

PANKAJ GHEMAWAT AND STEVEN A. ALTMAN DHL GLOBAL CONNECTEDNESS INDEX 2016

The State of Globalization in an Age of Ambiguity



Pankaj Ghemawat is Global Professor of Management and Strategy and Director of the Center for the Globalization of Education and Management at the New York University Stern School of Business, and the Anselmo Rubiralta Professor of **Global Strategy at IESE Business** School. He is also the author of the book "The Laws of Globalization and Business Applications" (Cambridge University Press, 2017) and several other awardwinning books and articles. In 2015, Thinkers50 ranked Prof. Ghemawat the 19th most influential living management thinker, and he was also listed among the greatest management thinkers of all time by "The Economist" in 2008.



Steven A. Altman

is Senior Research Scholar and **Executive Director of the Center** for the Globalization of Education and Management at the New York University Stern School of **Business. His research focuses on** globalization and its implications for business strategy and public policy. Prior to entering academia, Mr. Altman worked for more than ten years as a management consultant. Mr. Altman holds an MBA from the Harvard Business School, an MPA from Harvard's John F. Kennedy School of Government, and a B.S. in Economics from the Wharton School of Business at the University of Pennsylvania.

DHL GLOBAL CONNECTEDNESS INDEX 2016

The State of Globalization in an Age of Ambiguity

Pankaj Ghemawat and Steven A. Altman, NYU Stern School of Business and IESE Business School



Dear Reader,

We live in uncertain times. A sluggish global economy, geopolitical volatility, the migration crisis and acts of terror have raised serious concerns about the current state of world. It seems that in the absence of a compelling vision for the future of humanity, negative forces such as nationalism and protectionism have taken root. These worrisome trends suggest the world is in a downward spiral, and that countries and regions are drifting apart. A common perception is that the world has entered a phase of de-globalization. But does this perception match reality?

The DHL Global Connectedness Index (GCI) 2016 provides hard data about the current state of globalization. The 2016 report indicates that globalization is, in fact, not dead. Measured by flows of trade, capital, information and people, the world's overall level of global connectedness actually surpassed its 2007 pre-crisis peak during 2014. Although globalization is not advancing as rapidly as it was before the financial crisis, the GCI suggests it has not gone into reverse.

This is good news, because globalization has served as the world's engine of progress over the past half century. Life today is better for most people thanks to the depth and breadth of cross-border interactions. Whether measured by GDP, life expectancy, poverty levels or other significant metrics, global living standards have vastly improved. And the GCI confirms there is still enormous potential for increased connectedness between the world's nations and regions.

At Deutsche Post DHL Group, we observe another key trend: The digital revolution will drive even greater global connectedness. Let's take global e-commerce as an example. The global B2C cross-border e-commerce market is estimated to reach US\$ 1 trillion by 2020, with a compound annual growth rate of 27% over the next four years. More than 900 million people around the world will be international online shoppers by 2020, enjoying a greater variety of products and more convenient delivery options.

Our global team of 500,000 employees is proud of the role it plays in enabling e-commerce and global supply chain solutions. By connecting merchants and consumers across virtually all geographies, we improve lives. Globalization is simply part of the fabric of our organization, and we are passionate advocates for the progress it has achieved and for the potential it still holds.

I encourage you to consider the timely analysis provided in the 2016 edition of the DHL Global Connectedness Index, which includes exciting new insights on the globalization of cities. Perhaps you will even join me in my belief that despite the world's current challenges, there is a better tomorrow in store for future generations.

Yours sincerely,

Frank Appel CEO, Deutsche Post DHL Group



Dear Reader,

The months leading up to the publication of this report have seen a rise—perhaps to a level without recent precedent—in speculation and concern about the future of globalization. In an environment of heightened ambiguity in which different opinions abound, measures such as the DHL Global Connectedness Index supply even greater value to business and public policy decision makers. Because as the late Daniel Patrick Moynihan put it, everyone is entitled to their own opinions but not their own facts.

This year's edition of the DHL Global Connectedness Index has been completely refreshed to reflect changes in 12 types of cross-border trade, capital, information, and people flows—and stocks cumulated from past flows—through the end of 2015. The data captured here suggest that the world's overall level of globalization surpassed its pre-crisis peak during 2014 and did not—at least during 2015—go into reverse. This report documents and dissects levels of globalization, both at the global level and for 140 countries and territories that jointly account for 99% of the world's GDP and 95% of its population.

As a special feature, this report also introduces two new indexes measuring the globalization of cities: "Globalization Hotspots" and "Globalization Giants." These new indexes employ a methodology that parallels, wherever possible, the country-level DHL Global Connectedness Index. The Globalization Hotspots index, in particular, supplies a novel take on the phenomenon of global cities by measuring the intensity rather than the absolute size of cities' international flows.

The preparation of this report was a massive undertaking. At a personal level, I am particularly grateful to Steven A. Altman, my tireless partner in conducting this research and the co-author of this report. I would also like to express my deep appreciation to Phillip Bastian for the skill and care with which he helped compile the data and conduct the statistical analyses and to Erica Ng for excellent research assistance.

At an institutional level, I am very grateful to Deutsche Post DHL for supporting this project—with particular acknowledgment of the roles played by Jill Meiburg and Theresa Niklas in guiding the development of this year's report and by Dirk Hrdina in its graphic design—and to New York University's Stern School of Business and IESE Business School for supporting the broader research agenda behind this project. The complementarities across these efforts are reflected in my recent book, *The Laws of Globalization and Business Applications*, from Cambridge University Press, which summarizes basic regularities about the depth and breadth of globalization into two laws, the *law of semiglobalization* and the *law of distance*, that are discussed briefly in the conclusion of Chapter 1 of this report.

I hope you will agree that the report that has resulted is a timely, thorough, and thought-provoking analysis of the state of globalization.

Panhaj Ghenoma t

Pankaj Ghemawat NYU Stern/IESE



TEN KEY TAKE-AWAYS



The world's overall level of global connectedness finally surpassed its precrisis peak during 2014 and continued to increase, but more slowly, in 2015.

2

While international trade remained under pressure in 2015, increases were reported on the depth (intensity) of capital, people, and especially information flows.



Actual levels of global connectedness are still only a fraction of what people estimate them to be, suggesting an opportunity to correct misperceptions and apprehensions.



Distance still matters—even online. Most international flows take place within rather than between regions.



Europe remains the world's most globally connected region, with 8 of the 10 most connected countries—which reminds us what its disintegration might put at risk.





The Netherlands is the top-ranked country overall; Singapore tops the rankings in terms of depth and the United Kingdom in terms of breadth.



Emerging economies trade as intensively as advanced economies, but advanced economies are four to nine times as deeply integrated into international capital, information, and people flows.



Globalization and urbanization combine to prompt strong interest in global cities, but prior research on them is subject to numerous shortcomings.



Singapore tops both of our new city-level globalization indexes: Globalization Hotspots (cities with the most intense international flows) and Globalization Giants (cities with the largest absolute international flows).



Looking forward, the future of globalization is shrouded in an unusual amount of ambiguity, and depends critically on the choices of policymakers around the world.

CONTENTS



10

PART I

Preface Frank Appel	2
Preface Pankaj Ghemawat	3
Ten Key Take-aways	4
Executive Summary	8

Chapter 1: How Globalized Is the World? Chapter 1 measures the depth and breadth of globalization based on the most recent available data and tracks how global connectedness has evolved since 2005. It also highlights common misperceptions about levels of globalization and their harmful consequences for business and public policy. This chapter concludes with a look beyond recent changes to a set of "laws of globalization" that have held true throughout the period studied and are expected to remain true well into the future. Chapter 2: How Globalized Are Individual Countries and Regions?

Chapter 2 describes the results of the 2016 DHL Global Connectedness Index, including country rankings and discussion of interesting patterns. The countries whose connectedness increased or decreased the most over the past two years are highlighted, and countries' depth scores are compared with predicted scores based on their structural conditions such as sizes and levels of economic development. The results are also aggregated up to the regional level, and differences among regions are discussed.

Chapter 3: Global Cities: Hotspots and Giants Chapter 3 reviews the rising interest in global cities and identifies shortcomings of prior city-level measures of globalization, which motivate the introduction of two new citylevel globalization indexes: "Globalization Hotspots" and "Globalization Giants." The 2015 rankings on both indexes are presented and interesting patterns and implications are discussed. 28

48







Chapter 4: DHL Global Connectedness Index Methodology

Chapter 4 explains how the DHL Global Connectedness Index was constructed and what aspects of connectedness it covers. It also summarizes the rationales for key methodological decisions and highlights distinctive features of this index in comparison to other established globalization indexes.

Distinctive Features of the DHL Global Connectedness Index

68

80

PART II

Country Profiles Part II provides a set of country profiles that include detailed data on each country's connectedness pattern, track country-level connectedness trends, and display custom rooted maps based on countries' export patterns. Data on countries' structural and policy drivers of connectedness are also displayed at the bottom of each profile.

APPENDIX

Appendix A: Historical and Pillar Level Scores and Ranks Reference tables covering 2005–2015 scores and ranks and pillar level connectedness charts.

Appendix B: Data Sources, Regression Results, Region Classifications A complete list of data sources along with

selected regression results, technical notes, and a list of countries classified into regions. 84

229

240

EXECUTIVE SUMMARY

As this edition of the DHL Global Connectedness Index goes to press, the future of globalization and, more generally, the world economy is shrouded by an unusual amount of ambiguity. Perhaps the best image is that of the doldrums, defined in the Oxford English Dictionary as a region subject to "calms, sudden storms, and light unpredictable winds." The reasons range from shifting economic forecasts (e.g., the IMF's prediction in October 2016 that slower growth in advanced economies is likely to offset turnarounds in key emerging economies) to central bank stimuli that have pushed us into uncharted waters to recent and potential political shocks. Amidst these mixed signals, the only safe forecast is that the future depends critically on the decisions of policymakers around the world.

That said, unless Brexit brings on the collapse of the European Union (EU) or some of the most extreme rhetoric in the US presidential campaign becomes policy, future trends are unlikely to break entirely with the recent past. As a result, prognostications—which diverge widely in this age of ambiguity-still need to take on board the most complete and up-to-date view of how globalization has evolved, which is what this report aims to provide. It focuses on facts rather than forecasts, and tracks the evolution of trade, capital, information, and people flows from 2005 up to 2015 (or the most recent year available) across 140 countries that encompass 99% of the world's economic output and 95% of its population. It is based entirely on hard data because globalization's boosters and its detractors both tend to exaggerate the phenomenon itself.

The data covered in this report depict a world in which the flows that cross borders are much too large to ignore but still far smaller than many people think—and concentrated among countries that are geographically close or share other similarities with each other. In such a world, policymakers retain very substantial influence over whether globalization will advance or reverse. To illustrate the power of facts to influence policy, recall the salience of immigration to the Brexit debate. Surveys show that Britons think that there are more than twice as many immigrants as there really are—and simply telling them the actual share of immigrants in the UK population (13%) reduces the proportion who think there are too many immigrants by 40%!¹

The overall world level of global connectedness was hit hard by the 2008 global financial crisis and slow to recover, but the analysis covered in this report indicates that it finally surpassed its pre-crisis peak during 2014. The expansion of global connectedness, however, decelerated in 2015. Trade, in particular, was weak, and there was mounting evidence that protectionist policies were a contributing factor. Foreign direct investment flows posted a large expansion, but that turned out to be driven to an unusual extent by corporate inversions rather than real new investment. International information flows continue to represent a bright spot, but even they tend to be overhyped. And the growth of international people flows remains relatively modest due to visa and work permit restrictions. In sum, globalization is not advancing as rapidly as it was before 2007, but the available evidence does not indicate that it has gone back into reverse in recent years.

Disaggregating the global analysis to look at major world regions, Europe remains the world's most globally connected region, followed by North America and then East Asia & the Pacific. Europe's lead reflects both its structural characteristics (many wealthy countries in close proximity) as well as decades of policies aimed at promoting integration via the EU and its predecessors. More than 70% of the average European country's international trade, capital, information, and people flows take place within Europe itself—which highlights how much is at stake if Europe gives up on regional integration

Proceeding to country-level results, the ten most globally connected countries in 2015 were (in descending order): the Netherlands, Singapore, Ireland, Switzerland, Luxembourg, Belgium, Germany, the United Kingdom, Denmark, and the United Arab Emirates. On the depth dimension of the index, which compares countries' international flows to the sizes of their domestic economies, the most deeply connected economies were: Singapore, Hong Kong SAR (China), Luxembourg, Ireland, and Belgium. On the breadth dimension, which evaluates the extent to which countries' international flows are distributed globally or more narrowly focused, the leading countries were: the United Kingdom, the United States, the Netherlands, South Korea, and Japan.

Roughly 70% of the variation in countries' observed levels of global connectedness can be explained based on structural characteristics such as their sizes, levels of economic development, and geographic remoteness. The countries that most outperformed expectations on the depth dimension of global connectedness, in particular, were: Cambodia, Vietnam, Malaysia, Singapore, and Mozambique.

Comparing the global connectedness of advanced versus emerging economies reveals the former to be far more connected than the latter. On trade depth, advanced and emerging economies are roughly at parity, but advanced economies are about four times as deeply integrated into international capital flows, five times as much on people flows, and nine times with respect to information flows. The rising proportion of economic activity taking place in emerging economies continues to prompt international flows to stretch out over greater distances (and to become less regionalized), but this shift toward interactions over greater distances has decelerated since the crisis years.

This report also introduces two new city-level globalization indexes: "Globalization Hotspots" and "Globalization Giants." While these new indexes cover the same four pillars as the DHL Global Connectedness Index, different (and fewer) component measures are used due to more limited availability of city-level data.

The Hotspots index parallels the depth dimension of the country-level DHL Global Connectedness Index by com-

paring cities' international trade, capital, information, and people flows to their internal activity. It reveals which cities are most intensively international. The top Globalization Hotspots in 2015 were: Singapore, Manama, Hong Kong, Dubai, and Amsterdam. The Giants index looks beyond the cities themselves to assess their overall external projection by comparing directly the sizes of cities' international interactions. The leading Globalization Giants were: Singapore, Hong Kong, London, New York, and Paris.

To conclude, while we devote a great deal of attention in this report to capturing the latest changes in levels of globalization, it is also valuable to step back and consider what remains unchanged. The data underpinning the DHL Global Connectedness Index strongly support the case for two *laws of globalization* that can underpin business strategies and public policies over the mediumto-long run:²

- The law of semiglobalization: International interactions, while non-negligible, are significantly less intense than domestic interactions.
- The law of distance: International interactions are dampened by distance along cultural, administrative, and geographic dimensions and are often affected by economic distance as well.

The first law corresponds to the depth of globalization and the second law to its breadth. Taken together, they imply a complex world where the size and the distribution of international flows vary widely across locations and there is far more scope for countries and firms to create value across national borders than there would be in a flat world.

- 1 See the 2014 and 2015 editions of the Ipsos MORI "Perils of Perception" surveys and the 2013 and 2014 editions of the German Marshall Fund of the United States "Transatlantic Trends" surveys.
- 2 For a book-length treatment of this material, refer to Pankaj Ghemawat, *The Laws of Globalization and Business Applications*, Cambridge University Press, 2017.

CHAPTER 1 HOW GLOBALIZED IS THE WORLD?

Ambiguity about the future of globalization¹ has given way to anxiety since the publication of the last edition of this report—particularly in Western advanced economies. The financial crisis of 2008–09, during which trade and capital flows plummeted, provided a vivid reminder that economic integration is not inevitable and can suffer reversals. With that memory still fresh, many saw the UK's vote to exit the European Union as a final blow. The headline "Britain's Brexit just killed globalization as we know it" summed up the standard reaction.²

Shifting sentiment about globalization is also evident in business. In 2006, Sam Palmisano, then Chairman and CEO of IBM, published his manifesto on the Globally Integrated Enterprise in Foreign Affairs: "Simply put, the emerging globally integrated enterprise is a company that fashions its strategy, its management, and its operations in pursuit of a new goal: the integration of production and value delivery worldwide. State borders define less and less the boundaries of corporate thinking or practice."³ Ten years later, Jeff Immelt, Chairman and CEO of GE, declared—before the Brexit vote—that "The globalization I grew up with—based on trade and global integration—is changing...With globalization, it is time for a bold pivot...In the face of a protectionist global environment...We will localize...A localization strategy can't be shut down by protectionist politics."4

Amid this souring of sentiment, supporters of globalization have also begun to mount more vocal defenses and to call for reforming how international flows are managed rather than reducing them. In September 2016, the G20 Leaders declared their commitment to accelerating global growth by strengthening international trade and investment.⁵ In October 2016, the heads of the IMF, World Bank, and WTO published a joint editorial entitled, "How to Make Trade Work for Everyone."⁶ Some business leaders have also begun speaking out, albeit in more cautious terms. Microsoft CEO Satya Nadella, for example, has argued for US politicians to jointly support "globalization and addressing the inequities that do exist in our society."⁷

The hard data underlying the DHL Global Connectedness Index affirm that global flows have come under some pressure, but also provide a broader perspective. Overall, the index indicates that global connectedness surpassed its pre-crisis peak during 2014, and that there was a slowdown rather than a reversal in 2015. The index does not yet cover 2016, but narrower assessments of Brexit indicate that what matters more at the global level is not the UK's relationship with the EU itself but how the rest of the world reacts.⁸ So, the future of globalization remains uncertain and very much in the hands of policymakers around the world.

To provide a structured examination of global connectedness at the world level, this chapter begins with an overview of present levels of globalization—contrasted with perceived levels, followed by a summary of global trends since 2005. It then digs deeper into each of the four pillars of the index: trade, capital, information, and people. The chapter concludes with a look beyond recent changes to consider what remains unchanged: a pair of regularities that Pankaj Ghemawat has proposed as two *laws of globalization*.

Global Connectedness in 2015: A Reality Check

In prior editions of this report, we have highlighted discrepancies between popular perceptions of levels of globalization and the actual data, attaching the term "globaloney" to the tendency of people to believe the world is more globalized than it really is.⁹ New evidence reveals that this phenomenon is even more widespread than previously known and can cause real damage in both business and public policy.

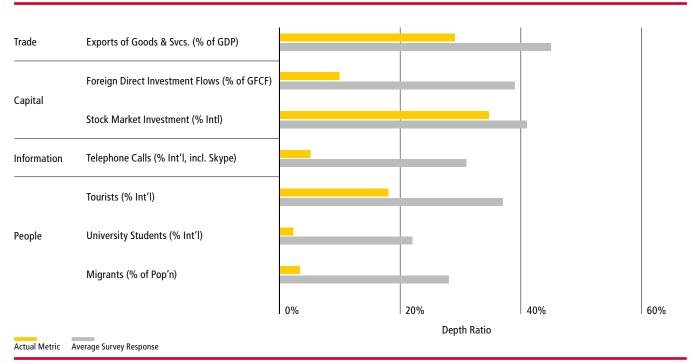


FIGURE 1.1 // GLOBAL DEPTH MEASURES VERSUS US SURVEY ESTIMATES

Members of the general public, on average, guess that the world is five times more deeply globalized than it really is. This phenomenon of overestimating levels of globalization, "globaloney," holds across age groups, education levels, and genders.

Global Connectedness is measured in this report based on the *depth* and *breadth* of countries' integration with the rest of the world as manifested by their participation in international flows of products and services (trade), capital, information, and people (the four pillars of the DHL Global Connectedness Index).¹⁰ Consider first how the depth of global connectedness compares to estimates obtained via surveys.

Depth measures how much of a given type of activity that could take place either within or across national borders is international rather than domestic. **Figure 1.1** reports global depth metrics drawn from across the four pillars of the index. We will discuss levels and trends on each of these metrics (and others) one by one later in this chapter, but for now we simply observe at a summary level that four of the seven metrics fall below 10% and none of them exceed 35%. They exemplify the general pattern that domestic activity tends to greatly exceed international activity.

Figure 1.1 also reports the results of a survey in which a sample of 1720 adults from across the United States were asked to estimate the same depth ratios.¹¹ On average, the respondents guessed levels about 5 times as high as the correct ones. Additionally, the structure of this sample enables us to compare the prevalence of globaloney across segments

of the US population. The broad conclusion was that roughly similar levels of overestimation persist across age groups, levels of education, and genders; although older and more educated people did have somewhat more accurate views.

Lest readers suspect that globaloney afflicts only Americans, on another survey of more than 3,000 students from 138 countries, respondents from every country for which a meaningful average could be calculated also overestimated levels of globalization—on average, again, by about 5 times.¹² While globalization is far less advanced than is commonly perceived, globaloney does seem to be a global phenomenon.

What about the consequences of globaloney? The surveys cited above permit us to relate respondents' perceptions of globalization to their beliefs about international business strategy and public policy. Starting with business, respondents were presented with the following six statements about international business—all of them generally viewed by scholars to be erroneous because they fail to account for the effects of borders and distances/differences on business activity:

 Uniformity: Competing the same way everywhere is the highest form of global strategy



- Ubiquity: The truly global company should compete in all major markets
- Statelessness: The truly global company has no home base
- Concentration: Globalization tends to make industries become more concentrated
- Limitless Growth: Globalization offers virtually limitless growth opportunities
- Act of Faith: Global expansion is an imperative rather than an option to be evaluated

Respondents with more exaggerated perceptions of globalization were more likely to agree with these international strategy myths—to a statistically significant extent—even after controlling for variation in age, gender, and level of education. It makes intuitive sense that when people who think the world is more globalized than it really is try to do business abroad, they tend to underestimate the need to understand and respond to differences across countries.

And as far as public policy is concerned, survey participants with more exaggerated perceptions of globalization also tend to worry more about it leading to harmful consequences. To cite some specific examples, people who overestimate levels of globalization to a greater extent are more likely to believe that globalization generally increases the risks faced by countries, companies, and individuals and is a major contributor to global warming.¹³ This kind of globaloney-induced fear can erode support for public policies intended to capture the potential benefits of stronger international ties.

An even more concrete example is provided by research the German Marshall Fund of the US has conducted about immigration. In their surveys, they asked respondents if they felt there were "too many" immigrants in their countries—both with and without telling the respondents how many immigrants actually live there. Simply telling people the actual levels of immigration into their countries cut the proportion feeling there are too many immigrants by roughly one-third in Europe and one-half in the US!¹⁴

Turning to the *breadth* dimension of global connectedness, at the global level, it is convenient to analyze breadth using simple metrics such as the average distance traversed by international flows. In the country-level analysis that follows in Chapter 2, we turn to a more sophisticated type of breadth measure to avoid biasing the results due to countries' geographic locations: We compare the distribution of a country's international flows with the global distribution of the same flow in the opposite direction.¹⁵



Survey data suggest that the phenomenon of globaloney extends to breadth—in this context via people underestimating the extent to which distances and differences between countries constrain international flows. In a survey of *Harvard Business Review* readers, 68% of respondents agreed with the quote from Thomas Friedman's bestselling book *The World is Flat* that we have witnessed the creation of "a global, Web-enabled playing field that allows for... collaboration on research and work in real time, without regard to geography, distance, or in the near future, even language."¹⁶

Actual international activity, however, still turns out to be strongly dampened by distance. The average distance between two countries around the globe is roughly 8,500 km, but the flows covered on the breadth dimension of the DHL Global Connectedness Index average a distance of only 4,963 km. **Figure 1.2** provides a somewhat more sophisticated take on the same pattern by comparing the distance traversed by specific types of flows to how far those flows would be expected to travel if distance and crosscountry differences had ceased to matter.¹⁷ On average, this sample of flows went only 58% as far as they would in a "flat" world.

Furthermore, the myth that distance has ceased to matter extends beyond geography to apply also to cultural, administrative/political, and economic differences between countries. Contrary to Friedman's prediction, the presence or absence of a common language still has a very large effect on international flows: 22% of trade and 34% of migration, for example, take place between countries that share a common language, as compared to estimates of 11% and 13%, respectively, if international flows were not dampened by cross-country distances and differences. To cite a concrete example, more than 10 years after the offshoring of IT Services to India inspired Friedman to declare the world "flat," the overwhelming majority of India's IT Services exports are still to English-speaking countries.

Considering both depth and breadth, the stock market response to the Brexit vote seems also to have been affected by globaloney. By the Monday after the vote, global stock markets had shed \$3.6 trillion in value, a number comparable to Britain's entire GDP.¹⁸ Although the markets did make up those losses in the week that followed, that drop provided a reminder—as if we needed one after the global financial crisis—that fear flies across borders faster than fundamentals. Looking forward, the limited depth of the UK's international flows (as well as the fact that the UK accounts for only 4% of world GDP—and closer to 2% at purchasing power parity) implies that any significant impact of Brexit on aggregate levels of global connectedness could only come via contagion to other countries.

To summarize, the depth and breadth of trade, capital, information, and people flows all fall far short of levels that are commonly presumed. National borders and the distances and differences between countries still have large dampening effects on international activity. We return to these points in the conclusion of this chapter, as they underpin the two proposed *laws of globalization* that will be discussed there. But first, we turn to the burning question of whether globalization is advancing or declining.

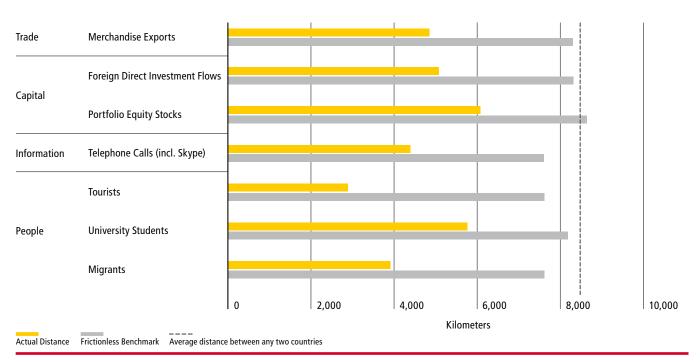


FIGURE 1.2 // GLOBAL AVERAGE DISTANCE VERSUS BENCHMARKS WITHOUT DISTANCE EFFECTS

International flows—even "weightless" flows such as portfolio equity investment and phone calls—diminish with geographic distance as well as other cross-country differences. On average, the flows covered on the breadth dimension of the DHL Global Connectedness Index traverse 4,963 km, about half as far as would be expected in a world where distance had ceased to matter.

Global Connectedness Trends: 2005-2015

Moving from the most recent snapshot of global connectedness to analysis over time, ambiguity and anxiety about the future of globalization prompt a need for better tracking of how globalization is evolving. With this in mind, we introduce several enhancements to how we analyze global trends in levels of connectedness. In prior editions of this report, we placed a premium on using the same methods at the world and the country levels. But given recent developments (post-crisis ambiguity, Brexit, etc.), we now place primary emphasis in this chapter on providing the clearest and timeliest depiction of changes in the trajectory of globalization, even if that requires adjustments to our countrylevel methodology. Specifically, we have implemented the following adjustments to how we compute global trends:

 We now measure global trends in terms of percent changes in levels of global connectedness relative to a 2005 baseline. With this adjustment, the magnitudes of the changes are more convenient to interpret, but they are no longer directly comparable to the values in the country-level trend charts reported in Part II (which reflect the percentile-based normalization described in Chapter 4).¹⁹

- We do not smooth capital flows over 3 years in the calculation of global trends. While such smoothing is retained in the country-level analysis to avoid excessive swings in the rankings due to volatile country-level capital flows, it is removed here to increase the responsiveness of the global trend analysis to year-to-year changes.
- In cases where our preferred depth metrics can be estimated at the global level but are not available for a large enough number of countries to use in country level analysis, we use our preferred metrics at the global level. Specifically, we estimate the international proportion of total telephone call minutes (including Skype) instead of using international telephone call minutes per capita, as we do at the country level. Furthermore, we estimate the international proportion of total internet traffic instead of relying on international internet bandwidth per internet user.²⁰

On this basis, the world's overall level of global connectedness—taking into account the depth and breadth of trade, capital, information, and people flows—surpassed its 2007 (pre-crisis) peak during 2014, as shown in **Figure 1.3**. The DHL Global Connectedness Index indicates that the world was 8% more connected in 2015 than in 2005, although

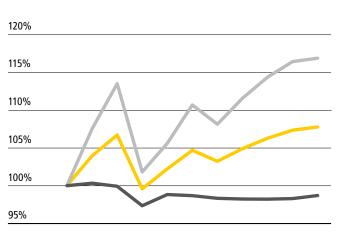


FIGURE 1.3 // GLOBAL CONNECTEDNESS, DEPTH, AND BREADTH, 2005–2015

2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

Overall Connectedness Depth Breadth

The world's overall level of global connectedness surpassed its precrisis peak during 2014. In 2015, its post-crisis expansion slowed but the available evidence does not indicate another reversal during the period analyzed.

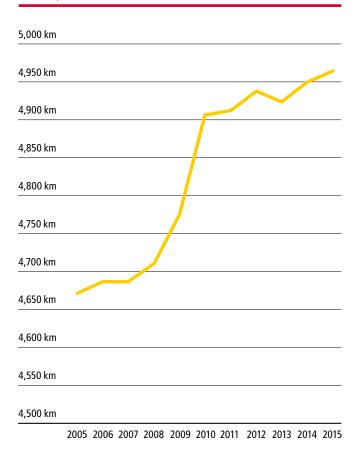
qualifications about the individual component metrics described later in this chapter—as well as the data limitations covered in Chapter 4—suggest thinking more in terms of a small increase than a more specific value. Globalization is not advancing as rapidly as it was before 2007, but the available evidence does not indicate that another reversal took place over the period analyzed.

Figure 1.3 also shows that the post-crisis recovery in overall global connectedness has been driven primarily by the depth dimension of the index, the dimension that fell the most during the crisis period. However, the data for 2015 indicate that growth on the depth dimension decelerated, but that this slowdown was offset in part by an uptick on breadth. That said, these 2015 results must still be treated as preliminary since data gaps in the most recent year are more common than in earlier years (see Chapter 4).²¹ If this apparent trend persists, it should prompt some concern because our prior research suggests that deeper global connectedness can accelerate economic growth, whereas there is no parallel general prescription that higher breadth is better than lower for all countries (this must be analyzed on a country-by-country basis).²²

In 2015, at the overall level, the depth dimension of the index was 17% higher than in 2005, well above its previous peak of 14% in 2007 (although, again, there is some fuzziness around these specific values for reasons discussed later

FIGURE 1.4 // AVERAGE DISTANCE

TRAVERSED BY FLOWS COVERED ON THE BREADTH DIMENSION OF THE DHL GLOBAL CONNECTEDNESS INDEX, 2005–2015



There was a sharp increase in the average distance traversed by the international flows covered on the index between 2008 and 2010. Since that period, further increases have been modest.

in this chapter). While the vast majority of flows that could take place either within or across borders are still domestic, as emphasized in the previous section, the international share has risen over the period analyzed. Breadth has generally been less volatile than depth. While flow volumes can expand or contract sharply due to macroeconomic or other shifts, the patterns of which countries connect particularly intensively with each other tend to change more slowly. Such connections are shaped by cultural affinities, political agreements, infrastructural links, and so on, that tend to persist across macroeconomic cycles. The breadth dimension of the index ended 2015 1% below its 2005 level, up from a maximum shortfall of 3% below this baseline in 2008.²³

Additional perspective on breadth trends is provided by **Figure 1.4**, which tracks the average distance traversed by the flows covered on the breadth dimension of the index. It shows that a general trend of international flows taking

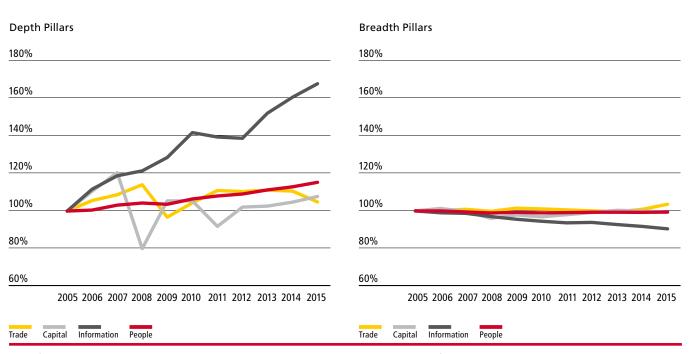


FIGURE 1.5 // PILLAR LEVEL GLOBAL CONNECTEDNESS TRENDS, 2005–2015

The information pillar has been the largest contributor to increases on the depth dimension of global connectedness since 2013, but those gains were offset in large part in 2015 by a sharp drop on the trade pillar. Year-to-year changes on the breadth dimension tend to be smaller. An uptick on trade pillar breadth in 2015 offset the continuation of a declining trend on information pillar breadth.

place across greater distances continues. This "stretching" took place at a relatively brisk pace between 2008 and 2010 (from 4,685 to 4,905 km), as emerging economies (which tend to interact over greater distances) boosted their shares of global flows and crisis-hit advanced economies sought to tap into growth farther away from home. Since 2010, further expansion of the average distance traversed has been modest (up to 4,963 km).

At the pillar level, as shown in **Figure 1.5**, the aspect of global connectedness with the strongest growth over the period studied has been information pillar depth. Depth on the people pillar also exhibits a more modest rising trend. And while it is especially volatile, capital pillar depth has also been increasing since 2012. Trade pillar depth, on the other hand, has been declining since 2012 and that decline accelerated in 2015. In contrast, trade pillar breadth has been rising since 2014, powering the first notable increase in overall breadth since 2009.

Pillar-level analysis also helps paint a picture of the differences in connectedness levels between advanced and emerging economies. **Figure 1.6** tracks ratios of advanced over emerging economies' connectedness scores. Ratios (above one) on these charts quantify how much more connected advanced economies are than emerging economies. On trade depth, advanced and emerging economies are roughly at parity, but advanced economies are about four times as deeply integrated into international capital flows, five times as much on people flows, and nine times with respect to information flows. On breadth, the differences are smaller, but again emerging economies are closest to parity with respect to trade. They lag progressively farther behind on information, people, and capital breadth.

If emerging economies become more similar to advanced economies in terms of their connectedness levels, this would provide a powerful boost to overall global connectedness. However, the trends depicted on Figure 1.6 do not provide strong evidence for such a pattern of convergence, and if emerging economies continue to grow faster than advanced economies—and continue to lag behind on global connectedness—then their growth might prompt a decline in the overall world level of connectedness.

The next four sections of this chapter provide a more detailed examination of levels of connectedness within each of the pillars, including discussion of recent developments and future prospects. They focus on depth rather than breadth because depth is the more volatile dimension of the index as well as the dimension that has a clearer positive relationship with economic growth.

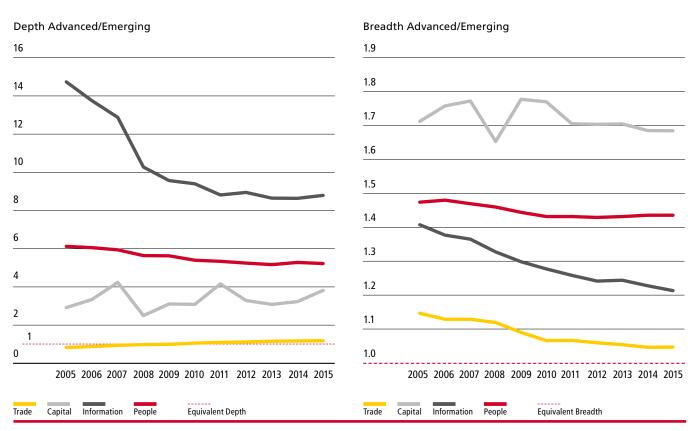


FIGURE 1.6 // PILLAR LEVEL TRENDS, ADVANCED VS. EMERGING ECONOMIES, 2005–2015

Advanced and emerging economies are roughly at parity in terms of their integration into international trade flows, but emerging economies lag behind on both depth and breadth across all of the other pillars of the index.

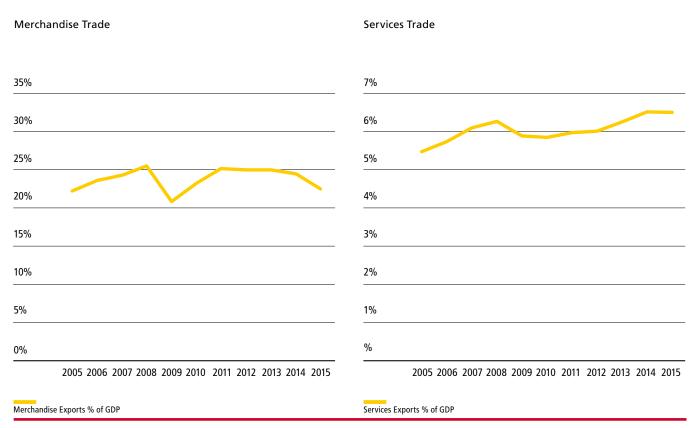
The Trade Pillar

Trade in goods is the most tangible marker of economic globalization, and its recent weakness underpins much of the present pessimism about the future. Merchandise trade in US dollar terms fell 13% between 2014 and 2015, prompting the sharp decline in trade depth highlighted in the previous section. Merchandise exports as a percent of world GDP fell from 24.4% to 22.5% over the same period, as shown in Figure 1.7. Trade growth, however, does look better in volume rather than value terms (with the discrepancy between the two reflecting exchange rate shifts and commodity prices). Merchandise trade volume rose a modest 2.7% in 2015, roughly in line with global output.²⁴ However, that remains a far cry from the years when trade was regularly expanding at twice the pace of world GDP growth (roughly from 1990 to 2007). Regardless of the measurement approach employed, we remain in a weak environment for merchandise trade.

Looking ahead, near-term forecasts do not call yet for a return to robust growth. In September 2016, the WTO slashed its 2016 projection for trade growth (in volume terms) from 2.8% to 1.7%, which would be the slowest expansion since the financial crisis. For 2017, the WTO forecasts growth of between 1.8% and 3.1%—the first time the organization provided a range rather than a specific forecast, another indicator of the unusually ambiguous environment.²⁵ Such uncertainty has also fed demand for more timely data, motivating the WTO to introduce a new "World Trade Outlook Indicator," calculated based on several drivers of trade growth.

Weak trade growth has also prompted speculation about whether the world has reached or even passed "peak trade," i.e. the possibility that trade growth is under pressure due to structural rather than cyclical factors. We have pointed to one of the structural drivers of slowing trade growth in previous editions of this report: China's rebalancing away from an export-intensive growth model to one that relies more heavily on domestic demand. China's merchandise exports depth (as a percentage of its GDP) has fallen from a peak of 35% in 2006 to only 21% in 2015. As the world's largest goods exporter (with about 14% of world exports), China by itself does impact global exports depth. And China's impact is further amplified by supply chain effects. The share of imported content in China's exports has fallen

FIGURE 1.7 // TRADE PILLAR DEPTH RATIOS, 2005–2015



The intensity of merchandise trade flows (in value terms, relative to world GDP) has been on a declining trend since 2012, and fell sharply in 2015. The growth of services trade intensity also stalled in 2015.

from as high as 60% in the mid-1990s to about one-third.²⁶ Shortening of supply chains elsewhere may also contribute, although the evidence on this point is mixed. Rather than shortening, more supply chains may instead shift from China to other low cost countries.²⁷

Another structural shift that depresses trade intensity when measured as a percentage of GDP is the rising proportion of services in world output. The service sector has grown from 58% of world GDP in 1995 to 69% in 2014.²⁸ Indeed, merchandise trade intensity does look modestly better when assessed based on output in goods-producing sectors only. While such an adjustment does not erase the present declining trend, it does draw attention to the stronger results on the services component of the trade pillar. Services trade intensity, which is a fraction of merchandise trade intensity, has risen every year since 2010, although that growth also appears to have stalled in 2015.

In the view of WTO Director-General Roberto Azevêdo, cyclical rather than structural factors explain enough of the slowdown to point to brighter prospects over the medium term. As Azevêdo commented in June 2016, "as much as the 'new normal' is not 'normal', actually the 'old normal' was not 'normal' either." He expects merchandise trade growth relative to GDP to recover "to a midpoint between today's doldrums and the rapid expansion of the pre-crisis years."²⁹

Such measured optimism about future trade growth depends, of course, on at least a moderately supportive policy environment. However, recent evidence points to rising protectionism. Global Trade Alert reported 50% more discriminatory trade policy measures in 2015 than 2014, implying a greater turn to protectionism in 2015 than at the height of the crisis in 2009.³⁰ The WTO found a surge of trade-restrictive measures implemented by G20 members between October 2015 and May 2016, as well.³¹ Global Trade Alert also reports sector-level evidence that protectionist policies have contributed to the trade slowdown.

In the context of such uncertainty about future trade growth, it is useful to reflect briefly on how much trade has already grown and how much headroom remains available. Taking into account both goods and services, the ratio of exports to GDP soared from roughly 10% in the 1960s to 32% in 2008 before slipping back down to 29% in 2015. Theoretical benchmarking, however, points to a great deal of room for additional growth. One benchmark model, in fact, suggests that the maximum theoretical value for exports as a percentage of GDP rose from 77% in 1960 to 92% in 2011 (due to the rise of emerging economies and the erection of new borders, e.g. with the breakup of the former Soviet Union).³²

It is also important to recognize that even 29% depth for total exports in 2015 overstates the proportion of output that is traded across borders because the same content can cross borders more than once in multi-country supply chains. In 2010, an estimated 28% of the value of gross exports of goods and services was foreign value added (value from a country other than where the exports were registered). This implies that exports really account for closer to 20% of global value added rather than nearly 30%.³³ Adjusting for multi-country supply chain effects also brings into clearer focus the deeper trade in goods as compared to services. Exports account for about 40% of value added in goods-producing sectors (agriculture and industry) but only 15% in the service sector.³⁴

Furthermore, examination of trade trends at the industry level illustrates the importance of informing strategy and policy via more tailored analyses. It would be a mistake to assume based on weak overall trade expansion that export growth opportunities are limited for all companies. Crude oil, in fact, alone accounted for 20% of the drop in trade value from 2014 to 2015, and all mineral fuel commodities combined to account for close to 40%. In contrast, trade in art and aircraft, to cite just two categories, grew strongly over the same period.

The Capital Pillar

The most dramatic development on the capital pillar in 2015 was a spike in the depth of FDI flows, reversing a declining trend on this metric since 2011 (see Figure 1.8). By 2014, world FDI inflows had shrunk to only 6.7% of gross fixed capital formation (implying that more than 93% of fixed investment around the world occurred within rather than across national borders).³⁵ In 2015, FDI inflows rebounded to 9.9% of gross fixed capital formation, slightly higher than in 2010, although still far short of an apparent all-time peak of 17% in 2000.

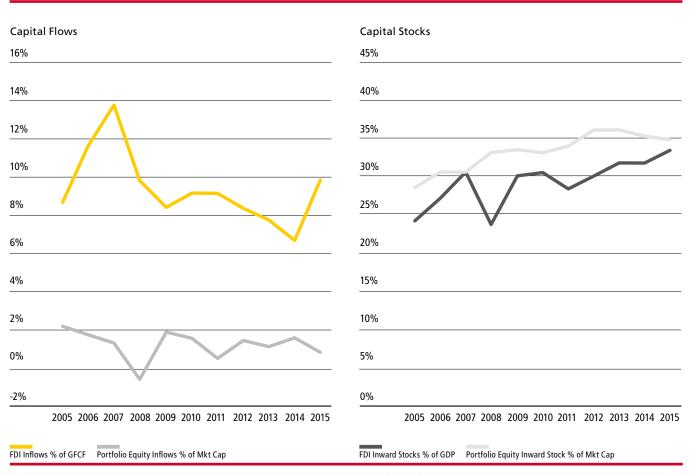
While a rebound of FDI flows should normally be a positive development given the benefits associated with FDI (technology transfer, lower volatility than other types of international capital flows, and so on), the 2015 data are less positive than they may first appear. The United Nations Conference on Trade and Development (UNC-TAD) reported that "FDI recovery was strong in 2015, but lacked productive impact."³⁶ The reason for this downbeat assessment is that more than half of the 2015 expansion of FDI flows came from what UNCTAD termed "corporate reconfigurations," including corporate inversions in which companies (mainly from the US) entered into M&A transactions with foreign firms to relocate their domiciles to countries with lower corporate tax rates. Stripping out corporate reconfigurations cuts the 2015 global FDI inflows depth ratio to only 8.2%.³⁷

While China has been a key player in influencing global merchandise trade growth in recent years, the United States had an even larger impact on FDI flows in 2015. The growth of US FDI inflows alone made up 57% of the world total, and 97% of FDI into the US in 2015 involved acquisitions of US firms.³⁸ The prominence of tax inversions among those deals (motivated by the US's 35% corporate tax rate, the highest among advanced economies) prompted a vigorous response by the US Treasury Department. These regulatory changes led directly to the cancellation of the largest such deal ever announced, a \$160 billion merger between Pfizer (of the US) and Allergan (domiciled in Ireland) in April 2016.

Looking forward, UNCTAD projects that FDI flows will decline 10 – 15% in 2016 before starting to grow again in 2017. These projections reflect both macroeconomic forecasts as well as the new US regulations curbing corporate inversions. In this context, it is encouraging that—in contrast to the pattern of rising trade protectionism discussed in the previous section—there is a trend toward greater investment policy liberalization. Among the changes in national investment policies tracked by UNCTAD in 2015, 85% eased restrictions or promoted foreign investment; only 15% added new restrictions. The proportion of regulatory changes favoring FDI has been on an upward trend since 2010.

Turning to the other capital pillar depth metrics, the sharp rebound in FDI flows was accompanied by an uptick on the depth of FDI stocks. FDI stocks grew to a record 34% of world GDP. Meanwhile the portfolio equity depth metrics covering both flows and stocks turned in modest declines over the past year. Portfolio equity flows depth has fluctuated within a narrow range since 2011, and portfolio equity stocks closed out 2015 at 35% of stock market capitalization.³⁹

FIGURE 1.8 // CAPITAL PILLAR DEPTH RATIOS



The most dramatic development on the capital pillar was a spike in the intensity of FDI inflows in 2015. However, closer examination reveals that this expansion was driven in large part by corporate reconfigurations rather than real growth in international activity.

The Information Pillar

International information flows have expanded swiftly since 2005, powered by a tenfold increase in the amount of international internet bandwidth available per internet user. Domestic connectivity, however, has also multiplied over the same period, prompting us to focus our analysis of data flows over the internet on rough estimates of the proportion of internet traffic that crosses national borders rather than the international bandwidth per capita metric we use in our country level analysis.⁴⁰ As shown in **Figure 1.9**, we estimate that the proportion of internet traffic crossing national borders has risen from roughly 11% to 22% since 2005.⁴¹

Even though a rising proportion of internet traffic appears to be crossing national borders, the internet is still used primarily for domestic communications. This pattern also holds for several more specific types of online activity. An estimated 15% of e-commerce was international in 2014.⁴² Newly published research on Facebook reports 14% of friendships on the social network crossing national borders⁴³, somewhat lower than the 16% reported in a widelycited earlier study. ⁴⁴ Twitter *is* somewhat more international than Facebook, with an estimated 25% of Twitter users located in different countries from the people they follow, although this is still only a fraction of the level one would expect if borders did not matter at all.⁴⁵

The internet has also powered a significant increase in the depth of international telephone calls. Since 2012, the absolute growth of Skype-to-Skype calls over the internet has outstripped the growth of international calls via traditional telephone networks (fixed and mobile).⁴⁶ The international proportion of all telephone call minutes can only be estimated approximately due to limited reporting of countries' domestic telephone traffic.⁴⁷ However, the available data point to an increase from about 3% to 5% in the international proportion of telephone call minutes (including Skype) between 2005 and 2014.

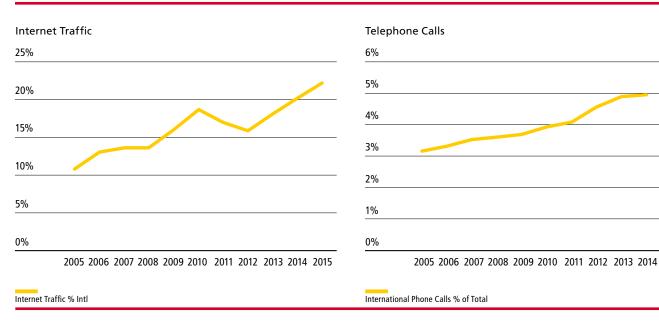
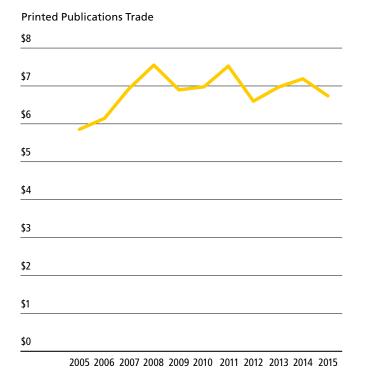


FIGURE 1.9 // INFORMATION PILLAR DEPTH RATIOS



Printed Publications Exports per Capita

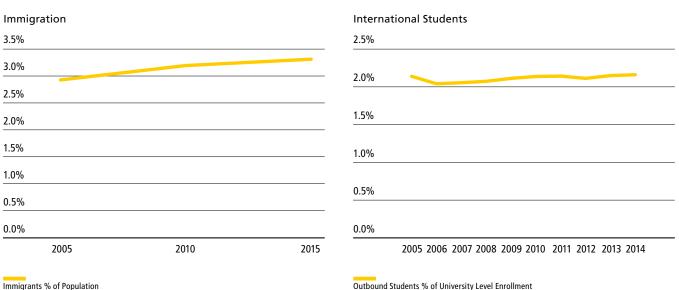
The intensity of international internet traffic and telephone calls have both roughly doubled since 2005. Their expansion was powered by a tenfold increase in international internet bandwidth per internet user over the same period, with the majority of the growth in international telephone call minutes coming from calls placed over the internet. To put these figures in perspective, while the international proportion of phone call minutes has nearly doubled since 2005, direct contact between individuals around the world remains very limited. In 2014, the average person spent only 110 minutes (less than 2 hours) talking to people in other countries (up from 43 minutes in 2005), versus roughly 35 hours spent on domestic calls. Limited depth is also evident on the final component of the information pillar, trade in printed publications.⁴⁸ There was only \$6.74 (USD) of such material exported per person in 2015, and there is no discernible rising (or falling) trend on this metric.

The People Pillar

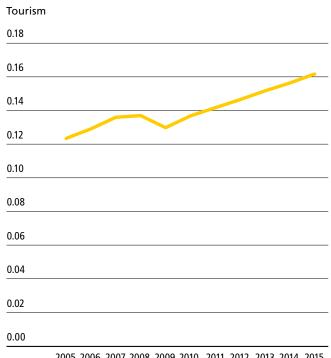
Migration is presently a hot-button political issue in many countries, and a desire to control immigration from within the EU was one of the top reasons UK voters cited for supporting Brexit. On a global basis, migration is on a rising trend, but a very modest one. Since migration is a long-term people flow, we measure it based on the number of people living abroad rather than how many people move in a given year. The proportion of people living outside of the countries where they were born has risen from 2.9% in 2005 to 3.3% in 2015 (see **Figure 1.10**). Both of those values, however, still round to 3% - the same level that global migration depth has approximated for more than a century!⁴⁹

For a medium-term perspective on people movements, we measure the number of university students enrolled in degree programs outside their home countries as a proportion of total university-level enrollment. This metric has also been rising, but off of a very low base. The share of

FIGURE 1.10 // **PEOPLE PILLAR DEPTH RATIOS**



Immigrants % of Population



2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

International Tourist Arrivals Per Capita

International tourism is on a strong rising trend, but increases in the depth of migration and international education are more limited, reflecting the greater constraints that visa and work permit regulations impose on medium-to-long term people flows.

tertiary students enrolled abroad grew from an estimated 2.1% in 2005 to 2.2% in 2014.50 Given some imprecision in the underlying data, the best overall conclusion to draw is that roughly 2% of tertiary students are enrolled abroad and the depth of international education appears to be on a very modest increasing trend.

Tourism represents a short-term people flow (typically days or weeks rather than years) and is therefore measured based on the number of international tourist arrivals during a given year (excluding "excursionists" who do not stay overnight). Roughly 17%-19% of all tourist arrivals in 2015 were international.⁵¹ However, available data are not sufficient to construct a time series based on this metric. We do so, therefore, using international tourist arrivals per capita as an alternative indicator.

Measured on a per capita basis, international tourist arrivals have grown significantly over the period studied: from 0.12 international trips per person in 2005 to 0.16 in 2015. These data imply that the average person around the world now travels outside his or her home country once every six years. And this metric is expected to continue rising, as international tourist arrivals are projected to outpace population growth. International tourist arrivals grew 4.6% in 2015, and the United Nations World Tourism Organization (UNWTO) forecasts 3.5%-4.5% growth in 2016 and 3% annualized growth through 2030. As a reference point, the world's population is projected to grow about 1% per year between 2015 and 2030.

1. HOW GLOBALIZED IS THE WORLD? – CONCLUSION TWO LAWS GOVERNING GLOBALIZATION

The majority of this chapter focused on tracking recent changes in levels of globalization. However, it is also useful to step back from these trends to consider what remains unchanged. In an environment of varying and often contradictory perceptions and predictions about globalization, a stable frame of reference is essential. As Amazon.com Chairman and CEO Jeff Bezos put it, "It helps to base your strategy on things that won't change. When I'm talking with people outside the company, there's a question that comes up very commonly: 'What's going to change in the next five to ten years?' But I very rarely get asked 'What's not going to change in the next five to ten years?' At Amazon we're always trying to figure that out, because you can really spin up flywheels around those things."⁵²

In this spirit, Pankaj Ghemawat has recently proposed two *laws of globalization* that summarize a broad array of observed regularities:⁵³

- The law of semiglobalization: International interactions, while non-negligible, are significantly less intense than domestic interactions.
- The law of distance: International interactions are dampened by distance along cultural, administrative, and geographic dimensions and are often affected by economic distance as well.

The *law of semiglobalization* pertains to the depth of globalization and the *law of distance* to its breadth. These laws are intended to have the status of scientific laws in the sense of describing important regularities (as distinct from scientific theories that posit a mechanism or explanation of observed phenomena).⁵⁴

The UK's vote to exit the EU provides a timely illustration of the power of these laws and their persistence over time.⁵⁵ Starting with the *law of semiglobalization*,

flows across the UK's borders (especially people flows but also trade and capital flows) were large enough to provoke a backlash, yet they still fall far short of what one would expect if borders (in this case, even just intra-EU borders) had ceased to matter. Thus, the UK's (gross) exports account for less than one-third of its GDP, about the same as the world as a whole and far below a zero-border effect benchmark of 96% (100% minus the UK's share of world GDP). Even under the worstcase scenarios of how Brexit will play out, it is extremely unlikely that the UK's international flows would shrink so much as to become irrelevant to it.

Turning to the *law of distance*, the UK's international ties are disproportionately centered on Europe. In 2015, 45% of the UK's exports went to the EU and it drew slightly over one-half its imports from there. Adding in Switzerland brings the Continental share of the UK's merchandise exports to over one-half as well, versus 15% for the US and 6% for China. Given physical proximity, the EU is likely to continue to be the UK's largest export-import partner by far, unless the terms of separation are very acrimonious (like India-Pakistan, to invoke a rather different example of Brexit). And it is not that the UK is particularly narrow in terms of its international engagement: rather, the reverse. On the 2016 DHL Global Connectedness Index, the UK ranks first out of 140 countries in terms of the breadth of its international interactions. Furthermore, the UK's ties to countries beyond the EU—the US is its largest destination country for exports-illustrate the nongeographic dimensions of the law of distance.

Where did the *laws of globalization* come from? They were informed by the same hard data as the DHL Global Connectedness Index, and they also have roots in wellestablished research on geography. They represent generalizations—within the international domain⁵⁶—of



the two laws of geography proposed decades ago by Waldo Tobler:

- The phenomenon external to [a geographic] area of interest affects what goes on in the inside.⁵⁷
- Everything is related to everything else, but near things are more related than distant things.⁵⁸

The *law of semiglobalization* adds an upper bound to Tobler's lower bound on outside influences. In addition to positing that international influences are nonnegligible, it makes the point that national borders still matter a great deal. And the *law of distance* generalizes Tobler's focus on geographic distance to also encompass measures of cultural, administrative/political, and (with some qualifications) economic distance.

The *laws of globalization* provide a stable frame of reference in an ambiguous environment. They are grounded in the view that we are very far away from either complete globalization or localization, and hence very unlikely to reach either endpoint in the foreseeable future. Looking forward, levels of global connectedness may increase, stagnate or even suffer a sharp reversal, but given the parameters of the current situation, it is unlikely that increases will any time soon yield a state in which the differences or barriers between countries can be ignored. Nor is it probable that decreases could lead to a state in which the similarities or bridges that unite countries could be disregarded.

1. HOW GLOBALIZED IS THE WORLD? **NOTES**

- 1 Within a span of just three weeks in 2015, the *Washington Post* treated its readers to the full spectrum of possibilities with headlines ranging from "Globalization at Warp Speed" to "The End of Globalization?"
- 2 Jim Tankersley, "Britain's Brexit just killed globalization as we know it," The Sydney Morning Herald, June 26, 2016.
- 3 Samuel J. Palmisano, "The Globally Integrated Enterprise," Foreign Affairs, May/June, 2006. In 2016, Palmisano reflected on developments since the publication of his original article and argued that "The future global enterprise will be found at the intersection of this tension between local vs. global, which in today's reality is increasingly revealed by the constraints of the physical world as companies pursue digitalization's technological benefits." (Quoted from Samuel J. Palmisano, "The Global Enterprise: Where to Now?" Foreign Affairs, October 14, 2016.)
- 4 Jeffrey R. Immelt, "The World I See," MBA Commencement Address at NYU Stern School of Business, May 20, 2016. http://www.gereports.com/ the-world-i-see-immelts-advice-to-win-in-the-time-of-globalization/
- 5 The G20 Leaders' Hangzhou Summit Communique is available at http:// www.g20.org/English/Dynamic/201609/t20160906_3396.html
- 6 Christine Lagarde, Jim Yong Kim, and Roberto Azevêdo "How to Make Trade Work for Everyone," *The Wall Street Journal*, October 4, 2016.
- 7 Anita Balakrishnan, "America needs to be a 'beacon of progress' for globalization: Microsoft CEO," CNBC, July 11, 2016.
- 8 For a more detailed analysis, refer to Pankaj Ghemawat, "Beyond Brexit: An Initial Analysis and Questions for the AIB Community," *AIB Insights* 16(3), 2016. Available at http://documents.aib.msu.edu/publications/ insights/v16n3/v16n3_Article1.pdf.
- 9 The term "globaloney" was coined by the late American politician Clare Boothe Luce. See Albin Krebs, "Clare Boothe Luce Dies at 84: Playwright, Politician, Envoy," *The New York Times*, October 10, 1987.
- 10 For a detailed explanation of how the DHL Global Connectedness Index measures globalization, refer to Chapter 4. The data sources employed are listed in Appendix B. We relate the definition of globalization employed here to definitions in the literature in Pankaj Ghemawat and Steven A. Altman, "Defining and Measuring Globalization," Chapter 1 in Pankaj Ghemawat, *The Laws of Globalization and Business Applications*, Cambridge University Press, 2017.
- **11** Survey conducted for Pankaj Ghemawat via the SurveyMonkey platform.
- 12 Pre-course survey of students enrolled in Pankaj Ghemawat's MOOC (massive open online course) "Globalization of Business Enterprise" on the Coursera platform.
- 13 Separately from the survey cited, other research suggests that international activity—consistent with the general pattern of limited depth contributes far less to such problems than domestic activity (and policy). For additional discussion of alleged harms associated with globalization, refer to chapters 5-11 of Pankaj Ghemawat, *World 3.0: Global Prosperity and How to Achieve It,"* Harvard Business Review Press, 2011.
- 14 See the 2014 edition of the German Marshall Fund of the United States "Transatlantic Trends" survey.
- 15 To illustrate this measure—as well as the importance of measuring breadth, which is a unique feature of the DHL Global Connectedness Index—consider tourism in Macau. While Macau ranks first in terms of the number of inbound tourists per capita (a depth metric), more than 80% of those tourists come from Mainland China and Hong Kong. Thus, while the depth of inbound tourism in Macau is very high, its breadth is limited, especially when one notes that less than 10% of outbound international tourists worldwide come from Mainland China and Hong Kong. From the standpoint of scoring breadth, if Macau attracted tourists from all around the world in proportion to where the world's outbound tourists come from, it would have the highest possible breadth score. In

contrast, if all of Macau's tourists came from just one country that sends tourists nowhere else, it would receive the lowest possible score.

- 16 Thomas L Friedman, *The World Is Flat: A Brief History of the Twenty- First Century*, Farrar Straus and Giroux, 2005.
- 17 Under frictionless benchmark assumptions, each country consumes imports from every other country in proportion to every other country's share of world output. While this type of benchmark was developed originally for trade analysis, we construct analogous benchmarks here for other flows based on the denominators of the their depth ratios: gross fixed capital formation for FDI flows, market capitalization for portfolio equity, population for telephone calls, migration, and tourism, and tertiary education enrollment for students. For additional background, refer to Keith Head and Thierry Mayer, "What Separates Us? Sources of Resistance to Globalization," *Canadian Journal of Economics/Revue canadienne d'économigue* 46(4), November 2013.
- 18 Based on data reported by Bloomberg. Actually, the losses immediately inferred from Brexit are even larger than \$3.6 trillion if one recognizes that even before the vote, the probability of a vote in favor of Brexit was (significantly) greater than zero. Formally, the inferred losses are equal to \$3.6 trillion divided by 1 minus the assessed probability, prior to the vote, of the UK voting to leave the EU.
- 19 Percent changes versus 2005 are first computed at the component level and then higher levels of aggregation (overall index, depth and breadth dimensions, and pillars) are calculated as weighted averages of the component-level percent changes (using the weights reported in Chapter 4). In prior editions of this report, the analogous trend charts reported percent changes in normalized scores.
- 20 Additionally, for the trend analysis presented here, we do not employ the 5-year limit on data repetition used in calculating the country scores and ranks. This is done so as to ensure that trend analysis is not affected by changing data availability across years.
- 21 Tables 4.4 and 4.5 list variables for which no 2015 data were yet available at the time we conducted this analysis. The methods employed for handling these and other data gaps are explained in detail in Chapter 4. Additionally, recent data are also more often subject to large revisions by the data sources than older data.
- 22 Refer to Chapter 4 of the 2011 edition of this report for analysis relating the depth dimension of global connectedness to country-level economic growth.
- 23 The drivers of the drop-off in breadth relative to its baseline level were analyzed in Chapter 4 of the 2014 edition of this report. In brief, the primary driver of the decline was the rising share of international flows involving emerging economies, especially during the 2008–09 crisis centered in advanced economies. Advanced economies stretched their international flows out over greater distances, but their flow patterns did not change fast enough to keep up with the underlying shift in economic activity (towards emerging economies).
- 24 WTO Press Release, "Trade growth to remain subdued in 2016 as uncertainties weigh on global demand," April 7, 2016; WTO Press Release, "Trade in 2016 to grow at slowest pace since the financial crisis," September 27, 2016.
- 25 WTO Press Release, "Trade in 2016 to grow at slowest pace since the financial crisis," September 27, 2016.
- 26 Cristina Constantinescu, Aaditya Mattoo, and Michele Ruta, "Slow Trade," *Finance and Development* Vol. 51, No. 4, International Monetary Fund, December 2014.
- 27 See, for example, Madhur Jha, Samantha Amerasinghe, and John Calverley, "Global supply chains: New directions," Standard Chartered, May 27, 2015.

28 Based on data from World Bank World Development Indicators database.

- 29 WTO Director-General Roberto Azevêdo keynote address to the World Trade Symposium in London on June 7, 2016, published online at https:// www.wto.org/english/news_e/spra_e/spra126_e.htm.
- **30** Simon J. Evenett and Johannes Fritz, "Global Trade Plateaus," Global Trade Alert Report #19, 2016.
- 31 World Trade Organization, "Report on G20 Trade Measures," June 21, 2016.
- **32** Keith Head and Thierry Mayer, "What separates us? Sources of resistance to globalization," *Canadian Journal of Economics/Revue canadienne d'économique* 46(4), November 2013.
- 33 UNCTAD, "World Investment Report 2013: Global Value Chains: Investment and Trade for Development," United Nations. http://unctad.org/en/ PublicationsLibrary/wir2013_en.pdf
- 34 Calculation based on comparison of trade in value added from the 2013 UNCTAD World Investment Report (p. 137) with sectoral composition of GDP data from World Bank World Development Indicators database.
- 35 Gross fixed capital formation is not a perfect comparison for FDI flows. It includes, for example, investment in housing. However, we are not aware of any better indicator available to replace it.
- 36 UNCTAD World Investment Report 2016.
- 37 This estimate is based on applying the 15% growth rate excluding corporate reconfigurations reported by UNCTAD to total FDI inflows in 2014. Note that global gross fixed capital formation (the denominator in this depth ratio) fell 6% in US dollar terms in 2015. Thus even if FDI inflows had failed to expand at all, the depth ratio would have risen to 7.2%.
- 38 Based on UNCTAD World Investment Report 2016 and the July 13, 2016 U.S. Bureau of Economic Analysis news release entitled, "New Foreign Direct Investment in the United States, 2014 and 2015."
- **39** In this paragraph, for consistency with the preceding discussion of FDI inflows, we have used depth ratios reported by the countries on the receiving end of the capital flows (portfolio equity inflows and inward stocks of both FDI and portfolio equity). The only one of these metrics on which the direction used made a material difference in 2015 was portfolio equity stocks, which closed 2015 at 33% of stock market capitalization based on outward data.
- 40 Other sources that do not perform such normalization seem to us to overhype the growth of informational connectedness. McKinsey Global Institute's March 2016 report, "Digital Globalization: The New Era of Global Flows," for example, mentions at least six times that international internet bandwidth has grown 45 times over the past decade.
- **41** Rough estimate based on data from Cisco Visual Networking Index and Telegeography. The values reported in the text include all IP traffic (fixed internet, managed IP, and mobile data) in the denominator of the depth ratio. If the denominator is restricted to fixed internet traffic only the international share rises to 18% in 2005 and 33% in 2015.
- 42 Accenture, "Cross-border Ecommerce," 2016.
- 43 Maurice H. Yearwood, Amy Cuddy, Nishtha Lamba, Wu Youyou, Ilmo van der Lowe, Paul K. Piff, Charles Gronin, Pete Fleming, Emiliana Simon-Thomas, Dacher Keltner, and Aleksandr Spectre, "On wealth and the diversity of friendships: High social class people around the world have fewer international friends." *Personality and Individual Differences* 87, December 2015.
- 44 Johan Ugander, Brian Karrer, Lars Backstrom, and Cameron Marlow, "The Anatomy of the Facebook Social Graph," arXiv:1111.4503 [cs.SI], November 2011.
- 45 Yuri Takhteyev, Anatoliy Gruzd, and Barry Wellman. "Geography of Twitter Networks." Social Networks 34(1), January 2012.

- 46 Based on data reported by Telegeography.
- 47 Annual data for domestic telephone calls are available from the ITU, though with significant coverage gaps for most countries. There are better data available on total number of mobile and fixed line subscriptions, however, from the World Bank's World Development Indicators. These data are available on an annual basis and without significant gaps for most countries. These variables were used to develop fixed effects models of the per capita levels of fixed-to-fixed, fixed-to-mobile and mobile to-mobile minutes. The fixed effects employed were countries (if there was sufficient data to ascertain a trend) and regions. Each of these fixed effects was interacted with the subscription data so that individual countries' and regions' trends were preserved when they were known. The model was checked in detail for goodness-of-fit at the country level; the final models had an average adjusted R-squared of 0.89. These models were used to predict the calling minutes of each country in the model, as well as the remaining countries in each region, and these were aggregated to estimate a world total.
- 48 More precisely, trade in all commodities classified under the HS Code 49: printed books, newspapers, pictures and other products of the printing industry, manuscripts, typescripts, and plans.
- **49** According to the 2009 UNDP Human Development Report, "A report by the ILO counted 33 million foreign nationals in 1910, equivalent to 2.5% of the population covered by the study (which was 76% of the world population at the time); the share of migrants in the world population (excluding the former Soviet Union and Czechoslovakia for comparability because their breakups caused people to become reclassified as migrants without actual movement) grew from 2.7% to 2.8% between 1960 and 2010 (p. 30)"; The International Organization for Migration (IOM) reports that migrants formed 2.5% of the world population in 1960 and 3.1% in 2010 (International Organization for Migration (IOM), "World Migration Report 2005: Costs and Benefits of International Migration," *IOM World Migration Report Series* 3, 2005. https://publications.iom.int/system/files/pdf/wmr_2005_3.pdf).
- 50 2015 data not yet released on this metric.
- 51 UN World Tourism Organization (UNWTO), "World Tourism Highlights," 2016.
- 52 Julia Kirby and Thomas A. Stewart, "The Institutional Yes," Harvard Business Review, October 2007.
- 53 For a book-length treatment of this material, refer to Pankaj Ghemawat, *The Laws of Globalization and Business Applications*, Cambridge University Press, 2017.
- 54 William F. McComas, "A Textbook Case of the Nature of Science: Laws and Theories in the Science of Biology," *International Journal of Science and Mathematics Education* 1(2), June 2003.
- 55 Pankaj Ghemawat, "Beyond Brexit: An Initial Analysis and Questions for the AIB Community," AIB Insights 16(3), 2016. Available at http:// documents.aib.msu.edu/publications/insights/v16n3/v16n3_Article1.pdf.
- 56 Some of the same insights, however, do also apply within countries, at the regional and even local levels. See, for instance, Pankaj Ghemawat, "From International Business to Intranational Business," in *Emerging Economies and Multinational Enterprises*, edited by Laszlo Tihanyi, Elitsa R. Banalieva, Timothy M. Devinney, and Torben Pedersen, Emerald Group Publishing, 2015.
- 57 Waldo Tobler, "Linear Pycnophylactic Reallocation—Comment on a Paper by D. Martin," *International Journal of Geographical Information Science* 13(1), January 1999.
- 58 Waldo Tobler, "A Computer Movie Simulating Urban Growth in the Detroit Region," *Economic Geography* 46 (Supplement: Proceedings, International Geographical Union), Commission on Quantitative Methods," June 1970.

CHAPTER 2 HOW GLOBALIZED ARE INDIVIDUAL COUNTRIES AND REGIONS?

ж

ŝ

武平

~~~

\*

Global connectedness is more limited than many presume—as described in the previous chapter—and also varies widely across countries. This chapter compares countries' and regions' global connectedness. First, countries' overall levels of connectedness are ranked and analyzed, followed by shorter discussions of the depth and breadth of their connectedness. Second, countries' depth scores are compared to predictions based on their structural characteristics. Third, changes from 2013 to 2015 in countries' levels of connectedness are shown, and the countries where connectedness increased or decreased the most are highlighted. Fourth, regions' levels and patterns of connectedness are compared and discussed.

Readers wishing to examine the evolution of countries' global connectedness over time should review the scores and ranks computed for this edition of the index, which are provided back to 2005, rather than comparing this year's report with prior editions. There are three reasons for this: First, this report incorporates the latest revisions to the source data underlying the index, including the replacement of estimated with actual values as they have become available. Second, five countries that were included in the 2014 edition (Central African Republic, Gabon, Papua New Guinea, Syria, and Tajikistan) are not included in this year's index due to data availability constraints. They have been replaced by the five largest economies that were not in the previous edition for which available data are sufficient this time around—Guinea, Macau SAR (China)<sup>1</sup>, Montenegro, Tanzania, and Togo, and all ranks and scores have been recomputed based on this new set of countries and territories covered. Third, comparing results across years within a single edition of this report rather than across editions is consistent with the technical requirements of the normalization method used to compute the index, as described in Chapter 4.

The 140 country profiles in Part II graph countries' overall global connectedness trends since 2005 and map their merchandise export patterns. They also provide data on each of the depth and breadth components that enter into the computation of the index, compare countries' inward versus outward connectedness, and highlight key structural and policy drivers of global connectedness. Countries' overall global connectedness, depth, and breadth scores and ranks over time are also reported in Tables A.1 to A.3 in Appendix A.<sup>2</sup>

#### 2015 Scores and Rankings

**Figure 2.1** displays countries' overall scores and ranks in 2015, the most recent year covered in this report, and highlights the composition of each country's score based on the depth and breadth of its connectedness. For pillar level scores and ranks, please refer to **Figures A.1 to A.4** in **Appendix A**. As described in **Chapter 4**, depth and breadth are both scored on a scale from 0 to 50, so that when they are added together, overall global connectedness is measured on a scale from 0 to 100.

The top ten ranks on the DHL Global Connectedness Index are held, in descending order, by the Netherlands, Singapore, Ireland, Switzerland, Luxembourg, Belgium, Germany, the United Kingdom, Denmark, and the United Arab Emirates. The countries that fall to the bottom of the rankings are, in ascending order, Burundi, Uzbekistan, Mali, Myanmar, Rwanda, Burkina Faso, Yemen, Iran, Nepal, and Niger.

This juxtaposition of the countries with the highest and the lowest ranks suggests some obvious effects of levels of economic development and geographic locations on global connectedness. The top 10 are all among the world's most prosperous countries, and all but one (the United Arab Emirates) are classified as advanced economies by the International Monetary Fund (IMF).<sup>3</sup> And 8 of the top 10 are located in Europe. In contrast, the IMF classifies all of the

#### FIGURE 2.1 // DHL GLOBAL CONNECTEDNESS INDEX, OVERALL RESULTS WITH RANK CHANGES FROM 2013 TO 2015 IN PARENTHESES

| 1. Netherlands (0)                        |     | 1  | 1      | 1  | 1  |
|-------------------------------------------|-----|----|--------|----|----|
| 2. Singapore (0)                          |     |    |        |    |    |
| 3. Ireland (+1)                           |     |    |        |    |    |
| 4. Switzerland (-1)                       |     | _  | I      |    |    |
| 5. Luxembourg (+1)<br>6. Belgium (-1)     |     | -  |        |    | с. |
| 7. Germany (+1)                           |     |    |        |    | Ľ. |
| 8. United Kingdom (-1)                    |     |    | I      |    |    |
| 9. Denmark (0)                            |     |    | 1      |    |    |
| 10. United Arab Emirates (+4)             |     |    |        |    |    |
| 11. Sweden (-1)                           |     |    | I      |    |    |
| 12. Hungary (-1)<br>13. Malta (+2)        |     |    | r      |    |    |
| 14. France (-2)                           |     |    | I      |    |    |
| 15. Israel (+3)                           |     |    | I      |    |    |
| 16. Norway (0)                            |     |    | ı<br>I |    |    |
| 17. Hong Kong SAR (China) (0)             |     |    | l .    |    |    |
| 18. Korea, Republic (-5)                  |     |    | 1      |    |    |
| 19. Malaysia (+3)<br>20. Austria (0)      |     |    | I      |    |    |
| 21. Taiwan (China) (-2)                   |     |    | Ι      |    |    |
| 22. Thailand (-1)                         |     |    |        |    |    |
| 23. Spain (+2)                            |     |    | I      |    |    |
| 24. Czech Republic (+5)                   |     |    | I      |    |    |
| 25. Italy (-1)                            |     |    |        |    |    |
| 26. Iceland (-3)<br>27. United States (0) |     |    | 1      |    |    |
| 28. Finland (-2)                          |     |    | 1      |    |    |
| 29. New Zealand (+2)                      |     |    | I      |    |    |
| 30. Canada (0)                            |     |    | 1      |    |    |
| 31. Portugal (+7)                         |     |    | l<br>I |    |    |
| 32. Bulgaria (0)                          |     | _  | 1      |    |    |
| 33. Slovenia (+1)<br>34. Australia (-6)   |     |    | 1      |    |    |
| 35. Qatar (0)                             |     |    | 1      |    |    |
| 36. Vietnam (-3)                          |     | _  | 1      |    |    |
| 37. Poland (0)                            |     |    | 1      |    |    |
| 38. Japan (+1)                            |     |    |        |    |    |
| 39. Saudi Arabia (-3)                     |     |    |        |    |    |
| 40. Bahrain (+13)<br>41. Mauritius (+5)   | _   | _  |        |    |    |
| 42. Panama (-1)                           |     |    |        |    |    |
| 43. Estonia (-1)                          |     |    |        |    |    |
| 44. Cambodia (+5)                         |     |    |        |    |    |
| 45. Slovak Republic (-5)                  |     |    |        |    |    |
| 46. Oman (+18)                            |     |    |        |    |    |
| 47. South Africa (-3)                     |     |    |        |    |    |
| 48. Latvia (-3)<br>49. Greece (+6)        |     |    |        |    |    |
| 50. Cyprus (+4)                           |     |    | I      |    |    |
| 51. Lebanon (-8)                          |     |    |        |    |    |
| 52. Lithuania (-1)                        |     |    |        |    |    |
| 53. Chile (-3)                            |     |    | 1      |    |    |
| 54. Turkey (-6)                           |     | _  |        |    |    |
| 55. Kuwait (-3)                           |     | _  |        |    |    |
| 56. Georgia (+5)<br>57. Brazil (+6)       |     |    |        |    |    |
| 58. Jordan (+2)                           |     |    |        |    |    |
| 59. Philippines (-3)                      |     |    |        |    |    |
| 60. Kazakhstan (-13)                      |     |    | I      |    |    |
| 61. Peru (-2)                             |     |    | 1      |    |    |
| 62. Honduras (+8)                         |     |    |        |    |    |
| 63. Ukraine (+3)<br>64. Mexico (+17)      |     |    |        |    |    |
| 65. Bahamas, The (+3)                     |     |    |        |    |    |
| 66. Congo, Republic (-9)                  |     |    |        |    |    |
| 67. Russian Federation (-9)               |     |    |        |    |    |
| 68. China (-3)                            |     |    |        |    |    |
| 69. Guyana (+9)                           |     |    |        |    |    |
| 70. Croatia (+9)                          | 0   | 20 | 40     | 60 | 80 |
|                                           | . • |    |        |    |    |

71. Serbia (+6) 72. Romania (-3) 73. Macau SAR (China) (+18) 74. Fiji (+20) 75. Trinidad and Tobago (-13) 76. Barbados (-3) 77. Macedonia, FYR (+9) 78. India (-3) 79. Ghana (+1) 80. Tunisia (-4) 81. Uruguay (+8) 82. Morocco (+2) 83. Brunei Darussalam (+7) 84. Moldova (-2) 85. Jamaica (+22) 86. Sri Lanka (-1) 87. Costa Rica (-13) 88. Colombia (+5) 89. Suriname (+23) 90. Nicaragua (-19) 91. Armenia (-8) 92. Azerbaijan (-5) 93. Togo (-21) 94. Mongolia (-6) 95. Nigeria (-28) 96. Montenegro (+1) 97. Angola (-2) 98. Madagascar (+10) 99. Pakistan (-7) 100. Albania (+6) 101. Gambia, The (0) 102. Argentina (-2) 103. Senegal (+10) 104. Belarus (-6) 105. Kenya (-6) 106. Ethiopia (-10) 107. Ecuador (+2) 108. Indonesia (-3) 109. Cote d'Ivoire (-5) 110. Bosnia & Herzegovina (-7) 111. Guatemala (+7) 112. Dominican Republic (+4) 113. Mozambique (+12) 114. Egypt, Arab Republic (-12) 115. Paraguay (+6) 116. Bolivia (-1) 117. Botswana (-6) 118. Bangladesh (+1) 119. Namibia (-5) 120. Guinea (-3) 121. Benin (+2) 122. Zambia (+5) 123. El Salvador (-1) 124. Kyrgyz Republic (-4) 125. Venezuela, RB (-15) 126. Tanzania (-2) 127. Cameroon (+3) 128. Lao PDR (+4) 129. Uganda (-1) 130. Zimbabwe (-1) 131. Niger (+2) 132. Nepal (+2) 133. Iran, Islamic Republic (+4) 134. Yemen, Republic (-8) 135. Burkina Faso (-4) 136. Rwanda (0) 137. Myanmar (+1) 138. Mali (-3) 139. Uzbekistan (0) 140. Burundi (0) 100 0 20 40 60 80 100

Depth

Breadth

bottom 10 countries as emerging or developing economies, and 5 of them are located in Sub-Saharan Africa.

The rough generalizations implied by looking at the highest and lowest ranked countries reflect patterns that also show up in statistical analysis across all countries and highlight important structural influences on countries' levels of connectedness. In fact, three economic and geographic factors alone can explain 71% of the variation among countries' global connectedness scores: GDP per capita, remoteness, and population. The details of the statistical (regression) analysis described in this chapter are covered in Tables B.3 and B.5 in Appendix B.

More connected countries indeed tend to be more prosperous than less connected countries. All else equal, if one country has twice as high a GDP per capita as another, its global connectedness score will tend to be more than 5 points higher. If countries are assigned remoteness scores between 0 and 10 based on their proximity or distance from foreign markets around the world, an increase of 5 points in remoteness (which corresponds approximately to how much more remote Rwanda is, loosely speaking, from the world's economic center of gravity than the Netherlands) is associated with a reduction of almost 10 points on global connectedness scores. Other things being equal, if one country has twice the population of another, its global connectedness score will tend to be roughly 1 point higher.<sup>4</sup>

In addition to these three major explanatory factors, speaking a common language with other major economies and direct access to the sea (i.e. a country not being landlocked) are also associated with higher global connectedness scores.

Returning to the highest and lowest ranked countries, then, it is unsurprising that 8 of the top 10 are in Europe, which is the region where countries average the lowest remoteness. And while 2 of the top 10 are landlocked, even those—Switzerland and Luxembourg—benefit from well-developed institutional and physical infrastructure to connect them to world markets. The 7 landlocked countries in the bottom 10 lack such compensating advantages. And the fact that 5 of the bottom 10 are located in Sub-Saharan Africa also fits with the fact that Sub-Saharan Africa is one of the regions that is relatively more remote from international markets.

Focusing on the top 10 most globally connected countries should not, however, foster the misconception that global connectedness is restricted to the richest countries in the most privileged locations. Vietnam (ranked 36<sup>th</sup>) is classified by the World Bank as a lower middle income country, and Cambodia (44<sup>th</sup>) is a low income country.<sup>5</sup>

In fact, the top 60 countries include representatives from all geographic regions.<sup>6</sup> Countries in Europe, East Asia & Pacific, and Middle East & North Africa were already mentioned in the top 10. North America enters the list with the United States (27<sup>th</sup>). Mauritius (41<sup>st</sup>) is the top ranked country in the Sub-Saharan Africa region.<sup>7</sup> Panama (42<sup>nd</sup>) leads among countries in South & Central America & the Caribbean, and Turkey (54<sup>th</sup>) is the most globally connected country in South & Central Asia. Turkey was classified in South & Central Asia because the majority of its land area lies within the Asian continent. If, however, Turkey had been classified in Europe, it would have ranked 30<sup>th</sup> out of 41 European countries. Regional differences in connectedness will be discussed further in the final section of this chapter.

Turning to depth and breadth, as the split bars on Figure 2.1 indicate, the leading countries earned their places in the top 10 based on a mix of strengths on the depth and breadth dimensions. The top ranked country, the Netherlands, excelled on both dimensions without topping either one (ranking sixth on depth and third on breadth). Switzerland and Denmark also earned their places based on relatively balanced scores across both dimensions. Singapore, Ireland, Luxembourg, Belgium, and the United Arab Emirates earned their top ranks primarily based on the depth of their international integration relative to the sizes of their domestic economies. In contrast Germany and the United Kingdom earned their positions in the top 10 based mainly on the global breadth of their connectedness. The United Kingdom ranks 1st on breadth but only 74th on depth, and Germany ranks 8<sup>th</sup> on breadth but 30<sup>th</sup> on depth.

On the depth dimension, as shown in **Figure 2.2**, the top ranks are held by Singapore, Hong Kong SAR (China), Luxembourg, Ireland, Belgium, the Netherlands, Malta, the United Arab Emirates, Hungary, and Estonia. The lowest ranked countries on the depth dimension are Iran, Bangladesh, Burundi, Pakistan, Nepal, Myanmar, Ethiopia, India, Indonesia, and Egypt. Casual observation of Figure 2.2 suggests that economies with higher depth scores tend to be both wealthy and relatively small, as exemplified by the top 3: Singapore, Hong Kong SAR (China), and Luxembourg. There are obvious reasons why advanced economies with relatively small internal markets will have a larger share of their trade, investment, communications, and even people, outside of their own borders. Such patterns are indeed found to be statistically significant, with higher depth scores positively associated with countries' GDP per capita but negatively associated with their populations. Depth is also associated positively with linguistic commonality and negatively with remoteness and landlockedness.<sup>8</sup>

**Figure 2.3** ranks countries according to their breadth scores. The top 10 countries on the breadth dimension of global connectedness are the United Kingdom, the United States, the Netherlands, the Republic of Korea, Japan, Switzerland, France, Germany, Israel, and Australia. The lowest ranked countries on breadth are Namibia, Burkina Faso, Uzbekistan, Burundi, Botswana, Kyrgyz Republic, Niger, Bosnia & Herzegovina, Mali, and Belarus.

The countries with the highest breadth scores are both large and wealthy. Of the top 10 countries on breadth, 9 are among the world's 20 largest economies based on GDP in US dollars at market exchange rates. Israel is smaller but still ranks among the world's 40 largest economies—and the breadth of its international interactions is elevated by its unusually limited connections to neighboring countries. Thus, while the same country characteristics used to describe depth scores are also significant factors for explaining breadth, the main contrast is that breadth is positively—rather than negatively—associated with countries having larger populations.<sup>9</sup>

The pattern of larger economies exhibiting higher breadth scores and lower depth scores holds up even in the extreme cases of the largest emerging markets, which helps explain why those countries are so globally significant even though their economic activity is disproportionately domestic. Each of the BRIC countries (Brazil, Russia, India, and China), has higher breadth than depth, with an average difference of 27.3 points (and an even higher difference of 31.1 points when Russia is excluded). The magnitude of these differences is considerable, especially when one recalls that both depth and breadth are scaled from 0 to 50, so the maximum possible difference is 50 points, and the largest observed difference is 32.1 points.

Consider the example of China, which ranks 125<sup>th</sup> (out of 140 countries) on depth and 16<sup>th</sup> on breadth. As the world's second largest economy and as a country with high breadth (and with stronger outward than inward connectedness), China's global impact is very large. But China's depth rank provides a useful reminder that even in China, the overwhelming majority of activity is domestic, as it is in all other large economies. China ranks 86<sup>th</sup> in terms of the

depth of its merchandise exports, a rank that is high only in comparison to other very large economies: the United States, India, and Japan rank 130<sup>th</sup>, 115<sup>th</sup>, and 108<sup>th</sup>, respectively, on this metric. Of course, China's rank in terms of the depth of its merchandise imports, 133<sup>rd</sup>, *is* much lower.

Segmenting the DHL Global Connectedness Index scores based on the directions of the flows that are measured yields further insight into the patterns of global connectedness.<sup>10</sup> Among 133 countries with sufficient data to conduct directional analysis, 74 countries are more connected in the outward direction, while 59 have stronger inward connections. **Figure 2.4** elaborates this pattern by ranking countries based on the difference between their outward and inward connectedness scores.

While disparities between inward and outward connectedness on the trade and capital pillars sometimes indicate imbalances that can contribute to economic instability, it is important not to interpret *all* such differences as indicators of dangerous imbalances. First of all, imbalances on the breadth dimension just mean that a country interacts with a more globally representative set of countries in one direction, while focusing more on particular partners in the other. Second, international flows of debt capital—the most dangerous flows in this respect because they must be repaid on specific dates—are excluded from the index. Third, while trade, FDI, and portfolio equity flows do directly impact future obligations, other components of the index do not. Inbound telephone calls, for example, apart from common courtesy, do not require future outbound calls.

With those caveats in mind, the countries with the largest imbalances in favor of outward connectedness are Cambodia, China, Iran, Taiwan (China), and Lithuania while those with the largest imbalances in favor of inward connectedness are Lebanon, Jordan, Mozambique, Georgia and Rwanda. The countries with the most balanced connectedness between the inward and outward directions are New Zealand, Luxembourg, Botswana, South Africa, and Canada.

#### Depth Scores Relative to Estimates based on Structural Factors

Higher depth scores on the DHL Global Connectedness Index have been associated with faster economic growth,<sup>11</sup> and more generally, the upside available to countries from deeper connectedness is often underestimated.<sup>12</sup> The implication that higher depth scores are better than lower ones<sup>13</sup> motivates this examination of how countries' depth scores

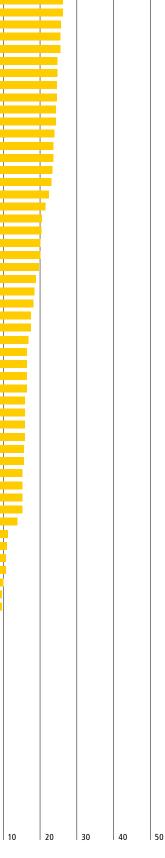
### **FIGURE 2.2 // DHL GLOBAL CONNECTEDNESS INDEX, DEPTH DIMENSION** WITH RANK CHANGES FROM 2013 TO 2015 IN PARENTHESES

| 1. Singapore (0)                                  |     |      |      |                |          |      |
|---------------------------------------------------|-----|------|------|----------------|----------|------|
| 2. Hong Kong SAR (China) (0)                      |     |      |      |                |          |      |
| 3. Luxembourg (0)                                 |     | 1    |      | 1              |          |      |
| 4. Ireland (+3)<br>5. Belgium (+1)                |     | 1    | 1    | 1              | 1        |      |
| 6. Netherlands (-2)                               |     |      |      | 1              |          |      |
| 7. Malta (-2)                                     |     |      | 1    |                |          |      |
| 8. United Arab Emirates (+2)                      |     |      |      |                |          |      |
| 9. Hungary (+2)                                   |     | -    |      |                | <b>.</b> |      |
| 10. Estonia (-1)                                  |     |      |      | 1              | -        |      |
| 11. Switzerland (-3)                              |     | 1    | 1    | 1              |          |      |
| 12. Austria (+1)                                  |     | 1    |      | 1              |          |      |
| 13. Czech Republic (+1)<br>14. Latvia (-2)        |     |      |      | 1              |          |      |
| 15. Oman (+14)                                    |     | - 1  |      |                | •        |      |
| 16. Slovenia (+3)                                 |     | 1    | 1    | 1              |          |      |
| 17. Malaysia (-2)                                 |     |      |      |                |          |      |
| 18. Denmark (0)                                   |     |      |      |                |          |      |
| 19. Cyprus (+14)                                  |     | -    |      |                |          |      |
| 20. Lithuania (-4)                                |     |      |      |                |          |      |
| 21. Bulgaria (+5)                                 |     | - 1  |      |                |          |      |
| 22. Bahrain (+3)                                  |     | - 1  | 1    | 1              |          |      |
| 23. Mauritius (+5)<br>24. Cambodia (-2)           |     |      |      |                |          |      |
| 25. Portugal (+38)                                |     |      | 1    |                |          |      |
| 26. Taiwan (China) (-2)                           |     |      |      |                |          |      |
| 27. Bahamas, The (-4)                             |     |      |      |                |          |      |
| 28. Slovak Republic (-11)                         |     | -    |      |                |          |      |
| 29. Barbados (+2)                                 |     | -    | 1    | <b>—</b>       |          |      |
| 30. Germany (+7)                                  |     | 1    | 1    | 1              |          |      |
| 31. Moldova (+3)                                  |     | 1    | 1    | 1              |          |      |
| 32. Brunei Darussalam (+11)<br>33. Sweden (-6)    |     | 1    | 1    | 1              |          |      |
| 34. Montenegro (+2)                               |     | 1    | 1    | 1              |          |      |
| 35. Guyana (-15)                                  |     | 1    | 1    |                |          |      |
| 36. Macedonia, FYR (+5)                           |     | 1    | 1    |                |          |      |
| 37. Georgia (+9)                                  |     |      |      | <b>—</b>       |          |      |
| 38. Nicaragua (-8)                                |     | -    |      | <b>•</b>       |          |      |
| 39. Congo, Republic (+8)                          |     |      |      |                |          |      |
| 40. Macau SAR (China) (+12)                       |     | 1    | 1    | 1              |          |      |
| 41. Belarus (+4)                                  |     | 1    | 1    | 1              |          |      |
| 42. Iceland (-10)<br>43. Fiji (+18)               |     | 1    | 1    | 1              |          |      |
| 44. Poland (+24)                                  |     | 1    | 1    | -              |          |      |
| 45. Canada (+9)                                   |     |      |      | 1              |          |      |
| 46. Trinidad and Tobago (-25)                     |     |      |      | <b>.</b>       |          |      |
| 47. Honduras (-3)                                 |     | -    |      | •              |          |      |
| 48. Ukraine (+1)                                  |     |      |      | <mark>.</mark> |          |      |
| 49. Qatar (+2)                                    |     | 1    | 1    | _              |          |      |
| 50. Finland (-10)                                 |     | 1    | 1    |                |          |      |
| 51. Norway (-12)<br>52. Bosnia & Herzegovina (-4) |     |      | 1    |                |          |      |
| 53. Croatia (+23)                                 |     |      | 1    |                |          |      |
| 54. Vietnam (-1)                                  |     | 1    | 1    |                |          |      |
| 55. Albania (+7)                                  |     |      |      |                |          |      |
| 56. Serbia (+3)                                   |     |      |      |                |          |      |
| 57. Thailand (+1)                                 |     |      |      |                |          |      |
| 58. Kuwait (+9)                                   |     | 1    |      |                |          |      |
| 59. Spain (+19)                                   |     |      |      |                |          |      |
| 60. France (+9)                                   |     |      |      |                |          |      |
| 61. Jordan (-6)<br>62. Israel (+3)                |     |      |      |                |          |      |
| 63. Lebanon (-25)                                 |     |      |      |                |          |      |
| 64. Namibia (-4)                                  |     |      |      |                |          |      |
| 65. Suriname (-15)                                |     |      |      |                |          |      |
| 66. Botswana (-9)                                 |     |      |      |                |          |      |
| 67. New Zealand (-1)                              |     | -    | -    |                |          |      |
| 68. Panama (-26)                                  |     |      |      |                |          |      |
| 69. Jamaica (+12)                                 |     | 1    |      |                |          |      |
| 70. Togo (-35)                                    | 0   | 10   | 20   | 30             | 40       | 50   |
|                                                   | • • | 1 10 | . 20 |                |          | 1 50 |

| 71. Italy (0)                               | I      |
|---------------------------------------------|--------|
| 72. Greece (+15)                            | I      |
| 73. Mongolia (-9)                           | 1      |
| 74. United Kingdom (-18)                    | 1      |
| 75. Gambia, The (+5)                        | I      |
| 76. Romania (-2)                            | I      |
| 77. Azerbaijan (+7)                         | 1      |
| 78. Tunisia (-1)                            | I      |
| 79. Korea, Republic (-9)                    | I      |
| 80. Chile (-1)                              | 1      |
| 81. Saudi Arabia (+2)                       | 1      |
| 82. Armenia (-7)                            | 1      |
| 83. Mexico (+6)                             |        |
| 84. Kazakhstan (-2)                         | 1      |
| 85. Costa Rica (-13)                        |        |
| 86. Kyrgyz Republic (-13)                   |        |
| 87. Mozambique (-2)                         |        |
| 88. South Africa (-2)                       |        |
| 89. Ghana (+5)                              |        |
| 90. El Salvador (0)                         | 1      |
| 91. Australia (-3)                          | 1<br>1 |
| 92. Senegal (-1)                            | 1<br>1 |
| 93. Zambia (0)                              | 1<br>1 |
| 94. Morocco (+1)                            | 1<br>1 |
| 95. Benin (+7)                              |        |
| 96. Angola (+4)                             | 1<br>1 |
| 97. Madagascar (+17)                        |        |
| 98. Dominican Republic (+1)                 |        |
| 99. Lao PDR (+13)                           |        |
| 100. United States (+1)                     |        |
| 101. Zimbabwe (-3)                          |        |
| 102. Paraguay (-5)                          |        |
| 103. Russian Federation (+6)                |        |
| 104. Cote d'Ivoire (-12)                    |        |
| 105. Niger (+1)                             |        |
| 106. Peru (-1)                              |        |
| 107. Colombia (+9)                          |        |
| 108. Japan (+7)                             |        |
| 109. Turkey (+1)                            | I      |
| 110. Uruguay (-3)                           |        |
| 111. Guatemala (-7)                         |        |
| 112. Bolivia (-9)                           |        |
| 113. Philippines (+5)                       |        |
| 114. Guinea (-18)                           |        |
| 115. Burkina Faso (-7)<br>116. Ecuador (-3) |        |
| 117. Kenya (+5)                             |        |
| 118. Uganda (+5)                            | L      |
| 119. Sri Lanka (0)                          | Ľ      |
| 120. Rwanda (+4)                            | Г      |
| 121. Brazil (+10)                           |        |
| 122. Mali (-5)                              |        |
| 123. Nigeria (-3)                           |        |
| 124. Uzbekistan (+1)                        |        |
| 125. China (+3)                             |        |
| 126. Yemen, Republic (-5)                   |        |
| 127. Argentina (+3)                         |        |
| 128. Cameroon (+1)                          |        |
| 129. Tanzania (-2)                          |        |
| 130. Venezuela, RB (-19)                    |        |
| 131. Egypt, Arab Republic (+1)              |        |
| 132. Indonesia (+2)                         |        |
| 133. India (-7)                             |        |
| 134. Ethiopia (+2)                          |        |
| 135. Myanmar (-2)                           |        |
| 136. Nepal (-1)                             |        |
| 137. Pakistan (+1)                          |        |
| 138. Burundi (-1)                           |        |
| 139. Bangladesh (+1)                        |        |
| 140. Iran. Islamic Republic (-1)            |        |

0

140. Iran, Islamic Republic (-1)



Depth

#### FIGURE 2.3 // DHL GLOBAL CONNECTEDNESS INDEX, BREADTH DIMENSION WITH RANK CHANGES FROM 2013 TO 2015 IN PARENTHESES

| 1. United Kingdom (0)                 |   | 1      | I  | 1  | I  |     |
|---------------------------------------|---|--------|----|----|----|-----|
| 2. United States (0)                  |   | 1      | 1  | 1  |    |     |
| 3. Netherlands (0)                    |   | 1      | 1  | 1  |    | 1   |
| 4. Korea, Republic (0)                |   |        | 1  | 1  |    | 1   |
| 5. Japan (+1)                         |   |        | 1  | 1  |    | 1   |
| 6. Switzerland (+2)                   |   | 1      |    | I  |    |     |
| 7. France (-2)                        |   | 1      | 1  | I  |    | I   |
| 8. Germany (-1)                       |   | 1      | 1  |    |    |     |
| 9. Israel (+1)                        |   | 1      | I  | 1  |    |     |
| 10. Australia (-1)                    |   | 1      | 1  | 1  |    |     |
| 11. Brazil (+1)                       |   | 1      | 1  | 1  |    |     |
| 12. Sweden (-1)                       |   | 1      | 1  | 1  |    |     |
| 13. Denmark (+4)                      |   | 1      | 1  | 1  |    |     |
| 14. Thailand (0)                      |   | 1      | 1  | 1  |    |     |
| 15. Italy (0)                         |   | 1      | 1  | 1  |    |     |
| 16. China (0)<br>17. Norway (+1)      |   | 1      | 1  | 1  |    |     |
| 18. Spain (-5)                        |   | 1      | 1  | 1  |    |     |
| 19. Singapore (+2)                    |   | 1      | I. | 1  |    |     |
| 20. Ireland (-1)                      |   | 1      | 1  | 1  |    | 1   |
| 21. India (+2)                        |   | 1      | 1  | 1  |    |     |
| 22. Turkey (-2)                       |   | 1      | 1  | 1  |    |     |
| 23. New Zealand (+7)                  |   | 1      | 1  |    |    | 1   |
| 24. Luxembourg (+3)                   |   |        |    |    |    | 1   |
| 25. Belgium (0)                       |   | 1      | 1  | 1  |    | 1   |
| 26. Philippines (-4)                  |   | 1      | I  | 1  |    | 1   |
| 27. Saudi Arabia (-3)                 |   |        |    |    |    | 1   |
| 28. Iceland (+1)                      |   |        | 1  |    |    | 1   |
| 29. Taiwan (China) (-1)               |   |        | 1  |    |    | 1   |
| 30. Finland (+1)                      |   |        |    |    |    |     |
| 31. Peru (+5)                         |   |        | 1  |    |    |     |
| 32. Pakistan (+1)                     |   | 1      | 1  |    |    |     |
| 33. Canada (+2)                       |   | 1      | 1  |    |    |     |
| 34. South Africa (0)                  |   | 1      | 1  |    |    |     |
| 35. Malaysia (+4)                     |   | 1      | 1  | 1  |    |     |
| 36. Sri Lanka (+8)                    |   | 1      | 1  |    |    |     |
| 37. Russian Federation (-5)           |   | 1      | 1  | L  |    |     |
| 38. United Arab Emirates (+4)         |   | 1      | 1  | L  |    |     |
| 39. Hungary (-2)                      |   | 1      | 1  | L. |    |     |
| 40. Qatar (+3)                        |   | 1      | I. | L. |    | 1   |
| 41. Vietnam (-3)                      |   | 1      | 1  | r. |    | 1   |
| 42. Nigeria (-16)                     |   | 1      | 1  |    |    | 1   |
| 43. Poland (-2)                       |   | 1      | 1  |    |    |     |
| 44. Ethiopia (-4)<br>45. Panama (+10) |   | 1      | 1  |    |    | 1   |
| 46. Portugal (0)                      |   | 1      | 1  |    |    | 1   |
| 47. Chile (+2)                        |   | 1      | 1  |    |    | 1   |
| 48. Greece (0)                        |   | 1      | 1  |    |    | 1   |
| 49. Austria (-4)                      |   | 1      |    |    |    | 1   |
| 50. Argentina (+1)                    |   | T      |    |    |    |     |
| 51. Indonesia (-1)                    |   | 1      |    |    |    | 1   |
| 52. Bulgaria (+1)                     |   |        |    |    |    | 1   |
| 53. Uruguay (+10)                     |   |        |    |    |    | 1   |
| 54. Malta (+6)                        |   |        |    |    |    | 1   |
| 55. Bangladesh (+1)                   |   |        |    |    |    | 1   |
| 56. Czech Republic (-2)               |   | 1      |    |    |    | 1   |
| 57. Lebanon (+4)                      |   | 1      |    |    |    | 1   |
| 58. Colombia (0)                      |   | ·<br>1 |    |    |    | 1   |
| 59. Kazakhstan (-12)                  |   |        | 1  |    |    | 1   |
| 60. Slovenia (-3)                     |   |        | 1  |    |    | 1   |
| 61. Mexico (+5)                       |   | I      |    |    |    | 1   |
| 62. Kenya (-3)                        |   | ·<br>I |    |    |    | 1   |
| 63. Egypt, Arab Republic (-11)        |   | 1      | 1  |    |    |     |
| 64. Ecuador (+14)                     |   | 1      | 1  |    |    |     |
| 65. Kuwait (-3)                       |   | ·<br>I |    |    |    |     |
| 66. Morocco (-1)                      |   | 1      | 1  |    |    | 1   |
| 67. Ghana (-3)                        |   | 1      | 1  |    |    | 1   |
| 68. Slovak Republic (+1)              |   | 1      |    |    |    | 1   |
| 69. Jordan (+5)                       |   | 1      | 1  |    |    |     |
| 70. Bahrain (+14)                     | 0 | 10     | 20 | 20 | 40 | F 7 |
|                                       | 0 | 10     | 20 | 30 | 40 | 50  |
|                                       |   |        |    |    |    |     |

71. Hong Kong SAR (China) (-4) 72. Mauritius (-1) 73. Cambodia (+4) 74. Romania (-6) 75. Madagascar (0) 76. Angola (-6) 77. Cyprus (+9) 78. Georgia (+4) 79. Cote d'Ivoire (+16) 80. Costa Rica (-7) 81. Honduras (+10) 82. Tunisia (-10) 83. Lithuania (+5) 84. Ukraine (-1) 85. Venezuela, RB (0) 86. Oman (+8) 87. Guatemala (+13) 88. Tanzania (-9) 89. Serbia (0) 90. Armenia (-3) 91. Cameroon (+5) 92. Croatia (-11) 93. Bolivia (+5) 94. Congo, Republic (-18) 95. Estonia (-5) 96. Senegal (+14) 97. Latvia (-5) 98. Paraguay (+16) 99. Azerbaijan (-19) 100. Jamaica (+19) 101. Dominican Republic (+2) 102. Bahamas, The (+4) 103. Guinea (+6) 104. Fiji (+13) 105. Trinidad and Tobago (-6) 106. Macau SAR (China) (+9) 107. Guyana (+11) 108. Suriname (+30) 109. Iran, Islamic Republic (-7) 110. Nepal (-6) 111. Mongolia (-3) 112. Togo (-11) 113. Uganda (-16) 114. Macedonia, FYR (-3) 115. Gambia, The (+1) 116. Barbados (-11) 117. Brunei Darussalam (+3) 118. Moldova (-5) 119. Nicaragua (-12) 120. Mozambique (+12) 121. Benin (-9) 122. Myanmar (0) 123. Albania (+5) 124. Yemen, Republic (-31) 125. Zambia (+2) 126. El Salvador (-3) 127. Rwanda (-6) 128. Montenegro (+6) 129. Lao PDR (-5) 130. Zimbabwe (-4) 131. Belarus (-2) 132. Mali (-7) 133. Bosnia & Herzegovina (-2) 134. Niger (-1) 135. Kyrgyz Republic (+2) 136. Botswana (-1) 137. Burundi (+2) 138. Uzbekistan (-2) 139. Burkina Faso (-9) 

140. Namibia (0)

0

10

20

30

40

50

Breadth

### FIGURE 2.4 // DHL GLOBAL CONNECTEDNESS INDEX, DIFFERENCES IN DIRECTIONALITYDISPROPORTIONATELY OUTWARDDISPROPORTIONATELY INWARD

| 1. Cambodia                     |          | I  | 1  | -  | 1  | 1. Lebanon              |   | 1      | 1  |    |   |
|---------------------------------|----------|----|----|----|----|-------------------------|---|--------|----|----|---|
| 2. China                        |          |    |    |    |    | 2. Jordan               |   | 1      |    |    |   |
| 3. Iran, Islamic Republic       |          |    |    |    |    |                         |   | I      | 1  |    |   |
| 4. Taiwan (China)               |          |    |    |    |    | 3. Mozambique           |   | 1      | 1  |    |   |
| 5. Lithuania                    |          |    |    |    |    | 4. Georgia              |   | 1      | 1  |    |   |
| 6. Austria                      |          |    |    |    |    | 5. Rwanda               |   | 1<br>1 | ÷  |    |   |
| 7. Germany                      |          |    |    |    |    | 6. Congo, Republic      |   | 1      |    |    |   |
| 8. Japan                        |          |    |    |    |    |                         |   |        |    |    |   |
| 9. Korea, Republic              |          |    |    |    |    | 7. Bahamas, The         |   | I      |    |    |   |
| 10. Switzerland                 |          |    |    |    |    | 8. Egypt, Arab Republic |   |        |    |    |   |
| 11. Italy                       |          |    |    |    |    | 9. United Arab Emirates |   |        |    |    |   |
| 12. Hong Kong SAR (China)       |          |    |    |    |    | 10. Niger               |   |        |    |    |   |
| 13. Ireland                     |          |    |    |    |    | 11. Montenegro          |   |        |    |    |   |
| 14. Denmark                     |          |    |    |    |    |                         |   |        |    |    |   |
| 15. Estonia                     |          |    |    |    |    | 12. Kyrgyz Republic     |   |        |    |    |   |
| 16. Pakistan                    |          |    |    |    |    | 13. Macau SAR (China)   |   |        |    |    |   |
| 17. Sweden                      |          |    |    |    |    | 14. El Salvador         |   |        |    |    |   |
| 18. Finland                     |          |    |    |    |    | 15. Jamaica             |   |        |    |    |   |
| 19. Sri Lanka                   |          |    |    |    |    |                         |   |        |    |    |   |
| 20. Kazakhstan                  |          |    |    |    |    | 16. Togo                |   |        |    |    |   |
| 21. Angola                      |          |    |    |    |    | 17. Paraguay            |   |        |    |    |   |
| 22. Nepal                       |          |    |    |    |    | 18. Guatemala           |   |        | 1  |    |   |
| 23. Azerbaijan<br>24. Indonesia |          |    |    |    |    | 19. Bolivia             |   |        | 1  |    |   |
| 24. Indonesia<br>25. Portugal   |          |    |    |    |    | 20. Australia           |   | 1      |    |    |   |
| 25. Portugai<br>26. Latvia      |          |    |    |    |    |                         |   | Ľ      |    |    |   |
| 27. Bulgaria                    |          |    |    |    |    | 21. Mexico              |   | L      | 1  |    |   |
| 28. India                       |          |    |    |    |    | 22. Mongolia            |   |        | 1  |    |   |
| 29. France                      |          |    |    |    |    | 23. Burundi             |   | ļ.,    |    |    |   |
| 30. Slovenia                    |          |    |    |    |    | 24. Yemen, Republic     |   |        |    |    |   |
| 31. Vietnam                     |          |    |    |    |    | 25. Benin               |   | T      |    |    |   |
| 32. Thailand                    |          |    |    |    |    |                         |   | 1      |    |    |   |
| 33. Croatia                     |          |    |    |    |    | 26. Ukraine             |   |        |    |    |   |
| 34. Zimbabwe                    |          |    |    |    |    | 27. Oman                |   |        |    |    |   |
| 35. Macedonia, FYR              |          |    |    |    |    | 28. Senegal             |   |        |    |    |   |
| 36. Malta                       |          |    |    |    |    | 29. Turkey              |   |        |    |    |   |
| 37. Trinidad and Tobago         |          |    |    |    |    | 30. Colombia            |   |        |    |    |   |
| 38. Belarus                     |          |    |    |    |    |                         |   |        |    |    |   |
| 39. Slovak Republic             |          |    |    |    |    | 31. Armenia             |   |        |    |    |   |
| 40. Russian Federation          |          |    |    |    |    | 32. Honduras            |   |        |    |    |   |
| 41. Kuwait                      |          |    |    |    |    | 33. Netherlands         |   |        |    |    |   |
| 42. Belgium                     |          |    |    |    |    | 34. Bahrain             |   |        |    |    |   |
| 43. United States               |          |    |    |    |    |                         |   |        |    |    |   |
| 44. Philippines                 |          |    |    |    |    | 35. Zambia              |   |        |    |    |   |
| 45. Costa Rica                  |          |    |    |    |    | 36. Brazil              |   |        |    |    |   |
| 46. Brunei Darussalam           |          |    |    |    |    | 37. Argentina           |   |        |    |    |   |
| 47. Cyprus                      |          |    |    |    |    | 38. Fiji                |   |        |    |    |   |
| 48. Madagascar                  |          |    |    |    |    | 39. Panama              |   |        |    |    |   |
| 49. Ghana                       |          |    |    |    |    |                         |   |        |    |    |   |
| 50. Norway<br>51. Malawia       |          |    |    |    |    | 40. Uganda              |   |        |    |    |   |
| 51. Malaysia<br>52. Spain       |          |    |    |    |    | 41. Guinea              |   |        |    |    |   |
| 53. Bosnia & Herzegovina        |          |    |    |    |    | 42. Tunisia             |   |        |    |    |   |
| 54. Czech Republic              |          |    |    |    |    | 43. Romania             |   |        | 1  |    |   |
| 55. Poland                      |          |    |    |    |    | 44. Singapore           |   |        | 1  |    |   |
| 56. Greece                      |          |    |    |    |    |                         |   |        |    |    |   |
| 57. Israel                      |          |    |    |    |    | 45. Albania             |   |        |    |    |   |
| 58. Chile                       |          |    |    |    |    | 46. United Kingdom      |   |        |    |    |   |
| 59. Iceland                     |          |    |    |    |    | 47. Dominican Republic  |   |        |    |    |   |
| 60. Barbados                    |          |    |    |    |    | 48. Nicaragua           |   |        |    |    |   |
| 61. Cote d'Ivoire               |          |    |    |    |    | -                       |   |        |    |    |   |
| 62. Saudi Arabia                |          |    |    |    |    | 49. Morocco             |   |        |    |    |   |
| 63. Guyana                      |          |    |    |    |    | 50. Ecuador             |   |        | 1  |    |   |
| 64. Bangladesh                  |          |    |    |    |    | 51. Moldova             |   |        | 1  |    |   |
| 65. Qatar                       |          |    |    |    |    | 52. Mauritius           |   |        | 1  |    |   |
| 66. Burkina Faso                |          |    |    |    |    |                         |   |        | 1  |    |   |
| 67. Venezuela, RB               |          |    |    |    |    | 53. Uruguay             |   |        | 1  |    |   |
| 68. Hungary                     | <b> </b> |    |    |    |    | 54. Namibia             |   |        | 1  |    |   |
| 69. Mali                        | •        |    |    |    |    | 55. Nigeria             |   |        | 1  |    |   |
| 70. Kenya                       | •        |    |    |    |    | 56. Peru                |   |        | 1  |    |   |
| 71. Canada                      | •        |    |    |    |    | 57. Serbia              |   |        | 1  |    |   |
| 72. South Africa                |          |    |    |    |    |                         | E |        | 1  |    |   |
| 73. Luxembourg                  |          |    |    |    |    | 58. Cameroon            |   |        | 1  |    |   |
| 74. New Zealand                 |          |    |    |    |    | 59. Botswana            |   |        | 1  |    |   |
|                                 | 0        | 10 | 20 | 30 | 40 |                         | 0 | 10     | 20 | 30 | 4 |

compare to what might be expected given their structural characteristics. This section does not provide a parallel analysis of breadth scores because whether or not countries should strive to increase their breadth scores must be analyzed on a country-by-country basis. There is no general presumption that higher breadth is always better.

**Figure 2.5** plots countries' actual depth scores (on the vertical axis) versus estimated depth scores based on their structural characteristics (on the horizontal axis). The structural characteristics on which these estimates are based are GDP per capita, population, remoteness, land-lockedness, and linguistic commonality (and their regression coefficients are reported in the fourth column of **Table B.5** in **Appendix B**). Thus, we account here for the influence of country size and other variables that are known to affect the intensity of international interactions, and do so based on impacts that are derived from the data rather than arbitrarily pre-specified. The impact of the size of countries' economies is decomposed into GDP per capita and population rather than simply GDP itself because of the different magnitudes of the effects associated with these factors.

The countries that are farthest above the diagonal line are those that outperformed predictions based on their structural characteristics the most, and the countries farthest below the line are the countries that underperformed the most. The 10 countries with the largest outperformance and underperformance are labeled.

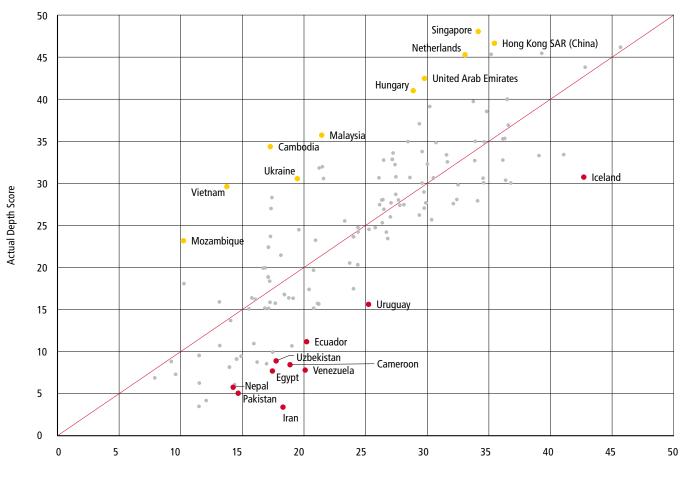
Before discussing the results of this analysis, it is important to recognize that "outperformance" and "underperformance" here are only relative to historically observed levels of globalization, not relative to potential levels. As discussed in **Chapter 1**, the world's depth of global connectedness remains limited in absolute terms, with substantial headroom to grow. Even the Netherlands, the world's most globally connected country and an outperformer relative to expectations based on its structural conditions, could still become more deeply connected. So, the true "connectedness possibility frontier" can be thought of as lying above the line traced out by the outperformers in the figure.

The five countries with the largest outperformance versus structural estimates are, in descending order, Cambodia, Vietnam, Malaysia, Singapore, and Mozambique. The top four are all located in Southeast Asia, a region where countries tend to have unusually high scores on the trade pillar. At the region level, countries in Southeast Asia benefit from linkages with wider Asian supply chain networks as well as ASEAN policy initiatives promoting regional economic integration. However, country level policies have also played important roles in boosting these countries' depth scores. Singapore is discussed briefly in **Chapter 3**, since in addition to ranking first on depth at the country level, it is also the top-ranked city on both of the city-level globalization indexes presented in that chapter. And for an extended case study on how Vietnam, since 1989, leveraged deepening its international integration to rapidly grow from ranking as the second poorest country in the world to middle income status, see Chapter 4 of the *DHL Global Connectedness Index 2012*.

Mozambique's outperformance, in contrast to its Southeast Asian counterparts, was driven primarily by inward FDI and secondarily by trade. While Mozambique is still among the world's poorest countries, with a GDP per capita of only about \$500 at market exchange rates, it ranked fifth worldwide on FDI inflows depth and eighth on inward FDI stock. Between 2005 and 2015, its inward FDI stock grew tenfold, and its depth on this measure quintupled. On merchandise and services imports depth, Mozambique ranked among the top 30 countries. Those high ranks reflect Mozambique's strategy of inviting foreign participation in mega-projects, particularly in natural resources and infrastructure.<sup>14</sup>

The remaining countries among the top 10 outperformersthe United Arab Emirates, the Netherlands, Hungary, Hong Kong SAR (China), and Ukraine exemplify a variety of other paths to surpassing expectations based on countries' structural characteristics. The United Arab Emirates, the Netherlands, and Hong Kong all serve as major hubs linking countries within their respective regions to each other and to the rest of the world. These three economies play leading roles in trade networks, but have varying positions on the other pillars of the index. The United Arab Emirates stands out for its informational connectedness (ranking 5th on this depth pillar) as well as for having the largest proportion of its population born abroad. The Netherlands complements its trade connections with capital market ties (ranking 5th on capital pillar depth). For a case study on the Netherlands' global connectedness, see Chapter 4 of the DHL Global Connectedness Index 2012. Hong Kong's high depth is balanced across the trade, information, and people pillars (on which it ranks 2<sup>nd</sup>, 1<sup>st</sup>, and 3<sup>rd</sup>, respectively), but with a disproportionate focus on flows to and from Mainland China.

Hungary's outperformance is driven by the trade pillar, on which it ranks 5<sup>th</sup> on depth. Since its transition from central planning to a market economy, Hungary has become tightly integrated into European production networks. In



#### FIGURE 2.5 // ACTUAL DEPTH SCORES VERSUS DEPTH SCORES ESTIMATED BASED ON STRUCTURAL CHARACTERISTICS

Estimated Depth Score based on Structural Characteristics

The four countries with the largest outperformance versus depth scores estimated based on their structural characteristics are all located in Southeast Asia: Cambodia, Vietnam, Malaysia, and Singapore.

2004, Hungary became a member of the European Union, and nearly 90% of Hungary's 2015 exports were directed towards other countries within Europe.<sup>15</sup> And while Ukraine does not hold a leading position on any of the pillars of the index, it outperformed on depth across all four of them in 2015.

The ten countries that most lagged estimates based on structural factors vary widely in terms of size, income, and geographic characteristics. They are, in ascending order, Iran, Venezuela, Iceland, Cameroon, Egypt, Uruguay, Pakistan, Ecuador, Uzbekistan, and Nepal. Many of these countries face unique challenges, such as the international sanctions regime applied to Iran, the present political and economic turmoil in Venezuela, and Iceland's continuing recovery from a major financial crisis.

#### Changes in Country Level Connectedness, 2013-2015

Turning to how specific countries' levels of connectedness and ranks shifted from 2013 to 2015, 75 countries increased their absolute levels of connectedness while 38 saw their levels of connectedness decline (and 27 were unchanged).<sup>16</sup> **Table 2.1** lists the countries with the largest increases and decreases in both their scores (which reflect changes in absolute levels of connectedness) and their ranks (reflecting changes in relative levels of connectedness).

The largest gains over the period 2013–2015 in terms of absolute levels of connectedness (scores) were posted, in decreasing order, by Suriname, Jamaica, Oman, Fiji, Macau SAR (China), Portugal, Mexico, Mozambique, Bahrain, and Madagascar.

#### TABLE 2.1 // LARGEST CHANGES IN SCORES AND RANKS FROM 2013 TO 2015

#### Largest Increases

| Country           | Score Change |
|-------------------|--------------|
| Suriname          | 9            |
| Jamaica           | 9            |
| Oman              | 8            |
| Fiji              | 8            |
| Macau SAR (China) | 6            |
| Portugal          | 6            |
| Mexico            | 5            |
| Mozambique        | 5            |
| Bahrain           | 5            |
| Madagascar        | 5            |
|                   |              |

| ountry            | Rank Change |
|-------------------|-------------|
| Suriname          | 23          |
| Jamaica           | 22          |
| Fiji              | 20          |
| Oman              | 18          |
| Macau SAR (China) | 18          |
| Mexico            | 17          |
| Bahrain           | 13          |
| Mozambique        | 12          |
| Madagascar        | 10          |
| Senegal           | 10          |
|                   |             |

| Largest Decreases |              |                     |             |
|-------------------|--------------|---------------------|-------------|
| Country           | Score Change | Country             | Rank Change |
| Yemen             | -9           | Nigeria             | -28         |
| Nigeria           | -7           | Тодо                | -21         |
| Venezuela         | -6           | Nicaragua           | -19         |
| Тодо              | -5           | Venezuela           | -15         |
| Mali              | -5           | Kazakhstan          | -13         |
| Burkina Faso      | -5           | Costa Rica          | -13         |
| Nicaragua         | -4           | Trinidad and Tobago | -13         |
| Kazakhstan        | -4           | Egypt               | -12         |
| Costa Rica        | -4           | Ethiopia            | -10         |
| United Kingdom    | -3           | Russia              | -9          |

Suriname's position as the country with the largest increase in its overall global connectedness score (pushing it up from the 112<sup>th</sup> rank to the 89<sup>th</sup>) was driven by a substantial broadening of its international interactions, rising from 138<sup>th</sup> to 108<sup>th</sup> on the breadth dimension. From 2013 to 2015, the intra-regional share of Suriname's merchandise imports fell from 39% to 20% and the intra-regional share of its merchandise exports declined from 11% to 7%. Suriname's top three export partners in 2015 were Switzerland, the United Arab Emirates, and India, while its largest destination in its own region, Jamaica, ranked 10<sup>th</sup>.

Jamaica, the country with the second largest gain, from 107<sup>th</sup> rank to 85<sup>th</sup>, increased both the depth and the breadth of its global connectedness. On depth, its gains were driven by the capital pillar, where its rank improved from 62<sup>nd</sup> to 40<sup>th</sup>. On breadth, the increase was concentrated in the trade pillar, on which its rank rose from 122<sup>nd</sup> to 101<sup>st</sup>. Oman, the

country with the third largest gain in global connectedness, increased from 64<sup>th</sup> rank in 2013 to 46<sup>th</sup> in 2015. Its gains were driven by both depth and breadth. Oman's largest gain was on the trade pillar, rising from 60<sup>th</sup> place to 24<sup>th</sup>.

Mexico is the largest country among those ranking in the top 10 on increases in levels of connectedness between 2013 and 2015, with increases on both the depth and the breadth dimensions of the index. Mexico's gains on the depth dimension were driven primarily by merchandise trade. Its merchandise exports and imports depth ranks both increased, from 61<sup>st</sup> to 42<sup>nd</sup> on exports and from 82<sup>nd</sup> to 62<sup>nd</sup> on imports. Its trade breadth, however, remained limited, ranking 82<sup>nd</sup> overall, due to its large trading relationship with the United States: in 2015, 81% of Mexico's exports went to the US and 47% of its imports came from the US. On breadth, Mexico reported increases on both the trade and the capital pillars.

The countries with the largest absolute declines in global connectedness were, starting with the largest decline, Yemen, Nigeria, Venezuela, Togo, Mali, Burkina Faso, Nicaragua, Kazakhstan, Costa Rica, and the United Kingdom. The decline in Yemen's global connectedness was driven by the trade pillar, where Yemen's rank fell from 105th to 130th. Although the crisis in Yemen began in 2011, it was between 2014 and 2015 that its trade sank. Its merchandise exports depth plunged from 21% to 3% between 2013 and 2015, dropping in the rankings from 96th to last. Additionally, Yemen's trade breadth plummeted from 83<sup>rd</sup> to 116<sup>th</sup>. The intra-regional proportion of Yemen's merchandise imports rose from 28% to 44%. Yemen's ongoing civil war has clearly had a strongly negative impact on the country's level of global connectedness. A naval blockade, in particular, substantially disrupted Yemen's international trade.

Nigeria, the country with the second largest score decrease, dropped from 67<sup>th</sup> to 95<sup>th</sup> place overall. This was driven primarily by the breadth dimension, on which Nigeria fell from 26<sup>th</sup> to 42<sup>nd</sup>. The breadth of Nigeria's merchandise exports in particular dropped from 38<sup>th</sup> to 81<sup>st</sup>. Slumping oil prices presumably played a role in shifting both the composition and the geographic distribution of Nigeria's merchandise exports, although available data are not yet sufficient to confirm this as the principal cause.

The United Kingdom is the largest economy that appears on the list of countries with the largest decreases, highlighting how the UK's global connectedness began to decline well before the Brexit vote. It has been on a falling trend since 2012, and its decline between 2013 and 2015 was driven by depth on the capital and trade pillars. At the component level, the greatest contributor was large negative FDI outflows in both 2014 and 2015.

Turning to other large economies that were neither among the largest gainers nor decliners in terms of global connectedness, the United States' rank remained stable at 27<sup>th</sup> place, with its score also unchanged. As discussed in Chapter 1, the United States experienced a spike in FDI inflows during 2015 (due in substantial part to large corporate inversions). FDI inflows rose from 7% of US gross fixed capital formation in 2013 (and 3% in 2014) to 11% in 2015. However, because we smooth capital flows over three years in our country-level analysis, the overall results for the US indicate a basically stable level of connectedness.

China's global connectedness rank declined from 65<sup>th</sup> in 2013 to 68<sup>th</sup> in 2015, reflecting, in particular, a declining rank on the trade pillar as China continued to rebalance its

economy away from export-led growth and toward greater reliance on domestic consumption. China's merchandise exports depth peaked at 35% of GDP in 2006 before starting to decline. It reached 21% in 2015. China's rank on the breadth dimension remained constant at 16.

Japan's overall global connectedness rank improved by one place, from 39<sup>th</sup> in 2013 to 38<sup>th</sup> in 2015, while its score rose two points. Japan's score increase was driven more by depth than breadth, with contributions from components across the trade and capital pillars.

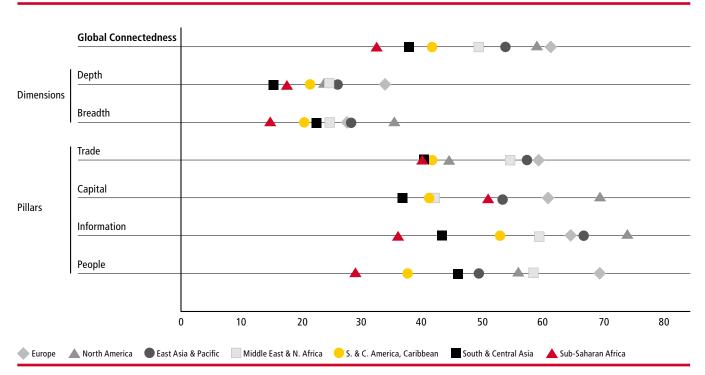
Moving beyond the world's three largest economies to look at the other BRIC countries, Brazil increased its overall connectedness 3 points by gaining 3 points on the trade pillar, 5 points on the capital pillar, and 1 point on the people pillar. Russia's overall score decreased by 1 point. A gain on the trade pillar partially offset declines on the other three pillars. This relative stability is somewhat surprising in light of international sanctions against Russia beginning in February 2014. India decreased its overall connectedness by 1 point, due mainly to a 3 point loss on the trade pillar. Smaller declines on the information and people pillars were partially offset by an increase on the capital pillar. Relatively stable global connectedness in the BRIC countries kept this set of economies in the middle of the pack on overall connectedness, with all four ranking between 57th and 78th out of the 140 countries covered in the index.

This section was able to highlight only a small number of countries because there are too many for each to be covered. The next section attempts to achieve comprehensiveness by aggregating countries into a relatively small number (seven) of regions.

#### **Regional Differences in Global Connectedness**

As described in **Chapter 1**, international interactions are dampened by geographic distance as well as other types of cross-country differences. The majority of most types of international activity, therefore, takes place within rather than between roughly continent-sized regions. This pattern suggests that countries' levels of global connectedness should be assessed not only on a global basis but also in relation to the integration of the relations in which they are located.

This section begins by introducing a set of comparisons among regions, and then delves into discussion of connectedness patterns in each of the world's regions. Note that the regional analysis of global connectedness, depth, and breadth scores that follows is based on simple averages of scores across the countries in each of the regions, so



#### FIGURE 2.6 // REGIONAL AVERAGE SCORES, 2015

Europe is the world's most globally connected region, followed by North America and East Asia & Pacific. Europe leads on the trade and people pillars, and North America leads on the capital and information pillars.

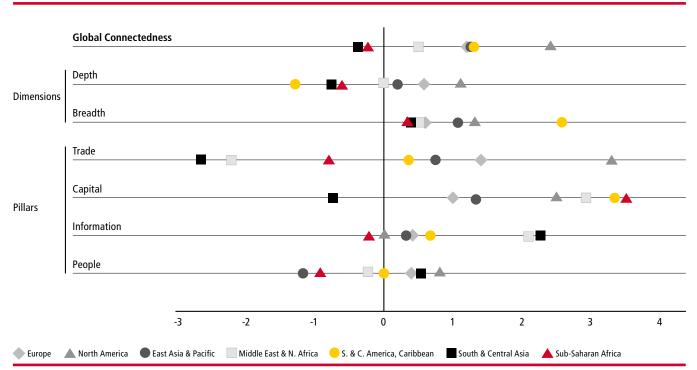
what are described for compactness as comparisons among regions reflect, more precisely, comparisons among average countries within the regions.

The classification of countries into regions employed for this analysis is shown in **Table B.6** in **Appendix B**. We developed these classifications for the DHL Global Connectedness Index based on the World Bank's regions, with the most significant adjustment being our grouping of Central Asia together with South Asia, whereas the World Bank groups Central Asia together with Europe.<sup>17</sup> In a new analysis relating regional boundaries to patterns of international interactions, the DHL Global Connectedness Index regions outperformed five other region classification schemes.<sup>18</sup>

Figure 2.6 displays average global connectedness, depth, breadth, and pillar scores for countries in each region. In terms of overall global connectedness, countries in Europe average the highest levels of connectedness followed closely by those in North America. East Asia & Pacific and Middle East & North Africa come next, and are followed at some distance by South & Central America & Caribbean, South and Central Asia, and Sub-Saharan Africa. Consistent with patterns described in the first section of this chapter, wealthier regions average higher levels of global connectedness than poorer ones. Countries in the four most connected regions average five times the GDP per capita of countries in the three least connected regions.

**Figure 2.7** shows the average changes in scores from 2013 to 2015 for each of the regions. It shows that North America had the largest gain in overall global connectedness during the past two years, followed at some distance by South & Central America & the Caribbean, East Asia & Pacific, and Europe. It also reveals that South & Central Asia and Sub-Saharan Africa were the only two regions to suffer a drop in their average levels of global connectedness.

To understand more clearly what global connectedness means to different regions, it is useful to compare regions' average depth scores and the intra-regional proportions of their international flows, as shown in **Figures 2.8 and 2.9**. This juxtaposition suggests, first of all, that while depth and breadth at the country level are only weakly correlated (the correlation coefficient between countries' depth and breadth scores in 2015 was only 0.18), there seems to be a somewhat stronger association between regions' average depth scores and the intra-regional share of their international flows. The same regions often lead (and lag) across



#### FIGURE 2.7 // REGIONAL AVERAGE CHANGES IN SCORES, FROM 2013 TO 2015

Countries in North America averaged the largest increases in global connectedness scores from 2013 to 2015. Sub-Saharan Africa and South & Central Asia were the only regions where the average country's score declined.

both charts. Regional integration has been an essential part of rather than an alternative to global integration.

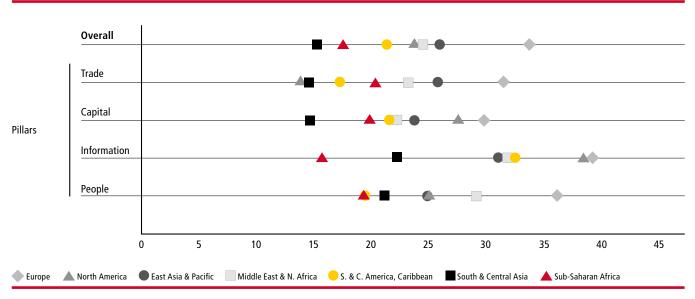
A second point from Figure 2.9 in particular is the magnitude of the differences across regions in their proportions of intra-regional flows. The high proportion of intra-regional flows globally was noted above, but is far from uniform across regions, which suggests that "international" takes on a distinct meaning in different parts of the world. Consider, for example, the contrast on the trade pillar between Europe and South & Central Asia. Across European countries, the average intra-regional share of trade flows is 76% whereas the same metric averages only 21% across South & Central Asian countries. For European countries, "international" is best understood first and foremost as the rest of Europe, whereas for South & Central Asian countries, it necessarily includes distant countries as well as neighbors.

And finally, a third important point from Figure 2.9 is the correlation between levels of intra-regional integration and prosperity. Intra-regional integration takes advantage of the many types of cultural, administrative/political, geo-graphic, and economic ("CAGE") proximity and similarity among neighboring countries that can ease international interactions.<sup>19</sup> While the prosperous North American

region might initially seem like an exception to this pattern with its moderate level of regionalization, that largely reflects how this region is composed of only three countries among which one (the United States) is disproportionately large (87% of the region's GDP). Those characteristics naturally reduce the intra-regional share of this region's international flows.

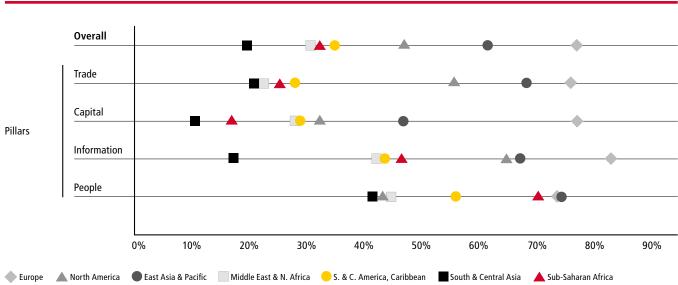
Looking at global connectedness region-by-region, *Europe* is the world's most globally connected region, reflecting both its structural characteristics (many wealthy countries in close proximity) as well as decades of policies aimed at promoting integration via the European Union (EU) and its predecessors. Europe leads specifically on the depth dimension and on the trade and people pillars, but its overall strength is reflected by the fact that it, uniquely, ranks in the top three on all of the pillars.

Europe's strength across the pillars of the DHL Global Connectedness Index is supported by the pillars' close correspondence to core principles of the EU. Three pillars (trade, capital, and people) are addressed directly by the EU's "four freedoms," specifically free movement of goods, capital, services, and people.<sup>20</sup> The remaining pillar, information, is included in the EU's Copenhagen Criteria for accession to



#### FIGURE 2.8 // REGIONAL AVERAGE DEPTH SCORES BY PILLAR, 2015

Europe leads by a wide margin on overall global connectedness depth, and is the top ranked region on all four depth pillars.

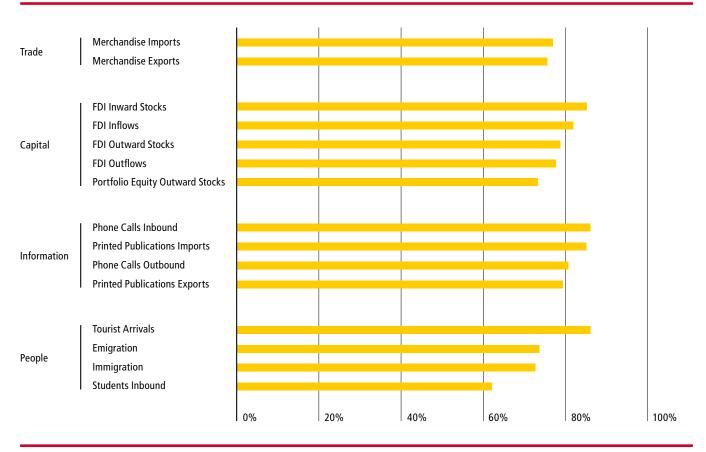


#### FIGURE 2.9 // REGIONAL AVERAGE INTRA-REGIONAL SHARE OF FLOWS BY PILLAR, 2015

The wide gulf between the countries with the highest and lowest intra-regional shares of their international interactions reveals "globalization" to be a very distinct phenomenon in, for example, Europe, where international connectedness primarily involves ties to other European countries, versus South & Central Asia, where intra-regional ties barely register.

the Union, based on which "the EU makes press freedom one of the main criteria for accession."<sup>21,22</sup>

The average level of global connectedness across European countries increased from 2013 to 2015, as did European countries' scores on both the depth and the breadth dimensions. However, the UK's vote to leave the EU and rising Euroscepticism in other countries raise concern about the future of regional integration as a driver of global connectedness in Europe. In this context, it is worth emphasizing that Europe has the highest proportion of intra-regional flows, which suggests that this is also the region with the most at risk from a potential unwinding of regional integration. Across all four pillars of the index, more than 70% of the average European country's international activity involves interactions with other countries within Europe.



#### FIGURE 2.10 // INTRA-REGIONAL SHARE OF EUROPEAN COUNTRIES' INTERNATIONAL FLOWS 2015 OR MOST RECENT

The average intra-regional share of international interactions across European countries ranges from 62% (inbound international students) to 86% (international tourist arrivals). Such high levels of regionalization provide a reminder of how much is at stake if Europe reverses course on regional integration.

Regionalization in Europe at the level of individual components of the index is summarized in Figure 2.10.

North America holds the second place ranking in overall global connectedness, leading by a wide margin on breadth while ranking in the middle on depth. This reflects both the overall high level of economic development in North America (defined here as the members of the North American Free Trade Agreement or NAFTA: the United States, Canada, and Mexico) as well as the fact that all three countries in this region have relatively large populations. Recall that countries with larger populations tend to have higher breadth scores and lower depth scores. The United States, Mexico, and Canada rank 3<sup>rd</sup>, 10<sup>th</sup>, and 38<sup>th</sup> globally in terms of the sizes of their populations.

North America is the leading region on the capital and information pillars, ranks third on the people pillar, and ranks fourth on the trade pillar (where it ranks last on depth). North America's poor showing on trade depth in particular suggests the importance of sustaining and building upon NAFTA (rather than weakening it) as well as promoting exports beyond NAFTA (exports being emphasized for this region in particular given persistent trade deficits in the region's largest economy, the United States).

While both deals face significant hurdles, if they can be pushed to fruition, the Trans-Pacific Partnership (TPP) and Transatlantic Trade and Investment Partnership (TTIP) could help boost North America's trade and capital flows. The TPP negotiations involve all three NAFTA members, and could strengthen North America's connectedness to key economies in both East Asia and South America. TTIP would bring the United States into a free trade agreement with the EU, while CETA, the concluded (though not yet ratified) agreement between Canada and the EU, along with the existing trade agreement between Mexico and the EU, could create a transatlantic free trade region.

*East Asia & Pacific* averaged the third highest level of overall global connectedness, and ranked second on both depth and breadth. This region is strongest on the trade



and information pillars (on which it is the second ranked region). Countries in East Asia & Pacific also average the second highest intra-regional share of their international flows. This result is somewhat surprising given the relatively limited institutional infrastructure for regional integration in East Asia & Pacific. However, countries in this region have in the large part pursued export oriented economic development strategies, complemented by private sectorled development of integrated multi-country supply chains across the region.

Middle East & North Africa ranked fourth in overall connectedness, placing third on depth and fourth on breadth. While the region's connectedness on the depth dimension decreased very slightly from 2013 to 2015, this was offset by an increase on breadth, resulting in a positive overall change in global connectedness over the two-year period. One aspect of the Middle East & North Africa's results that raises concern is its very low intra-regional integration across all four pillars.

South & Central America & the Caribbean ranked third to last overall and on depth, and second to last on breadth. This region's combination of low breadth scores and low intra-regional integration reflects a pattern where countries in the region have narrow ties to specific countries outside of the region, the United States being the most prominent example. In terms of pillar scores, South & Central America & the Caribbean ranks next-to-last on capital and people, and third-to-last on trade and information.

South & Central Asia lags across nearly all aspects of global connectedness. This region ranks last on depth and third from last on breadth. Furthermore, its relatively higher breadth than depth is a reflection of the poor levels of integration within the region, depressed in particular by the animosity between South Asia's two largest economies, India and Pakistan. South & Central Asia is also the region across which countries averaged the largest declines in global connectedness from 2013 to 2015, and one of only two regions where the average country's level of connectedness fell over this period.

Finally, *Sub-Saharan Africa* ranks last, with scores that reflect its limited connectedness across the board, and is the other region where countries' global connectedness scores decreased on average from 2013 to 2015. The region ranked last on breadth and second to last on depth. The only pillar on which Sub-Saharan Africa did not rank last was capital, where the region had the largest increase in connectedness between 2013 and 2015.

## 2. HOW GLOBALIZED ARE INDIVIDUAL COUNTRIES AND REGIONS? CONCLUSION

This chapter has compared the global connectedness of countries and regions around the world. The world's most connected countries based on this year's DHL Global Connectedness Index are the Netherlands, Singapore, Ireland, Switzerland, and Luxembourg. The least connected countries are Burundi, Uzbekistan, Mali, Myanmar, and Rwanda. The countries with the largest increases in their global connectedness scores from 2013 to 2015 are Suriname, Jamaica, Oman, Fiji, and Macau SAR (China).

Wealthier countries tend to be more globally connected in terms of both depth and breadth. Countries with larger populations tend to score higher on breadth but lower on depth. Sharing a common language with other countries is positively associated with connectedness, and geographic remoteness and being landlocked are negatively associated with global connectedness.

Those structural factors influence but do not strictly determine countries' levels and patterns of connectedness. This chapter also provided an analysis of countries' actual depth scores as compared to predictions based on their structural characteristics and discussed the countries whose depth scores exceeded what would be expected given their structural conditions by the largest amount. Four of the five countries with the largest "outperformance" on this metric were located in Southeast Asia.

Europe is the top-ranked region in terms of overall global connectedness and also leads on the trade and people pillars. North America is the most connected region on the capital and information pillars, and was also the region with the largest increase in connectedness scores from 2013 to 2015.

Country rankings such as those presented in this chapter naturally and appropriately draw attention to relative comparisons among countries—celebrating the "winners" and raising questions for the countries toward the bottom of the ranking tables. However, the real power of the DHL Global Connectedness Index lies in its utility for business and public policy analysis.

Business executives can use the country-level results of the DHL Global Connectedness Index as inputs to prioritize international markets, investment destinations, and sourcing locations, as follows:

- Identify What Types of Connectedness Matter Most for Your Company: Start by thinking through what kinds of connectedness matter most in your industry, and then from there, identify what is most relevant for your company in light of the strategy it is pursuing. If you are planning to source manufactured products for global markets, look at the depth and breadth of merchandise exports. If you are thinking of investing in the media sector, look at inward FDI and information flows. And so on.
- Compare Depth Scores and Trends: For doing business across borders, countries with deeper connectedness generally present lower barriers to entry, easing your access to the market. However, such countries also welcome your rivals, implying a greater need to worry about tough competition. And countries that have relatively lower scores but are rising quickly in the rankings can also be particularly attractive.
- Compare Breadth Scores and Trends: Countries with high scores on depth but low scores on breadth are connected only to a narrow set of partner countries. Depending on where you are coming from, think carefully about whether to enter these countries directly or via one of their key trading partners. Countries that lead in terms of both depth and breadth are often good candidates to serve as regional hubs.

- Consider Directionality: Take note if a country's connectedness is biased toward inward or outward directionality. For example, South Korea's strengths in particular technology fields naturally draw the interest of foreign firms, but a more careful look at its FDI depth scores will reveal a strong bias toward outward investment, reflecting the much greater prevalence of Korean companies investing abroad relative to foreign companies investing in Korea.
- Account for Distance Effects and Company Capabilities: Keep in mind that the relative ease or difficulty with which you can access foreign countries depends not only on their connectedness, but also on how far or different they are from your home base or other countries where you are comfortable operating, as well as your company's capabilities to bridge such distances.
- Perform Competitive Analysis: Review the connectedness profile of your company's home country and compare it to the profiles of your major competitors' home bases. What do such patterns imply about the relative strengths and weaknesses that each company inherits from its national context? Do they suggest strengths to exploit or weaknesses to remedy?

Public policymakers can use the material in this report to identify and prioritize untapped opportunities to capture greater benefits from global connectedness. More specifically:

- Benchmark Levels of Connectedness: Compare your country's scores to those of other countries that you feel represent an appropriate reference group. Typically, it is useful to compare levels of connectedness versus neighbors, countries with similar levels of economic development, countries of a similar size in terms of GDP or population, and countries that you otherwise deem to be important partners or rivals.
- Analyze Your Country's Connectedness Trends: Track your country's scores over time to see if it is becoming more or less connected. Remember that scores reflect absolute levels of connectedness (after percentiles normalization), while ranks reflect levels of connectedness in comparison to other countries.

- Compare Scores across Flows, Dimensions, and Directions: Looking across the 12 components of the index in terms of depth, breadth, and directionality, no country ranks even in the top half across every aspect of connectedness covered in this report. Relative comparisons both within and among countries can help identify areas to target for improving connectedness.
- Benchmark Policy Enablers of Connectedness: Each country profile provides data on a set of policy metrics that may help countries deepen their global connectedness. Benchmarking scores on these measures can help identify policy initiatives that merit further study. An even wider range of policy measures are discussed in Chapter 5 of the DHL Global Connectedness Index 2011.
- Understand Structural Enablers and Barriers to Connectedness: Some factors that influence connectedness are beyond a country's direct control. A large landlocked country faces very different challenges in terms of fostering connectedness than a small country built around a port on a major shipping lane. Structural drivers and barriers, listed in the country profiles in Part II of this report, provide useful perspective to inform crosscountry comparisons and can help guide policy customization.

While the focus of this chapter has been on analysis at the country level, major cities around the world have also prioritized global connectedness as central to their policy visions. The next chapter turns to the analysis of "global cities" and introduces two new city-level indexes capturing the distinct roles that "globalization hotspots" and "globalization giants" contribute to global connectedness.

# 2. HOW GLOBALIZED ARE INDIVIDUAL COUNTRIES AND REGIONS? **NOTES**

- 1 The Hong Kong and Macau Special Administrative Regions (SARs) of the People's Republic of China, as well as Taiwan (China), are treated as separate economic areas from Mainland China. China, throughout this report, refers to Mainland China. This treatment reflects the way data on these areas are covered in our primary data sources, i.e. with data for Hong Kong, Macau, and Taiwan reported separately from Mainland China in light of their maintenance of distinct economic systems and economic statistics, separate customs areas, separate immigration controls, etc. These territories were also deemed important to include in the index due to the sizes of their economies: Taiwan ranks 22nd globally on GDP in US dollars at market exchange rates (between Argentina and Sweden), Hong Kong ranks 34th (between South Africa and the Malaysia), and Macau ranks 84th (between Croatia and Tanzania). The term "countries" is used throughout this report to refer to all of the countries and territories in the index, thus encompassing Hong Kong, Macau, and Taiwan, as well as all of the other economies that are covered.
- 2 Since this edition of the index introduces a 5-year limit on repetition of data to fill gaps in a series (refer to Chapter 4 for details), the available variables based on which a country's scores are computed can change over time. For the country profile trend charts in Part II, when changes in the available variables have a substantial impact, we restrict the years shown to only those where data availability does not meaningfully affect the results. In Appendix A, all scores and ranks are shown, regardless of the impact of changes in data availability over time.
- 3 The current IMF country classifications are reported at https://www.imf. org/external/pubs/ft/weo/2016/01/weodata/weoselagr.aspx.
- 4 These estimates are based on the regression reported in Column 2 of Table B.5 in Appendix B.
- 5 Based on the World Bank's income classifications, which are reported at http://data.worldbank.org/about/country-and-lending-groups.
- 6 The region classifications employed here are shown in Table B.6 in Appendix B and discussed in the final section of this chapter.
- 7 Among countries on the African continent itself, South Africa holds the highest rank (47th).
- 8 While landlockedness was not statistically significant in the depth regression reported in Appendix B, it was significant in an alternative specification in which the dependent variable was in log form.
- 9 With respect to merchandise exports, larger countries have greater breadth than smaller countries in terms of both destinations and industries, a regularity that is documented and rationalized theoretically in Pankaj Ghemawat and Morten Olsen, "Country Size and Export Breadth," Unpublished Working Paper, IESE Business School, 2016.
- **10** Due to limitations in availability of directional data, the following components are excluded from analysis of directional flows: international internet bandwidth (depth), portfolio investment (breadth), students (breadth), and tourists (breadth).
- 11 This relationship was analyzed in Chapter 4 of the DHL Global Connectedness Index 2011.
- 12 Pankaj Ghemawat, *World 3.0: Global Prosperity and How to Achieve It* (Harvard Business Review Press, 2011) reviews how traditional models underestimate the benefits of deeper global connectedness, and then devotes seven chapters to addressing concerns about potential harms associated with globalization.
- 13 As discussed in Chapter 4, the design of the index has sought to exclude international interactions that are generally viewed as harmful rather than beneficial on a global net basis.

- 14 James Zhan, "Making Foreign Investment Work: Lessons from Mozambique," *The Guardian*, July 30, 2013. http://www.theguardian.com/globaldevelopment-professionals-network/2013/jul/30/mozambique-foreigndirect-investment-unctad.
- **15** Including both EU members and other countries within the continent of Europe.
- 16 Based on scores rounded to the nearest whole number.
- 17 We made that adjustment to align our Europe category somewhat more closely with the European Union and countries with strong linkages to it.
- 18 Pankaj Ghemawat and Steven A. Altman, "Geographic Distance and Regionalization," Chapter 10 in Pankaj Ghemawat, *The Laws of Globalization and Business Applications*, Cambridge University Press, 2017. The other region classifications tested range from the UN's twenty-two M49 subregions to the three "Broad Triad" regions employed in Alan M. Rugman and Alain Verbeke, "A Perspective on the Regional and Global Strategies of Multinational Enterprises," *Journal of International Business Studies*, 35(1), 2004.
- 19 These categories correspond to those in the CAGE Distance Framework, which was introduced in Pankaj Ghemawat, "Distance Still Matters: The Hard Reality of Global Expansion," *Harvard Business Review*, September 2001. For a detailed discussion of the phenomenon of regionalization and how it relates to CAGE Distance, refer to Pankaj Ghemawat and Steven A. Altman, "Geographic Distance and Regionalization," Chapter 10 in Pankaj Ghemawat, *The Laws of Globalization and Business Applications*, Cambridge University Press, 2017.
- 20 Note that the "four freedoms" also apply beyond the EU to the other member countries of the European Economic Area (EEA): Iceland, Liechtenstein, and Norway.
- 21 Institute for Intercultural Diplomacy, "The Berlin International Freedom of Expression Forum: Censorship and Freedom in Traditional and New Media: The Revolution of Media as a tool of Freedom of Expression," Presentation at the Berlin International Conference, February 28-March 2, 2012.
- 22 For more discussion of policies that contribute to connectedness in Europe (and what could be lost if European integration were to go into reverse), refer to the case study of the Netherlands in Chapter 4 of the DHL Global Connectedness Index 2012.

## CHAPTER 3 GLOBAL CITIES: HOTSPOTS AND GIANTS

Cities have been widely celebrated for their outsized contributions to economic and cultural development. Urban economist Edward Glaeser has hailed cities as humanity's greatest invention and written of their power to make us "richer, smarter, greener, healthier, and happier."<sup>1</sup> And rising interest in cities is also propelled by urbanization itself: for the first time in human history, more people now live in cities than in rural areas.<sup>2</sup>

Globalization remains more limited than urbanization and more subject to reversals—but the alignment of these two macro-trends in the latter part of the 20th century gave rise to intense interest in the phenomenon of global cities. Today, the enthusiasm among civic leaders to position their cities as global centers appears to be undimmed, despite the anxiety about globalization itself discussed in Chapter 1. Leaders of major cities in every region of the world have proclaimed "global city" status as central to their policy visions, as exemplified by the quotes captured in Figure 3.1.

Which cities are the most global, and what types of activity propelled them to that status? We provide a novel take on this question by introducing two citylevel globalization indexes: Globalization Hotspots and **Globalization Giants. The Globalization Hotspots index** parallels the depth dimension of the country-level DHL Global Connectedness Index by comparing cities' international trade, capital, information, and people flows to corresponding measures of intra-city activity. It reveals which cities are most intensively internationalized. The **Globalization Giants index focuses on absolute flows** rather than intensities (i.e., does not normalize by intracity activity). While these new indexes cover the same four pillars as the DHL Global Connectedness Index, different (and fewer) component measures are used due to more limited availability of city-level data.<sup>3</sup> For the same reason, it is infeasible to calculate city-level analogues to the country-level breadth measures.

This chapter begins by reviewing the rising interest in global cities and discussing prior rankings of cities' globality. The shortcomings of prior analyses motivate our development of the Globalization Hotspots and Globalization Giants indexes, which are described next. We then proceed to report and discuss the results of our new indexes. Finally, the chapter concludes with policy and business implications.

#### **Global Cities**

The interest in global cities draws together the two macrotrends of urbanization and globalization, tracked using selected indicators in **Figure 3.2**.<sup>4</sup> In 1986, John Friedmann explicitly linked the study of urbanization to global economic forces in his "World City Hypothesis."<sup>5</sup> Friedmann observed that "key cities throughout the world are used by global capital as 'basing points' in the spatial organization and articulation of production and markets. The resulting linkages make it possible to arrange world cities into a complex spatial hierarchy." He also drew attention to how the extent of cities' integration into international economic activity affects the internal structure of the cities themselves.<sup>6</sup>

Saskia Sassen, in her 1991 book, *The Global City*, argued that the changing configuration of economic activity around the world had brought about the arrival of a new type of city<sup>7</sup>, which she termed the "global city" to distinguish it from "world cities" that thrived in earlier periods, such as Europe's capitals at the height of the colonial era.<sup>8</sup> Sassen also highlighted the role of global cities as command points in the organization of economic activity, and drew attention to the specialized services, production, innovation, and markets concentrated within them.

As urbanization and globalization have advanced, the scope for cities to play the sort of roles in anchoring international economic activity envisioned by Friedmann and Sassen has expanded. However, it is important to recall the emphasis

#### FIGURE 3.1 // **QUOTES BY MAJOR CITY MAYORS ON GLOBAL CITY ASPIRATIONS<sup>9</sup>**

#### New York, Bill de Blasio (2016)

Portland, Sam Adams (2013)

global city in the world."

"This is within our power-to be the smartest, scrappiest, most fun, small

Chicago, Rahm Emanuel (2013)

cultural assets. Only then will Chicago

be able to live up to its potential as the

Bogotá, Enrique Peñalosa (2015)

be increasing the quality of life in cities: only by

improving our quality of life, it will be possible to

and tourists that generate the global city we

global city that it should be."

aspire to have."

"We must innovate for the future in all our neighborhoods, always pushing the envelope for new ways to keep New York the greatest global city of the 21st century."

#### London, Sadiq Khan (2016)

"London's fundamental strengths, its deep international talent pool, its global trading links and its cosmopolitan, vibrant culture will always remain intact... London is open for business. We are a truly global city."

#### Moscow, Sergei Sobyanin (2014)

"Moscow is a successful global city placing second among all metropolitan cities in terms of development dynamics. We are competing for the brains, for the intellect, for those who won't stay in Russia if they don't want to stay in Moscow."

#### Tehran, Mohammad Bagher Qalibaf (2015) "Our approach is to introduce Tehran as a global city."

Seoul, Oh Se-Hoon (2010) "Our plan for a global Seoul is to develop a unique force of attraction that will stir the interest of people around the world and make Seoul a city that many want to live in, have fun in, and invest in."

#### Auckland, Len Brown (2016)

"We're maturing as a city and as a nation. Auckland is going from being a city in New Zealand to being a global city."

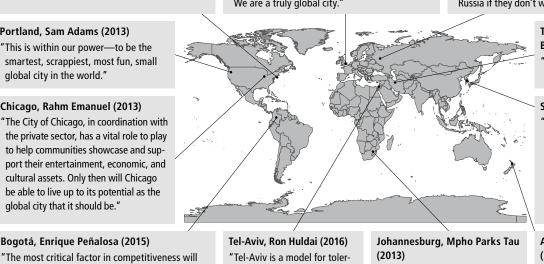
Mayors of major cities in every world region regard the places they lead as "global cities," or aspire to achieve that status over time.

from **Chapter 1** that globalization itself still remains limited—and is often overestimated. Such exaggeration or "globaloney" also appears in the literature on global cities. For example, consider Sassen's suggestion that as the connections among global cities grow, these cities become progressively less connected to their domestic hinterlands: a kind of world in which New York City might have more links with London, say, than with other US cities.<sup>11</sup>

While of obvious appeal to certain urban elites, this picture turns out to be factually wrong. While New York is usually rated as one of the world's top global cities, prior research using Sassen's preferred measure indicates that New York's greatest connectivity is with Washington, DC, ahead of Tokyo, and Chicago and Boston round out its top four connections. Other US cities are much less connected internationally: thus, the Los Angeles metro area, the fourth largest in the world in GDP terms after New York, Tokyo, and London,<sup>12</sup> counts only one foreign city (Tokyo, at #8) among its top dozen connections.13

Thus, even as long-term trends point to the rising importance of global cities, there is evidence that cities-like countries—conform to the laws of globalization that were articulated in the conclusion of Chapter 1.<sup>14</sup> Paralleling the law of semiglobalization, flows often take place more intensively within large cities than between them. For an example pertaining to trade, the value of shipments within a given zip (postal) code in the US (with a median radius of just four miles) is three times larger than the value of shipments across zip code boundaries.<sup>15</sup> And in regard to capital flows, investment fund managers are more likely to buy or sell stocks when other managers in the same city are doing so.16

US international trade patterns also reflect city-level evidence of the law of distance. The map presented in Figure 3.3 was prepared by the US Commerce Department, and we retained their title: "Metro Area Trade Relationships often Reflect Geographic and Cultural Ties." Thus, New York specializes in trade with Europe, Los Angeles and Seattle with Asia, Miami and Houston with Latin America and the Caribbean, and so on.



ance, art, culture, science, research, rational thinking, and attract and retain qualified individuals, investors, one that is open to the world. We are a global city and a home for every minority."

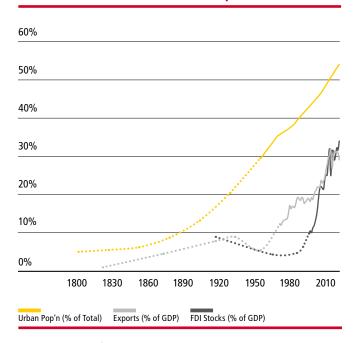
"We embark on the next step that will continue to position Johannesburg as one of the leading global cities; a city of innovation and economic dynamism."



Both laws of globalization are also in evidence when one looks at patterns of who follows whom on Twitter. Overall, 39% of all Twitter ties turn out to be local as in within the same (roughly metropolitan) regional cluster, 36% fall outside the regional cluster but within the same country, and 25% are international (as we noted in Chapter 1). Nor do these average tendencies necessarily weaken with city size. Thus, in Sao Paulo, one of the biggest hubs of Twitter activity in the world, more than 75% of the ties were local!<sup>17</sup> And Figure 3.4 highlights how Twitter ties drop off with physical distance. This analysis of Twitter also backstops the earlier point that even supposedly global cities still tend to be more connected to their domestic hinterlands than to other cities abroad. Figure 3.4 indicates that the overall pattern of extreme distance-dependence is affected noticeably only by a spike at the New York-Los Angeles distance (a domestic link); New York-London is just a blip, if that, in the overall pattern, and the other city pairs highlighted in the figure have no discernible effect at all.

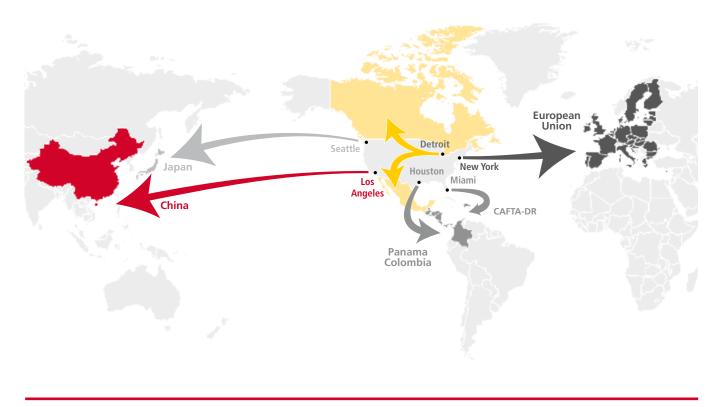
Having noted the rising salience of global cities and flagged the importance of avoiding globaloney about them, it is time to turn to how we measure the globality of cities. Competitive rankings of cities based on a wide variety of attributes have been produced since at least the 1970s,<sup>18</sup> and they have proliferated to the extent that more than 150 different city indexes and benchmarking reports were issued between 2008 and 2013.<sup>19</sup> The first major attempt at ranking cities specifically based on their globality came with the

#### FIGURE 3.2 // WORLD URBANIZATION AND SELECTED GLOBALIZATION INDICATORS, 1800-2015<sup>10</sup>



The twin trends of urbanization and globalization have expanded the possibilities for global cities and fostered rising interest in the measurement of globalization at the city level.

#### FIGURE 3.3 // METRO AREA TRADE RELATIONSHIPS OFTEN REFLECT GEOGRAPHIC AND CULTURAL TIES



Source: U.S. Department of Commerce International Trade Administration (2013).

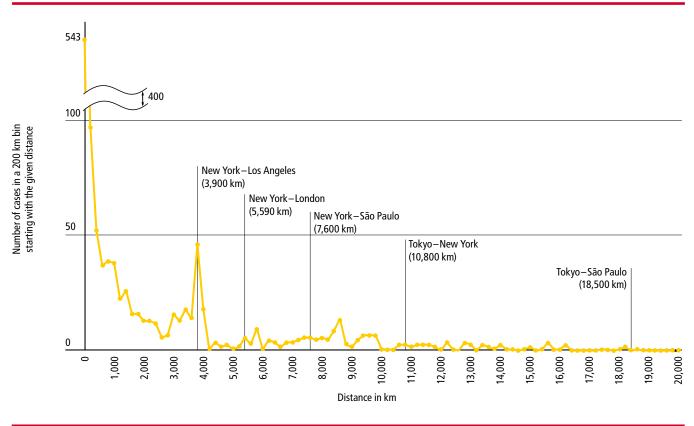
New York specializes in trade with Europe, Los Angeles and Seattle with Asia, and Miami and Houston with Latin America and the Caribbean.

publication of Jonathan Beaverstock, Richard Smith, and Peter Taylor's "A Roster of World Cities" in 1999.<sup>20</sup> Several others followed, but most mix globality with other attractiveness factors. Two stand out for their focus on globalization: consultancy A.T. Kearney's Global Cities Index and the Globalization and World Cities ratings, produced by a research network founded by Peter J. Taylor at the Geography Department of Loughborough University.

A.T. Kearney's Global Cities Index (ATK) takes a broad perspective—it encompasses 27 indicators—but suffers from one of the common problems with prior countrylevel globalization indexes that we sought to correct when we developed the DHL Global Connectedness Index. ATK mixes together actual international interactions with measures of their enablers—and then also adds in many indicators focused on local characteristics or activities. According to our calculations (as shown in **Figure 3.5**), ATK devotes only 27% of its weight to measures that directly track actual international interactions. We classified the remainder of its weight into three categories that are progressively less closely related to actual international interactions: 15% was allocated to the presence of international organizations (e.g. multinational firms, embassies or consulates) within a city, 18% to other enablers of international interactions (e.g. sister-city relationships), and 41% to local attributes that are supposed to attract international interactions (e.g. top universities, museums, performing arts venues).<sup>21</sup>

The inclusion of local attributes such as top universities that are supposed to proxy for international activity is somewhat more defensible at the city level than the country level due to the relatively more limited data on the former than the latter. However, the limited depth of globalization described in Chapter 1 suggests that such metrics can lead to highly erroneous results. Recall that only 2% of university students around the world are international. While elite universities are more international than the global average, they still predominantly serve domestic students.

The inclusion of a metric such as top universities also illustrates the use of subjective data sources in the ATK index.



### FIGURE 3.4 // THE DISTANCE-DEPENDENCE OF TIES ON TWITTER

Source: Yuri Takhteyev, Anatoliy Gruzd, and Barry Wellman. "Geography of Twitter Networks." Social Networks 34, no. 1 (January 2012): 73-81. Reprinted with permission from Elsevier.

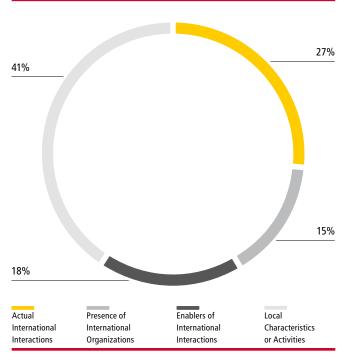
Twitter ties decline sharply with distance, and the lack of spikes at distances between major international city pairs backstops the observation that even the cities traditionally regarded as the most global still have stronger domestic than international connectedness.

Other enablers of globalization included in that index are also subject to the authors' judgment, e.g. freedom of expression and diverse culinary establishments. In contrast, we rely exclusively on hard data inputs in constructing our city (as well as country) rankings.

The second ranking that we consider, Globalization and World Cities (GaWC),<sup>22</sup> examines in great detail just one of the indicators covered by A.T. Kearney, the office networks of professional services firms. Here, firms' presence is rated on a scale from 0 (no office) to 5 (world headquarters), and separate analyses are conducted for six types of firms: firms involved in accounting, advertising, banking & finance, insurance, law, and management consulting. The analysis takes into account the links across offices within firms' networks rather than simply adding up the values each city obtains based on the offices located within its limits. Thus, it attempts to capture both what exists locally within cities as well as connections between them. The results are summarized in terms of several levels of globality: Alpha++, Alpha+, Alpha, Alpha-, Beta, and Gamma. GaWC's narrower focus helps restrict the inputs to hard data and avoid reliance on indicators of questionable relevance, but its focus on professional services also raises some concerns rooted in the limited internationalization of such activity. Among the world's 100 largest law firms by revenues, only 23% of the average firm's lawyers are located abroad,<sup>23</sup> implying a much lower (presumably single-digit) depth ratio for all legal services. While the world's top accounting firms have global networks, very little of the work they do is actually international—most of it is driven by national reporting and taxation requirements. And with reference to advertising and related activity, Sir Martin Sorrell, CEO of WPP, the world's largest marketing services firm, estimates that "no more than 15 percent of the business we do at WPP is truly global."<sup>24</sup>

Despite the very large differences in how the ATK and GaWC analyses were developed, they agree to a surprising extent in their rankings. The top 20 cities on each are shown in **Table 3.1**, and among these, 14 cities appear on both lists. Overall, the correlation between their rankings

#### FIGURE 3.5 // OUR ASSESSMENT OF WEIGHTS BY INDICATOR TYPE ON THE A.T. KEARNEY GLOBAL CITIES INDEX



Source: Based on Authors' analysis of A.T. Kearney's reported 2014 methodology (the 2016 methodology was not reported in sufficient detail to permit such an analysis).

City rankings traditionally focus more on cities' internal attributes than their international interactions, a pattern that holds even when examining the component metrics of the A.T. Kearney Global Cities Index.

is a very high 0.89. Both turn out to be correlated with city size (measured based on GDP): ATK 0.73 and GaWC 0.53.<sup>25</sup> The correlation between both ATK and GaWC and city size points toward another common limitation of both of these sources: neither systematically normalizes for city size, as we do along the depth dimension of the DHL Global Connectedness Index.

To conclude this brief review of the state of research on global cities, long-term urbanization and globalization trends over the past century point to the rising salience of global cities. But the available measures of global cities feature many of the same shortcomings associated with other country-level globalization indexes (which we elaborate in the conclusion to Chapter 4). They mix enablers (as well as proxies) together with actual data on international interactions, and in some cases also draw on subjective data sources. These shortcomings prompted us to develop new methods for measuring global cities, elaborated in the next section.

#### TABLE 3 .1 // TOP 20 CITIES ON GLOBALIZATION AND WORLD CITIES AND A.T. KEARNEY INDEXES

| GaW | /C Top 20 Cities (2012)  | A.T. | Kearney Top 20 Cities (2016) |
|-----|--------------------------|------|------------------------------|
| 1   | London (Alpha ++)        | 1    | London                       |
| 2   | New York City (Alpha ++) | 2    | New York City                |
| 3   | Hong Kong (Alpha +)      | 3    | Paris                        |
| 4   | Paris (Alpha +)          | 4    | Токуо                        |
| 5   | Singapore (Alpha +)      | 5    | Hong Kong                    |
| 6   | Shanghai (Alpha +)       | 6    | Los Angeles                  |
| 7   | Tokyo (Alpha +)          | 7    | Chicago                      |
| 8   | Beijing (Alpha +)        | 8    | Singapore                    |
| 9   | Sydney (Alpha +)         | 9    | Beijing                      |
| 10  | Dubai (Alpha +)          | 10   | Washington                   |
| 11  | Chicago (Alpha)          | 11   | Seoul                        |
| 12  | Mumbai (Alpha)           | 12   | Brussels                     |
| 13  | Milan (Alpha)            | 13   | Madrid                       |
| 14  | Moscow (Alpha)           | 14   | Sydney                       |
| 15  | Sao Paulo (Alpha)        | 15   | Melbourne                    |
| 16  | Frankfurt (Alpha)        | 16   | Berlin                       |
| 17  | Toronto (Alpha)          | 17   | Toronto                      |
| 18  | Los Angeles (Alpha)      | 18   | Moscow                       |
| 19  | Madrid (Alpha)           | 19   | Vienna                       |
| 20  | Mexico City (Alpha)      | 20   | Shanghai                     |

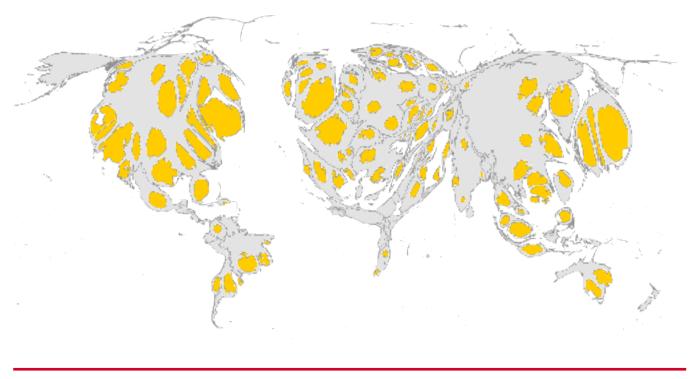
Sources: Globalization and World Cities and A.T. Kearney

#### **New Methods for Measuring Global Cities**

The limitations of existing measures of global cities coupled with strong interest in assessing cities' globality motivate our introduction here of two new city-level globalization indexes: "Globalization Hotspots" and "Globalization Giants." Both of these indexes—like the country-level DHL Global Connectedness Index—focus exclusively on actual international flows (and stocks accumulated from prior year flows). They are generated entirely based on hard data, and do not mix in any enablers of or proxies for international activity. Both city-level indexes are also constructed based on the same four pillars as the DHL Global Connectedness Index: trade, capital, information, and people.

The Hotspots index parallels the depth dimension of the DHL Global Connectedness Index by normalizing (scaling) cities' international interactions based on relevant measures of city size. The top-ranked cities on the Hotspots index, thus, are cities where international interactions are the most intense relative to within-city activity. Giants, in contrast, are simply the cities with the largest international interactions in absolute terms.

#### FIGURE 3.6 // WORLD MAP WITH COVERED CITIES AS WELL AS ALL COUNTRIES SIZED BASED ON 2015 GDP IN US DOLLARS AT MARKET EXCHANGE RATES



Source: Based on data from IMF World Economic Outlook Database (April 2016) and Euromonitor Passport

The 113 cities covered on the new Globalization Hotspots and Globalization Giants indexes are spread across 64 countries and account for onethird of world GDP.

Another way of thinking about the distinction between Hotspots and Giants is to regard Hotspots as the cities where international interactions have the greatest impact on the cities themselves. Giants, in contrast, are the cities with the largest projection abroad and loom especially large in contexts where scale economies matter. While both are interesting and useful, following the logic of the DHL Global Connectedness Index, we prefer the Hotspots index if the focus is actually on comparing levels of globalization (or more precisely internationalization since breadth is not covered) across cities. In our view, international projection or influence is a somewhat distinct topic from internationalization. In this context, the Giants index helps us to clarify how much of the differences between our Hotspots rankings and those on other indexes are due to size-based normalization (depth) versus the other distinctions that are common across both of our indexes.

Our new city indexes cover 113 cities, spread across 64 countries. These cities account for one-third of world GDP, as illustrated in **Figure 3.6**, which sizes both countries and cities based on their economic output (in US dollars at market exchange rates in 2015). We include in our analysis all cities for which data available in the sources cited in Appendix B meet the data sufficiency rules described later in this section. The level of analysis employed is the metropolitan area, in order to account for activity taking place in suburbs as well as in city centers. Thus, wherever the term city appears in the material that follows, it should be read as equivalent to metropolitan area. While the dataset compiled for this analysis covers the period from 2007 to 2015, the discussion that follows will focus primarily on the 2015 results.

The types of activity measured on the Globalization Hotspots and Globalization Giants indexes are the same. The trade pillar captures merchandise exports, the capital pillar announced greenfield foreign direct investment (FDI), the information pillar international internet traffic, and the people pillar both migrants and tourists. For the Hotspots index, as shown on the left side of **Table 3.2**, these components enter into the analysis in the form of depth ratios (parallel to those used on the depth dimension of the DHL Global Connectedness Index). On the trade and capital pillars, the depth ratios are scaled using metropolitan area GDP in their denominators. On the information and people pillars, metropolitan area population is used. For the Giants index, the flow or stock values themselves (the

#### TABLE 3.2 // HOTSPOTS AND GIANTS INDEX PILLARS AND COMPONENT METRICS

| Pillars        | Hotspots Components                                          | Giants Components                                              |
|----------------|--------------------------------------------------------------|----------------------------------------------------------------|
| 1. Trade       | 1.1 Exports (% GDP)                                          | 1.1 Exports (US\$ mn)                                          |
| 2. Capital     | 2.1 Outward Announced Greenfield FDI (% GDP, 3-year average) | 2.1 Outward Announced Greenfield FDI (US\$ mn, 3-year average) |
|                | 2.2 Inward Announced Greenfield FDI (% GDP, 3-year average)  | 2.2 Inward Announced Greenfield FDI (US\$ mn, 3-year average)  |
| 3. Information | 3.1 Average International Internet Traffic (Gbps) per Capita | 3.1 Average International Internet Traffic (Gbps)              |
| 4. People      | 4.1 Foreign Citizens (% Population)                          | 4.1 Foreign Citizens ('000s)                                   |
|                | 4.2 Inbound Tourist Arrivals per Capita                      | 4.2 Inbound Tourist Arrivals ('000s)                           |

numerators in the depth ratios) are used directly without any scaling, as shown on the right side of Table 3.2. The data sources employed are listed in **Table B.4** in Appendix B.

Having highlighted similarities between our new city-level indexes and the DHL Global Connectedness Index, there are also several key differences. The most important one is the exclusion of breadth from the city-level analysis, which is due to data limitations. With respect to individual metrics, while both the city-level and country-level analyses cover FDI, the FDI metrics employed differ substantially. At the country level, we use the standard indicators of FDI tracked in countries' balance of payments statistics. For cities, we capture only greenfield FDI (thus excluding FDI arising from mergers and acquisitions as well as from earnings that are reinvested in foreign affiliates), and we do so based on the values announced by the firms involved which may differ from the actual values that are ultimately invested. Some announced investments never actually come to fruition and others are later scaled up or down. Due to the limitations implied by a reliance on transaction announcements, these data are also necessarily less comprehensive than the country-level data.

While we analyze migration at both the city and the country levels, the city-level data are based on citizenship, whereas the country-level data reflect migrants' countries of birth. Thus, naturalized citizens are included in our country-level migration metrics but not in the city-level analysis. Additionally, at the city level we are able to use data on international internet traffic (our preferred metric) whereas at the country level, data constraints require the use of international internet bandwidth as a proxy for international internet traffic.

We should also note that data availability and quality constraints are far more severe when analyzing cities as

compared to countries. There is no city-level equivalent to the tracking of flows across national borders that takes place, for example, at customs and immigration control checkpoints. The term "statistics," in fact, comes from the same origin as the word state, because administrative requirements at the state level gave impetus to the first large-scale collection and analysis of demographic and economic data. Thus, whereas at the country level, we rely primarily on official data that have been collated and harmonized by international organizations such as the United Nations, we must make do at the city level with data from unofficial sources, including analysts' estimates.<sup>26</sup> Furthermore, city-level analysis is also complicated by ambiguity and inconsistency in the treatment of metropolitan area boundaries.

After all the data are compiled, the methods used for normalizing and aggregating the data parallel the methodology of the DHL Global Connectedness Index, as described in detail in **Chapter 4**. The same methods for filling data gaps employed at the country level are used here as well, and for a city to be included in the index, available data must cover at least 65% of the components (by weight). The (percentiles) normalization method used at the country level is also employed here, with values normalized over the period from 2007 to 2015 (panel normalization). After normalization, scores are aggregated via weighted sums, based on the weights shown in **Table 3.3**.

#### **Globalization Hotspots and Giants**

**Figures 3.7 and 3.8** display the overall 2015 scores and ranks on the Hotspots and Giants indexes. The top 10 Globalization Hotspots are: Singapore, Manama, Hong Kong, Dubai, Amsterdam, Tallinn, Dublin, Geneva, Abu Dhabi, and Skopje. And the top 10 Globalization Giants are: Singapore, Hong Kong, London, New York, Paris, Tokyo, Shanghai, Seoul, Beijing, and Toronto.

| Pillar (Weight % of Index) | Hotspots/Giants Component (Weight % of Pillar)    | Hotspots/Giants Component (Weight % of Index)    |
|----------------------------|---------------------------------------------------|--------------------------------------------------|
| 1. Trade (35%)             | 1.1 Exports (100%)                                | 1.1 Exports (35%)                                |
| 2. Capital (35%)           | 2.1 Outward Announced Greenfield FDI (50%)        | 2.1 Outward Announced Greenfield FDI (17.5%)     |
|                            | 2.2 Inward Announced Greenfield FDI (50%)         | 2.2 Inward Announced Greenfield FDI (17.5%)      |
| 3. Information (15%)       | 3.1 Average International Internet Traffic (100%) | 3.1 Average International Internet Traffic (15%) |
| 4. People (15%)            | 4.1 Foreign Citizens (50%)                        | 4.1 Foreign Citizens (7.5%)                      |
|                            | 4.2 Inbound Tourist Arrivals (50%)                | 4.2 Inbound Tourist Arrivals (7.5%)              |

#### TABLE 3.3 // CITY LEVEL INDEX WEIGHTS

Only two cities appear on both lists, Singapore and Hong Kong, and Singapore is ranked first on both. Those two Asian hubs, however, function as city-states, making them somewhat distinct from the other cities covered. Singapore is both a city and an independent country, and Hong Kong is a Special Administrative Region (SAR) of China with, among other things, distinct laws, customs arrangements and immigration and visa policies. City-states tend to rank high on depth metrics due in part to the fact that they have no (domestic) hinterlands so all of their interactions that cross city boundaries are international.

The Hotspots index differs starkly from prior rankings of global cities. The perennial winners on such rankings, London and New York, hold the 47<sup>th</sup> and 76<sup>th</sup> places on the Hotspots ranking, but do come in 3<sup>rd</sup> and 4<sup>th</sup> on the Giants list. To see why this is the case, **Figure 3.9** compares London and New York on each of the underlying metrics to the top-ranked city (Singapore) on each of the indexes and on the individual metrics. While London and New York do stand out among the world's largest cities for their levels of internationalization, many smaller cities are actually far more intensively focused on international activity than those two megacities.

The inference that our Hotspots ranking reflects a new perspective on global cities is supported by simple correlation calculations. The Hotspots rankings are barely correlated at all with the ATK (0.06) and GaWC (0.09) indexes, nor are they closely correlated with city size (-0.27 correlation with GDP and -0.30 with population). In contrast, our Giants index does correlate more closely with all of those other metrics (0.56 with ATK, 0.69 with GaWC, 0.73 with GDP, and 0.51 with population).<sup>27</sup>

As the top-ranked city on both indexes, the case of Singapore merits further examination. Across both city indexes, Singapore ranks among the top 5 on all of the pillars except information (on which it ranks 10<sup>th</sup> among Giants and 15<sup>th</sup> among Hotspots). Singapore's lead on the Hotspots index—which focuses on depth—is consistent with its top rank at the country level on the depth dimension of the DHL Global Connectedness Index. Singapore's top rank on the Giants index is more surprising, as it ranks only 24<sup>th</sup> on GDP and 44<sup>th</sup> on population among the cities we cover. The obvious explanation is the high proportion of activity that flows *through* Singapore rather than originating inside its domestic economy.

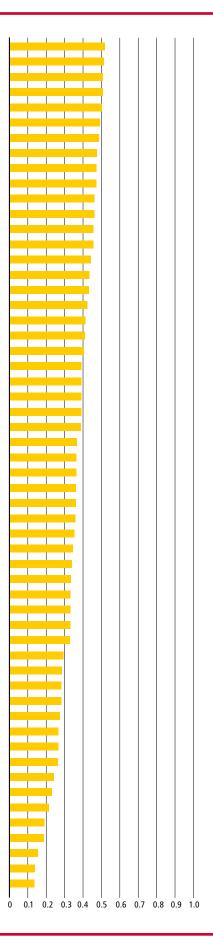
Part of Singapore's large role in international flows can be chalked up to the general pattern that economies with structural characteristics like Singapore's tend to be deeply globalized. As we explained in **Chapter 2**, countries that are small, rich, on the sea, fluent in major languages and close to major markets tend to have deeper global connectedness than those that are not. However, credit must also be given to the role of public policy. In 1972, less than seven years after Singapore's independence and almost two decades before Sassen's inserted the term "global city" into the academic discourse, Singapore's first foreign minister, S. Rajaratnam, gave a speech titled "Singapore as a Global City."<sup>28</sup> He articulated a vision in which Singapore's economic development would be driven by its growing connections beyond its immediate neighborhood.

Singapore went on to implement a multi-pronged approach to globalization tying together industry-specific strategies, infrastructure development, promotion of inward foreign direct investment, and so on. A 2014 *Time* magazine article summed up the results: "no other place on earth has so engineered itself to prosper from globalization - and succeeded at it." Indeed, the analysis in Chapter 2 affirmed that even after we control statistically for Singapore's structural advantages, Singapore still outperforms on the depth of its international flows.

#### FIGURE 3.7 // GLOBALIZATION HOTSPOTS 2015 SCORES AND RANKS

| 1. Singapore                    |   |   |   |   |   |    |   |
|---------------------------------|---|---|---|---|---|----|---|
| 2. Manama                       |   |   |   |   |   | -  | - |
| 3. Hong Kong                    |   |   |   |   |   |    |   |
| 4. Dubai                        |   |   |   |   |   |    |   |
| 5. Amsterdam                    |   |   |   |   |   |    |   |
| 6. Tallinn                      |   | 1 |   |   |   |    | T |
| 7. Dublin                       |   |   |   |   |   |    | T |
| 8. Geneva                       |   |   |   |   |   |    | 1 |
| 9. Abu Dhabi                    |   | 1 |   |   |   |    |   |
| 10. Skopje                      |   |   |   |   |   |    |   |
| 11. Prague                      |   | 1 |   |   |   | L  |   |
| 12. Kuala Lumpur                |   | 1 |   |   |   | Ľ  |   |
| 13. Mumbai                      |   | 1 |   |   |   | L  |   |
| 14. Helsinki                    |   | 1 |   |   |   | I. |   |
|                                 |   | 1 |   |   |   | I  |   |
| 15. Antwerp                     |   |   |   |   |   | I  |   |
| 16. Minsk                       |   |   |   |   |   | 1  |   |
| 17. Copenhagen                  |   |   |   |   |   |    |   |
| 18. Shanghai                    |   |   |   |   |   |    |   |
| 19. Sofia                       |   |   |   |   |   |    |   |
| 20. Ho Chi Minh City            |   |   | 1 |   |   |    |   |
| 21. Vilnius                     | - |   |   | I |   |    |   |
| 22. Munich                      | - |   | Ì |   |   |    |   |
| 23. Johannesburg                | - |   |   |   |   |    |   |
| 24. Zurich                      |   |   |   |   |   |    |   |
| 25. Toronto                     |   |   |   | 1 |   |    |   |
| 26. Barcelona                   |   |   |   |   |   |    |   |
| 27. Bangalore                   |   |   |   |   |   |    |   |
| 28. Riga                        |   |   |   |   |   |    |   |
| 29. Kiev                        |   |   |   |   |   |    |   |
| 30. Shenzhen                    |   |   |   |   |   |    |   |
| 31. Vienna                      |   |   |   |   |   |    |   |
| 32. Rotterdam                   |   |   |   |   |   |    |   |
| 33. Tbilisi                     |   |   |   |   |   |    |   |
| 34. Frankfurt am Main           |   | 1 |   |   |   |    |   |
| 35. Hamburg                     |   | 1 |   |   |   |    |   |
| 36. Vancouver                   |   |   |   |   |   |    |   |
| 37. Milan                       |   |   |   |   |   |    |   |
| 38. Doha                        |   |   |   |   | Ľ |    |   |
| 39. Lisbon                      |   |   |   |   | L |    |   |
| 40. Bangkok                     |   |   |   |   | Ľ |    |   |
| 40. Bangkok<br>41. Istanbul     |   |   |   |   | l |    |   |
| 41. Beijing                     |   |   |   |   | I |    |   |
| 42. Beijing<br>43. Riyadh       |   |   |   |   |   |    |   |
| 44. Bucharest                   |   |   |   |   |   |    |   |
| 44. Bucharest<br>45. Guangzhou  |   |   |   |   |   |    |   |
| 45. Guangznou<br>46. Paris      |   |   |   |   |   |    |   |
| 46. Paris<br>47. London         |   |   |   |   |   |    |   |
|                                 |   |   |   |   |   |    |   |
| 48. Warsaw                      | - | Í |   |   |   |    |   |
| 49. Stockholm                   | - |   | Ì |   |   |    |   |
| 50. Taipei                      | - |   | 1 |   |   |    |   |
| 51. Montreal                    | - |   |   |   |   |    |   |
| 52. Belgrade                    |   |   |   |   |   |    |   |
| 53. Budapest                    | _ |   |   |   |   |    |   |
|                                 |   | 1 |   |   |   |    |   |
| 54. Marseille                   |   |   |   |   | 1 | 1  | 1 |
| 54. Marseille<br>55. Birmingham |   |   |   |   |   |    |   |
|                                 |   |   |   |   |   |    |   |
| 55. Birmingham                  |   |   |   |   |   |    |   |

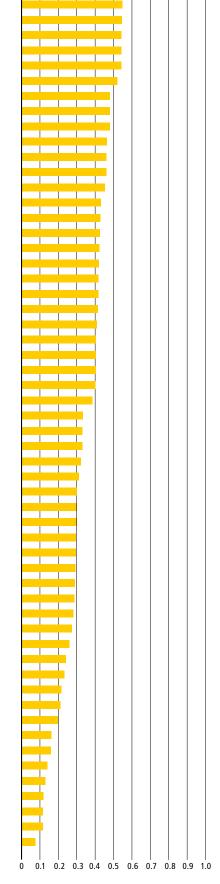
58. Seattle 59. Madrid 60. Miami 61. Sydney 62. Nagoya 63. Delhi 64. Zagreb 65. Tianjin 66. Kuwait City 67. Sarajevo 68. Manchester (UK) 69. Berlin 70. San Jose (USA) 71. Seoul 72. Brussels 73. Glasgow 74. Jakarta 75. Amman 76. New York 77. Houston 78. San Francisco 79. Lyon 80. Wuhan 81. Manila 82. Athens 83. Leeds 84. Los Angeles 85. Santiago (Chile) 86. Ljubljana 87. Oslo 88. Tokyo 89. Almaty 90. Cape Town 91. Mexico City 92. Rome 93. Bogota 94. Kolkata 95. São Paulo 96. Melbourne 97. Osaka 98. Rio de Janeiro 99. Washington, D.C. 100. Salvador 101. Chicago 102. Ankara 103. Santo Domingo (DR) 104. Boston 105. Dallas 106. San Diego 107. Atlanta 108. Buenos Aires 109. Minneapolis-Saint Paul 110. Montevideo 111. Phoenix 112. Tehran 113. Philadelphia



### FIGURE 3.8 // GLOBALIZATION GIANTS 2015 SCORES AND RANKS

| 1. Singapore                    | <sup> </sup> | - 1 |   | I | 1 | 1 | 1 | 1 |  |
|---------------------------------|--------------|-----|---|---|---|---|---|---|--|
| 2. Hong Kong                    |              |     |   |   |   |   |   |   |  |
| 3. London                       |              |     |   |   |   |   |   |   |  |
| 4. New York                     |              |     |   |   |   |   |   |   |  |
| 5. Paris                        |              |     |   |   |   |   |   |   |  |
| 6. Tokyo                        |              |     |   | 1 |   |   |   |   |  |
| 7. Shanghai                     |              |     |   |   |   |   |   |   |  |
| 8. Seoul                        |              |     |   |   |   |   |   |   |  |
|                                 |              |     |   |   | 1 |   |   |   |  |
| 9. Beijing                      |              |     |   |   |   |   |   |   |  |
| 10. Toronto                     |              |     |   |   |   |   |   | L |  |
| 11. Dubai                       |              |     |   |   |   |   |   | I |  |
| 12. Los Angeles                 |              |     |   |   | 1 | 1 |   |   |  |
| 13. Bangkok                     |              |     |   |   |   |   |   |   |  |
| 14. Amsterdam                   |              | - 1 | - | - | 1 |   |   |   |  |
| 15. Guangzhou                   |              |     |   |   |   |   |   |   |  |
| 16. Shenzhen                    |              |     | - |   |   |   |   |   |  |
| 17. Kuala Lumpur                |              |     |   |   |   |   |   |   |  |
| 18. Osaka                       |              |     |   |   |   |   |   |   |  |
| 19. Dublin                      |              |     |   |   |   |   |   |   |  |
| 20. Istanbul                    |              |     |   |   |   |   |   |   |  |
| 21. Barcelona                   |              |     |   |   |   |   | Ľ |   |  |
| 22. Milan                       |              |     |   |   |   |   |   |   |  |
| 23. Houston                     |              |     |   |   |   |   |   |   |  |
| 24. San Francisco               |              |     |   |   | 1 |   |   |   |  |
| 24. San Francisco<br>25. Madrid |              |     |   |   | 1 |   |   |   |  |
|                                 |              |     |   |   |   |   |   |   |  |
| 26. Munich                      |              |     |   |   | 1 |   |   |   |  |
| 27. Chicago                     |              |     |   |   |   |   |   |   |  |
| 28. Abu Dhabi                   |              |     |   |   | 1 | 1 |   |   |  |
| 29. Sydney                      |              |     |   | 1 | 1 |   |   |   |  |
| 30. Miami                       |              | - 1 | - | - | 1 |   |   |   |  |
| 31. Hamburg                     |              |     |   |   |   |   |   |   |  |
| 32. Riyadh                      |              |     |   |   |   |   |   |   |  |
| 33. Zurich                      |              |     |   | - |   |   |   |   |  |
| 34. Frankfurt am Main           |              |     |   |   |   |   |   |   |  |
| 35. Tianjin                     |              |     |   |   |   |   |   |   |  |
| 36. Mexico City                 |              |     |   |   |   |   |   |   |  |
| 37. Detroit                     |              |     |   |   |   |   |   |   |  |
| 38. Seattle                     |              |     |   |   |   |   |   |   |  |
| 39. Montreal                    |              |     |   |   |   |   |   |   |  |
| 40. Vienna                      |              |     |   |   | 1 |   |   |   |  |
| 40. vienna<br>41. Dallas        |              |     |   |   |   | Ľ |   |   |  |
|                                 |              |     |   |   |   | L |   |   |  |
| 42. São Paulo                   |              |     |   |   |   | L |   |   |  |
| 43. Nagoya                      |              |     |   |   |   | L |   |   |  |
| 44. Taipei                      |              |     |   |   |   | L |   |   |  |
| 45. Jakarta                     |              |     | - | İ | İ | - |   |   |  |
| 46. Mumbai                      | <b> </b>     | -   | + | - | 1 | • |   |   |  |
| 47. Doha                        | <b> </b>     |     | - | - |   | • |   |   |  |
| 48. Helsinki                    |              |     | - |   | 1 | • |   |   |  |
| 49. Copenhagen                  |              |     |   |   | - |   |   |   |  |
| 50. Ho Chi Minh City            |              |     |   |   |   |   |   |   |  |
| 51. Prague                      |              |     |   |   |   |   |   |   |  |
| 52. Manila                      |              |     |   |   |   |   |   |   |  |
| 53. Vancouver                   |              |     |   |   |   |   |   |   |  |
| 54. Johannesburg                |              |     |   |   |   |   |   |   |  |
| -                               |              |     |   |   |   |   |   |   |  |
| 55. Berlin                      |              |     |   |   |   |   |   |   |  |
| 56. Antwerp                     |              |     |   |   |   |   |   |   |  |
| 57. Birmingham (UK)             |              |     |   |   |   |   |   |   |  |

58. Boston 59. San Jose (USA) 60. Washington, D.C. 61. Stockholm 62. Warsaw 63. Melbourne 64. Wuhan 65. Atlanta 66. Rotterdam 67. Lisbon 68. Manama 69. Budapest 70. Brussels 71. Rio de Janeiro 72. Sofia 73. Santiago (Chile) 74. Buenos Aires 75. Manchester (UK) 76. Marseille 77. Kuwait City 78. Geneva 79. Delhi 80. Rome 81. Bucharest 82. Philadelphia 83. Bangalore 84. Athens 85. San Diego 86. Minsk 87. Bogota 88. Riga 89. Minneapolis-Saint Paul 90. Leeds 91. Tbilisi 92. Gothenburg 93. Kiev 94. Amman 95. Oslo 96. Lyon 97. Phoenix 98. Tallinn 99. Tehran 100. Belgrade 101. Glasgow 102. Cape Town 103. Vilnius 104. Ankara 105. Almaty 106. Ljubljana 107. Santo Domingo (DR) 108. Zagreb 109. Skopje 110. Montevideo 111. Kolkata 112. Salvador 113. Sarajevo





The second-ranked Hotspot, Manama, is a more surprising entrant into the top leagues of global cities. With a population of less than one million people, Bahrain's capital does not even break into the world's hundred largest cities (it ranks 102<sup>nd</sup> on GDP and 107<sup>th</sup> on population, among the cities covered here). But it ranks first on the capital pillar and second on the people pillar of the Hotspots index. Manama attracted six times as much announced (inward) greenfield FDI relative to its GDP as London and five times as many tourist arrivals per capita (including business travelers) as New York. More than half of Manama's population are foreign citizens (surpassed by only five cities on that metric, all of them neighbors within the Gulf Cooperation Council (GCC)). It is also important to point out that Bahrain is among the world's smallest countries-its land area is about the same as Singapore's-prompting an unusually high proportion of its economic activity to cross national borders.

The remaining cities among the top five Hotspots share some similar characteristics with the top two. Like Singapore, Hong Kong's high depth rank on the DHL Global Connectedness Index translates into a leading position on the Hotspots index. Dubai shares similarities with its smaller neighbor, Manama, and ranks first on the proportion of its population comprised by foreign citizens: 94%. Amsterdam is the largest city in the top-ranked country overall on the DHL Global Connectedness Index (the Netherlands), and is a major European gateway and hub.

The leading cities on the Giants index are less surprising. The top 10 on this index all appear within the top 20 on both GaWC and ATK, except Seoul which ranks 24<sup>th</sup> on GaWC. Singapore and Hong Kong surpass the usual winners London and New York in part because of the latter pair's relatively small merchandise trade flows. London ranks 1<sup>st</sup> on the capital and people pillars of this index, and 2<sup>nd</sup> on the information pillar, but only 10<sup>th</sup> on the trade pillar (on which Hong Kong ranks 1<sup>st</sup> followed by Singapore). New York ranks among the top five cities on all of the pillars except trade, on which it ranks 9<sup>th</sup>.

The maps shown in **Figure 3.10** help summarize geographic patterns in the Hotspots and Giants rankings. Starting with the map of Globalization Hotspots, all of the top 10 cities as well as 43 out of the top 50 are located in three regions—Europe, East Asia & Pacific, and Middle East & North Africa—and cities in these regions also average the highest Hotspots scores. This is consistent with the finding

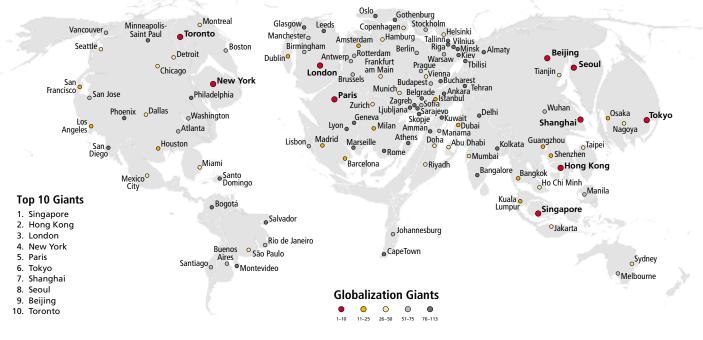
### FIGURE 3.9 // LONDON AND NEW YORK ON THE HOTPOTS AND GIANTS INDEXES

| Phi<br>Hotspots Ranking                                       | iladelphia<br>I                         | New York<br>l                 | London                        |               | Singapore                         |
|---------------------------------------------------------------|-----------------------------------------|-------------------------------|-------------------------------|---------------|-----------------------------------|
| notspots kalikilig                                            | 113                                     | 76                            | 47                            |               | 1                                 |
| Component Variables                                           | Now York (71)                           |                               |                               |               |                                   |
| Exports Montevide<br>% of GDP                                 | New York (71)<br>eo (83)   London (57)  |                               |                               | Singapore (3) | Abu Dhabi (1)                     |
|                                                               | 0.6% 7% 10%                             |                               |                               | 118%          | 164%                              |
| Outward FDI Santo Dor<br>% of GDP                             | ningo (113) New York (53) L             | ondon (33)                    | Singap<br>L                   | ore (7)       | Mumbai (1)                        |
|                                                               | 0% 1.2%                                 | 2.4%                          | 6.5                           | %             | 10%                               |
| Inward FDI Nagoy<br>% of GDP                                  | New York (76)<br>ya (113) London (47)   | Singapore (8)                 |                               |               | Belgrade (1)                      |
|                                                               | 0% 0.4% 1%                              | 3%                            |                               |               | 9%                                |
| Average Inter-<br>national Internet Phoenix<br>Traffic (Kbps) | New York (32)<br>x (100) Singapore (15) |                               |                               |               | Amsterdam (1)                     |
| per capita                                                    | 0.66 170 383 502                        | (20)                          |                               |               | 4,763                             |
| Foreign Citizens Salv<br>% of Population                      | New York<br>vador (96) Londo            | (28)<br>on (20) Singapore (8) |                               |               | Dubai (1)                         |
|                                                               | 0.04% 13% 16%                           | 32%                           |                               |               | 94%                               |
| International Tourist Ma<br>Arrivals per capita               | anila (89) New York (51)                | London (24)                   |                               | Singapore (3) | Amsterdam (1)                     |
|                                                               | 0.07 0.6                                | 1.07                          |                               | 3.1           | 3.9                               |
| Giants Ranking                                                | Sarajevo<br>L                           |                               |                               |               | Singapore<br>London<br>New York ∐ |
|                                                               | 113                                     |                               |                               |               | 431                               |
| Component Variables                                           | London                                  | (10)                          |                               |               |                                   |
| Exports (US\$ bn)                                             | Montevideo (83)                         | New York (9)                  |                               | Singapore (2) | Hong Kong (1)                     |
|                                                               | \$0.2 \$                                | 99 \$107                      |                               | \$347         | \$466                             |
| Outward FDI (US\$ bn)                                         | Santo Domingo (111)                     | New York                      | (8) Singapore (6) London (4)  |               | Tokyo (1)                         |
|                                                               | \$0.0                                   | \$1                           | 8.8 \$19.3 \$24               |               | \$43                              |
| Inward FDI (US\$ bn)                                          | Ljubljana (113)<br>L                    |                               | New                           | York (4)      | London (1)<br>Singapore (2)       |
|                                                               | \$0.01                                  |                               |                               | \$6.5         | \$9.1 \$9.7                       |
| Average International                                         | Phoenix (100) Sing                      | gapore (10) New York (5)      |                               | Londo         | n (2) Frankfurt (1)               |
| Internet Traffic (Gbps)                                       | 3                                       | 2,122 3,409                   |                               | 8             | ,254 9,360                        |
| Foreign Citizens ('000s)                                      | Salvador (96)                           | Singapore (7)                 | New York (4) London (3)       |               | Dubai (1)                         |
| ( 0 0 0 0 )                                                   | 1.5                                     | 1,757                         | 2,614 2,659                   |               | 5,028                             |
|                                                               | Salvador (94)<br>I                      | New                           | / York (8) Singapore (3) Lonc | don (2)       | Hong Kong (1)                     |
| International Tourist                                         |                                         |                               |                               |               |                                   |

London and New York, perennial leaders on rankings of global cities place 3<sup>rd</sup> and 4<sup>th</sup> on the Globalization Giants index but only 47<sup>th</sup> and 76<sup>th</sup> on the Globalization Hotspots index. Many smaller cities are far more intensively focused on international activity than these two megacities.

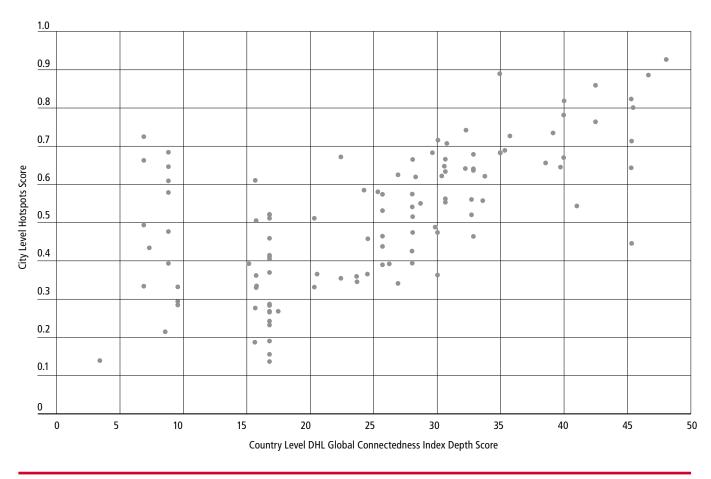
### FIGURE 3.10 // MAPPING THE 2015 GLOBALIZATION HOTSPOTS AND GIANTS





The leading Globalization Hotspots are concentrated in the Europe, Middle East & North Africa, and East Asia & Pacific regions, which also average the highest depth scores at the country level. The top ranked Globalization Giants are dispersed more widely across regions.





The correlation between city level Hotspots scores and country level depth scores on the DHL Global Connectedness Index suggest strong linkages between city and country level connectedness.

reported in Chapter 2 that these three regions also average the highest country level depth scores.

That pattern suggests that there are strong linkages between country- and city-level connectedness. As shown in **Figure 3.11**, this inference holds up in a comprehensive comparison of cities' Hotspots scores with the DHL Global Connectedness Index depth scores of the countries within which they are located. The correlation between those two sets of scores is 0.65. We discuss the business and public policy implications of such linkages in the conclusion of this chapter.

The Globalization Giants are spread more evenly across regions than are the Hotspots. There are multiple cities ranked in the top 50 on this index in every region except Sub-Saharan Africa, and that region's top city (Johannesburg) ranks 54<sup>th</sup>. Cities in East Asia & Pacific average the highest Giants scores, which is not very surprising when one notes that among the cities in our index, half of those with populations above 10 million are located in that region.

To wrap up this discussion of the results of our new indexes, while our primary focus has been on cities' current levels of connectedness, the dataset assembled for this analysis also permits the assessment of changes over the period from 2007 to 2015. Using the Hotspots index, we can point to the following cities as those where the intensity of international interactions increased the most over that period: Tbilisi, Mexico City, Bangkok, Birmingham (UK), Riyadh, Sofia, Skopje, Belgrade, Miami, and Bangalore. And the Giants index reveals which cities grew the absolute size of their international activity the most: Mexico City, Riyadh, Bangkok, Wuhan, Manila, Kuala Lumpur, Osaka, Birmingham (UK), Jakarta, and Atlanta.

### 3. GLOBAL CITIES: HOTSPOTS AND GIANTS – CONCLUSION GLOBAL CITIES BUSINESS AND PUBLIC POLICY IMPLICATIONS

This chapter has provided a first attempt at bringing the analysis of global cities into alignment with the methods used to analyze countries in the DHL Global Connectedness Index. It introduced two new city-level globalization indexes: Globalization Hotspots and Globalization Giants. Globalization Hotspots are the cities with the most intense international interactions relative to relevant size measures. On this basis, the cities with the deepest international connectedness are Singapore, Manama, Hong Kong, Dubai, and Amsterdam. Globalization Giants are the cities with the largest international interactions in absolute terms. The top cities on this index are Singapore, Hong Kong, London, New York, and Paris.

Data availability—and quality—impose greater constraints on city-level analysis than they do at the country-level, and we aim to strengthen this analysis in several respects in the future by broadening the cities covered, extending the variables analyzed, and reducing the gaps in the data. Looking at the breadth of cities' connections, both domestically and internationally, is another, longer-term objective. Additionally, there is much to be learned from natural experiments, whether fortunate or unfortunate. Thus, Brexit's impact on London's international connectedness is something that will merit measurement over time.

While our current analysis does have its limitations, it affirms strong linkages between the depth of global connectedness at the city- and country-levels. For public policy, this implies that efforts to promote connectedness at multiple levels can be complementary. While we have focused on cities and countries, efforts at the state/province level can provide a useful intermediate link. And the same analysis also implies that—given the far more limited availability of citylevel connectedness data—business decision-makers can often use country-level data to proxy for city-level variables of interest. Most of the business and public policy implications of our country-level analysis discussed in the conclusion of Chapter 2 also apply when looking at cities. Rather than repeating those points, we will focus here on additional implications that arise specifically at the city level. Starting with business,

- Since traditional city rankings focus almost entirely on cities' local attributes, it is especially important here to draw attention to cities' international connectedness, which has greater salience for some industries and firms than for others. Airbnb and Uber, for example, are both prominent firms that pursue city-level strategies in the online "sharing economy," but international connectedness matters far more for Airbnb, where two-thirds of bookings cross national borders.<sup>29</sup> Uber, in contrast, can pursue a city-by-city strategy, since its business entails almost exclusively local travel within the cities where it operates.
- Whereas the country rankings are comprehensive in the sense that they cover the locations where almost all economic activity takes place worldwide, city rankings capture only the urban component of the world economy. This implies another source of variation across firms in how they should approach such rankings. For firms such as Airbnb and Uber, city-level strategy is important across the value chain. For firms with large operations outside of major metropolitan areas, e.g. those in agribusiness and oil exploration, the relevance of city-level analysis may be restricted to selected slices of the value chain (e.g. headquarters, R&D centers).
- The analysis of distance effects and company capabilities for traversing distance discussed in Chapter 2 can be made significantly more granular when conducted at the city level. Rather than proxying travel time, for instance, based on

kilometers or miles of distance (using country-level weighted averages), city-level analysis can account for the actual availability and frequency of airline flights, rail connections, and so on. And when considering internal distance within firms, one can focus in on the people located in a particular local operation: Where do they have prior work experience? What languages do they speak? Such detailed analysis can provide a clearer view of how best to configure a firm to boost both external and internal connectivity.

Shifting the focus to public policy,

- City-level policy—like typical city rankings—tends to underemphasize connectedness. While it is natural and appropriate for local policymakers to have a primarily local focus, an exclusive focus on what lies within city limits can lead to what Bruce Katz and Jennifer Bradley call the "Starbucks, stadia, and stealing business" model of economic development.<sup>30</sup>
- We have already mentioned complementarities between city- and country-level policy, but it is worth adding that cities have domestic hinterlands in a way that has no country-level parallel. The role that cities play as nodes connecting their hinterlands with other countries/regions suggests a need for greater focus by city-level policymakers on the health of their hinterlands. Cities' international connectedness depends in part on the demand for connections to or from the regions that surround them.
- City-level policymakers—particularly in large countries—need to consider opportunities for competition and cooperation domestically as well as internationally.<sup>31</sup> Given the limited depth and breadth of globalization, other cities in the same country as well as nearby cities abroad will tend to be the most relevant ones to consider. To highlight just one example, research we conducted on Abu

Dhabi suggested that competition and cooperation with neighboring Dubai was so important that we started to think more broadly of "Abu Dubai."

To conclude, and to link the material covered here back to the discussion of global levels of connectedness in Chapter 1, city-level assessments of global connectedness (like their country-level counterparts) only make sense if one recognizes that the world is semiglobalized rather than completely globalized. If the world were perfectly "flat" as in Tom Friedman's imagery, 32 every place would be perfectly connected to every other place, and there would be no scope for global cities to have greater connectedness than a randomly chosen spot. One cannot sensibly discuss global cities with either complete globalization or, obviously, with zero globalization. So in addition to its empirical appeal, semiglobalization is the state of the world that is essential if the category of "global cities" is to have any meaningful content!

In a semiglobalized world, location matters because of what's available locally and the intensity of connections to the rest of the world. But much of the global cities literature has actually focused on local attractions rather than nonlocal connectivity, presumably under the assumption that "if we build it, they will come." Assuming that local attractions are an adequate proxy for international engagement can easily lead to questionable conclusions. As a result, we have focused here, despite data constraints that are much more severe than in the country-level analyses presented in earlier chapters, on actually measuring cities' global connectedness based exclusively on their actual international interactions.

# 3. GLOBAL CITITES: HOTSPOTS AND GIANTS **NOTES**

- 1 Edward Glaeser, Triumph of the City: How Our Greatest Invention Makes us Richer, Smarter, Greener, Healthier, and Happier, Penguin Press, 2011.
- 2 According to UN data, this milestone was crossed in 2007.
- **3** A detailed explanation is provided in the second major section of this chapter, under the heading New Methods for Measuring Global Cities.
- 4 The juxtaposition displayed in Figure 3.2 is not intended to imply causality in either direction between urbanization and globalization.
- 5 The term "world city" itself is older, dating back to a 1915 book by Patrick Geddes, and it was popularized in Peter Hall's 1966 book *The World Cities.* Source: Noel Castree, Rob Kitchin, and Alisdair Rogers, *A Dictionary of Human Geography*, Oxford University Press, 2013.
- 6 John Friedmann, "The World City Hypothesis," *Development and Change* 17(1), January 1986.
- 7 Saskia Sassen, *The Global City: New York, London, Tokyo*, Princeton University Press, 1991.
- 8 Saskia Sassen, "The global city: Introducing a concept," *The Brown Journal of World Affairs* 11(2), Winter-Spring 2005.
- 9 Sources for Figure 3.1:

Auckland: "Daring plan to make Auckland a city of art," NZ Herald, Febuary 22, 2016, http://www.nzherald.co.nz/entertainment/news/article. cfm?c\_id=1501119&objectid=11592813.

Bogotá: "Possession Speech—Mayor Enrique Peñalosa," Mayor of Bogotá, December 31, 2015, http://www.bogota.gov.co/alcalde-mayor/discursoposesion.

Chicago: "Mayor Emanuel Announced 'Opportunity Areas' As Part of Long-Term Strategic Vision to Support Growth and Development Across Chicago," City of Chicago, March 17, 2013, http://www.cityofchicago.org/ city/en/depts/mayor/press\_room/press\_releases/2013/march\_2013/mayor\_ emanuel\_announcesopportunityareasaspartoflong-termstrategi.html.

Johannesburg: "State of the City Address by the Executive Mayor of the City of Johannesburg, Councillor Mpho Parks Tau, Linder Auditorium, University of Witwatersrand—Johannesburg," Official Website of the City of Johannesburg, May 9, 2013, http://www.joburg.org.za/images/pdfs/ coj%20state%20of%20the%20city%20address%20soca%202013.pdf.

London: "Revealed: Sadiq Khan's open letter to businesses," LondonlovesBusiness, July 4, 2016, http://www.londonlovesbusiness.com/business-news/politics/revealed-sadiq-khans-open-letter-to-businesses/12414. article.

Moscow: "Sergei Sobyanin addresses 4th Moscow Urban Forum," Moscow City Government, December 11, 2014, http://www.old.mos.ru/en/press-center/transcripts/index.php?id\_4=31211.

New York: "State of the City Remarks by Mayor de Blasio, as Prepared for Delivery," The Official Website of the City of New York, February 4, 2016, http://www1.nyc.gov/office-of-the-mayor/news/133-16/state-the-city-remarks-mayor-de-blasio-prepared-delivery.

Portland: "Portland Mayor Sam Adams: Exit Time," About Face Magazine, March 23, 2013, http://aboutfacemag.com/interviews/community/samadams/.

Seoul: "Seoul mayor Oh Se-hoon sets sight high on city's future," International Business Times, November 19 2010, http://www.ibtimes. com/seoul-mayor-oh-se-hoon-sets-sight-high-citys-future-247764.

Tehran: "Tehran, Budapest Declared 'Sister Cities'," Tasnim News Agency, May 4, 2015, http://www.tasnimnews.com/en/news/2015/05/04/730431/ tehran-budapest-declared-sister-cities. Tel-Aviv: "Interview: Ron Huldai, Mayor of Tel Aviv," CitiesToday, February 18, 2016, http://cities-today.com/interview-ron-huldai-mayor-of-tel-aviv/?doing\_wp\_cron=1471976767.7949120998382568359375.

- 10 Sources for Figure 3.2: Urbanization 1820–1925: UN Population Division, "Orders of magnitude of the world's urban population in history," Table 8, October 21, 1976. Urbanization 1950–2015: UN Population Division, "World Urbanization Prospects," 2014 Revision. Exports 1820: Angus Maddison, Monitoring the World Economy 1820–1992, OECD 1995; Exports 1870–1950: Angus Maddison, The World Economy Volume 1: A Millennial Perspective and Volume 2: Historical Statistics. Development Centre Studies. OECD Publishing, 2006; Exports 1966–2015: World Bank World Development Indicators, World Trade Organization Statistics Database, and IMF World Economic Outlook; FDI 1913–1985: World Investment Report 1994; FDI 1990–2015: World Investment Report 2016.
- 11 Saskia Sassen, The Global City: New York, London, Tokyo, Princeton University Press, 1991. Similarly, Richard Florida—in one of his few attempts to consider the connections among the "peaks" (cities) that interest him—talks about increasing peak-to-peak connectivity, see: Richard Florida, "The World Is Spiky," The Atlantic, October 2005.
- 12 Based on 2015 GDP in US dollars as reported in Euromonitor Passport.
- 13 Peter J. Taylor and Robert E. Lang, "U.S. Cities in the 'World City Network,'" Brookings Institution: Metropolitan Policy Program, February 2005. https://www.brookings.edu/wp-content/ uploads/2016/06/20050222\_worldcities.pdf.
- 14 For an extended discussion of intranational applications of this type of content and business implications, refer to Pankaj Ghemawat "From International Business to Intranational Business," in *Emerging Economies and Multinational Enterprises*, edited by Laszlo Tihanyi, Elitsa R. Banalieva, Timothy M. Devinney, and Torben Pedersen, Emerald Group Publishing Limited, 2015.
- 15 Russell Hillberry and David Hummels, "Trade responses to geographic frictions: A decomposition using micro-data," *European Economic Review* 52(3), April 2008.
- 16 Harrison Hong, Jeffrey D. Kubik, and Jeremy C. Stein, "Thy neighbor's portfolio: Word-of-mouth effects in the holdings and trades of money managers," *The Journal of Finance* 60(6), December 2005.
- 17 Yuri Takhteyev, Anatoliy Gruzd, and Barry Wellman, "Geography of Twitter Networks," *Social Networks* 34(1), January 2012.
- 18 Scott Leff and Brittany Petersen, "Beyond the Scorecard: Understanding Global City Rankings," The Chicago Council on Global Affairs, May 2015.
- 19 Tim Moonen and Greg Clark, "The Business of Cities: What do 150 city indexes and benchmarking studies tell us about the urban world in 2013?" Jones Lang LaSalle, November 2013.
- 20 Jonathan V. Beaverstock, Richard G. Smith, and Peter J. Taylor, "A Roster of World Cities," *Cities* Vol. 16, No. 6, 1999.
- 21 These percentages are based on our own review of the A.T. Kearney index methodology in 2014, not how A.T. Kearney describes its index. The 2014 edition was used for this purpose because the 2016 edition of that index did not provide sufficient detail about its component measures to permit such an analysis.
- 22 Peter J. Taylor, Pengfei Ni, Ben Derudder, "The GUCP/CaWC Project," in Peter J. Taylor, Pengfei Ni, Ben Derudder, Michael Hoyler, Jin Huang, and Frank Witlox, eds., *Global Urban Analysis: A Survey of Cities in Globalization*, Routledge, 2011.

- 23 Based on data from the 2015 American Lawyer Global 100. Lawyers located abroad are defined here as those located outside of the country where the firm has the most lawyers (typically but not always the country where the firm's headquarters is located). The value reported in the text is a simple average across this sample of firms. If the average is weighted based on the number of lawyers in each firm, it rises to 35%.
- 24 Pankaj Ghemawat, Steven A. Altman, and Robert Strauss, "WPP and the Globalization of Marketing Services," IESE Business School Case Study SM-1600-E, June 2013.
- 25 Whereas the correlation between ATK and GaWC reflects only the 111 cities covered in common on both indexes, the correlations with GDP reflect all cities covered on each index: 125 on ATK and 307 on GaWC. These correlations pertain to ranks rather than scores or values.
- 26 The World Council on City Data (WCCD) is spearheading a promising effort to address this, but unfortunately, for our purposes, their current dataset does not cover cities' international interactions. It focuses instead on their internal attributes and activity. See http://www.dataforcities. org/.
- 27 Note that even the highest correlation among this set only implies that GDP explains about half of the variation in our Giants rankings.
- 28 "S. Rajaratnam's Speech on Singapore as a Global City," HistorySG, http://eresources.nlb.gov.sg/history/events/a5ea5bc9-2ea4-4dfc-b53dba45b567104c
- 29 Brian Solomon, "How Airbnb Expanded to 190 Countries by Thinking 'Glocal'," Forbes, May 3, 2016.
- **30** Bruce Katz and Jennifer Bradley, *The Metropolitan Revolution*, The Brookings Institution, 2013.
- 31 For a discussion of the sometimes-underappreciated opportunities for cooperation at the city level, refer to Peter J. Taylor, "Competition and Cooperation Between Cities in Globalization." GaWC Research Bulletin 351, Loughborough University, 2010.
- 32 Thomas L. Friedman, *The world is flat: A brief history of the twenty-first century*, Macmillan, 2005.

### CHAPTER 4 DHL GLOBAL CONNECTEDNESS INDEX METHODOLOGY

This chapter explains how the DHL Global Connectedness Index was constructed and describes the rationale for key methodological decisions. For a list of data sources employed and additional technical notes, please refer to Appendix B.

This explanation proceeds in five parts. First, it describes the selection of a set of specific aspects of the broad phenomena of global connectedness that are covered in the index. Second, it defines quantitative metrics for the measurement of each of these aspects of connectedness. Third, it identifies gaps in the availability of the data required to calculate those metrics, and discusses how such gaps were addressed. Fourth, it describes how these diverse metrics were made comparable before they were combined into the index ("normalization"). Fifth, it explains the aggregation and weighting mechanisms via which the metrics were finally combined into the index.

Throughout this chapter, the example of the Netherlands (the top ranked country on the 2016 DHL Global Connectedness Index) will be used to illustrate the calculations that were performed to generate the index. The methodology used to calculate the 2016 DHL Global Connectedness Index remains largely the same as in the previous edition, and minor changes this year are described in the sections that follow. The data used to compute the index have been completely updated both to extend the results up to 2015 as well as to incorporate revised source data for prior years.

#### 1. Selecting Aspects of Connectedness to Measure

Global connectedness is a multifaceted phenomenon incorporating many types of connections, so its measurement necessarily requires one to proceed from a specific definition of the phenomenon to the selection of a set of underlying metrics that will be included in its assessment. For the purpose of constructing the DHL Global Connectedness Index, the starting point is the following definition of global connectedness: GLOBAL CONNECTEDNESS REFERS TO THE *DEPTH* AND *BREADTH* OF A COUNTRY'S INTEGRA-TION WITH THE REST OF THE WORLD, AS MANIFESTED BY ITS PARTICIPATION IN INTERNATIONAL FLOWS OF *PRODUCTS AND SERVICES, CAPITAL, INFORMATION, AND PEOPLE.*<sup>1</sup>

As this definition implies, connectedness is measured here based on *actual flows* that take place between and among countries. Depending on relevant time frames and data availability, some flows are measured directly in the current year while others are measured based on stocks cumulated from prior year flows. The focus on actual flows is motivated by the sense that while connectivity or the technical potential for connectedness has improved a great deal thanks to changes in transportation and communications technologies, actual levels of flows significantly lag that potential. This focus also allows the index to be generated based solely on *hard data*, which makes it ideal for dispelling myths about globalization ("globaloney").

Furthermore, by focusing the index itself on actual flows, enablers of connectedness (such as the political variables covering tariffs, embassies, and so on, included in other globalization indexes) may be analyzed separately in relation to the index (since they are not mixed into the index along with the actual flows). This is intended to make the index more useful for policymakers seeking insight into how to foster the aspects of connectedness that they deem most constructive for their countries, a topic that was examined at some length in Chapters 4 and 5 of the 2011 edition and Chapter 4 of the 2012 edition of this report.

The definition of global connectedness used here also identifies four specific categories of flows that are covered as the four pillars of the index. These are: trade flows (products and services), investment flows (capital), information flows, and people flows. While the selection of these categories

#### TABLE 4.1 // PILLARS AND COMPONENTS

| Pillar         | Component                                   |  |  |
|----------------|---------------------------------------------|--|--|
| 1. Trade       | 1.1. Merchandise Trade                      |  |  |
|                | 1.2. Services Trade                         |  |  |
| 2. Capital     | 2.1. Foreign Direct Investment (FDI) Stocks |  |  |
|                | 2.2. Foreign Direct Investment (FDI) Flows  |  |  |
|                | 2.3. Portfolio Equity Stocks                |  |  |
|                | 2.4. Portfolio Equity Flows                 |  |  |
| 3. Information | 3.1. International Internet Bandwidth       |  |  |
|                | 3.2. Telephone Call Minutes                 |  |  |
|                | 3.3. Trade in Printed Publications          |  |  |
| 4. People      | 4.1. Migrants (foreign born population)     |  |  |
|                | 4.2. Tourists (departures and arrivals)     |  |  |
|                | 4.3. International Students                 |  |  |

of flows was ultimately a subjective choice, they seem to encompass most of the aspects of international connectedness that have maximum relevance for business people, policymakers, and ordinary citizens concerned with the impact of globalization on their life opportunities.

Within these four pillars, individual types of flows are the components from which the index is built up. These were selected via an extensive search for data on actual flows corresponding to each of the four pillars followed by the choice of a small set of flows within each category based on their importance to the overall phenomenon of connectedness as well as the availability of hard data on which they could be measured. The twelve components that were ultimately selected across the four pillars are shown in **Table 4.1**.

A few points merit elaboration regarding the selection of aspects of connectedness for measurement. First are the cases where stocks cumulated from prior flows are utilized. In the capital pillar, flows are paired with stocks. Foreign investment stocks (the result of flows accumulated over time, as well as reinvested earnings and changes in the valuation of assets) are an important indicator of enduring connections between countries, which have ongoing effects via corporate governance, and in the case of FDI, through managerial control. Investment stocks also help balance out the high year-to-year volatility of capital flows. On the people pillar, migration and international students are also measured using stocks (the number of people abroad at a given time rather than those who moved in a given year). This aligns with the long-term and medium-term nature of these interactions (which have multi-year time horizons), and complements the short-term nature of tourism which rounds out the people pillar and is measured based on annual flows. The links that migrants and students retain to their countries of origin reflect aspects of connectedness that persist beyond the years when they relocated.

The second departure from the standard focus on flows is the inclusion of international internet bandwidth, which is used as a proxy for international internet traffic because of the lack of sufficient data on the latter.<sup>2</sup>

Additionally, it is worth noting that some aspects of connectedness were excluded due to normative considerations. Because the index has been designed to help countries identify and pursue opportunities to capture more of the potential benefits of connectedness, flows that are generally viewed as primarily harmful (especially on a net global basis) are not covered in the index.<sup>3</sup> For example, an index focused on harms might include international transmission of diseases and cross-border environmental pollution, but these are not covered here.<sup>4</sup>

Somewhat more controversially, the coverage of capital flows in this index is restricted to equity capital, and excludes cross-border debt. This reflects research indicating the more favorable impacts of international equity investment (especially foreign direct investment but also portfolio equity) relative to debt investment. The financial crisis that began in 2007–08 provided an illustration of some of the risks associated with international indebtedness.

#### 2. Defining Metrics

Having identified the set of component flows based on which global connectedness will be measured, the next step is to identify appropriate metrics to quantify each of these flows. Building on the definition of global connectedness shown above, these metrics must capture each flow's depth as well as its breadth. Consider each of these aspects in turn.

DEPTH refers to the size of a country's international flows as compared to a relevant measure of the size of its domestic economy. It reflects in simple terms how important or pervasive interactions with the rest of the world are in the context of business or life in a particular country.

For the merchandise trade component, depth is measured by comparing the value of each country's merchandise exports and imports to its GDP, yielding the metrics of merchandise exports and merchandise imports as percent

#### TABLE 4.2 // DEPTH METRICS BY COMPONENT

| Pillar         | Component                                                                                            | Domestic Comparison for Depth        |
|----------------|------------------------------------------------------------------------------------------------------|--------------------------------------|
| 1. Trade       | 1.1. Merchandise Trade                                                                               | GDP                                  |
|                | 1.2. Services Trade (Commercial Services Only)                                                       | GDP                                  |
| 2. Capital     | 2.1. Foreign Direct Investment (FDI) Stocks                                                          | GDP                                  |
|                | 2.2. Foreign Direct Investment (FDI) Flows (moving average of last 3 years)                          | Gross Fixed Capital Formation (GFCF) |
|                | 2.3. Portfolio Equity Stocks                                                                         | Stock Market Capitalization          |
|                | 2.4. Portfolio Equity Flows (moving average of last 3 years)                                         | Stock Market Capitalization          |
| 3. Information | 3.1. International Internet Bandwidth                                                                | Internet Users                       |
|                | 3.2. Telephone Call Minutes                                                                          | Population                           |
|                | 3.3. Trade in Printed Publications (H.S. Code 49 covering printed books, newspapers, pictures, etc.) | Population                           |
| 4. People      | 4.1. Migrants (foreign born population)                                                              | Population                           |
|                | 4.2. Tourism (departures and arrivals of overnight tourists)                                         | Population                           |
|                | 4.3. International Students                                                                          | Tertiary Education Enrollment        |

of GDP. Thus, in 2015, the Netherlands' merchandise exports were 77% of its GDP and merchandise imports 68%.

A comparison of the Netherlands versus the United States illustrates the importance of scaling depth metrics based on the size of each country's national economy. US exports were more than 2½ times as large as the Netherlands' exports in 2015, but the US economy was roughly twentyfour times larger. Thus, even though the United States was a much larger exporter, the Netherlands was far more connected than the United States internationally with respect to merchandise exports, as reflected by its exports as percent of GDP ratio of 77% versus only 8% for the United States. As tends to be the case, the vast majority of economic activity in a large country such as the US takes place within the country's borders, whereas smaller countries tend to have a much higher proportion of their business activity involving foreign buyers or sellers.

To implement these depth metrics, a relevant measure of a country's domestic economy must be selected as the basis of comparison for each type of international flow. Such measures are identified in **Table 4.2**, which also provides additional details about the flow metrics used for assessing depth.

Foreign direct investment (FDI) flows are compared with gross fixed capital formation (GFCF). This measure is a more precise match for FDI flows than GDP, allowing the metric to characterize the percentage of a country's fixed capital investment that takes place across versus within international borders.<sup>5</sup> For portfolio equity flows and stocks, stock market capitalization is used as the domestic comparison, since a large proportion of portfolio equity investment takes place on public stock markets.

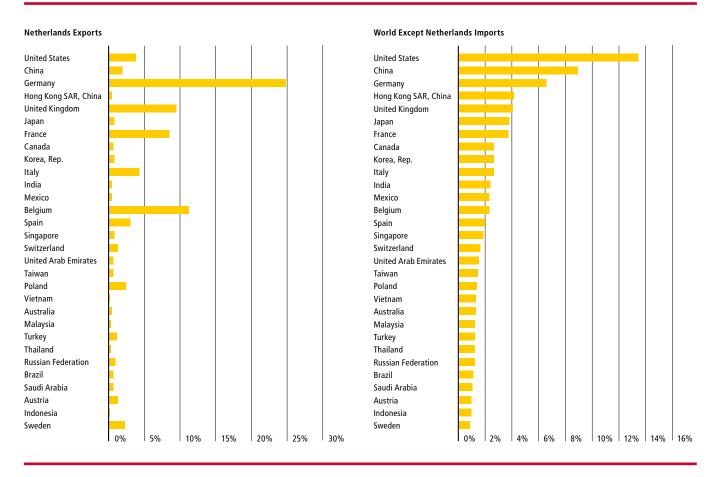
FDI and portfolio equity flows are measured using threeyear moving averages (in country-level analysis only) because these flows tend to be especially volatile. Year-toyear fluctuations in such metrics tend to reflect macroeconomic conditions and merger waves more than long-lived changes in levels of connectedness.

Information and people flows are measured on a per-capita basis. Total population is used across all of these metrics except for international internet bandwidth (where internet users is a more precise match) and international university students (where total tertiary education enrollment is the best match).

For the measurement of the depth of services trade, only commercial services are included; government services are excluded.

BREADTH measures how closely a country's distribution of international flows across its partner countries matches the global distribution of the same flows in the opposite direction. The breadth of a country's merchandise exports, for example, is measured based on the difference between the distribution of its exports across destination countries

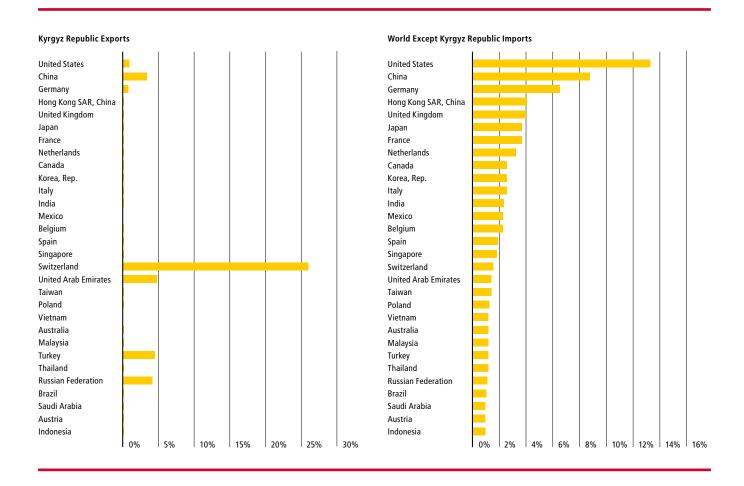
#### FIGURE 4.1 // COUNTRY MERCHANDISE EXPORTS VERSUS REST OF WORLD IMPORTS (%) TOP 30 IMPORTING COUNTRIES ONLY



#### China Exports

| China Exports             |     |          |     |     |     |     |     | world Except China i | mports |    |    |    |    |     |     |     |
|---------------------------|-----|----------|-----|-----|-----|-----|-----|----------------------|--------|----|----|----|----|-----|-----|-----|
| United States             |     | -        |     | -   |     |     |     | United States        |        |    |    |    |    |     |     |     |
| Germany                   |     |          |     |     |     |     |     | Germany              |        |    |    |    |    |     |     |     |
| Hong Kong SAR, China      | a 📃 |          |     |     |     |     |     | Hong Kong SAR, China |        |    | •  |    |    |     |     |     |
| United Kingdom            |     |          |     |     |     |     |     | United Kingdom       |        |    | •  |    |    |     |     |     |
| Japan                     |     | <b>.</b> |     |     |     |     |     | Japan                |        |    |    |    |    |     |     |     |
| France                    |     |          |     |     |     |     |     | France               |        |    |    |    |    |     |     |     |
| Netherlands               |     |          |     |     |     |     |     | Netherlands          |        |    |    |    |    |     |     |     |
| Canada                    | -   |          |     |     |     |     |     | Canada               |        |    |    |    |    |     |     |     |
| Korea, Rep.               |     |          |     |     |     |     |     | Korea, Rep.          |        |    |    |    |    |     |     |     |
| Italy                     | -   |          |     |     |     |     |     | Italy                |        |    |    |    |    |     |     |     |
| India                     |     |          |     |     |     |     |     | India                |        |    |    |    |    |     |     |     |
| Mexico                    |     |          |     |     |     |     |     | Mexico               |        |    |    |    |    |     |     |     |
| Belgium                   | -   |          |     |     |     |     |     | Belgium              |        | •  |    |    |    |     |     |     |
| Spain                     |     |          |     |     |     |     |     | Spain                |        |    |    |    |    |     |     |     |
| Singapore                 |     |          |     |     |     |     |     | Singapore            |        |    |    |    |    |     |     |     |
| Switzerland               |     |          |     |     |     |     |     | Switzerland          |        |    |    |    |    |     |     |     |
| United Arab Emirates      | -   |          |     |     |     |     |     | United Arab Emirates |        |    |    |    |    |     |     |     |
| Taiwan                    |     |          |     |     |     |     |     | Taiwan               |        |    |    |    |    |     |     |     |
| Poland                    | -   |          |     |     |     |     |     | Poland               |        |    |    |    |    |     |     |     |
| Vietnam                   |     |          |     |     |     |     |     | Vietnam              |        |    |    |    |    |     |     |     |
| Australia                 | -   |          |     |     |     |     |     | Australia            |        |    |    |    |    |     |     |     |
| Malaysia                  |     |          |     |     |     |     |     | Malaysia             |        |    |    |    |    |     |     |     |
| Turkey                    | •   |          |     |     |     |     |     | Turkey               |        |    |    |    |    |     |     |     |
| Thailand                  |     |          |     |     |     |     |     | Thailand             |        |    |    |    |    |     |     |     |
| <b>Russian Federation</b> |     |          |     |     |     |     |     | Russian Federation   |        |    |    |    |    |     |     |     |
| Brazil                    |     |          |     |     |     |     |     | Brazil               |        |    |    |    |    |     |     |     |
| Saudi Arabia              |     |          |     |     |     |     |     | Saudi Arabia         |        |    |    |    |    |     |     |     |
| Austria                   |     |          |     |     |     |     |     | Austria              |        |    |    |    |    |     |     |     |
| Indonesia                 |     |          |     |     |     |     |     | Indonesia            |        |    |    |    |    |     |     |     |
| Sweden                    |     |          |     |     |     |     |     | Sweden               |        |    |    |    |    |     |     |     |
|                           | 0%  | 5%       | 10% | 15% | 20% | 25% | 30% |                      | 0%     | 2% | 4% | 6% | 8% | 10% | 12% | 14% |

#### World Except China Imports



versus the rest of the world's distribution of merchandise imports.<sup>6</sup>

As the focus in breadth is on the geographical distribution of the flows, the absolute value of FDI flows is considered when calculating breadth. This eliminates the possibility of there being anomalous results for some countries due, for example, to a large negative value caused by a repatriation of capital.

To elaborate how this metric works, compare the breadth of the Netherlands' merchandise exports versus those of China and Kyrgyz Republic. The Netherlands ranks 42<sup>nd</sup> globally on this metric, and China and Kyrgyz Republic are the top and bottom ranked countries on this metric respectively. **Figure 4.1** juxtaposes each of these countries' distributions of merchandise exports by destination against the distribution of the rest of the world's merchandise imports. To make the charts easier to read, only the top 30 importers are shown in each pair. Notice how China's exports most closely resemble world imports, the Netherlands' bear moderately close resemblance, and Kyrgyz Republic's bear almost no resemblance at all. Thus, China's exports have the highest breadth, the Netherlands' are fairly close behind, and Kyrgyz Republic's have very low breadth.

To convert the graphical pattern exhibited on these charts into a numerical metric, the absolute value of the difference between each bar on the right and left charts in each set (exports minus world except focal country imports) is computed, and then these values are summed vertically across all of the bars (partner countries). The scores are then rescaled between 0 and 1 and subtracted from the number 1 in order to reverse the order, so that the country with the highest breadth score (lowest sum of the absolute values) is the country whose exports best match world imports and the country with the lowest score (highest sum of the absolute values) has the least close match between its exports and world imports.

To summarize mathematically, breadth is calculated for a Country A by finding the Sum across all partner countries of [Absolute Value of (Partner Country's % Share of Country A's Exports minus Partner Country's % Share of World

#### TABLE 4.3 // BREADTH COVERAGE BY COMPONENT

| Pillar         | Component                                                                                            | Covered in Breadth? |
|----------------|------------------------------------------------------------------------------------------------------|---------------------|
| 1. Trade       | 1.1. Merchandise Trade                                                                               | Yes                 |
|                | 1.2. Services Trade                                                                                  | No                  |
| 2. Capital     | 2.1. Foreign Direct Investment (FDI) Stocks                                                          | Yes                 |
|                | 2.2. Foreign Direct Investment (FDI) Flows (average of last 3 years)                                 | Yes                 |
|                | 2.3. Portfolio Equity Stocks                                                                         | Yes (Outward Only)  |
|                | 2.4. Portfolio Equity Flows (average of last 3 years)                                                | No                  |
| 3. Information | 3.1. International Internet Bandwidth                                                                | No                  |
|                | 3.2. Telephone Call Minutes                                                                          | Yes                 |
|                | 3.3. Trade in Printed Publications (H.S. Code 49 covering printed books, newspapers, pictures, etc.) | Yes                 |
| 4. People      | 4.1. Migrants (foreign born population)                                                              | Yes                 |
|                | 4.2. Tourism (departures and arrivals of overnight tourists)                                         | Yes (Inbound Only)  |
|                | 4.3. International Students                                                                          | Yes (Inbound Only)  |

Imports Excluding Country A's Imports]. Then, these results are rescaled between 0 and 1 and then subtracted from 1.

#### 3. Addressing Data Gaps

Given the very large data requirements of an analysis such as the DHL Global Connectedness Index (more than 1.8 million data points were used to calculate the index over an eleven-year period), there are many cases where the targeted data are unavailable. Data availability constraints are especially severe for breadth and for smaller and less developed countries. Therefore, three methods are employed to generate the index in spite of missing data: exclusion of some components from the breadth analysis, adjusting weights to account for missing countries for specific components, and filling gaps via interpolation and repetition. With regards to repetition, this edition of the index introduces a limit of five years to repetition of data.

To elaborate, first of all, it is not possible to cover all of the same component flows in breadth as in depth, because for many countries data are only available on the total magnitude of the flows in question, not how they are distributed by origin and destination. Therefore, some components that are included in depth are excluded from breadth, as shown in **Table 4.3**.

Second, there are also situations where the data required to calculate metrics for both depth and breadth are available for some but not all of the target countries. In such cases the weights for calculating a country's pillar and index scores are adjusted so that the weight that would normally be applied to a missing component is redistributed proportionally across the remaining available components.

If many of the components for a particular country are unavailable, a country's score at the pillar or the overall index level may be deemed to be based on inadequate data and thus not displayed. To address such cases the following rules<sup>7</sup> are applied:

- At the pillar level, if more than 30% of the depth components (by weight) or if more than 50% of the breadth components (by weight) are missing, then the pillar score is not displayed.
- For the overall index, if more than 33% of the depth components (by weight) or if more than 50% of the breadth components (by weight) are missing, the overall index is not computed, and the country is dropped from the analysis.

Why the stricter rules for depth than for breadth and the acceptance of only a subset of components for the latter? This reflects both the challenge entailed with producing breadth measures (which require hundreds of data points per country covered for each component versus only two for depth) and their importance.

Furthermore, the differences in coverage may also be justified in part by the fact that the unavailable data are unlikely to be distributed randomly. The countries for which data

#### TABLE 4.4 // MISSING COMPONENTS IN DEPTH (DATA MISSING FOR FULL COMPONENT IN AT LEAST ONE YEAR)

| Component                   | Data Gap                                     | Remedy                                                     |
|-----------------------------|----------------------------------------------|------------------------------------------------------------|
| 3.2. Telephone Call Minutes | No 2015 data                                 | 2014 data repeated in 2015                                 |
| 4.1. Migrants               | Data available only for 2005, 2010, and 2015 | Linear interpolation employed over 2006–2009 and 2011–2014 |
| 4.2. Tourists               | No 2015 data                                 | 2014 data repeated in 2015                                 |
| 4.3. Students               | Outbound: No 2015 data                       | 2014 data repeated in 2015                                 |

#### TABLE 4.5 // MISSING COMPONENTS IN BREADTH (DATA MISSING FOR FULL OR CLOSE TO FULL COMPONENT IN AT LEAST ONE YEAR)

| Component                    | Data Gap                                     | Remedy                                                       |
|------------------------------|----------------------------------------------|--------------------------------------------------------------|
| 2.1. FDI Stocks              | No 2015 data                                 | 2014 data repeated in 2015                                   |
| 2.2. FDI Flows               | No 2013, 2014, or 2015 data                  | 2012 data (3 year averages) repeated in 2013, 2014, and 2015 |
| 2.3. Portfolio Equity Stocks | No 2015 data                                 | 2014 data repeated in 2015                                   |
| 3.2. Telephone Call Minutes  | No 2015 data                                 | 2014 data repeated in 2015                                   |
| 4.1. Migrants                | Data available only for 2005, 2010, and 2015 | Linear interpolation employed over 2005–2009 and 2011–2014   |
| 4.2. Tourists                | No 2015 data                                 | 2014 data repeated in 2015                                   |
| 4.3. Students                | No 2015 data available                       | 2014 data repeated in 2015 for all other countries           |

are missing, especially for the capital pillar, tend to have more limited levels of capital market integration (lower depth). When a country has a very low level of depth on a given component, its score on breadth for that component is less relevant for the assessment of its overall level of global connectedness.

Third, for both depth and breadth, there are cases where the required data for one or more countries are available in some but not all of the years for which the index is calculated. The 2016 DHL Global Connectedness Index is based primarily on 2015 data, but where 2015 data are unavailable, the most recent available data are used.

When there are gaps in the available data in the middle of a data series (e.g. data are available for 2007 and 2009 but not 2008), linear interpolation is used to fill the gaps. When data gaps lie before or after all of the available data, they are filled by repeating the values for the closest available year (with a given value repeated a maximum of five times). For example, if the latest data available are from 2011 (no data are available for 2012 – 2015), the 2011 value will be repeated over the period 2012 – 2015. If the most recent available data pertain to 2009, the 2009 value would be repeated over the period 2010 - 2014, and the value would be treated as missing (and not reported) in 2015.

The 5-year limit on repetition is an enhancement introduced in this edition of the index. This change was motivated by the expansion of the time series covered on the index since the original development of the methodology. In the original (2011) edition, the index covered only six years of data, precluding any possibility of repeating values over more than five years. In this edition, the time series covers eleven years and without the addition of such a restriction, a 2005 data point could be repeated all the way to 2015. The specific choice to limit to five years of repetition (rather than, say, four or six) reflected a balance between considerations of data quality and index coverage.

In most cases, data gaps affect only a subset of the countries on any given component in any given year. However, there *are* some components where all countries have missing data for at least one year. Those cases and the remedies employed are described in **Tables 4.4 and 4.5**. Note that the data gaps are especially severe in 2015 for breadth, owing to much more limited and slower reporting of flows by partner as compared to aggregate flows. Where data for all countries on a given indicator are repeated, the five-year limit on repetition of country-level data may, on an exceptional basis, be extended to permit the consistent repetition of all countries' data.

Due to a change in the international standards for foreign direct investment reporting, a complete time series was not available for FDI flows breadth data over the 2005 – 2015 period.<sup>8</sup> Because data following the new guidelines are currently very limited, the most recent available data using the older standard are employed in this edition of the index. Although this results in the most recent data pertaining to 2012 on this variable, the use of a new data source has allowed us to more than double the number of countries covered on this indicator.<sup>9</sup> Because data were not available for years past 2012, the data for 2012 are repeated through 2015.

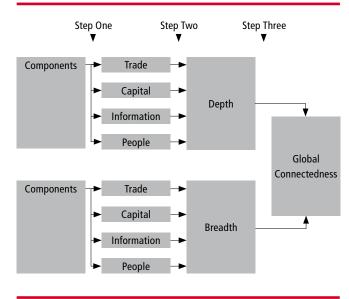
Finally, we screen the breadth data to ensure adequate coverage across partners. Breadth scores for a given country in a given year are only deemed reportable if the sum of that country's flows (or stocks) add up to between 80% and 110% of that country's reported world total flows (or stocks) within the same breadth data source. When a country's data fail to meet these coverage criteria in a given year but are available in at least one other year, its breadth score is replaced with one generated based on interpolation or repetition according to the rules described above. If a country's data fail to meet the coverage criteria in any year, no breadth score is reported for that country for that component, and the lack of a reportable breadth score is counted toward the data adequacy threshold described earlier, i.e. if more than 50% of the breadth components (by weight) are missing, no overall breadth score can be reported and the country is dropped from the index.

The use of a uniform coverage requirement across all breadth components enables uniform treatment of missing values across breadth datasets. Countries may report interactions with only a subset of their partners for a variety of reasons: unreported flows may reflect negligible values, lack of data availability, confidential data, or other reporting preferences on the part of the data source. Having restricted the analysis to data with coverage ratios between 80% and 110%, all remaining data gaps are filled with zeros.

#### 4. Making Metrics Comparable (Normalization)

After computing the metrics and filling in the data gaps as described above, the results must be made comparable or "normalized" before they can be combined into the index. This is necessary because the various metrics have different units and distributions.

#### FIGURE 4.2 // AGGREGATION STRUCTURE



The simple method employed in the DHL Global Connectedness Index to make all of the diverse metrics comparable is to convert each distribution into its corresponding percentile ranks, over the period from 2005 to 2015. Thus, rather than comparing the different metrics directly, instead, each country's rank position on each of the metrics' distributions is compared.

For example the Netherlands' merchandise exports as percentage of GDP ratio (the metric employed to measure the depth of its merchandise exports) was 77% in 2015. 96% of the scores across all countries on this metric over the period from 2005 to 2015 were lower than 77%. Thus, the Netherlands' raw score of 77% converts to a normalized score of 0.96. The United States' score of 8% converts to a normalized score of 0.05, because only 5% of all of the scores observed on that metric were less than 8%.

Note that the normalization calculations are performed over the period 2005 to 2015 rather than year-by-year. This method, called "panel normalization," was selected because it permits the comparison of global connectedness scores across this period to spot trends in levels of connectedness. Because this method requires renormalizing the data each time the index is updated, scores should only be compared across years within a single edition of the index. Readers should, for example, assess changes from 2013 to 2015 by comparing 2013 versus 2015 scores in this edition of the index rather than by comparing 2015 scores from this edition with 2013 scores from the 2014 edition.

#### TABLE 4.6 // WEIGHTS

| Pillar (Weight % of Total) | Depth Component (Weight % of Pillar)        | Breadth Component (Weight % of Pillar)   |  |
|----------------------------|---------------------------------------------|------------------------------------------|--|
| 1. Trade (35%)             | 1.1 Merchandise Trade (75%)                 | 1.1 Merchandise Trade (100%)             |  |
|                            | 1.2 Services Trade (25%)                    |                                          |  |
| 2. Capital (35%)           | 2.1. FDI Stocks (25%)                       | 2.1. FDI Stocks (25%)                    |  |
|                            | 2.2. FDI Flows (25%)                        | 2.2. FDI Flows (25%)                     |  |
|                            | 2.3. Portfolio Equity Stocks (25%)          | 2.3. Portfolio Equity Stocks (50%)       |  |
|                            | 2.4. Portfolio Equity Flows (25%)           |                                          |  |
| 3. Information (15%)       | 3.1. International Internet Bandwidth (40%) |                                          |  |
|                            | 3.2. Telephone Call Minutes (40%)           | 3.2. Telephone Call Minutes (67%)        |  |
|                            | 3.3. Trade in Printed Publications (20%)    | 3.3. Trade in Printed Publications (33%) |  |
| 4. People (15%)            | 4.1. Migrants (33%)                         | 4.1. Migrants (33%)                      |  |
|                            | 4.2. Tourists (33%)                         | 4.2. Tourists (33%)                      |  |
|                            | 4.3. Students (33%)                         | 4.3. Students (33%)                      |  |

#### 5. Aggregation and Weights

The overall index is built up from its constituent components via three steps, as illustrated in **Figure 4.2**. First, the individual components are aggregated into pillars, resulting in the computation of distinct pillars of the same type for depth and breadth. Then, overall depth and breadth scores are computed. Finally, these two dimensions of the analysis are combined to produce the DHL Global Connectedness Index.

At each stage of the aggregation process, the constituent components are added together as weighted sums, according to the weights shown in **Table 4.6**. These weights reflect the authors' judgment of the relative importance and value of each pillar and component to the overall evaluation of global connectedness, based on the rationales described below.

The trade and capital pillars are each assigned higher weights (35% each) than the information and people flow pillars (15% each). This reflects how trade and capital flows have tended to be more integrated than information and people flows on a global basis as indicated by depth measures at the global level. While the specific levels vary based on the flows covered and the definitions used, this pattern generally bears out across metrics, though finer analyses do tend to indicate higher (and rising) intensity of information flows relative to people flows.

Within the trade pillar, 75% of the weight is assigned to merchandise trade and 25% is assigned to services trade.

Over the past decade, merchandise trade on average has been roughly four times larger than services trade. However, the growth rate of services trade has tended to be higher. Thus, in 2015, merchandise trade was only 3.5 times larger than services trade. Reflecting this long term trend, we assign three times more weight to merchandise trade than to services trade.

In the capital pillar, equal weights are assigned to FDI and portfolio equity. The relative magnitudes of FDI versus portfolio equity investment stocks vary year-to-year, without one consistently outstripping the other, as was the case for merchandise trade versus services trade. Furthermore, within FDI, equal weights are assigned to both stocks and flows because they both measure distinct and important aspects of connectedness: flows indicating a country's current participation in cross-border investment activity and stocks indicating its participation in another country's economy via the exercise of its rights as a shareholder (and manager in the case of FDI).

Among the information components, telephone calls and international internet bandwidth are each weighted at 40%, double the weight assigned to trade in books and other printed publications (20%). This reflects the imperfection of the latter indicator (publications are often printed in multiple locations rather than traded across borders in physical form) and the trend toward more information flows taking place digitally rather than via physical trade in printed publications. Within the people pillar, equal weights are assigned to migration, tourism, and student mobility. Each of these components reflects a distinct aspect of connectedness and spawns distinct effects that range across the other components (e.g. students serving as conduits of information and migrants promoting trade). Without an obvious basis for assigning different weights, they are treated as having equal importance.

Thus, in Step 1, the Netherlands' trade pillar score for depth is computed as follows. The Netherlands' normalized scores for each of the trade components are: merchandise exports 0.96, merchandise imports 0.92, services exports 0.90, and services imports 0.93. Within each type of flow, the weights are divided equally among the directional flows. Thus, the 75% weight assigned to merchandise trade becomes 37.5% each for merchandise exports and merchandise imports, and the 25% weight assigned to services trade becomes 12.5% each for services exports and services imports. Multiplying the normalized scores times the corresponding weights and then adding up the products, the Netherlands receives a score of 0.93 for the trade pillar for depth.

Step 2 proceeds in the same fashion as Step 1, but includes all of the components across the four pillars to generate overall results for the depth and breadth dimensions. Even if the rules for dealing with missing data outlined above do not allow a given pillar for a particular country to be displayed, the available components from that pillar are still used to generate the depth and breadth results, if missing data rules allow those aggregate results to be shown.

Finally in Step 3, the depth and breadth scores are combined, with equal weights applied to both. However, to ensure that the different shapes of their distributions do not interfere with equal weighting at this step, and to make the results more intuitively understandable for readers, both depth and breadth scores are rescaled between 0 and 50. Then, they are simply added together, producing the final Global Connectedness Index, with possible scores ranging from 0 to 100.

Thus, the Netherlands' original depth and breadth scores of .85 and .83 respectively were rescaled to become 45 and 46. The sum of these scores, 91, is the Netherlands' overall 2015 score on the 2016 DHL Global Connectedness Index.

## 4. DHL GLOBAL CONNECTEDNESS INDEX METHODOLOGY **NOTES**

- 1 The definition we employ here draws upon the one proposed in David Held, Anthony G. McGrew, David Goldblatt, and Jonathan Perraton, *Global Transformations: Politics, Economics and Culture*, Stanford University Press, 1999. For analysis demonstrating its prominence in the business and economics literature as well discussion of how our conception of globalization differs from the one captured in that definition, refer to Pankaj Ghemawat and Steven A. Altman, "Defining and Measuring Globalization," Chapter 1 in Pankaj Ghemawat, *The Laws of Globalization and Business Applications*, Cambridge University Press, 2017.
- 2 The use of international internet bandwidth as a proxy for internet traffic draws support from a comparison of the variables "international internet bandwidth" and "used international internet bandwidth (traffic)" in the International Telecommunication Union's World Telecommunication/ICT Indicators database (July 2016 edition). Among the 81 countries with data available on both variables in 2015, the values reported were the same for 75 countries and the correlation between the two variables was 0.98.
- **3** For an extended discussion of potential harms associated with globalization, refer to chapters 5–11 of Pankaj Ghemawat, *World 3.0: Global Prosperity and How to Achieve It*, Harvard Business Review Press, 2011.
- 4 The Maastricht Globalization Index does seek to incorporate analysis of harms associated with globalization. See Lukas Figge and Pim Martens, "Globalisation Continues: The Maastricht Globalisation Index Revisited and Updated," *Globalizations*, 2014. http://dx.doi.org/10.1080/14747731.2014.887389.
- 5 No similarly precise match is available for FDI stocks, so GDP is retained as the domestic comparison for FDI stocks.
- 6 Breadth calculations use implied opposite direction flows based on the data reported for the direction being analyzed. In the example discussed here, exports are compared to implied imports based on reported exports.
- 7 Note that in the Depth Dimension, the data availability rules applied here are stricter than those in the KOF Globalization Index (which only measures Depth). The 2016 edition of that index allows results to be displayed if up to 40% of the underlying variables are missing.
- 8 For details, refer to the OECD's announcement at http://www.oecd.org/investment/fdibenchmarkdefinition.htm
- 9 For prior editions of the index, we relied primarily on FDI flows data from the OECD. In this edition, we use the UNCTAD Bilateral FDI Statistics, which were first released in 2014 and (as of this writing) have not yet been updated.

## **DISTINCTIVE FEATURES** OF THE DHL GLOBAL CONNECTEDNESS INDEX

The DHL Global Connectedness Index is not the first or only publication to rank countries based on their levels of international integration. The first globalization index to attract significant attention was produced by the consulting firm A.T. Kearney in collaboration with Foreign Policy magazine, and was introduced in 2001. But as that index has not been released since 2007, it will not be discussed further here. There are, however, four other globalization indexes that have been published more than once and continue to be updated: the KOF Index of Globalization, the Ernst & Young (E&Y) Globalization Index (developed in cooperation with the Economist Intelligence Unit), the Maastricht Globalization Index (MGI), and the McKinsey Global Institute Connectedness Index (McK). The following points highlight features that distinguish the DHL Global Connectedness Index from the others:

#### **Focus on Actual Flows**

The DHL Global Connectedness Index pioneered the computation of a globalization index with a strict focus on measures of actual international flows (and stocks), a design choice that was subsequently adopted by McK, the only major new index introduced after the DHL Global Connectedness Index.<sup>1</sup> All of the other indexes devote a substantial portion of their weight to measures of presumed policy and technology enablers of globalization, as shown in Figure 4.3.<sup>2</sup> The KOF index, at the extreme, devotes more than half of its weight to such indicators, which is one of the main reasons why it (along with E&Y) registered only a pause rather than a drop during the 2008–09 financial crisis.<sup>3</sup> The DHL Global Connectedness Index was the only one of the established indexes that clearly picked up on what was widely regarded at the time as globalization's largest reversal in decades.<sup>4</sup>

Mixing together actual international interactions with their enablers is problematic not only because it reduces

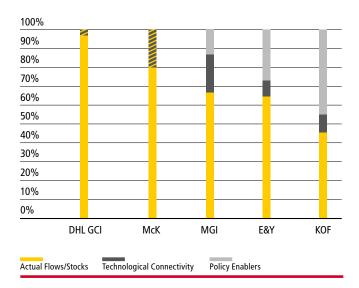
the sensitivity of an index to year-to-year changes in levels of globalization. It also interferes with the use of an index for policy analysis. Separate measures of presumed causes and effects are required to evaluate how the former actually relate to the latter. The 2011 and 2012 editions of the DHL Global Connectedness Index feature such policy analysis. Among the most interesting findings is that policies designed to improve countries' domestic business environments can sometimes do even more to deepen their levels of connectedness than policies that focus specifically on easing international interactions.

The sole measure of technological connectivity (rather than actual connectedness) incorporated in our index (and also in McK's) is international internet bandwidth, which is used to proxy international internet traffic (and is therefore depicted on Figure 4.3 with stripes corresponding to the colors for both of these types of measures). While imperfect, this does, at least, measure international connectivity, whereas all three of the other indexes include technological connectivity measures that are not specifically international. Thus, KOF, E&Y, and MGI, all include data on the number of internet users in a country, even though, as we reported in Chapter 1, the internet is used far more intensively for domestic rather than international communication. Similarly, KOF also includes the number of televisions per capita and MGI the number of mobile phone subscriptions per capita, both of which better track domestic rather than international connectivity.

For the same reasons that we exclude enablers of globalization from the DHL Global Connectedness Index, we also choose not to include a pillar focused on its broader societal or cultural impacts (a pillar that is included in KOF, E&Y, and MGI). Again, we find it more useful to focus on as pure a measure as we can of international interactions, which can then be analyzed

## FIGURE 4.3 // COMPARISON ACROSS GLOBALIZATION INDEXES:

WEIGHTS ASSIGNED TO ACTUAL FLOWS/STOCKS VERSUS TECHNOLOGICAL CONNECTIVITY AND POLICY ENABLERS



in relation to its hypothesized effects. Additionally, we find some of the cultural indicators used on other indexes particularly problematic. KOF, for example, incorporates the number of IKEA stores per capita, even though IKEA has stores in less than 50 countries, roughly two-thirds of its stores are in Europe, and its share of the global homewares and home furnishings market is a mere 6%.<sup>5</sup>

#### **Breadth Dimension**

Other globalization indexes, to the extent they measure actual interactions rather than their presumed enablers and impacts, concentrate almost entirely on depth. An analysis of the fifty-six economies included in all of the indexes shows that the correlation coefficient between depth ranks on the DHL Global Connectedness Index and ranks on the KOF, E&Y, and MGI indexes is between 0.81 and 0.84. The correlation coefficient with McK is much lower, 0.34, for reasons explained below. By contrast, the correlation coefficient between breadth ranks and ranks on all the other indexes ranges from only 0.34 to 0.47. E&Y did add one simple breadth measure—the share of main trading partners in total trade—in its 2012 edition, but the other three indexes incorporate none.<sup>6</sup> The exclusion of breadth from other indexes is particularly noteworthy since the (co-) authors of the KOF index and the MGI have written that "an important criticism of many indices...is that,

strictly speaking, they measure internationalization and regionalization rather than globalization."<sup>7</sup>

McK does look beyond intensity measures, as reflected in its lower correlations with the depth dimension of our index. However, rather than complementing depth with breadth, McK combines "flow intensity [depth] with each country's share of the global total to offer a more accurate perspective on its significance in world flows."<sup>8</sup> Although the "significance" of a country's international activities beyond its own borders is interesting, we view this as quite distinct from a country's actual level of globalization (shares in global flows themselves being a function of depth and country size). Thus, combining these into a single index seems arbitrary, at best.<sup>9</sup>

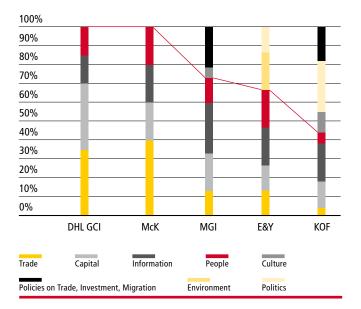
The inclusion of breadth does greatly expand the amount of data required to calculate the index: between all possible country pairs rather than only between each country and the rest of the world. This drives the total number of data points used to calculate this edition of the DHL Global Connectedness Index up to more than 1.8 million. But once compiled, it enables a range of analyses that go well beyond the calculation of breadth scores: the average distances traversed by international flows covered in Chapter 1, the levels of regionalization discussed in Chapter 2, the maps depicting countries' export patterns in the country profiles in Part II, and so on.

#### Importance Based Weighting Scheme

The differences in weighting schemes across the established globalization indexes are very striking, as shown in Figure 4.4, which reflects our own classification of what the other indexes cover rather than their own categorizations. Weights that other indexes assign to topics that are also covered by the DHL Global Connectedness Index are shown below the lines that connect the bars on the chart, and topics that other indexes include but we do not appear above those lines.

KOF assigns weights based on principal-component analysis to ensure maximum variation, which has theoretical appeal in that it removes human judgment from the process, but it can generate—and in our view has generated—weights that do not reflect the importance users, particularly ones focused on economic and business policies, might attach to different aspects of globalization. For example, KOF assigns 5% weights each to the number of McDonald's

#### FIGURE 4.4 // COMPARISON ACROSS GLOBAL-IZATION INDEXES: WEIGHTS ASSIGNED TO ASPECTS OF GLOBALIZATION MEASURED (MATCHING DHL GCI PILLARS WHERE POSSIBLE)



restaurants and IKEA stores and 7% to membership in international organizations but only 4% to all of merchandise trade. McK and MGI both assign equal weights across their pillars, although one may also question whether the pillars really have equal importance to the users of those indexes.<sup>10</sup>

E&Y does assign weights according to the relative importance of its components, but does so based on a survey of business executives, which raises some concern given the prevalence of "globaloney" among business leaders. The DHL Global Connectedness Index, in contrast, assigns weights based on the authors' judgment about the relative importance of the pillars and components, as described in this chapter. While this method is necessarily subjective, it does overcome some of the concerns raised here about the methods employed by other indexes.

#### **Directional Flows and Stocks**

The DHL Global Connectedness Index provides, wherever sufficient data are available, parallel treatment of outbound and inbound flows between countries, enabling meaningful comparisons of the directionality of each country's connectedness. This permits distinction between a country such as China where outbound flows (and stocks) far exceed inbound flows and the United Arab Emirates, where the opposite pattern is observed. Other indexes typically use aggregated outward and inward measures as their fundamental building blocks, precluding such comparisons. The importance of this distinction is highlighted, for example, by the very different way in which countries' trade policy officials tend to view exports and imports.

#### **Timeliest Reporting**

Ambiguity about where globalization is headed increases the value of timely reporting of measures of globalization. The DHL Global Connectedness Index is released with an 11-month lag following the end of the most recent year measured (in this case, 2015). KOF (which is published more frequently than the others) is usually released with a 27-month lag, and the most recent editions of the E&Y, MGI, and McK indexes were published with 24, 16, and 14-month lags respectively. Thus, even though KOF is published annually and the DHL Global Connectedness Index every two years, the latter is still more timely than the former. The most recent year covered in this report is 2015, as compared to 2013 for the 2016 KOF index.

#### **Exclusive Reliance on Hard Data**

The DHL Global Connectedness Index is built up exclusively from hard data. This contrasts with E&Y, which incorporates subjective assessments, e.g. of appropriation risk, generated by EIU analysts. The exclusion of subjective assessments is designed to maximize the index's value as an antidote to the "globaloney" that was discussed in Chapter 1.

# DISTINCTIVE FEATURES OF THE DHL GLOBAL CONNECTEDNESS INDEX

- 1 The focus on actual interactions is one of several respects in which the McKinsey index, developed later, adopted a design similar to the DHL Global Connectedness Index. See, in particular, p. 61 of McKinsey Global Institute, "Global flows in a digital age: How trade, finance, people, and data connect the world economy," April 2014 and p. 124 of McKinsey Global Institute, "Digital Globalization: The New Era of Global Flows," March 2016.
- 2 On Figure 4.3, 3% of the weight on the DHL Global Connectedness Index and 20% of the weight on the McKinsey Global Institute Connectedness Index are classified as a blend of actual international interactions and technological connectivity. In both cases, this refers to the weight allocated to international internet bandwidth, a technological connectivity measure that is used as a proxy for international internet traffic. McK employs "used" bandwidth for this purpose, but analysis reported earlier in this chapter indicates that this is very close to the standard bandwidth measure used in the DHL Global Connectedness Index.
- 3 The latest edition of MGI covers only three years (2005, 2008, and 2012), so the lack of evidence of a crisis-era decline on that index reflects at least in part this limitation. McK cannot be assessed in this context because that index does not release trend data. Its report does discuss global trends, but based on a narrower set of indicators than those included in the index itself.
- 4 The February 19, 2009 issue of *The Economist* proclaimed that "the integration of the world economy is in retreat on almost every front," and highlighted drop-offs in trade, capital, and people flows. The same article also noted a change in popular rhetoric about globalization, stating that "the economic meltdown has popularized a new term: deglobalization." Former US deputy treasury secretary Roger C. Altman addressed increased roles of national governments in regulation and protectionism in his July/August 2009 *Foreign Affairs* article entitled "Globalization in Retreat." And Jean Pisani-Ferry and Indhira Santos wrote in the March 2009 edition of the IMF's *Finance & Development* magazine of an "end (for now) of a rapid expansion of globalization," pointing to public participation in the private sector, financial fragmentation, and increased tariffs.
- 5 Store locations from IKEA Group's 2015 annual report; market share from Euromonitor Passport.
- 6 Pankaj Ghemawat and Steven A. Altman, "Defining and Measuring Globalization," in Pankaj Ghemawat, *The Laws of Globalization and Business Applications*, Cambridge University Press, 2017. Due to the longer reporting lags on other indexes than on the DHL Global Connectedness, this analysis correlates ranks from the DHL Global Connectedness Index 2014 with the most recent year covered on each of the other indexes.
- 7 Axel Dreher, Noel Gaston, Pim Martens, and Lotte Van Boxem, "Measuring Globalization—Opening the Black Box. A Critical Analysis of Globalization Indices," *Journal of Globalization Studies* 1(1), May 2010, pp. 179, 181.
- 8 McKinsey Global Institute, "Digital Globalization: The New Era of Global Flows," March 2016, p. 56.
- 9 McK argues in the methodological appendix of its 2016 edition that intensity measures "artificially boost small countries," prompting the inclusion of countries' shares in world flows to "correct" for this (p. 125). Kam Ki Tang and Amy Wagner clarify in the context of trade that "if the purpose is to measure trade intensity or trade dependency, then the [trade intensity index] will be an appropriate measure. However, if the purpose is to measure trade openness, it has a limitation of being biased against large economies." (Kam Ki Tang and Amy Wagner, "Measuring Globalization Using Weighted Network Indexes." 31st General Conference of the International Association for Research in Income and Wealth, St. Gallen, Switzerland, August 22– 28, 2010.) Since our aim in the DHL

Global Connectedness Index is to measure the actual level of globalization rather than openness to globalization, we stand by our use of intensity (depth).

**10** This is based on the pillars of these indexes as they are reported, and thus they do not correspond to the depictions in Figure 4.4, which reflect our own classification of the components of other indexes.

## PART II. COUNTRY PROFILES

Jan-

## NETHERLANDS

#### **KEY SCORES AND TRENDS** •

|                    |       | Rank  |        |                | Score          |        |
|--------------------|-------|-------|--------|----------------|----------------|--------|
|                    | 2015  | 2013  | Change | 2015           | 2013           | Change |
| Overall            | 1/140 | 1/140 | 0      | <b>91</b> /100 | <b>91</b> /100 | 0      |
| Depth              | 6/140 | 4/140 | -2     | 45/50          | 45/50          | 0      |
| Breadth            | 3/140 | 3/140 | 0      | 46/50          | 46/50          | 0      |
| Trade Pillar       | 3/140 | 3/140 | 0      | 90/100         | 89/100         | 1      |
| Capital Pillar     | 3/72  | 3/72  | 0      | 88/100         | 90/100         | -2     |
| Information Pillar | 2/85  | 2/85  | 0      | 89/100         | 90/100         | -1     |
| People Pillar      | 8/102 | 7/103 | -1     | 82/100         | 82/100         | 0      |

| CO    | NNEC | TEDNI | ess sc | ORE TI | REND | •   |     |     |     |                |
|-------|------|-------|--------|--------|------|-----|-----|-----|-----|----------------|
| 100 - |      |       |        |        |      |     |     |     |     |                |
|       |      |       |        |        |      |     |     |     |     | <br>           |
| 90 ·  | 0-   | _0_   | -0-    | -0-    |      | _0_ | -0- | _0_ | _0_ | <br><b>—</b> 0 |
| 05    |      |       |        |        |      |     |     |     |     |                |
| 82 .  |      |       |        |        |      |     |     |     |     |                |
|       |      |       |        |        |      |     |     |     |     |                |

DEPTH •

|                                                                | Ra             | nk             | Le      | vel    |
|----------------------------------------------------------------|----------------|----------------|---------|--------|
|                                                                | Outward        | Inward         | Outward | Inward |
| Trade                                                          | 4/1            | 40             | -       | -      |
| Merchandise Trade (% of GDP)                                   | 8/139          | 13/140         | 77%     | 68%    |
| Services Trade (% of GDP)                                      | 16/140         | 12/140         | 24%     | 21%    |
| Capital                                                        | 5/9            | 90             |         | _      |
| FDI Stock (% of GDP)                                           | 8/133          | <b>18</b> /140 | 145%    | 96%    |
| FDI Flows (% of GFCF)                                          | 5/131          | 15/138         | 52%     | 38%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 10/82          | 6/81           | 106%    | 73%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 76/84          | 16/86          | 0%      | 2%     |
| Information                                                    | 12/            | 140            | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 11/            | 140            | 242     | ,326   |
| International Phone Calls<br>(Minutes per Capita)              | 24/140         | 27/140         | 342     | 286    |
| Printed Publications Trade<br>(USD per Capita)                 | 9/137          | 13/137         | \$82    | \$61   |
| Poorlo                                                         | 30/            | 112            |         |        |
| People                                                         |                |                |         | - 420/ |
| Migrants (% of Population)                                     | <b>69</b> /139 | 37/139         | 6%      | 12%    |
| Tourists (Dep./Arr. per Capita)                                | 10/80          | 32/126         | 1.1     | 0.8    |
| International Students (% of Tertiary<br>Education Enrollment) | 91/126         | 18/116         | 2%      | 11%    |

#### HOW TO READ THE COUNTRY PROFILES

#### **Key Scores and Trends**

The upper left corner of each profile summarizes the profiled country's overall global connectedness score as well as its scores by dimension (depth vs. breadth) and its pillar scores (trade, capital, information, and people). 2013 and 2015 scores and ranks are shown along with changes in each of the scores and ranks from 2013 to 2015. Changes in scores indicate shifts in absolute levels of connectedness. Changes in ranks provide comparisons of a country's relative standing among the countries covered in the index.

#### **Connectedness Score Trend**

Below the scores summary, each profile contains a line chart showing the country's overall trend. In cases where data availability issues materially impact the trends, the affected years are not shown. The vertical axis is calibrated in accordance with each country's individual level of connectedness in order to allow for maximum granularity. The progression of the graph thus should be understood in relation to the individual scaling of the axis.

#### Depth

The depth section provides each country's outward and inward depth scores and ranks at the pillar and component levels.

**Outward/Inward:** Results are reported separately by direction. Outward trade flows refer to exports, inward trade flows refer to imports, and so on.

**Ranks:** Each of the ranks is followed by a slash (/) and the number of countries for which data are available for that metric. For example, the Netherlands' rank of 8/133 for Outward FDI Stock (% of GDP) means that the Netherlands has the 8th highest score on that component, out of 133 countries for which data are available. For details on the minimum data requirements for displaying pillar level results, please refer to Chapter 4.

**Levels:** Depth levels are reported using measures that compare international flows and stocks to relevant indicators of the size of a country's domestic economy, as described in Chapter 4. The units depend on the domestic comparison employed, and are described in parentheses after each component's name. Thus, for example, Merchandise Trade is displayed as a percent, because the domestic comparison is "(% of GDP)."

For a list of data sources, please refer to Appendix B.

## Structural and Policy Drivers of Depth of Connectedness

This section provides the country's ranks and levels on indicators that can impact global connectedness depth scores. The data pertain to 2015 or the most recent year available. For a list of data sources and calculation methods, please refer to Appendix B.

The (+) and (-) symbols display the expected impact of each structural and policy factor on the depth of countries' global connectedness. For example, higher GDP per Capita tends to increase depth while higher remoteness tends to reduce depth.

**Ranks** correspond to ranks among the countries covered in this index (and thus may differ from the original data sources). **Levels** report levels or scores on the relevant metrics, as described in Appendix B.

#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          | General Policies/Environm | ent    | Globalization Policies |                                 |        |       |
|----------------------------|---------|----------|---------------------------|--------|------------------------|---------------------------------|--------|-------|
|                            | Rank    | Level    |                           | Rank   | Level                  |                                 | Rank   | Level |
| GDP per Capita (+)         | 15/140  | \$43,603 | Operating Environment (+) | 8/129  | 5.5                    | Enabling Trade Index (+)        | 3/128  | 5.3   |
| Linguistic Commonality (+) | 94/140  | 1%       | Infrastructure (+)        | 2/128  | 6.0                    | Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |
| Remoteness (-)             | 136/138 | 1.8      | Press Freedom (+)         | 5/137  | 98                     | Capital Account Openness (+)    | 1/134  | 1.0   |
| Population (-)             | 58/140  | 16.9     | Labor Freedom (+)         | 55/140 | 66                     | Visa-Free Travel Outward (+)    | 6/140  | 171   |
| Landlocked (-)             |         | No       | Financial Freedom (+)     | 3/136  | 80                     | Visa-Free Travel Inward (+)     | 66/127 | 23    |

#### Rooted Map •

The upper right corner of each profile contains a map where all other countries are sized in proportion to their share of the profiled country's merchandise exports, and are colored based on the profiled country's share of their implied imports (according to data reported by the exporting countries). The profiled country's proportion of the map area is held constant across all of these maps to make them more directly comparable. Thus, these maps do not show differences in the share of exports in the profiled countries' economic output. Furthermore, these maps show gross exports; no adjustments are made to remove double-counting of re-exported goods. Exports to unknown or undisclosed locations are taken into account in reporting data on top export destinations, but not in drawing maps themselves. These maps were generated based on data from the International Monetary Fund Direction of Trade Statistics Database and the United Nations Commodity Trade Database (Comtrade).

For additional context, a list of major export products is also provided for each country. The source for these lists is the CIA World Factbook.

#### Breadth •

The breadth section parallels the depth section described to the left. However, rather than showing raw breadth scores (which do not have meaningful units), the intra-regional share of each country's flows is shown. In some cases, these ratios were computed based on only a sample of a country's flows for which partner-by-partner data were available. Thus, these shares should be treated as approximate, especially for the telephone calls component, where such data limitations were most severe.

For a list of data sources, please refer to Appendix B.

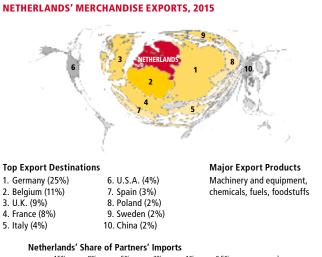
#### Directionality -

The directionality chart shows the profiled country's outward and inward overall, depth, and breadth scores. A diamond is used to mark the directional balance, calculated as the difference of the outward minus inward scores.

#### Legend

The "-" symbol for Not Applicable is used in the depth and breadth sections to identify cells in the tables that are not filled in for any country. Levels can only be calculated at the component level, so this symbol always appears in the level columns of the pillar rows. In breadth, this symbol also appears in the cells that refer to components that are excluded from breadth (but covered in depth), typically due to data constraints. The "." symbol indicates that a particular cell could not be filled in for the profiled country due to limitations in the available data for that specific country.

#### **ROOTED MAP**

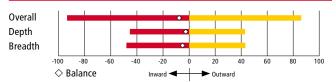


| 15 | % 8 | % 59 | % 3% | % 19 | % 0.5 | i% | unknown |
|----|-----|------|------|------|-------|----|---------|
|    |     |      |      |      |       |    |         |

#### BREADTH

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 17/     | 140    | -       | -      |
| Merchandise Trade            | 42/139  | 2/138  | 80%     | 54%    |
| Capital                      | 3/      | 79     | -       | -      |
| FDI Stock                    | 2/88    | 2/111  | 65%     | 61%    |
| FDI Flows                    | 9/77    | 14/99  | 88%     | 70%    |
| Portfolio Equity Stock       | 4/71    |        | 41%     |        |
| Information                  | 6/      | 35     | _       | -      |
| International Phone Calls    | 14/83   | 10/70  | 80%     | 78%    |
| Printed Publications Trade   | 7/137   | 7/137  | 90%     | 81%    |
| People                       | 8/1     | 23     | _       | -      |
| Migrants                     | 22/139  | 9/136  | 58%     | 31%    |
| Tourists Departures/Arrivals | _       | 2/94   | _       | 79%    |
| International Students       | -       | 15/93  | _       | 76%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                       |
|---------|-----------------------------|
| 15/140  | \$43,603                    |
| 94/140  | 1%                          |
| 136/138 | 1.8                         |
| 58/140  | 16.9                        |
| -       | No                          |
|         | 15/140<br>94/140<br>136/138 |

| General Policies/Environment |        |       |  |
|------------------------------|--------|-------|--|
|                              | Rank   | Level |  |
| Operating Environment (+)    | 8/129  | 5.5   |  |
| Infrastructure (+)           | 2/128  | 6.0   |  |
| Press Freedom (+)            | 5/137  | 98    |  |
| Labor Freedom (+)            | 55/140 | 66    |  |
| Financial Freedom (+)        | 3/136  | 80    |  |

| <b>Globalization Policies</b>   |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 3/128  | 5.3   |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |
| Capital Account Openness (+)    | 1/134  | 1.0   |
| Visa-Free Travel Outward (+)    | 6/140  | 171   |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |

## **TABLE OF CONTENTS**

| Albania89                |
|--------------------------|
| Angola90                 |
| Argentina91              |
| Armenia 92               |
| Australia93              |
| Austria94                |
| Azerbaijan95             |
| Bahamas, The96           |
| Bahrain97                |
| Bangladesh 98            |
| Barbados                 |
| Belarus 100              |
| Belgium101               |
| Benin 102                |
| Bolivia 103              |
| Bosnia & Herzegovina 104 |
| Botswana 105             |
| Brazil 106               |
| Brunei Darussalam 107    |
| Bulgaria 108             |
| Burkina Faso 109         |
|                          |
| Burundi110               |
| Cambodia111              |
| Cameroon                 |
| Canada 113               |
| Chile114                 |
| China 115                |
| Colombia116              |
| Congo, Republic117       |
| Costa Rica118            |
| Côte d'Ivoire119         |
| Croatia 120              |
| Cyprus121                |
| Czech Republic 122       |
| Denmark 123              |
| Dominican Republic124    |
| Ecuador125               |
| Egypt, Arab Republic126  |
| El Salvador127           |
| Estonia 128              |
| Ethiopia 129             |
| Fiji 130                 |
| Finland131               |
| France132                |
| Gambia, The133           |
| Georgia 134              |
| Germany135               |
| Ghana 136                |
| Greece                   |
| Guatemala 138            |
| Suatemaia 130            |

| Guinea139                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guyana 140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Honduras141                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Hong Kong SAR (China) . 142                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Hungary 143                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Iceland 144                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| India 145                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Indonesia 146                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Iran, Islamic Republic147                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Ireland148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Israel 149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Italy 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Jamaica151                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Japan 152                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Jordan 153                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Kazakhstan 154                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Kenya155                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Korea, Republic 156                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Kuwait 157                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Kyrgyz Republic 158                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Lao PDR159                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Latvia 160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Lebanon161                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Lithuania 162                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Luxembourg 163                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Macau SAR (China) 164                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Macau SAR (China) 164                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Macau SAR (China) 164<br>Macedonia, FYR 165                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Macau SAR (China) 164<br>Macedonia, FYR 165<br>Madagascar 166                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Macau SAR (China) 164<br>Macedonia, FYR 165<br>Madagascar 166<br>Malaysia 167                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Macau SAR (China) 164<br>Macedonia, FYR 165<br>Madagascar 166<br>Malaysia 167<br>Mali 168                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Macau SAR (China) 164<br>Macedonia, FYR 165<br>Madagascar 166<br>Malaysia 167<br>Mali 168<br>Malta 169                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Macau SAR (China) 164<br>Macedonia, FYR 165<br>Madagascar 166<br>Malaysia 167<br>Mali 168<br>Malta 169<br>Mauritius 170                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172                                                                                                                                                                                                                                                                                                                                                                                       |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173                                                                                                                                                                                                                                                                                                                                                            |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173         Montenegro       174                                                                                                                                                                                                                                                                                                                               |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173         Montenegro       174                                                                                                                                                                                                                                                                                                                               |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173         Montenegro       174         Morocco       175         Mozambique       176                                                                                                                                                                                                                                                                        |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173         Montenegro       174         Morocco       175         Mozambique       176         Myanmar       177                                                                                                                                                                                                                                              |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173         Montenegro       174         Morocco       175         Mozambique       176         Myanmar       177         Namibia       178                                                                                                                                                                                                                    |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173         Mortenegro       174         Morocco       175         Mozambique       176         Myanmar       177         Namibia       178         Nepal       179                                                                                                                                                                                            |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173         Montenegro       174         Morocco       175         Mozambique       176         Myanmar       177         Namibia       178         Nepal       179         Netherlands       180                                                                                                                                                              |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173         Mortenegro       174         Morocco       175         Mozambique       176         Myanmar       177         Namibia       178         Nepal       179         Netherlands       180         New Zealand       181                                                                                                                                |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173         Montenegro       174         Morocco       175         Mozambique       176         Myanmar       177         Namibia       178         Nepal       180         New Zealand       181         Nicaragua       182                                                                                                                                  |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173         Montenegro       174         Morocco       175         Mozambique       176         Myanmar       177         Namibia       178         Nepal       180         New Zealand       181         Nicaragua       182         Niger       183                                                                                                          |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173         Montenegro       174         Morocco       175         Mozambique       176         Myanmar       177         Namibia       178         Nepal       179         Netherlands       180         New Zealand       181         Niger       183         Nigeria       184                                                                              |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173         Montenegro       174         Morocco       175         Mozambique       176         Myanmar       177         Namibia       178         Nepal       180         New Zealand       181         Nicaragua       182         Nigeria       184         Norway       185                                                                               |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173         Montenegro       174         Morocco       175         Mozambique       176         Myanmar       177         Namibia       178         Nepal       179         Netherlands       180         New Zealand       181         Nigeria       183         Nigeria       184         Norway.       185         Oman       186                           |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173         Montenegro       174         Morocco       175         Mozambique       176         Myanmar       177         Namibia       178         Nepal       179         Netherlands       180         New Zealand       181         Nigeria       183         Nigeria       184         Norway       185         Oman       186         Pakistan       187 |
| Macau SAR (China)       164         Macedonia, FYR.       165         Madagascar       166         Malaysia       167         Mali       168         Malta       169         Mauritius       170         Mexico       171         Moldova       172         Mongolia       173         Montenegro       174         Morocco       175         Mozambique       176         Myanmar       177         Namibia       178         Nepal       179         Netherlands       180         New Zealand       181         Nigeria       183         Nigeria       184         Norway.       185         Oman       186                           |

| Paraguay             | . 189 |
|----------------------|-------|
| Peru                 | . 190 |
| Philippines          |       |
| Poland               | 192   |
| Portugal             | 193   |
| Qatar                | . 194 |
| Romania              | . 195 |
| Russian Federation   | . 196 |
| Rwanda               | . 197 |
| Saudi Arabia         | . 198 |
| Senegal              | . 199 |
| Serbia               | . 200 |
| Singapore            | . 201 |
| Slovak Republic      | . 202 |
| Slovenia             |       |
| South Africa         | . 204 |
| Spain                |       |
| ,<br>Sri Lanka       |       |
| Suriname             |       |
| Sweden               |       |
| Switzerland          |       |
| Taiwan (China)       |       |
| Tanzania             |       |
| Thailand             |       |
| Togo                 |       |
| Trinidad and Tobago  |       |
| Tunisia              |       |
| Turkey               |       |
| Uganda               |       |
| Ukraine              |       |
| United Arab Emirates |       |
| United Kingdom       |       |
| United States        |       |
| Uruguay              |       |
| Uzbekistan           |       |
| Venezuela, RB        |       |
| Vietnam              |       |
| Yemen, Republic      |       |
| Zambia               |       |
| Zimbabwe             |       |
| 21111000000          | . 220 |

## **ALBANIA**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank           |        |        | Score  |        |
|--------------------|---------|----------------|--------|--------|--------|--------|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |
| Overall            | 100/140 | 106/140        | 6      | 38/100 | 34/100 | 4      |
| Depth              | 55/140  | 62/140         | 7      | 29/50  | 29/50  | 0      |
| Breadth            | 123/140 | 128/140        | 5      | 9/50   | 6/50   | 3      |
| Trade Pillar       | 105/140 | 113/140        | 8      | 38/100 | 35/100 | 3      |
| Capital Pillar     | •       | •              | •      | •      | •      | •      |
| Information Pillar | 60/85   | 69/85          | 9      | 50/100 | 43/100 | 7      |
| People Pillar      | 67/102  | <b>71</b> /103 | 4      | 41/100 | 40/100 | 1      |

#### **CONNECTEDNESS SCORE TREND**

| 45<br>40<br>35<br>30<br>25<br>20 |      |      |      |      | _0-  |      | _0_  | _0-  | _0_  | _0_  | _0   |
|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| 20<br>15                         | 2005 | 2006 | 2007 | 2009 | 2000 | 2010 | 2011 | 2012 | 2012 | 2014 | 2015 |
|                                  | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Rank           |                | Le      | vel    |
|----------------------------------------------------------------|----------------|----------------|---------|--------|
|                                                                | Outward        | Inward         | Outward | Inward |
| Trade                                                          | 62/            | 140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 101/139        | 53/140         | 17%     | 37%    |
| Services Trade (% of GDP)                                      | 25/140         | 27/140         | 19%     | 14%    |
| Capital                                                        |                |                | -       | -      |
| FDI Stock (% of GDP)                                           | 97/133         | 67/140         | 2%      | 42%    |
| FDI Flows (% of GFCF)                                          | 79/131         | 17/138         | 1%      | 35%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •              | •              | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •              | · _            | •       | •      |
|                                                                |                |                |         |        |
| Information                                                    | 64/            | 140            | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 83/            | 140            | 30,660  |        |
| International Phone Calls<br>(Minutes per Capita)              | 47/140         | 18/140         | 157     | 421    |
| Printed Publications Trade<br>(USD per Capita)                 | <b>92</b> /137 | 84/137         | \$0     | \$4    |
| People                                                         | 20/            | 112            | -       | _      |
| Migrants (% of Population)                                     | 4/139          | <b>93</b> /139 | 39%     | 2%     |
| Tourists (Dep./Arr. per Capita)                                | •              | 22/126         | •       | 1.2    |
| International Students (% of Tertiary<br>Education Enrollment) | 15/126         | 68/116         | 14%     | 2%     |

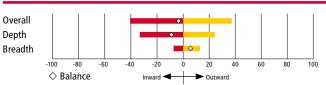
#### **ROOTED MAP**

#### ALBANIA'S MERCHANDISE EXPORTS, 2015 **Top Export Destinations Major Export Products** Textiles and footwear, asphalt, 1. Italy (43%) 6. Germany (2%) metals and metallic ores, crude 2. U.S.A. (8%) 7. Turkey (2%) 3. China (6%) 8. Macedonia (2%) oil, vegetables, fruits, tobacco 4. Greece (5%) 9. Montenegro (2%) 5. Spain (5%) 10. France (1%) Albania's Share of Partners' Imports 0.3% 0.1% 0.05% 0.03% 0.01% 2% unknown

#### BREADTH

|                              | Rank     |         | % Same  | Region |
|------------------------------|----------|---------|---------|--------|
|                              | Outward  | Inward  | Outward | Inward |
| Trade                        | 114      | /140    | -       | -      |
| Merchandise Trade            | 100/139  | 123/138 | 77%     | 75%    |
| Capital                      |          |         | _       | -      |
| FDI Stock                    | 73/88    | 71/111  | 27%     | 73%    |
| FDI Flows                    | •        | 99/99   | •       | 100%   |
| Portfolio Equity Stock       | <u> </u> |         |         | _      |
| Information                  | 65       | /85     | _       | -      |
| International Phone Calls    | •        | 65/70   | 82%     | 94%    |
| Printed Publications Trade   | 76/137   | 44/137  | 56%     | 75%    |
| People                       | 120      | /123    | _       | -      |
| Migrants                     | 111/139  | 120/136 | 91%     | 89%    |
| Tourists Departures/Arrivals | _        | •       | _       | •      |
| International Students       | _        | 90/93   | _       | 81%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                        |
|---------|------------------------------|
| 91/140  | \$3,995                      |
| 108/140 | 0%                           |
| 111/138 | 3.0                          |
| 115/140 | 2.9                          |
| _       | No                           |
|         | 91/140<br>108/140<br>111/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 83/129  | 3.9   |
| Infrastructure (+)        | 88/128  | 3.4   |
| Press Freedom (+)         | 66/137  | 73    |
| Labor Freedom (+)         | 100/140 | 53    |
| Financial Freedom (+)     | 18/136  | 70    |

| Globalization Policies          |         |       |  |  |  |  |  |
|---------------------------------|---------|-------|--|--|--|--|--|
|                                 | Rank    | Level |  |  |  |  |  |
| Enabling Trade Index (+)        | 67/128  | 4.0   |  |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 111/120 | 1.1   |  |  |  |  |  |
| Capital Account Openness (+)    | 80/134  | 0.4   |  |  |  |  |  |
| Visa-Free Travel Outward (+)    | 71/140  | 94    |  |  |  |  |  |
| Visa-Free Travel Inward (+)     | 96/127  | 22    |  |  |  |  |  |

## **ANGOLA**

#### **KEY SCORES AND TRENDS**

|                    |        | Rank    |        |        | Score  |        |  |
|--------------------|--------|---------|--------|--------|--------|--------|--|
|                    | 2015   | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 97/140 | 95/140  | -2     | 39/100 | 38/100 | 1      |  |
| Depth              | 96/140 | 100/140 | 4      | 18/50  | 18/50  | 0      |  |
| Breadth            | 76/140 | 70/140  | -6     | 21/50  | 20/50  | 1      |  |
| Trade Pillar       | 70/140 | 55/140  | -15    | 50/100 | 54/100 | -4     |  |
| Capital Pillar     | •      | •       | •      | •      | •      | •      |  |
| Information Pillar | •      | •       | •      | •      | •      | •      |  |
| People Pillar      | · ·    |         | •      | •      | •      | •      |  |

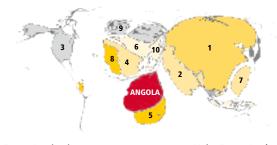
#### **CONNECTEDNESS SCORE TREND** 55 50 45 -0 Q 40 -0- $\sim$ o 35 30 $2005 \hspace{0.2cm} 2006 \hspace{0.2cm} 2007 \hspace{0.2cm} 2008 \hspace{0.2cm} 2009 \hspace{0.2cm} 2010 \hspace{0.2cm} 2011 \hspace{0.2cm} 2012 \hspace{0.2cm} 2013 \hspace{0.2cm} 2014 \hspace{0.2cm} 2015$

#### DEPTH

|                                                                | Ra      | nk       | Level   |        |
|----------------------------------------------------------------|---------|----------|---------|--------|
|                                                                | Outward | Inward   | Outward | Inward |
| Trade                                                          | 81/140  |          | -       | -      |
| Merchandise Trade (% of GDP)                                   | 43/139  | 118/140  | 33%     | 21%    |
| Services Trade (% of GDP)                                      | 134/140 | 16/140   | 2%      | 18%    |
| Capital                                                        |         |          | _       | -      |
| FDI Stock (% of GDP)                                           | 43/133  | 134/140  | 23%     | 9%     |
| FDI Flows (% of GFCF)                                          | 9/131   | 38/138   | 25%     | 21%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •        | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          |         | <u> </u> |         |        |
|                                                                |         |          |         |        |
| Information                                                    | 118/140 |          | -       |        |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 116     | /140     | 6,5     | 518    |
| International Phone Calls<br>(Minutes per Capita)              | 132/140 | 119/140  | 5       | 35     |
| Printed Publications Trade<br>(USD per Capita)                 |         | ·        | •       | •      |
| People                                                         |         |          | _       | -      |
| Migrants (% of Population)                                     | 113/139 | 125/139  | 2%      | 0%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 112/126  | •       | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 75/126  | •        | 3%      | •      |

#### **ROOTED MAP**

#### **ANGOLA'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations** 1.

| 1. China (44%)       | 6. France (4%)   |
|----------------------|------------------|
| 2. India (10%)       | 7. Taiwan (4%)   |
| 3. U.S.A. (8%)       | 8. Portugal (3%) |
| 4. Spain (6%)        | 9. U.K. (3%)     |
| 5. South Africa (5%) | 10. Italy (3%)   |
|                      | -                |

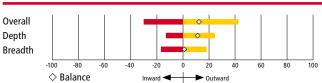
**Major Export Products** Crude oil, diamonds, refined petroleum products, coffee, sisal, fish and fish products, timber, cotton

| Angola's Share of Partners' Imports |    |      |      |      |       |         |  |  |
|-------------------------------------|----|------|------|------|-------|---------|--|--|
| 1.5%                                | 1% | 0.5% | 0.2% | 0.1% | 0.05% | unknown |  |  |
|                                     |    |      |      |      |       |         |  |  |

#### **BREADTH**

|                              | Ra      | nk      | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 62/     | 140     | -       | -      |
| Merchandise Trade            | 75/139  | 43/138  | 5%      | 6%     |
| Capital                      |         |         | -       | -      |
| FDI Stock                    | •       | 94/111  | ·       | 1%     |
| FDI Flows                    | •       | 88/99   | •       | 0%     |
| Portfolio Equity Stock       |         |         |         | _      |
| Information                  |         |         | _       | -      |
| International Phone Calls    | 64/83   | •       | 40%     | 12%    |
| Printed Publications Trade   | ·       | ·       |         |        |
| People                       | 107     | /123    | -       | -      |
| Migrants                     | 122/139 | 130/136 | 57%     | 83%    |
| Tourists Departures/Arrivals | -       | 63/94   | -       | 18%    |
| International Students       | _       | •       | -       | •      |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |         |
|----------------------------|--------|---------|
|                            | Rank   | Level   |
| GDP per Capita (+)         | 87/140 | \$4,100 |
| Linguistic Commonality (+) | 84/140 | 3%      |
| Remoteness (-)             | 19/138 | 7.4     |
| Population (-)             | 45/140 | 25.0    |
| Landlocked (-)             | _      | No      |
|                            |        |         |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 126/129 | 2.9   |
| Infrastructure (+)        | 127/128 | 2.3   |
| Press Freedom (+)         | 96/137  | 61    |
| Labor Freedom (+)         | 124/140 | 43    |
| Financial Freedom (+)     | 101/136 | 40    |

| Rank    | Level                                                       |
|---------|-------------------------------------------------------------|
| 128/128 | 2.8                                                         |
| 7/120   | 11.7                                                        |
| 123/134 | 0.0                                                         |
| 131/140 | 40                                                          |
| 126/127 | 0                                                           |
|         | 128/128           7/120           123/134           131/140 |

- Not Applicable

## **ARGENTINA**

#### **KEY SCORES AND TRENDS**

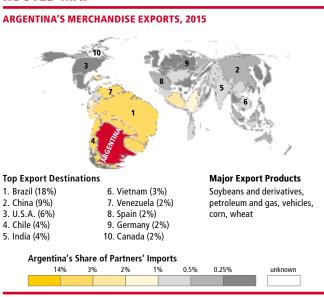
|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 102/140 | 100/140 | -2     | 37/100 | 36/100 | 1      |  |
| Depth              | 127/140 | 130/140 | 3      | 9/50   | 8/50   | 1      |  |
| Breadth            | 50/140  | 51/140  | 1      | 28/50  | 27/50  | 1      |  |
| Trade Pillar       | 94/140  | 94/140  | 0      | 41/100 | 40/100 | 1      |  |
| Capital Pillar     | 64/72   | 66/72   | 2      | 28/100 | 27/100 | 1      |  |
| Information Pillar | 51/85   | 53/85   | 2      | 53/100 | 52/100 | 1      |  |
| People Pillar      | •       | •       | •      | •      | •      | •      |  |

| С  | DNNEC | TEDNE    | SS SC    | ORE TE | REND |      |      |      |      |      |      |
|----|-------|----------|----------|--------|------|------|------|------|------|------|------|
| 45 |       |          |          |        |      |      |      |      |      |      |      |
| 40 |       | <u> </u> | <u> </u> | _0_    |      | _    |      | ~    | •    | ~    |      |
| 35 | -0-   |          |          |        |      |      | -0-  | _0_  |      | - V  |      |
| 25 |       |          |          |        |      |      |      |      |      |      |      |
| 25 | 2005  | 2006     | 2007     | 2008   | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Rank    |                | Level   |        |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 139     | /140           | -       | -      |
| Merchandise Trade (% of GDP)                                   | 123/139 | 138/140        | 10%     | 10%    |
| Services Trade (% of GDP)                                      | 129/140 | 134/140        | 2%      | 3%     |
| Capital                                                        | 81/     | /90            | -       | _      |
| FDI Stock (% of GDP)                                           | 71/133  | 119/140        | 6%      | 16%    |
| FDI Flows (% of GFCF)                                          | 77/131  | 87/138         | 1%      | 9%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 79/82   | 57/81          | 0%      | 12%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 73/84   | 51/86          | 0%      | 0%     |
| Information                                                    | 86/     | 140            | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 71/     | 71/140         |         | 145    |
| International Phone Calls<br>(Minutes per Capita)              | 75/140  | 103/140        | 64      | 70     |
| Printed Publications Trade<br>(USD per Capita)                 | 80/137  | 96/137         | \$1     | \$2    |
| People                                                         | 98/     | 98/112         |         | -      |
| Migrants (% of Population)                                     | 115/139 | <b>61</b> /139 | 2%      | 5%     |
| Tourists (Dep./Arr. per Capita)                                | 52/80   | <b>79</b> /126 | 0.2     | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 126/126 | 104/116        | 0%      | 0%     |

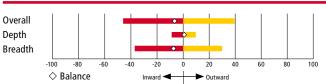
#### **ROOTED MAP**



#### **BREADTH**

|                              | Rank    |         | % Same  | Region |  |   |
|------------------------------|---------|---------|---------|--------|--|---|
|                              | Outward | Inward  | Outward | Inward |  |   |
| Trade                        | 29/     | 140     | -       | -      |  |   |
| Merchandise Trade            | 37/139  | 28/138  | 34%     | 30%    |  |   |
| Capital                      | 60      | 60/79   |         | 60/79  |  | - |
| FDI Stock                    | •       | 18/111  | •       | 21%    |  |   |
| FDI Flows                    | 55/77   | 9/99    | 78%     | 31%    |  |   |
| Portfolio Equity Stock       | 64/71   |         | 1%      |        |  |   |
| Information                  | 41      | 41/85   |         | 41/85  |  | - |
| International Phone Calls    | 53/83   | 18/70   | 81%     | 35%    |  |   |
| Printed Publications Trade   | 100/137 | 23/137  | 86%     | 9%     |  |   |
| People                       |         |         | _       | -      |  |   |
| Migrants                     | 36/139  | 100/136 | 28%     | 83%    |  |   |
| Tourists Departures/Arrivals | _       | •       | _       |        |  |   |
| International Students       | _       | •       | _       |        |  |   |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |          |  |  |
|----------------------------|--------|----------|--|--|
|                            | Rank   | Level    |  |  |
| GDP per Capita (+)         | 49/140 | \$13,589 |  |  |
| Linguistic Commonality (+) | 70/140 | 5%       |  |  |
| Remoteness (-)             | 5/138  | 8.9      |  |  |
| Population (-)             | 31/140 | 43.4     |  |  |
| Landlocked (-)             | _      | No       |  |  |
|                            |        |          |  |  |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 117/129 | 3.4   |
| Infrastructure (+)        | 72/128  | 3.7   |
| Press Freedom (+)         | 46/137  | 76    |
| Labor Freedom (+)         | 123/140 | 43    |
| Financial Freedom (+)     | 118/136 | 30    |

| Globalization Policies          |         |       |  |  |
|---------------------------------|---------|-------|--|--|
|                                 | Rank    | Level |  |  |
| Enabling Trade Index (+)        | 87/128  | 3.7   |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 27/120  | 6.6   |  |  |
| Capital Account Openness (+)    | 123/134 | 0.0   |  |  |
| Visa-Free Travel Outward (+)    | 38/140  | 150   |  |  |
| Visa-Free Travel Inward (+)     | 47/127  | 29    |  |  |

## ARMENIA

#### **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |
|--------------------|--------|--------|--------|--------|--------|--------|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |
| Overall            | 91/140 | 83/140 | -8     | 42/100 | 43/100 | -1     |
| Depth              | 82/140 | 75/140 | -7     | 24/50  | 26/50  | -2     |
| Breadth            | 90/140 | 87/140 | -3     | 18/50  | 17/50  | 1      |
| Trade Pillar       | 83/140 | 68/140 | -15    | 46/100 | 49/100 | -3     |
| Capital Pillar     | •      | •      | •      | •      | •      | •      |
| Information Pillar | 63/85  | 64/85  | 1      | 48/100 | 45/100 | 3      |
| People Pillar      | 51/102 | 55/103 | 4      | 53/100 | 51/100 | 2      |

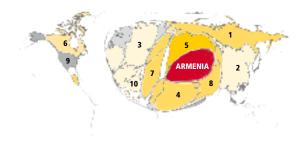
# CONNECTEDNESS SCORE TREND

#### DEPTH

|                                                                | Ra      | nk             | Le      | vel    |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 80/140  |                | -       | _      |
| Merchandise Trade (% of GDP)                                   | 112/139 | 77/140         | 14%     | 31%    |
| Services Trade (% of GDP)                                      | 41/140  | 25/140         | 14%     | 15%    |
| Capital                                                        | 65/     | 90             | -       | -      |
| FDI Stock (% of GDP)                                           | 88/133  | 70/140         | 3%      | 40%    |
| FDI Flows (% of GFCF)                                          | 86/131  | 60/138         | 1%      | 14%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 60/82   | 55/81          | 3%      | 13%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 55/84   | 39/86          | 1%      | 1%     |
| Information                                                    | 61/     | 140            | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 55/     | 140            | 67,871  |        |
| International Phone Calls<br>(Minutes per Capita)              | 70/140  | 22/140         | 76      | 343    |
| Printed Publications Trade<br>(USD per Capita)                 | 107/137 | 95/137         | \$0     | \$3    |
| People                                                         | 37/     | 112            | -       | -      |
| Migrants (% of Population)                                     | 7/139   | 56/139         | 31%     | 6%     |
| Tourists (Dep./Arr. per Capita)                                | 35/80   | <b>59</b> /126 | 0.4     | 0.4    |
| International Students (% of Tertiary<br>Education Enrollment) | 44/126  | 49/116         | 6%      | 4%     |

#### **ROOTED MAP**

#### **ARMENIA'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations** 1. Russia (15%)

2.

3. 4.

5.

| Russia (15%)  | 6. Canada (8%)   |
|---------------|------------------|
| China (11%)   | 7. Bulgaria (5%) |
| Germany (10%) | 8. Iran (5%)     |
| Iraq (9%)     | 9. U.S.A. (4%)   |
| Georgia (8%)  | 10. Italy (3%)   |
|               |                  |

#### Major Export Products Pig iron, unwrought copper, nonferrous metals, gold, diamonds, mineral products,

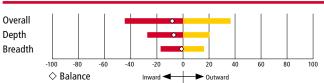
diamonds, mineral products, foodstuffs, energy

| Armenia's Share of Partners' Imports |       |        |        |         |         |     |         |
|--------------------------------------|-------|--------|--------|---------|---------|-----|---------|
| 1                                    | % 0.0 | 5% 0.0 | 2% 0.0 | 1% 0.00 | 5% 0.00 | 02% | unknown |
|                                      |       |        |        |         |         |     |         |

#### BREADTH

|                              | Ra       | Rank   |         | Region |
|------------------------------|----------|--------|---------|--------|
|                              | Outward  | Inward | Outward | Inward |
| Trade                        | 75/      | 140    | -       | -      |
| Merchandise Trade            | 85/139   | 64/138 | 10%     | 8%     |
| Capital                      |          |        | -       | -      |
| FDI Stock                    | 85/88    | 77/111 | 0%      | 0%     |
| FDI Flows                    | •        | 91/99  | •       | 0%     |
| Portfolio Equity Stock       | <u> </u> |        |         | _      |
| Information                  | 70       | 70/85  |         | -      |
| International Phone Calls    | 78/83    | 67/70  | 9%      | 0%     |
| Printed Publications Trade   | 46/137   | 28/137 | 13%     | 1%     |
| People                       | 81/      | 81/123 |         | -      |
| Migrants                     | 79/139   | 87/136 | 19%     | 78%    |
| Tourists Departures/Arrivals | _        | •      | _       | •      |
| International Students       | _        | 64/93  | _       | 49%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

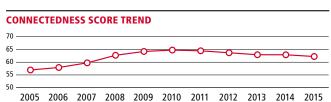
| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 98/140  | \$3,535 |
| Linguistic Commonality (+) | 108/140 | 0%      |
| Remoteness (-)             | 96/138  | 3.9     |
| Population (-)             | 113/140 | 3.0     |
| Landlocked (-)             | _       | Yes     |
|                            |         |         |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 48/129 | 4.4   |
| Infrastructure (+)        | 72/128 | 3.7   |
| Press Freedom (+)         | 64/137 | 73    |
| Labor Freedom (+)         | 56/140 | 64    |
| Financial Freedom (+)     | 18/136 | 70    |

| Globalization Policies |                                                           |  |  |  |
|------------------------|-----------------------------------------------------------|--|--|--|
| Rank                   | Level                                                     |  |  |  |
| 45/128                 | 4.3                                                       |  |  |  |
| 67/120                 | 2.4                                                       |  |  |  |
| 1/134                  | 1.0                                                       |  |  |  |
| 108/140                | 52                                                        |  |  |  |
| 32/127                 | 45                                                        |  |  |  |
|                        | 45/128           67/120           1/134           108/140 |  |  |  |

#### **KEY SCORES AND TRENDS**

|                    |        | Rank           |        |        | Score  |        |  |
|--------------------|--------|----------------|--------|--------|--------|--------|--|
|                    | 2015   | 2013           | Change | 2015   | 2013   | Change |  |
| Overall            | 34/140 | 28/140         | -6     | 62/100 | 63/100 | -1     |  |
| Depth              | 91/140 | 88/140         | -3     | 20/50  | 21/50  | -1     |  |
| Breadth            | 10/140 | 9/140          | -1     | 42/50  | 42/50  | 0      |  |
| Trade Pillar       | 89/140 | 89/140         | 0      | 45/100 | 43/100 | 2      |  |
| Capital Pillar     | 19/72  | 14/72          | -5     | 66/100 | 70/100 | -4     |  |
| Information Pillar | 4/85   | 5/85           | 1      | 86/100 | 86/100 | 0      |  |
| People Pillar      | 19/102 | <b>19</b> /103 | 0      | 77/100 | 77/100 | 0      |  |

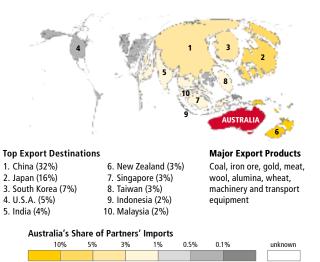


#### DEPTH

|                                                                | Ra      | Rank    |         | Level  |  |  |
|----------------------------------------------------------------|---------|---------|---------|--------|--|--|
|                                                                | Outward | Inward  | Outward | Inward |  |  |
| Trade                                                          | 128     | /140    | -       | -      |  |  |
| Merchandise Trade (% of GDP)                                   | 106/139 | 129/140 | 15%     | 17%    |  |  |
| Services Trade (% of GDP)                                      | 109/140 | 119/140 | 4%      | 4%     |  |  |
| Capital                                                        | 47/     | /90     | -       | -      |  |  |
| FDI Stock (% of GDP)                                           | 31/133  | 64/140  | 32%     | 44%    |  |  |
| FDI Flows (% of GFCF)                                          | 126/131 | 76/138  | -2%     | 10%    |  |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | 36/82   | 34/81   | 31%     | 28%    |  |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 53/84   | 32/86   | 1%      | 1%     |  |  |
| Information                                                    | 30/     | 140     | -       | -      |  |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 47/     | 140     | 81,564  |        |  |  |
| International Phone Calls<br>(Minutes per Capita)              | 37/140  | 39/140  | 240     | 237    |  |  |
| Printed Publications Trade<br>(USD per Capita)                 | 40/137  | 24/137  | \$8     | \$34   |  |  |
| People                                                         | 58/     | 58/112  |         | -      |  |  |
| Migrants (% of Population)                                     | 114/139 | 14/139  | 2%      | 28%    |  |  |
| Tourists (Dep./Arr. per Capita)                                | 36/80   | •       | 0.4     | •      |  |  |
| International Students (% of Tertiary<br>Education Enrollment) | 113/126 | 9/116   | 1%      | 18%    |  |  |

#### **ROOTED MAP**

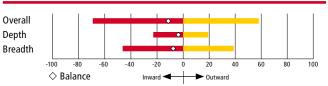
#### AUSTRALIA'S MERCHANDISE EXPORTS, 2015



#### **BREADTH**

|                              | Ra      | nk     | % Same Region |        |  |
|------------------------------|---------|--------|---------------|--------|--|
|                              | Outward | Inward | Outward       | Inward |  |
| Trade                        | 34/     | 140    | -             | -      |  |
| Merchandise Trade            | 56/139  | 14/138 | 76%           | 61%    |  |
| Capital                      | 13/     | /79    | _             | -      |  |
| FDI Stock                    | •       | 14/111 | 31%           | 27%    |  |
| FDI Flows                    | 13/77   | 17/99  | 32%           | 35%    |  |
| Portfolio Equity Stock       | 13/71   |        | 14%           | _      |  |
| Information                  | 2/85    |        | _             |        |  |
| International Phone Calls    | 4/83    | 3/70   | 44%           | 29%    |  |
| Printed Publications Trade   | 37/137  | 19/137 | 74%           | 47%    |  |
| People                       | 4/1     | 4/123  |               | -      |  |
| Migrants                     | 13/139  | 8/136  | 26%           | 36%    |  |
| Tourists Departures/Arrivals | _       | •      | _             | •      |  |
| International Students       | -       | 6/93   | _             | 65%    |  |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |          |
|----------------------------|--------|----------|
|                            | Rank   | Level    |
| GDP per Capita (+)         | 10/140 | \$50,962 |
| Linguistic Commonality (+) | 31/140 | 38%      |
| Remoteness (-)             | 2/138  | 9.3      |
| Population (-)             | 47/140 | 24.0     |
| Landlocked (-)             | _      | No       |
|                            |        |          |

|                           | Rank           | Level |
|---------------------------|----------------|-------|
| Operating Environment (+) | 15/129         | 5.2   |
| Infrastructure (+)        | 20/128         | 5.2   |
| Press Freedom (+)         | 25/137         | 88    |
| Labor Freedom (+)         | <b>19</b> /140 | 82    |
| Financial Freedom (+)     | 1/136          | 90    |

| <b>Globalization Policies</b>   |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 19/128 | 4.9   |
| Tariffs (Wtd. Mean Applied) (-) | 74/120 | 1.9   |
| Capital Account Openness (+)    | 50/134 | 0.9   |
| Visa-Free Travel Outward (+)    | 23/140 | 168   |
| Visa-Free Travel Inward (+)     | 43/127 | 31    |

- Not Applicable

## **AUSTRIA**

#### **KEY SCORES AND TRENDS**

|                    |        | Rank           |        |        | Score  |        |  |
|--------------------|--------|----------------|--------|--------|--------|--------|--|
|                    | 2015   | 2013           | Change | 2015   | 2013   | Change |  |
| Overall            | 20/140 | 20/140         | 0      | 68/100 | 68/100 | 0      |  |
| Depth              | 12/140 | 13/140         | 1      | 40/50  | 39/50  | 1      |  |
| Breadth            | 49/140 | 45/140         | -4     | 28/50  | 29/50  | -1     |  |
| Trade Pillar       | 35/140 | 32/140         | -3     | 62/100 | 61/100 | 1      |  |
| Capital Pillar     | 16/72  | 16/72          | 0      | 70/100 | 68/100 | 2      |  |
| Information Pillar | 36/85  | 34/85          | -2     | 63/100 | 63/100 | 0      |  |
| People Pillar      | 18/102 | <b>17</b> /103 | -1     | 78/100 | 78/100 | 0      |  |

#### CONNECTEDNESS SCORE TREND

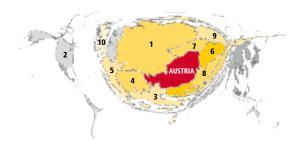
| 75<br>70<br>65 | <b>—</b> — | _0_ | -0 |      |      |      | _0-  | _0_  | -0-  | _0   |
|----------------|------------|-----|----|------|------|------|------|------|------|------|
| 60<br>55       |            |     |    | 2008 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Ra      | nk      | Level   |        |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 26/     | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 31/139  | 43/140  | 41%     | 41%    |
| Services Trade (% of GDP)                                      | 33/140  | 41/140  | 15%     | 12%    |
| Capital                                                        | 9/9     | 90      | -       | _      |
| FDI Stock (% of GDP)                                           | 15/133  | 62/140  | 56%     | 44%    |
| FDI Flows (% of GFCF)                                          | 27/131  | 103/138 | 12%     | 7%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 11/82   | 15/81   | 98%     | 55%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 19/84   | 27/86   | 5%      | 1%     |
| Information                                                    | 17/     | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 42/     | 140     | 90,     | 501    |
| International Phone Calls<br>(Minutes per Capita)              | 27/140  | 35/140  | 312     | 261    |
| Printed Publications Trade<br>(USD per Capita)                 | 16/137  | 5/137   | \$54    | \$132  |
| People                                                         | 11/     | 11/112  |         | _      |
| Migrants (% of Population)                                     | 61/139  | 20/139  | 7%      | 17%    |
| Tourists (Dep./Arr. per Capita)                                | 6/80    | 6/126   | 1.3     | 3.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 68/126  | 12/116  | 4%      | 15%    |

#### **ROOTED MAP**

#### **AUSTRIA'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

1. 2. 3. 4.

5.

| Germany (29%)    | 6. Slovakia (4%)       |
|------------------|------------------------|
| U.S.A. (6%)      | 7. Czech Republic (3%) |
| Italy (6%)       | 8. Hungary (3%)        |
| Switzerland (6%) | 9. Poland (3%)         |
| France (4%)      | 10. U.K. (3%)          |
|                  |                        |

#### **Major Export Products**

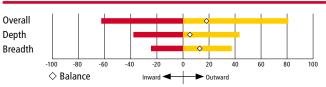
Machinery and equipment, motor vehicles and parts, paper and paperboard, metal goods, chemicals, iron and steel, textiles, foodstuffs

| Austria's Share of Partners' Imports |    |    |    |      |      |      |         |  |  |
|--------------------------------------|----|----|----|------|------|------|---------|--|--|
|                                      | 6% | 3% | 1% | 0.6% | 0.3% | 0.2% | unknown |  |  |
|                                      |    |    |    |      |      |      |         |  |  |

#### BREADTH

|                              | Ra      | nk      | % Same  | % Same Region |  |  |
|------------------------------|---------|---------|---------|---------------|--|--|
|                              | Outward | Inward  | Outward | Inward        |  |  |
| Trade                        | 72/     | 140     | -       | -             |  |  |
| Merchandise Trade            | 44/139  | 96/138  | 79%     | 85%           |  |  |
| Capital                      | 23      | /79     | -       | -             |  |  |
| FDI Stock                    | •       | •       | 78%     | 89%           |  |  |
| FDI Flows                    | 19/77   | 27/99   | 80%     | 85%           |  |  |
| Portfolio Equity Stock       | 24/71   |         | 82%     |               |  |  |
| Information                  | 57/     | 57/85   |         | -             |  |  |
| International Phone Calls    | 43/83   | 53/70   | 90%     | 92%           |  |  |
| Printed Publications Trade   | 32/137  | 107/137 | 92%     | 97%           |  |  |
| People                       | 27/     | 27/123  |         | -             |  |  |
| Migrants                     | 28/139  | 25/136  | 78%     | 74%           |  |  |
| Tourists Departures/Arrivals | _       | 31/94   | _       | 91%           |  |  |
| International Students       | _       | 36/93   | _       | 85%           |  |  |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                       |
|---------|-----------------------------|
| 14/140  | \$43,724                    |
| 54/140  | 6%                          |
| 132/138 | 2.2                         |
| 82/140  | 8.5                         |
| _       | Yes                         |
|         | 14/140<br>54/140<br>132/138 |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 13/129 | 5.3   |
| Infrastructure (+)        | 19/128 | 5.3   |
| Press Freedom (+)         | 7/137  | 96    |
| Labor Freedom (+)         | 26/140 | 77    |
| Financial Freedom (+)     | 18/136 | 70    |

| Globalization Policies          |               |       |  |  |  |  |  |
|---------------------------------|---------------|-------|--|--|--|--|--|
|                                 | Rank          | Level |  |  |  |  |  |
| Enabling Trade Index (+)        | 14/128        | 5.0   |  |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 78/120        | 1.5   |  |  |  |  |  |
| Capital Account Openness (+)    | <b>1</b> /134 | 1.0   |  |  |  |  |  |
| Visa-Free Travel Outward (+)    | 19/140        | 169   |  |  |  |  |  |
| Visa-Free Travel Inward (+)     | 66/127        | 23    |  |  |  |  |  |

- Not Applicable

Data Not Available

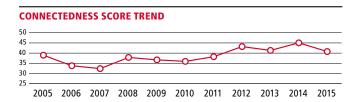
(+) Positive Impact

(-) Negative Impact

## AZERBAIJAN

#### **KEY SCORES AND TRENDS**

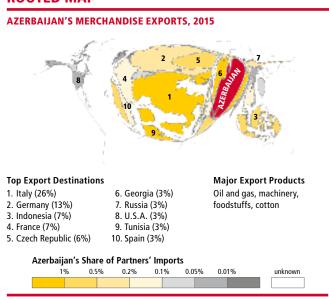
|                    |         | Rank           |        | Score  |        |        |
|--------------------|---------|----------------|--------|--------|--------|--------|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |
| Overall            | 92/140  | 87/140         | -5     | 41/100 | 41/100 | 0      |
| Depth              | 77/140  | 84/140         | 7      | 25/50  | 23/50  | 2      |
| Breadth            | 99/140  | 80/140         | -19    | 16/50  | 19/50  | -3     |
| Trade Pillar       | 115/140 | <b>91</b> /140 | -24    | 34/100 | 43/100 | -9     |
| Capital Pillar     | •       | •              | •      | •      | •      | •      |
| Information Pillar | •       | •              | •      | •      | •      | •      |
| People Pillar      | 55/102  | 53/103         | -2     | 51/100 | 51/100 | 0      |



#### DEPTH

|                                                                | Ra      | nk      | Level   |        |  |
|----------------------------------------------------------------|---------|---------|---------|--------|--|
|                                                                | Outward | Inward  | Outward | Inward |  |
| Trade                                                          | 88/     | 88/140  |         | -      |  |
| Merchandise Trade (% of GDP)                                   | 62/139  | 128/140 | 27%     | 17%    |  |
| Services Trade (% of GDP)                                      | 72/140  | 21/140  | 8%      | 16%    |  |
| Capital                                                        |         |         | -       | -      |  |
| FDI Stock (% of GDP)                                           | 36/133  | 69/140  | 28%     | 41%    |  |
| FDI Flows (% of GFCF)                                          | 14/131  | 31/138  | 17%     | 23%    |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       | •      |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | •       | •       |        |  |
| Information                                                    | 101     | /140    |         | _      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 78/     | 140     | 35,127  |        |  |
| International Phone Calls<br>(Minutes per Capita)              | 106/140 | 99/140  | 26      | 85     |  |
| Printed Publications Trade<br>(USD per Capita)                 | 133/137 | 74/137  | \$0     | \$5    |  |
| People                                                         | 54/     | 54/112  |         | -      |  |
| Migrants (% of Population)                                     | 37/139  | 80/139  | 12%     | 3%     |  |
| Tourists (Dep./Arr. per Capita)                                | 37/80   | 72/126  | 0.3     | 0.2    |  |
| International Students (% of Tertiary<br>Education Enrollment) | 25/126  | 69/116  | 9%      | 2%     |  |

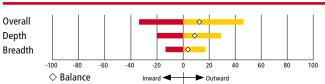
#### ROOTED MAP



#### BREADTH

|                              | Ra      | nk      | % Same  | % Same Region |  |   |
|------------------------------|---------|---------|---------|---------------|--|---|
|                              | Outward | Inward  | Outward | Inward        |  |   |
| Trade                        | 107     | 107/140 |         | -             |  |   |
| Merchandise Trade            | 98/139  | 107/138 | 8%      | 22%           |  |   |
| Capital                      |         |         | -       | -             |  |   |
| FDI Stock                    | 60/88   | 75/111  | 81%     | 19%           |  |   |
| FDI Flows                    | •       | •       | •       | •             |  |   |
| Portfolio Equity Stock       | ·       | _       | •       | _             |  |   |
| Information                  |         |         | _       | -             |  |   |
| International Phone Calls    | •       | •       | •       | •             |  |   |
| Printed Publications Trade   | 44/137  | 121/137 | 2%      | 24%           |  |   |
| People                       | 66/     | 66/123  |         | 66/123        |  | - |
| Migrants                     | 109/139 | 93/136  | 17%     | 87%           |  |   |
| Tourists Departures/Arrivals | _       | 34/94   | _       | 27%           |  |   |
| International Students       | -       | 60/93   | -       | 70%           |  |   |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 78/140  | \$5,739 |
| Linguistic Commonality (+) | 108/140 | 0%      |
| Remoteness (-)             | 92/138  | 4.1     |
| Population (-)             | 78/140  | 9.8     |
| Landlocked (-)             | _       | Yes     |
|                            |         |         |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 56/129  | 4.3   |
| Infrastructure (+)        | 59/128  | 3.9   |
| Press Freedom (+)         | 128/137 | 34    |
| Labor Freedom (+)         | 23/140  | 79    |
| Financial Freedom (+)     | 68/136  | 50    |

| Globalization Policies          |         |       |  |  |  |  |  |
|---------------------------------|---------|-------|--|--|--|--|--|
|                                 | Rank    | Level |  |  |  |  |  |
| Enabling Trade Index (+)        | 75/128  | 3.9   |  |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 34/120  | 5.3   |  |  |  |  |  |
| Capital Account Openness (+)    | 72/134  | 0.5   |  |  |  |  |  |
| Visa-Free Travel Outward (+)    | 100/140 | 58    |  |  |  |  |  |
| Visa-Free Travel Inward (+)     | 61/127  | 25    |  |  |  |  |  |

DHL Global Connectedness Index 2016 95

- Not Applicable

## **BAHAMAS, THE**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 65/140  | 68/140  | 3      | 49/100 | 47/100 | 2      |  |
| Depth              | 27/140  | 23/140  | -4     | 33/50  | 34/50  | -1     |  |
| Breadth            | 102/140 | 106/140 | 4      | 16/50  | 13/50  | 3      |  |
| Trade Pillar       | 123/140 | 124/140 | 1      | 30/100 | 30/100 | 0      |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | · ·     | •       | •      | •      | •      | •      |  |
| People Pillar      | •       | •       | •      |        | •      | •      |  |

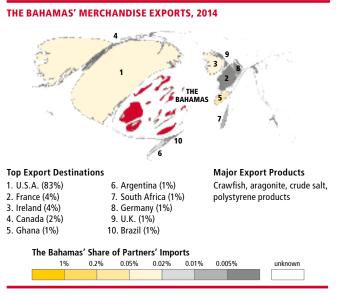
#### **CONNECTEDNESS SCORE TREND**

| 55 |      |      |      |      |      |      |      |      |      |      |      |
|----|------|------|------|------|------|------|------|------|------|------|------|
| 50 |      |      |      |      |      |      |      |      |      | ~    |      |
| 45 |      |      |      |      |      |      |      | 0    | _0_  | -0-  |      |
| 40 |      |      |      |      |      |      |      |      |      |      |      |
| 10 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Ra      | Rank   |         | vel    |
|----------------------------------------------------------------|---------|--------|---------|--------|
|                                                                | Outward | Inward | Outward | Inward |
| Trade                                                          | 84/     | 140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 135/139 | 68/140 | 6%      | 32%    |
| Services Trade (% of GDP)                                      | 10/140  | 32/140 | 31%     | 14%    |
| Capital                                                        |         |        | _       | -      |
| FDI Stock (% of GDP)                                           | 21/133  | 7/140  | 46%     | 220%   |
| FDI Flows (% of GFCF)                                          | 25/131  | 11/138 | 13%     | 46%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •      | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          |         |        |         |        |
| Information                                                    | 14/140  |        | _       |        |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 14/     | 140    | 225     | ,877   |
| International Phone Calls<br>(Minutes per Capita)              | 16/140  | 4/140  | 465     | 786    |
| Printed Publications Trade<br>(USD per Capita)                 | 83/137  | 16/137 | \$1     | \$48   |
| People                                                         |         |        | -       | _      |
| Migrants (% of Population)                                     | 44/139  | 25/139 | 10%     | 15%    |
| Tourists (Dep./Arr. per Capita)                                | •       | 4/126  | •       | 3.7    |
| International Students (% of Tertiary<br>Education Enrollment) | •       | •      | · ·     | •      |

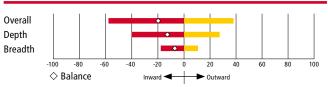
#### **ROOTED MAP**



#### BREADTH

|                              | Ra      | Rank    |         | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 117     | '140    | -       | -      |
| Merchandise Trade            | 127/139 | 92/138  | 3%      | 18%    |
| Capital                      | 35      | 35/79   |         | -      |
| FDI Stock                    | •       | •       | •       | •      |
| FDI Flows                    | •       | •       | •       | •      |
| Portfolio Equity Stock       | 31/71   |         | 23%     |        |
| Information                  |         |         | -       | -      |
| International Phone Calls    | •       | •       |         | •      |
| Printed Publications Trade   | 84/137  | 120/137 | 24%     | 1%     |
| People                       | 92/     | 92/123  |         | -      |
| Migrants                     | 73/139  | 72/136  | 3%      | 70%    |
| Tourists Departures/Arrivals | _       | 83/94   | _       | 3%     |
| International Students       | _       | •       | _       | •      |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| nk Level |
|----------|
| \$23,903 |
| 140 39%  |
| 138 4.9  |
| 0.4      |
| – No     |
| 1        |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | •      |       |
| Infrastructure (+)        | •      | •     |
| Press Freedom (+)         | •      | •     |
| Labor Freedom (+)         | 35/140 | 75    |
| Financial Freedom (+)     | 38/136 | 60    |

| Globalization Policies          |         |       |  |  |
|---------------------------------|---------|-------|--|--|
|                                 | Rank    | Level |  |  |
| Enabling Trade Index (+)        | •       | •     |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 1/120   | 19.7  |  |  |
| Capital Account Openness (+)    | 123/134 | 0.0   |  |  |
| Visa-Free Travel Outward (+)    | 46/140  | 139   |  |  |
| Visa-Free Travel Inward (+)     | •       | •     |  |  |

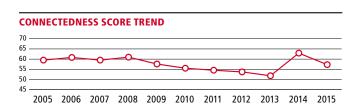
- Not Applicable

Data Not Available

(+) Positive Impact

#### **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |  |
|--------------------|--------|--------|--------|--------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |  |
| Overall            | 40/140 | 53/140 | 13     | 57/100 | 52/100 | 5      |  |
| Depth              | 22/140 | 25/140 | 3      | 35/50  | 34/50  | 1      |  |
| Breadth            | 70/140 | 84/140 | 14     | 22/50  | 18/50  | 4      |  |
| Trade Pillar       | 51/140 | 14/140 | -37    | 56/100 | 72/100 | -16    |  |
| Capital Pillar     | 34/72  | 62/72  | 28     | 55/100 | 31/100 | 24     |  |
| Information Pillar | · ·    | •      | •      | •      | •      | •      |  |
| People Pillar      | · ·    |        |        |        |        | •      |  |



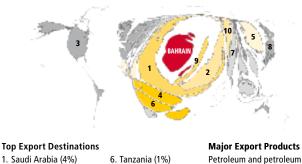
#### DEPTH

|                                                                | Rank           |         | Le      | Level  |  |
|----------------------------------------------------------------|----------------|---------|---------|--------|--|
|                                                                | Outward        | Inward  | Outward | Inward |  |
| Trade                                                          | 56/            | 56/140  |         | -      |  |
| Merchandise Trade (% of GDP)                                   | 37/139         | 69/140  | 37%     | 32%    |  |
| Services Trade (% of GDP)                                      | 62/140         | 109/140 | 10%     | 5%     |  |
| Capital                                                        | 11/            | 90      | -       | _      |  |
| FDI Stock (% of GDP)                                           | 20/133         | 20/140  | 48%     | 91%    |  |
| FDI Flows (% of GFCF)                                          | <b>51</b> /131 | 29/138  | 4%      | 24%    |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | 12/82          | 20/81   | 96%     | 42%    |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 4/84           | 85/86   | 39%     | -14%   |  |
| Information                                                    | 22/            | 140     | -       | _      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 69/            | 140     | 47,     | 205    |  |
| International Phone Calls<br>(Minutes per Capita)              | 1/140          | 8/140   | 3316    | 623    |  |
| Printed Publications Trade<br>(USD per Capita)                 | 60/137         | 27/137  | \$3     | \$30   |  |
| People                                                         |                |         | -       | -      |  |
| Migrants (% of Population)                                     | <b>91</b> /139 | 5/139   | 4%      | 51%    |  |
| Tourists (Dep./Arr. per Capita)                                | •              | •       | •       |        |  |
| International Students (% of Tertiary<br>Education Enrollment) | 17/126         | 6/116   | 13%     | 21%    |  |

#### DHL Global Connectedness Index 2016 97

#### **ROOTED MAP**

#### **BAHRAIN'S MERCHANDISE EXPORTS, 2015**



| Saudi Arabia (4%) | 6. Tanzania (1%)  |
|-------------------|-------------------|
| U.A.E. (2%)       | 7. India (1%)     |
| U.S.A. (2%)       | 8. Japan (1%)     |
| Kenya (1%)        | 9. Qatar (1%)     |
| South Korea (1%)  | 10. Pakistan (1%) |
|                   |                   |

Petroleum and petroleum products, aluminum, textiles

| Bahrain's Sh | are of Pa | artners' l | mports |       |       |         |
|--------------|-----------|------------|--------|-------|-------|---------|
| 1%           | 0.6%      | 0.3%       | 0.1%   | 0.05% | 0.01% | unknown |
|              |           |            |        |       |       |         |

#### **BREADTH**

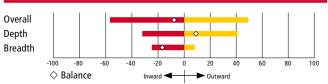
2.

3. 4.

5.

|                              | Rank    |         | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 61/     | 140     | -       | -      |
| Merchandise Trade            |         | 59/138  |         | 37%    |
| Capital                      | 54      | 54/79   |         | -      |
| FDI Stock                    | 76/88   | 108/111 | 0%      | 84%    |
| FDI Flows                    | 61/77   | •       | 81%     |        |
| Portfolio Equity Stock       | 28/71   | _       | 26%     | _      |
| Information                  |         |         | -       | -      |
| International Phone Calls    | •       | · ·     | •       | •      |
| Printed Publications Trade   | 124/137 | 69/137  | 80%     | 43%    |
| People                       | 62/     | 62/123  |         | -      |
| Migrants                     | 114/139 | 34/136  | 24%     | 19%    |
| Tourists Departures/Arrivals | _       | •       | _       |        |
| International Students       | _       | 53/93   | _       | 77%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |  |  |
|----------------------------|---------|----------|--|--|
|                            | Rank    | Level    |  |  |
| GDP per Capita (+)         | 32/140  | \$23,510 |  |  |
| Linguistic Commonality (+) | 76/140  | 3%       |  |  |
| Remoteness (-)             | 79/138  | 4.8      |  |  |
| Population (-)             | 125/140 | 1.4      |  |  |
| Landlocked (-)             |         | No       |  |  |
|                            |         |          |  |  |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 24/129  | 5.0   |
| Infrastructure (+)        | 27/128  | 4.9   |
| Press Freedom (+)         | 129/137 | 34    |
| Labor Freedom (+)         | 14/140  | 83    |
| Financial Freedom (+)     | 3/136   | 80    |

| Globalization Policies          |        |       |  |  |  |
|---------------------------------|--------|-------|--|--|--|
|                                 | Rank   | Level |  |  |  |
| Enabling Trade Index (+)        | 33/128 | 4.6   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 50/120 | 3.6   |  |  |  |
| Capital Account Openness (+)    | 1/134  | 1.0   |  |  |  |
| Visa-Free Travel Outward (+)    | 82/140 | 70    |  |  |  |
| Visa-Free Travel Inward (+)     | 56/127 | 27    |  |  |  |

## **BANGLADESH**

#### **KEY SCORES AND TRENDS**

|                    | Rank    |         |        | Score  |        |        |
|--------------------|---------|---------|--------|--------|--------|--------|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |
| Overall            | 118/140 | 119/140 | 1      | 31/100 | 30/100 | 1      |
| Depth              | 139/140 | 140/140 | 1      | 3/50   | 4/50   | -1     |
| Breadth            | 55/140  | 56/140  | 1      | 27/50  | 25/50  | 2      |
| Trade Pillar       | 81/140  | 86/140  | 5      | 46/100 | 45/100 | 1      |
| Capital Pillar     | 70/72   | 71/72   | 1      | 15/100 | 14/100 | 1      |
| Information Pillar | 72/85   | 68/85   | -4     | 43/100 | 43/100 | 0      |
| People Pillar      | •       | •       | •      | •      | •      |        |

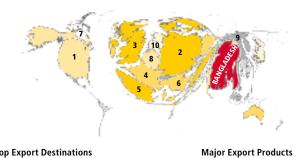
#### **CONNECTEDNESS SCORE TREND** 40 35 -30 o -0 25 0--0-20 $2005 \hspace{0.2cm} 2006 \hspace{0.2cm} 2007 \hspace{0.2cm} 2008 \hspace{0.2cm} 2009 \hspace{0.2cm} 2010 \hspace{0.2cm} 2011 \hspace{0.2cm} 2012 \hspace{0.2cm} 2013 \hspace{0.2cm} 2014 \hspace{0.2cm} 2015$

#### DEPTH

|                                                                | Ra      | Rank       |         | vel    |
|----------------------------------------------------------------|---------|------------|---------|--------|
|                                                                | Outward | Inward     | Outward | Inward |
| Trade                                                          | 130     | /140       | -       | -      |
| Merchandise Trade (% of GDP)                                   | 104/139 | 123/140    | 16%     | 19%    |
| Services Trade (% of GDP)                                      | 138/140 | 120/140    | 1%      | 4%     |
| Capital                                                        | 90      | /90        | -       | -      |
| FDI Stock (% of GDP)                                           | 128/133 | 136/140    | 0%      | 6%     |
| FDI Flows (% of GFCF)                                          | 109/131 | 124/138    | 0%      | 3%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 80/82   | 64/81      | 0%      | 8%     |
| Portfolio Equity Flows (% of Mkt Cap)                          | 68/84   | 45/86      | 0%      | 1%     |
| Information                                                    | 123     | /140       | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 118     | /140 6,181 |         | 81     |
| International Phone Calls<br>(Minutes per Capita)              | 134/140 | 100/140    | 4       | 81     |
| Printed Publications Trade<br>(USD per Capita)                 | 124/137 | 129/137    | \$0     | \$0    |
| People                                                         | 109     | /112       | -       | -      |
| Migrants (% of Population)                                     | 88/139  | 112/139    | 4%      | 1%     |
| Tourists (Dep./Arr. per Capita)                                | 80/80   | 126/126    | 0.0     | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 106/126 | 108/116    | 1%      | 0%     |

#### **ROOTED MAP**

#### **BANGLADESH'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

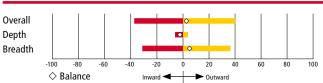
| 1. U.S.A. (14%)<br>2. Germany (13%)<br>3. U.K. (9%)<br>4. France (5%) | 6. Italy (4%)<br>7. Canada (3%)<br>8. Belgium (2%)<br>9. China (2%)<br>10. Natharlanda (2%) | Garments, knitwear,<br>agricultural products, frozen<br>food (fish and seafood), jute<br>and jute goods, leather |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 5. Spain (5%)                                                         | 10. Netherlands (2%)                                                                        |                                                                                                                  |

| Bangl | adesh's | Share o | of Partne | rs' Impo | rts   |       |         |
|-------|---------|---------|-----------|----------|-------|-------|---------|
|       | 0.3%    | 0.2%    | 0.13%     | 0.1%     | 0.05% | 0.01% | unknown |
|       |         |         |           |          |       |       |         |

#### **BREADTH**

|                              | Ra      | Rank   |         | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 26/     | 140    | -       | -      |
| Merchandise Trade            | 15/139  | 45/138 | 5%      | 20%    |
| Capital                      | 68      | /79    | -       | -      |
| FDI Stock                    | 48/88   | 44/111 | 35%     | 8%     |
| FDI Flows                    | •       | 25/99  | •       | 7%     |
| Portfolio Equity Stock       | 71/71   |        | 30%     |        |
| Information                  | 29      | /85    | -       | -      |
| International Phone Calls    | 12/83   | 40/70  | 37%     | 31%    |
| Printed Publications Trade   | 43/137  | 86/137 | 20%     | 30%    |
| People                       |         |        | -       | -      |
| Migrants                     | 87/139  | 55/136 | 45%     | 6%     |
| Tourists Departures/Arrivals | _       | •      | _       | 78%    |
| International Students       | _       | •      | _       | •      |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 120/140 | \$1,287 |
| Linguistic Commonality (+) | 108/140 | 0%      |
| Remoteness (-)             | 73/138  | 5.1     |
| Population (-)             | 8/140   | 161.0   |
| Landlocked (-)             | -       | No      |
|                            |         |         |

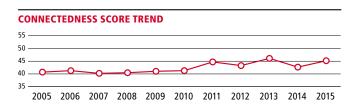
|                           | Rank           | Level |
|---------------------------|----------------|-------|
| Operating Environment (+) | 97/129         | 3.7   |
| Infrastructure (+)        | 115/128        | 2.8   |
| Press Freedom (+)         | 116/137        | 54    |
| Labor Freedom (+)         | <b>61</b> /140 | 64    |
| Financial Freedom (+)     | 118/136        | 30    |

| Rank           | Level                                      |
|----------------|--------------------------------------------|
| 111/128        | 3.4                                        |
| •              | •                                          |
| <b>91</b> /134 | 0.2                                        |
| 131/140        | 40                                         |
| 30/127         | 47                                         |
|                | <u>111/128</u><br><u>91/134</u><br>131/140 |

- Not Applicable

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score          |        |
|--------------------|---------|---------|--------|--------|----------------|--------|
|                    | 2015    | 2013    | Change | 2015   | 2013           | Change |
| Overall            | 76/140  | 73/140  | -3     | 45/100 | 46/100         | -1     |
| Depth              | 29/140  | 31/140  | 2      | 33/50  | 33/50          | 0      |
| Breadth            | 116/140 | 105/140 | -11    | 12/50  | 13/50          | -1     |
| Trade Pillar       | 126/140 | 125/140 | -1     | 28/100 | 30/100         | -2     |
| Capital Pillar     | 39/72   | 33/72   | -6     | 52/100 | 53/100         | -1     |
| Information Pillar | 33/85   | 33/85   | 0      | 64/100 | 64/100         | 0      |
| People Pillar      | 42/102  | 42/103  | 0      | 60/100 | <b>59</b> /100 | 1      |

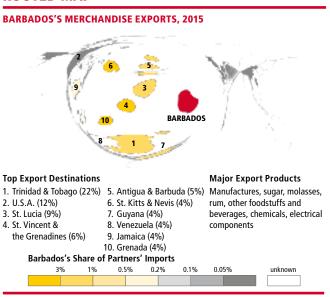


#### DEPTH

|                                                                | Ra      | Rank   |         | vel    |
|----------------------------------------------------------------|---------|--------|---------|--------|
|                                                                | Outward | Inward | Outward | Inward |
| Trade                                                          | 72/     | 140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 120/139 | 55/140 | 11%     | 37%    |
| Services Trade (% of GDP)                                      | 9/140   | 22/140 | 32%     | 15%    |
| Capital                                                        | 29/     | 90     | -       | _      |
| FDI Stock (% of GDP)                                           | 10/133  | 10/140 | 91%     | 151%   |
| FDI Flows (% of GFCF)                                          | 35/131  | 13/138 | 10%     | 41%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 51/82   | 59/81  | 11%     | 11%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 38/84   | 67/86  | 1%      | 0%     |
| Information                                                    | 10/     | 140    | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 10/     | 140    | 247     | ,474   |
| International Phone Calls<br>(Minutes per Capita)              | 14/140  | 6/140  | 526     | 773    |
| Printed Publications Trade<br>(USD per Capita)                 | 48/137  | 23/137 | \$5     | \$35   |
| People                                                         | 4/1     | 12     | -       | -      |
| Migrants (% of Population)                                     | 6/139   | 35/139 | 35%     | 12%    |
| Tourists (Dep./Arr. per Capita)                                | •       | 15/126 | •       | 1.8    |
| International Students (% of Tertiary<br>Education Enrollment) | 21/126  | 11/116 | 10%     | 16%    |

#### DHL Global Connectedness Index 2016 99

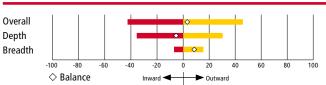
#### **ROOTED MAP**



#### BREADTH

|                              | Ra      | Rank    |         | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 135     | /140    | -       | -      |
| Merchandise Trade            | 122/139 | 130/138 | 73%     | 46%    |
| Capital                      | 51/     | 51/79   |         | -      |
| FDI Stock                    | 43/88   | 74/111  | 73%     | 25%    |
| FDI Flows                    | •       | •       | •       | •      |
| Portfolio Equity Stock       | 45/71   | _       | 8%      | _      |
| Information                  | 61/     | /85     | _       | -      |
| International Phone Calls    | 54/83   | · ·     | 59%     | 17%    |
| Printed Publications Trade   | 86/137  | 84/137  | 87%     | 14%    |
| People                       | 95/     | 95/123  |         | -      |
| Migrants                     | 78/139  | •       | 5%      |        |
| Tourists Departures/Arrivals | _       | 61/94   | -       | 18%    |
| International Students       | _       | 81/93   | _       | 93%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Pank    |                 |
|---------|-----------------|
| NALIK   | Level           |
| 44/140  | \$15,774        |
| 9/140   | 39%             |
| 47/138  | 6.1             |
| 140/140 | 0.3             |
| -       | No              |
|         | 9/140<br>47/138 |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | •      | •     |
| Infrastructure (+)        | •      | •     |
| Press Freedom (+)         | •      |       |
| Labor Freedom (+)         | 46/140 | 69    |
| Financial Freedom (+)     | 38/136 | 60    |

| Globalization Policies          |        |       |  |  |  |
|---------------------------------|--------|-------|--|--|--|
|                                 | Rank   | Level |  |  |  |
| Enabling Trade Index (+)        | •      | •     |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 4/120  | 13.9  |  |  |  |
| Capital Account Openness (+)    | 91/134 | 0.2   |  |  |  |
| Visa-Free Travel Outward (+)    | 47/140 | 138   |  |  |  |
| Visa-Free Travel Inward (+)     | 36/127 | 37    |  |  |  |

## **BELARUS**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank           |        |        | Score  |        |  |
|--------------------|---------|----------------|--------|--------|--------|--------|--|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |  |
| Overall            | 104/140 | 98/140         | -6     | 36/100 | 36/100 | 0      |  |
| Depth              | 41/140  | 45/140         | 4      | 31/50  | 30/50  | 1      |  |
| Breadth            | 131/140 | 129/140        | -2     | 5/50   | 6/50   | -1     |  |
| Trade Pillar       | 86/140  | 83/140         | -3     | 45/100 | 46/100 | -1     |  |
| Capital Pillar     | •       | •              | •      | •      | •      | •      |  |
| Information Pillar | 78/85   | 79/85          | 1      | 39/100 | 37/100 | 2      |  |
| People Pillar      | 52/102  | <b>51</b> /103 | -1     | 52/100 | 53/100 | -1     |  |

#### **CONNECTEDNESS SCORE TREND**

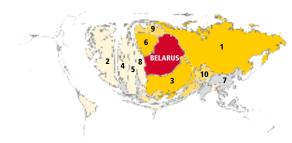
| 45<br>40<br>35<br>30 | <br>_0_ | _0_ | <br>_0- | _0_ | _0_ | _0_ | _0_ | -0- | 0 | - |
|----------------------|---------|-----|---------|-----|-----|-----|-----|-----|---|---|
|                      |         |     | 2009    |     |     |     |     |     |   | - |

#### DEPTH

|                                                                | Rank    |                | Le      | vel    |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 21/     | 140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 22/139  | 26/140         | 49%     | 56%    |
| Services Trade (% of GDP)                                      | 48/140  | 80/140         | 12%     | 8%     |
| Capital                                                        |         |                | _       | _      |
| FDI Stock (% of GDP)                                           | 105/133 | 90/140         | 1%      | 33%    |
| FDI Flows (% of GFCF)                                          | 93/131  | <b>91</b> /138 | 1%      | 8%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •              | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          |         | <u> </u>       |         | •      |
| Information                                                    | 68/     | 140            | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 25/     | 140            | 139     | ,374   |
| International Phone Calls<br>(Minutes per Capita)              | 68/140  | 113/140        | 81      | 51     |
| Printed Publications Trade<br>(USD per Capita)                 | 61/137  | 57/137         | \$3     | \$8    |
| People                                                         | 57/     | 57/112         |         | -      |
| Migrants (% of Population)                                     | 27/139  | 39/139         | 16%     | 11%    |
| Tourists (Dep./Arr. per Capita)                                | 63/80   | 85/126         | 0.1     | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 40/126  | 59/116         | 6%      | 3%     |

#### **ROOTED MAP**

#### **BELARUS'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

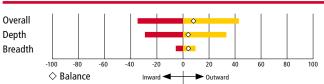
| Top Export Destination                                                     | 5                                                                      | Major Export Products                                                                    |
|----------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 1. Russia (39%)<br>2. U.K. (11%)<br>3. Ukraine (9%)<br>4. Netherlands (4%) | 6. Lithuania (4%)<br>7. China (3%)<br>8. Poland (3%)<br>9. Latvia (2%) | Machinery and equipment,<br>mineral products, chemicals,<br>metals, textiles, foodstuffs |
| 5. Germany (4%)                                                            | 10. Kazakhstan (2%)                                                    |                                                                                          |
| Belarus's Share of                                                         | Partners' Imports                                                      |                                                                                          |

| Delait | 15 5 5110 |    | and the state of t | mports |       |        |         |
|--------|-----------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|--------|---------|
|        | 3%        | 1% | 0.5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.1%   | 0.01% | 0.005% | unknown |
|        |           |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |       |        |         |

#### **BREADTH**

|                              | Ra      | nk      | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 128     | /140    | -       | -      |
| Merchandise Trade            | 113/139 | 128/138 | 83%     | 82%    |
| Capital                      | 79      | /79     | -       | -      |
| FDI Stock                    | 67/88   | 101/111 | 92%     | 94%    |
| FDI Flows                    | 74/77   | •       | 100%    | •      |
| Portfolio Equity Stock       | 70/71   |         | 94%     |        |
| Information                  | 81      | /85     | _       | -      |
| International Phone Calls    | 83/83   | 69/70   | 96%     | 99%    |
| Printed Publications Trade   | 50/137  | 117/137 | 64%     | 98%    |
| People                       | 58/     | 58/123  |         | -      |
| Migrants                     | 102/139 | 82/136  | 86%     | 88%    |
| Tourists Departures/Arrivals | _       | •       | _       | •      |
| International Students       | _       | 38/93   | _       | 18%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 76/140  | \$5,749 |
| Linguistic Commonality (+) | 108/140 | 0%      |
| Remoteness (-)             | 115/138 | 2.8     |
| Population (-)             | 79/140  | 9.5     |
| Landlocked (-)             | -       | No      |
|                            |         |         |

|                           | Rank    | Leve |  |
|---------------------------|---------|------|--|
| Operating Environment (+) | •       | •    |  |
| Infrastructure (+)        | •       | •    |  |
| Press Freedom (+)         | 123/137 | 48   |  |
| Labor Freedom (+)         | 20/140  | 80   |  |
| Financial Freedom (+)     | 136/136 | 10   |  |

| Globalization Policies          |         |       |  |  |  |
|---------------------------------|---------|-------|--|--|--|
|                                 | Rank    | Level |  |  |  |
| Enabling Trade Index (+)        | •       | •     |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 70/120  | 2.2   |  |  |  |
| Capital Account Openness (+)    | 123/134 | 0.0   |  |  |  |
| Visa-Free Travel Outward (+)    | 95/140  | 62    |  |  |  |
| Visa-Free Travel Inward (+)     | •       | •     |  |  |  |

- Not Applicable

(+) Positive Impact

(-) Negative Impact

#### **KEY SCORES AND TRENDS**

|                    |        | Rank          |        |        | Score  |        |  |
|--------------------|--------|---------------|--------|--------|--------|--------|--|
|                    | 2015   | 2013          | Change | 2015   | 2013   | Change |  |
| Overall            | 6/140  | 5/140         | -1     | 81/100 | 81/100 | 0      |  |
| Depth              | 5/140  | 6/140         | 1      | 45/50  | 45/50  | 0      |  |
| Breadth            | 25/140 | 25/140        | 0      | 36/50  | 35/50  | 1      |  |
| Trade Pillar       | 1/140  | <b>1</b> /140 | 0      | 90/100 | 89/100 | 1      |  |
| Capital Pillar     | 15/72  | 13/72         | -2     | 70/100 | 70/100 | 0      |  |
| Information Pillar | 18/85  | 18/85         | 0      | 73/100 | 74/100 | -1     |  |
| People Pillar      | 10/102 | 13/103        | 3      | 80/100 | 79/100 | 1      |  |

#### **CONNECTEDNESS SCORE TREND** 90 85 0 80 75 70 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

#### DEPTH

|                                                                | Rank           |                | Le      | vel    |  |
|----------------------------------------------------------------|----------------|----------------|---------|--------|--|
|                                                                | Outward Inward |                | Outward | Inward |  |
| Trade                                                          | 3/1            | 40             | -       | -      |  |
| Merchandise Trade (% of GDP)                                   | 3/139          | 7/140          | 88%     | 83%    |  |
| Services Trade (% of GDP)                                      | 17/140         | 9/140          | 24%     | 23%    |  |
| Capital                                                        | 7/9            | 90             | -       | _      |  |
| FDI Stock (% of GDP)                                           | 9/133          | <b>16</b> /140 | 101%    | 103%   |  |
| FDI Flows (% of GFCF)                                          | <b>12</b> /131 | 71/138         | 19%     | 11%    |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | 19/82          | 33/81          | 65%     | 28%    |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 16/84          | 25/86          | 5%      | 1%     |  |
| Information                                                    | 9/1            | 40             | -       | _      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 12/            | 140            | 241,    | 1,805  |  |
| International Phone Calls<br>(Minutes per Capita)              | 23/140         | 26/140         | 343     | 289    |  |
| Printed Publications Trade<br>(USD per Capita)                 | 6/137          | 9/137          | \$93    | \$74   |  |
| People                                                         | 28/            | 112            | -       | -      |  |
| Migrants (% of Population)                                     | 84/139         | 34/139         | 5%      | 12%    |  |
| Tourists (Dep./Arr. per Capita)                                | 12/80          | 41/126         | 1.0     | 0.7    |  |
| International Students (% of Tertiary<br>Education Enrollment) | 73/126         | 14/116         | 3%      | 12%    |  |

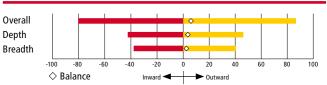
#### **ROOTED MAP**

#### **BELGIUM'S MERCHANDISE EXPORTS, 2015 Top Export Destinations Major Export Products** 1. Germany (17%) 6. Italy (5%) Chemicals, machinery and equipment, finished diamonds, metals and metal products, 2. France (15%) 7. Spain (3%) 3. Netherlands (11%) 8. India (2%) 4. U.K. (9%) 9. Poland (2%) foodstuffs 10. China (2%) 5. U.S.A. (6%) Belgium's Share of Partners' Imports 30% 6% 1% 8% 4% 2% unknown

#### **BREADTH**

|                              | Rank    |        | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 20/     | 140    | -       | -      |
| Merchandise Trade            | 35/139  | 23/138 | 76%     | 68%    |
| Capital                      | 29/     | 79     | -       | -      |
| FDI Stock                    | 15/88   | 43/111 | 83%     | 86%    |
| FDI Flows                    | 11/77   | 21/99  | 59%     | 82%    |
| Portfolio Equity Stock       | 41/71   |        | 89%     | _      |
| Information                  | 36/     | /85    | _       | -      |
| International Phone Calls    | 30/83   | 44/70  | 82%     | 89%    |
| Printed Publications Trade   | 21/137  | 58/137 | 93%     | 87%    |
| People                       | 12/     | 123    | -       | -      |
| Migrants                     | 34/139  | 13/136 | 81%     | 70%    |
| Tourists Departures/Arrivals | _       | 11/94  | _       | 84%    |
| International Students       | _       | •      | _       | 75%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 20/140  | \$40,107 |
| Linguistic Commonality (+) | 38/140  | 13%      |
| Remoteness (-)             | 137/138 | 1.7      |
| Population (-)             | 67/140  | 11.3     |
| Landlocked (-)             | _       | No       |
|                            |         |          |

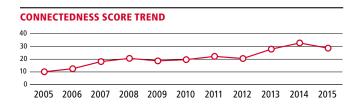
|                           | Rank           | Level |
|---------------------------|----------------|-------|
| Operating Environment (+) | 15/129         | 5.2   |
| Infrastructure (+)        | 18/128         | 5.4   |
| Press Freedom (+)         | 15/137         | 94    |
| Labor Freedom (+)         | <b>61</b> /140 | 64    |
| Financial Freedom (+)     | 18/136         | 70    |

| Globalization Policies          |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 19/128 | 4.9   |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |
| Capital Account Openness (+)    | 1/134  | 1.0   |
| Visa-Free Travel Outward (+)    | 14/140 | 170   |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |

### BENIN

#### **KEY SCORES AND TRENDS**

|                    |         | Rank           |        | Score         |        |        |
|--------------------|---------|----------------|--------|---------------|--------|--------|
|                    | 2015    | 2013           | Change | 2015          | 2013   | Change |
| Overall            | 121/140 | 123/140        | 2      | 29/100        | 28/100 | 1      |
| Depth              | 95/140  | 102/140        | 7      | <b>19</b> /50 | 17/50  | 2      |
| Breadth            | 121/140 | 112/140        | -9     | 10/50         | 11/50  | -1     |
| Trade Pillar       | 104/140 | 107/140        | 3      | 38/100        | 38/100 | 0      |
| Capital Pillar     | •       | •              | •      | •             | •      | •      |
| Information Pillar | •       | •              | •      | •             | •      | •      |
| People Pillar      | 85/102  | <b>91</b> /103 | 6      | 30/100        | 28/100 | 2      |

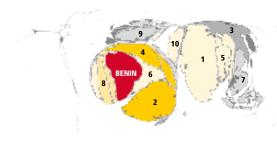


#### DEPTH

|                                                                | Rank    |                | Level   |        |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 70/     | 140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 76/139  | <b>61</b> /140 | 24%     | 36%    |
| Services Trade (% of GDP)                                      | 98/140  | 64/140         | 5%      | 9%     |
| Capital                                                        |         |                | -       | -      |
| FDI Stock (% of GDP)                                           | 98/133  | 113/140        | 2%      | 20%    |
| FDI Flows (% of GFCF)                                          | 75/131  | 61/138         | 1%      | 14%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •              | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          |         |                |         |        |
| Information                                                    | 122     | /140           | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 128     | /140           | 3,0     | 002    |
| International Phone Calls<br>(Minutes per Capita)              | 91/140  | 110/140        | 40      | 55     |
| Printed Publications Trade<br>(USD per Capita)                 | 115/137 | 127/137        | \$0     | \$0    |
| People                                                         | 65/     | 112            | -       | -      |
| Migrants (% of Population)                                     | 73/139  | 88/139         | 6%      | 2%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 114/126        | •       | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 67/126  | 25/116         | 4%      | 8%     |

#### **ROOTED MAP**

#### **BENIN'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

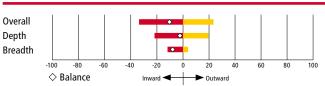
| Top Export Destinatio | ons                 | Major Export Products         |
|-----------------------|---------------------|-------------------------------|
| 1. India (24%)        | 6. Nigeria (5%)     | Cotton, cashews, shea butter, |
| 2. Gabon (15%)        | 7. Vietnam (4%)     | textiles, palm products,      |
| 3. China (7%)         | 8. Ghana (4%)       | seafood                       |
| 4. Niger (6%)         | 9. Switzerland (4%) |                               |
| 5. Bangladesh (5%)    | 10. Lebanon (3%)    |                               |
| Ponin's Sharo of      | Partners' Imports   |                               |

| benni s share of Farthers imports |    |      |      |       |       |        |         |
|-----------------------------------|----|------|------|-------|-------|--------|---------|
|                                   | 1% | 0.5% | 0.2% | 0.05% | 0.01% | 0.005% | unknown |
|                                   |    |      |      |       |       |        |         |
|                                   |    |      |      |       |       |        |         |

#### **BREADTH**

|                              | Ra       | Rank    |         | Region |
|------------------------------|----------|---------|---------|--------|
|                              | Outward  | Inward  | Outward | Inward |
| Trade                        | 112      | /140    | -       | -      |
| Merchandise Trade            | 131/139  | 70/138  | 39%     | 8%     |
| Capital                      |          |         | -       | -      |
| FDI Stock                    | 72/88    | 103/111 | 97%     | 32%    |
| FDI Flows                    | •        | 95/99   | •       | 46%    |
| Portfolio Equity Stock       | <u> </u> |         |         | _      |
| Information                  |          |         | _       | -      |
| International Phone Calls    | •        |         | •       | •      |
| Printed Publications Trade   | 111/137  | 61/137  | 90%     | 5%     |
| People                       | 111      | /123    | -       | -      |
| Migrants                     | 135/139  | 128/136 | 95%     | 99%    |
| Tourists Departures/Arrivals | _        | 69/94   | _       | 66%    |
| International Students       |          | •       | _       | •      |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                              |
|---------|------------------------------------|
| 128/140 | \$780                              |
| 47/140  | 8%                                 |
| 46/138  | 6.2                                |
| 71/140  | 10.9                               |
| _       | No                                 |
|         | <u>128/140</u><br>47/140<br>46/138 |

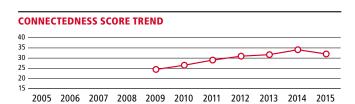
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 117/129 | 3.4   |
| Infrastructure (+)        | 120/128 | 2.6   |
| Press Freedom (+)         | 68/137  | 72    |
| Labor Freedom (+)         | 99/140  | 53    |
| Financial Freedom (+)     | 68/136  | 50    |

| Rank           | Level                                                       |
|----------------|-------------------------------------------------------------|
| 117/128        | 3.1                                                         |
| 10/120         | 10.6                                                        |
| <b>91</b> /134 | 0.2                                                         |
| 102/140        | 56                                                          |
| •              | •                                                           |
|                | 117/128           10/120           91/134           102/140 |

- Not Applicable

#### **KEY SCORES AND TRENDS**

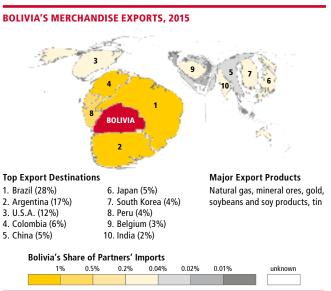
|                    |            | Rank    |        |        | Score  |        |
|--------------------|------------|---------|--------|--------|--------|--------|
|                    | 2015       | 2013    | Change | 2015   | 2013   | Change |
| Overall            | 116/140    | 115/140 | -1     | 32/100 | 32/100 | 0      |
| Depth              | 112/140    | 103/140 | -9     | 15/50  | 17/50  | -2     |
| Breadth            | 93/140     | 98/140  | 5      | 17/50  | 14/50  | 3      |
| Trade Pillar       | 82/140     | 88/140  | 6      | 46/100 | 44/100 | 2      |
| Capital Pillar     | 72/72      | 72/72   | 0      | 12/100 | 13/100 | -1     |
| Information Pillar | 77/85      | 77/85   | 0      | 39/100 | 38/100 | 1      |
| People Pillar      | - <u> </u> |         |        | •      |        | •      |



#### DEPTH

|                                                                | Ra      | nk      | Level   |        |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 86/     | 86/140  |         | -      |
| Merchandise Trade (% of GDP)                                   | 75/139  | 83/140  | 25%     | 29%    |
| Services Trade (% of GDP)                                      | 102/140 | 89/140  | 5%      | 7%     |
| Capital                                                        | 86/     | '90     | -       | _      |
| FDI Stock (% of GDP)                                           | 125/133 | 83/140  | 0%      | 35%    |
| FDI Flows (% of GFCF)                                          | 122/131 | 53/138  | 0%      | 15%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 76/82   | 78/81   | 0%      | 1%     |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | •       | •       | •      |
| Information                                                    | 98/     | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 96/     | 96/140  |         | 673    |
| International Phone Calls<br>(Minutes per Capita)              | 105/140 | 66/140  | 26      | 164    |
| Printed Publications Trade<br>(USD per Capita)                 | 114/137 | 82/137  | \$0     | \$4    |
| People                                                         |         |         | -       | -      |
| Migrants (% of Population)                                     | 57/139  | 105/139 | 7%      | 1%     |
| Tourists (Dep./Arr. per Capita)                                | 58/80   | 90/126  | 0.1     | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | •       | •       |         | •      |

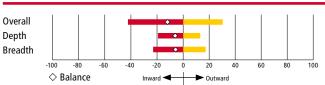
#### **ROOTED MAP**



#### BREADTH

|                              | Ra      | Rank    |         | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 67/     | 67/140  |         | -      |
| Merchandise Trade            | 78/139  | 57/138  | 58%     | 43%    |
| Capital                      | 74      | 74/79   |         | -      |
| FDI Stock                    | •       | 70/111  | •       | 27%    |
| FDI Flows                    | 63/77   | 86/99   | 46%     | 26%    |
| Portfolio Equity Stock       | 68/71   |         | 8%      | _      |
| Information                  | 69/85   |         | -       | -      |
| International Phone Calls    | 70/83   | 34/70   | 80%     | 37%    |
| Printed Publications Trade   | 83/137  | 108/137 | 80%     | 41%    |
| People                       | 54/     | 54/123  |         | -      |
| Migrants                     | 105/139 | 43/136  | 64%     | 70%    |
| Tourists Departures/Arrivals | _       | 44/94   | _       | 56%    |
| International Students       | -       | •       | _       | •      |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Dank    |                  |
|---------|------------------|
| Nalik   | Level            |
| 101/140 | \$2,886          |
| 59/140  | 6%               |
| 12/138  | 8.0              |
| 72/140  | 10.7             |
| -       | Yes              |
|         | 59/140<br>12/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 90/129  | 3.8   |
| Infrastructure (+)        | 103/128 | 3.0   |
| Press Freedom (+)         | 76/137  | 69    |
| Labor Freedom (+)         | 138/140 | 26    |
| Financial Freedom (+)     | 101/136 | 40    |

| <b>Globalization Policies</b>   |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 87/128 | 3.7   |
| Tariffs (Wtd. Mean Applied) (-) | 43/120 | 4.5   |
| Capital Account Openness (+)    | 73/134 | 0.4   |
| Visa-Free Travel Outward (+)    | 81/140 | 71    |
| Visa-Free Travel Inward (+)     | 24/127 | 53    |

- Not Applicable

Data Not Available

(+) Positive Impact

## **BOSNIA & HERZEGOVINA**

#### **KEY SCORES AND TRENDS**

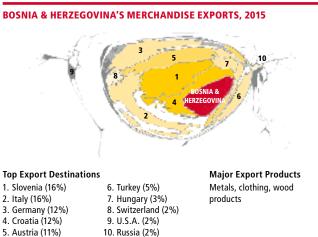
|                    |         | Rank    |        |        | Score  |        |
|--------------------|---------|---------|--------|--------|--------|--------|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |
| Overall            | 110/140 | 103/140 | -7     | 35/100 | 35/100 | 0      |
| Depth              | 52/140  | 48/140  | -4     | 30/50  | 30/50  | 0      |
| Breadth            | 133/140 | 131/140 | -2     | 5/50   | 5/50   | 0      |
| Trade Pillar       | 108/140 | 115/140 | 7      | 36/100 | 35/100 | 1      |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |
| Information Pillar | 73/85   | 67/85   | -6     | 41/100 | 43/100 | -2     |
| People Pillar      | 59/102  | 62/103  | 3      | 45/100 | 44/100 | 1      |

#### CONNECTEDNESS SCORE TREND 45 40 35 30 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

#### DEPTH

|                                                                | Ra      | Rank    |         | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 42/     | 42/140  |         | _      |
| Merchandise Trade (% of GDP)                                   | 47/139  | 25/140  | 32%     | 57%    |
| Services Trade (% of GDP)                                      | 59/140  | 133/140 | 10%     | 3%     |
| Capital                                                        |         |         |         | -      |
| FDI Stock (% of GDP)                                           | 99/133  | 66/140  | 2%      | 43%    |
| FDI Flows (% of GFCF)                                          | 84/131  | 72/138  | 1%      | 11%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | ·       | ·       | •       |        |
| Information                                                    | 49/     | 140     | -       |        |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 63/     | 140     | 56,331  |        |
| International Phone Calls<br>(Minutes per Capita)              | 64/140  | 34/140  | 88      | 268    |
| Printed Publications Trade<br>(USD per Capita)                 | 46/137  | 62/137  | \$5     | \$7    |
| People                                                         | 45/     | 45/112  |         | -      |
| Migrants (% of Population)                                     | 3/139   | 111/139 | 43%     | 1%     |
| Tourists (Dep./Arr. per Capita)                                | · ·     | 78/126  | ·       | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 22/126  | 28/116  | 10%     | 8%     |

#### **ROOTED MAP**

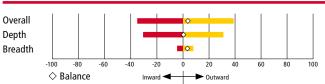


|        | ts    | mpor | ners' | Part | hare of | vina's S | lerzego | Bosnia & H |  |
|--------|-------|------|-------|------|---------|----------|---------|------------|--|
| unknov | 0.01% | % (  | 0.02  | 03%  | 5% 0.   | % 0.0    | 0.2     | 2%         |  |
|        |       |      |       |      |         |          |         |            |  |

#### BREADTH

|                              | Ra      | Rank    |         | e Region |  |   |
|------------------------------|---------|---------|---------|----------|--|---|
|                              | Outward | Inward  | Outward | Inward   |  |   |
| Trade                        | 131     | 131/140 |         | -        |  |   |
| Merchandise Trade            | 118/139 | 132/138 | 88%     | 93%      |  |   |
| Capital                      |         |         | -       | -        |  |   |
| FDI Stock                    | 87/88   | 89/111  | 99%     | 92%      |  |   |
| FDI Flows                    | ·       | 78/99   | •       | 90%      |  |   |
| Portfolio Equity Stock       |         |         |         |          |  |   |
| Information                  | 82      | /85     | _       | -        |  |   |
| International Phone Calls    | 73/83   | 61/70   | 97%     | 93%      |  |   |
| Printed Publications Trade   | 125/137 | 125/137 | 97%     |          |  |   |
| People                       | 101     | 101/123 |         | 101/123  |  | - |
| Migrants                     | 90/139  | 116/136 | 87%     | 100%     |  |   |
| Tourists Departures/Arrivals | _       | 54/94   | _       | 75%      |  |   |
| International Students       | _       | 89/93   | _       | 79%      |  |   |

#### DIRECTIONALITY



#### **STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS**

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 88/140  | \$4,088 |
| Linguistic Commonality (+) | 101/140 | 0%      |
| Remoteness (-)             | 125/138 | 2.6     |
| Population (-)             | 111/140 | 3.8     |
| Landlocked (-)             | _       | No      |
|                            |         |         |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 62/129 | 4.2   |
| Infrastructure (+)        | 88/128 | 3.4   |
| Press Freedom (+)         | 54/137 | 74    |
| Labor Freedom (+)         | 64/140 | 63    |
| Financial Freedom (+)     | 38/136 | 60    |

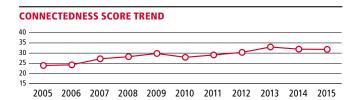
| Rank   | Level                                |
|--------|--------------------------------------|
| 75/128 | 3.9                                  |
| 77/120 | 1.7                                  |
| 88/134 | 0.3                                  |
| 68/140 | 98                                   |
| •      | •                                    |
|        | 75/128<br>77/120<br>88/134<br>68/140 |

- Not Applicable

## **BOTSWANA**

#### **KEY SCORES AND TRENDS**

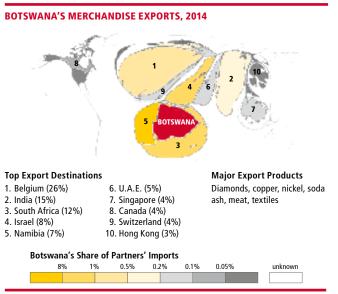
|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 117/140 | 111/140 | -6     | 32/100 | 33/100 | -1     |  |
| Depth              | 66/140  | 57/140  | -9     | 27/50  | 29/50  | -2     |  |
| Breadth            | 136/140 | 135/140 | -1     | 4/50   | 4/50   | 0      |  |
| Trade Pillar       | 111/140 | 110/140 | -1     | 35/100 | 36/100 | -1     |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | •       | •       | •      | •      | •      | •      |  |
| People Pillar      | 70/102  | 72/103  | 2      | 40/100 | 40/100 | 0      |  |



#### DEPTH

|                                                                | Ra      | nk      | Le      | vel         |  |     |
|----------------------------------------------------------------|---------|---------|---------|-------------|--|-----|
|                                                                | Outward | Inward  | Outward | Inward      |  |     |
| Trade                                                          | 36/     | 36/140  |         | -           |  |     |
| Merchandise Trade (% of GDP)                                   | 23/139  | 36/140  | 48%     | 49%         |  |     |
| Services Trade (% of GDP)                                      | 69/140  | 116/140 | 9%      | 5%          |  |     |
| Capital                                                        |         |         | -       | -           |  |     |
| FDI Stock (% of GDP)                                           | 73/133  | 80/140  | 6%      | 37%         |  |     |
| FDI Flows (% of GFCF)                                          | 128/131 | 77/138  | -2%     | 10%         |  |     |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       |             |  |     |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | •       | •       | •           |  |     |
| Information                                                    | 95/     | 95/140  |         | _           |  |     |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 108     | 108/140 |         | 108/140 11, |  | 379 |
| International Phone Calls<br>(Minutes per Capita)              | 50/140  | 94/140  | 138     | 93          |  |     |
| Printed Publications Trade<br>(USD per Capita)                 | 94/137  | 50/137  | \$0     | \$11        |  |     |
| People                                                         | 59/     | 59/112  |         | -           |  |     |
| Migrants (% of Population)                                     | 110/139 | 55/139  | 3%      | 7%          |  |     |
| Tourists (Dep./Arr. per Capita)                                | •       | 39/126  | •       | 0.7         |  |     |
| International Students (% of Tertiary<br>Education Enrollment) | 31/126  | 76/116  | 8%      | 2%          |  |     |

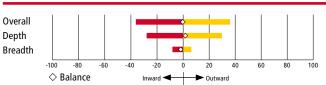
#### **ROOTED MAP**



#### **BREADTH**

|                              | Rank    |         | % Same Region |        |
|------------------------------|---------|---------|---------------|--------|
|                              | Outward | Inward  | Outward       | Inward |
| Trade                        | 139     | 139/140 |               | -      |
| Merchandise Trade            | 129/139 | 138/138 | 21%           | 76%    |
| Capital                      |         |         | -             | -      |
| FDI Stock                    | 61/88   | 88/111  | 89%           | 46%    |
| FDI Flows                    | •       | •       | •             | •      |
| Portfolio Equity Stock       | •       |         |               | _      |
| Information                  |         |         |               | -      |
| International Phone Calls    | · ·     | •       | •             | •      |
| Printed Publications Trade   | 105/137 | 118/137 | 71%           | 55%    |
| People                       | 97/123  |         | -             | -      |
| Migrants                     | 132/139 | 47/136  | 89%           | 77%    |
| Tourists Departures/Arrivals | _       | 82/94   | _             | 77%    |
| International Students       | -       | 68/93   | -             | 82%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                      |
|---------|----------------------------|
| 73/140  | \$6,041                    |
| 14/140  | 39%                        |
| 11/138  | 8.1                        |
| 119/140 | 2.3                        |
| _       | Yes                        |
|         | 73/140<br>14/140<br>11/138 |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 62/129 | 4.2   |
| Infrastructure (+)        | 82/128 | 3.5   |
| Press Freedom (+)         | 36/137 | 80    |
| Labor Freedom (+)         | 45/140 | 70    |
| Financial Freedom (+)     | 18/136 | 70    |

| Globalization Policies          |         |       |  |  |  |
|---------------------------------|---------|-------|--|--|--|
|                                 | Rank    | Level |  |  |  |
| Enabling Trade Index (+)        | 87/128  | 3.7   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 118/120 | 0.6   |  |  |  |
| Capital Account Openness (+)    | 1/134   | 1.0   |  |  |  |
| Visa-Free Travel Outward (+)    | 80/140  | 72    |  |  |  |
| Visa-Free Travel Inward (+)     | 47/127  | 29    |  |  |  |

## BRAZIL

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |                | Score  |        |  |
|--------------------|---------|---------|--------|----------------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015           | 2013   | Change |  |
| Overall            | 57/140  | 63/140  | 6      | <b>51</b> /100 | 48/100 | 3      |  |
| Depth              | 121/140 | 131/140 | 10     | 10/50          | 8/50   | 2      |  |
| Breadth            | 11/140  | 12/140  | 1      | 42/50          | 40/50  | 2      |  |
| Trade Pillar       | 66/140  | 72/140  | 6      | 51/100         | 48/100 | 3      |  |
| Capital Pillar     | 31/72   | 38/72   | 7      | 56/100         | 51/100 | 5      |  |
| Information Pillar | 34/85   | 32/85   | -2     | 63/100         | 64/100 | -1     |  |
| People Pillar      | 75/102  | 78/103  | 3      | 36/100         | 35/100 | 1      |  |

#### CONNECTEDNESS SCORE TREND 60 55 50 45 40 40

2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

#### DEPTH

|                                                                | Ra             | nk      | Le      | vel    |
|----------------------------------------------------------------|----------------|---------|---------|--------|
|                                                                | Outward        | Inward  | Outward | Inward |
| Trade                                                          | 136            | 136/140 |         | -      |
| Merchandise Trade (% of GDP)                                   | 121/139        | 139/140 | 11%     | 10%    |
| Services Trade (% of GDP)                                      | 133/140        | 125/140 | 2%      | 4%     |
| Capital                                                        | 59/            | /90     | -       | _      |
| FDI Stock (% of GDP)                                           | <b>61</b> /133 | 103/140 | 10%     | 27%    |
| FDI Flows (% of GFCF)                                          | <b>97</b> /131 | 55/138  | 0%      | 15%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 61/82          | 37/81   | 3%      | 24%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 57/84          | 28/86   | 0%      | 1%     |
| Information                                                    | 106            | /140    | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 73/            | 140     | 43,     | 634    |
| International Phone Calls<br>(Minutes per Capita)              | 126/140        | 116/140 | 9       | 45     |
| Printed Publications Trade<br>(USD per Capita)                 | 102/137        | 118/137 | \$0     | \$1    |
| People                                                         | 110            | /112    | -       | _      |
| Migrants (% of Population)                                     | 133/139        | 128/139 | 1%      | 0%     |
| Tourists (Dep./Arr. per Capita)                                | 75/80          | 108/126 | 0.0     | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 123/126        | 104/116 | 0%      | 0%     |

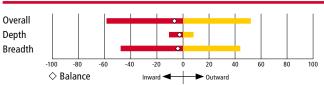
#### **ROOTED MAP**

#### **BRAZIL'S MERCHANDISE EXPORTS, 2015 Top Export Destinations Major Export Products** 1. China (19%) 6. Japan (3%) Transport equipment, iron ore, 7. Chile (2%) 2. U.S.A. (13%) soybeans, footwear, coffee, 3. Argentina (7%) 8. India (2%) automobiles 4. Netherlands (5%) 9. Mexico (2%) 5. Germany (3%) 10. Italy (2%) Brazil's Share of Partners' Imports 1% unknown 20% 8% 4% 3% 2% Г

#### BREADTH

|                              | Rank    |        | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 2/1     | 2/140  |         | -      |
| Merchandise Trade            | 6/139   | 4/138  | 19%     | 13%    |
| Capital                      | 21/79   |        | -       | -      |
| FDI Stock                    | 34/88   | 5/111  | 46%     | 6%     |
| FDI Flows                    | 16/77   | 3/99   | 22%     | 8%     |
| Portfolio Equity Stock       | 36/71   |        | 21%     |        |
| Information                  | 9/8     | 9/85   |         | -      |
| International Phone Calls    | 17/83   | 6/70   | 32%     | 8%     |
| Printed Publications Trade   | 39/137  | 5/137  | 47%     | 4%     |
| People                       | 30/123  |        | -       | -      |
| Migrants                     | 7/139   | 30/136 | 15%     | 31%    |
| Tourists Departures/Arrivals | _       | 36/94  | _       | 51%    |
| International Students       | -       | 40/93  | _       | 37%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |         |
|----------------------------|--------|---------|
|                            | Rank   | Level   |
| GDP per Capita (+)         | 65/140 | \$8,670 |
| Linguistic Commonality (+) | 95/140 | 0%      |
| Remoteness (-)             | 9/138  | 8.3     |
| Population (-)             | 5/140  | 207.8   |
| Landlocked (-)             | _      | No      |
|                            |        |         |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 83/129  | 3.9   |
| Infrastructure (+)        | 59/128  | 3.9   |
| Press Freedom (+)         | 79/137  | 68    |
| Labor Freedom (+)         | 102/140 | 52    |
| Financial Freedom (+)     | 38/136  | 60    |

| Globalization Policies |                                      |  |  |
|------------------------|--------------------------------------|--|--|
| Rank                   | Level                                |  |  |
| 82/128                 | 3.8                                  |  |  |
| 21/120                 | 7.8                                  |  |  |
| 80/134                 | 0.4                                  |  |  |
| 43/140                 | 148                                  |  |  |
| 96/127                 | 22                                   |  |  |
|                        | 82/128<br>21/120<br>80/134<br>43/140 |  |  |

- Not Applicable

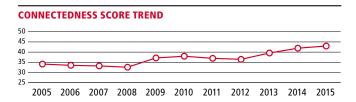
Data Not Available

(+) Positive Impact

# **BRUNEI DARUSSALAM**

# **KEY SCORES AND TRENDS**

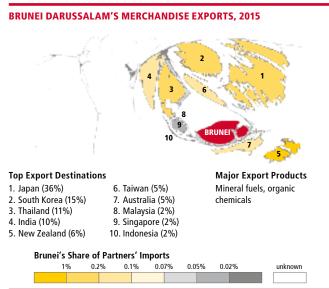
|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 83/140  | 90/140  | 7      | 43/100 | 40/100 | 3      |  |
| Depth              | 32/140  | 43/140  | 11     | 33/50  | 31/50  | 2      |  |
| Breadth            | 117/140 | 120/140 | 3      | 10/50  | 9/50   | 1      |  |
| Trade Pillar       | 116/140 | 128/140 | 12     | 34/100 | 29/100 | 5      |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | •       | •       | •      | •      | •      | •      |  |
| People Pillar      | 40/102  | 38/103  | -2     | 62/100 | 62/100 | 0      |  |



### DEPTH

|                                                                | Rank           |         | Le      | vel    |
|----------------------------------------------------------------|----------------|---------|---------|--------|
|                                                                | Outward        | Inward  | Outward | Inward |
| Trade                                                          | 57/            | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 16/139         | 113/140 | 56%     | 22%    |
| Services Trade (% of GDP)                                      | 96/140         | 20/140  | 5%      | 16%    |
| Capital                                                        |                |         | -       | -      |
| FDI Stock (% of GDP)                                           | 44/133         | 50/140  | 22%     | 51%    |
| FDI Flows (% of GFCF)                                          | <b>31</b> /131 | 85/138  | 11%     | 9%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | •              | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •              | •       | ·       | •      |
| Information                                                    | 29/            | 140     | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 57/            | 63,090  |         | 090    |
| International Phone Calls<br>(Minutes per Capita)              | 8/140          | 32/140  | 853     | 268    |
| Printed Publications Trade<br>(USD per Capita)                 | 97/137         | 3/137   | \$0     | \$171  |
| People                                                         | 15/            | 112     | -       | -      |
| Migrants (% of Population)                                     | 40/139         | 16/139  | 11%     | 24%    |
| Tourists (Dep./Arr. per Capita)                                | •              | 52/126  | •       | 0.5    |
| International Students (% of Tertiary<br>Education Enrollment) | 3/126          | 56/116  | 38%     | 3%     |

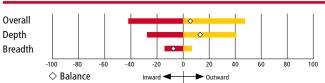
### **ROOTED MAP**



### **BREADTH**

|                              | Ra      | nk      | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 129     | /140    | -       | -      |
| Merchandise Trade            | 133/139 | 113/138 | 88%     | 79%    |
| Capital                      |         |         | -       | -      |
| FDI Stock                    | •       | •       | •       | •      |
| FDI Flows                    | 59/77   | 69/99   | 92%     | 18%    |
| Portfolio Equity Stock       | ·       |         |         | _      |
| Information                  |         |         | -       | -      |
| International Phone Calls    |         | •       | •       | •      |
| Printed Publications Trade   | 85/137  | 124/137 | 80%     | 24%    |
| People                       | 65/     | 123     | -       | -      |
| Migrants                     | 124/139 | 63/136  | 21%     | 86%    |
| Tourists Departures/Arrivals | _       | 64/94   | _       | 82%    |
| International Students       | _       | 33/93   | _       | 59%    |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 28/140  | \$28,237 |
| Linguistic Commonality (+) | 96/140  | 0%       |
| Remoteness (-)             | 35/138  | 6.4      |
| Population (-)             | 136/140 | 0.4      |
| Landlocked (-)             | _       | No       |
|                            |         |          |

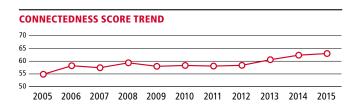
|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | •      | •     |
| Infrastructure (+)        | •      | •     |
| Press Freedom (+)         | 95/137 | 62    |
| Labor Freedom (+)         | 2/140  | 97    |
| Financial Freedom (+)     | 68/136 | 50    |

| Globalization Policies          |         |       |  |  |
|---------------------------------|---------|-------|--|--|
|                                 | Rank    | Level |  |  |
| Enabling Trade Index (+)        | •       | •     |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 119/120 | 0.5   |  |  |
| Capital Account Openness (+)    | •       | •     |  |  |
| Visa-Free Travel Outward (+)    | 38/140  | 150   |  |  |
| Visa-Free Travel Inward (+)     | •       |       |  |  |

# **BULGARIA**

# **KEY SCORES AND TRENDS**

|                    |        | Rank   |        | Score  |        |        |
|--------------------|--------|--------|--------|--------|--------|--------|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |
| Overall            | 32/140 | 32/140 | 0      | 63/100 | 61/100 | 2      |
| Depth              | 21/140 | 26/140 | 5      | 35/50  | 34/50  | 1      |
| Breadth            | 52/140 | 53/140 | 1      | 28/50  | 27/50  | 1      |
| Trade Pillar       | 26/140 | 30/140 | 4      | 64/100 | 62/100 | 2      |
| Capital Pillar     | 30/72  | 32/72  | 2      | 57/100 | 53/100 | 4      |
| Information Pillar | 35/85  | 35/85  | 0      | 63/100 | 63/100 | 0      |
| People Pillar      | 29/102 | 31/103 | 2      | 68/100 | 66/100 | 2      |

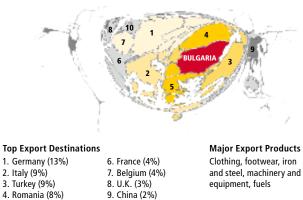


### DEPTH

|                                                                | Rank    |                | Le      | vel    |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 18/     | 140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 19/139  | 20/140         | 52%     | 60%    |
| Services Trade (% of GDP)                                      | 29/140  | 56/140         | 16%     | 10%    |
| Capital                                                        | 52/     | 90             | -       | _      |
| FDI Stock (% of GDP)                                           | 72/133  | 23/140         | 6%      | 86%    |
| FDI Flows (% of GFCF)                                          | 63/131  | 50/138         | 3%      | 16%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 42/82   | 72/81          | 25%     | 4%     |
| Portfolio Equity Flows (% of Mkt Cap)                          | 15/84   | 79/86          | 6%      | -1%    |
| Information                                                    | 46/     | 140            | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 23/     | 140            | 145     | ,170   |
| International Phone Calls<br>(Minutes per Capita)              | 77/140  | 47/140         | 61      | 216    |
| Printed Publications Trade<br>(USD per Capita)                 | 44/137  | 73/137         | \$6     | \$5    |
| People                                                         | 31/     | 112            | -       | _      |
| Migrants (% of Population)                                     | 26/139  | 104/139        | 16%     | 1%     |
| Tourists (Dep./Arr. per Capita)                                | 26/80   | <b>26</b> /126 | 0.6     | 1.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 28/126  | 42/116         | 9%      | 4%     |

### **ROOTED MAP**

#### **BULGARIA'S MERCHANDISE EXPORTS, 2015**



9. China (2%) 10. Netherlands (2%) Bulgaria's Share of Partners' Imports

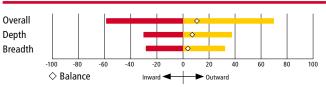
| Durguine | i 5 Shure | orraran | cis impo | 1113   |       |    |         |
|----------|-----------|---------|----------|--------|-------|----|---------|
| З        | % 1       | % 0.5   | 5% 0.2   | 5% 0.1 | % 0.0 | 5% | unknown |
|          |           |         |          |        |       |    |         |

### **BREADTH**

5. Greece (7%)

|                              | Ra      | Rank    |         | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 79/     | 140     | -       | -      |
| Merchandise Trade            | 51/139  | 103/138 | 74%     | 82%    |
| Capital                      | 26      | /79     | -       | -      |
| FDI Stock                    | 32/88   | 34/111  | 75%     | 88%    |
| FDI Flows                    | 27/77   | 20/99   | 67%     | 85%    |
| Portfolio Equity Stock       | 29/71   |         | 70%     |        |
| Information                  | 38/     | /85     |         | -      |
| International Phone Calls    | 34/83   | 39/70   | 82%     | 87%    |
| Printed Publications Trade   | 45/137  | 54/137  | 78%     | 82%    |
| People                       | 39/     | 123     | _       | -      |
| Migrants                     | 53/139  | 12/136  | 49%     | 75%    |
| Tourists Departures/Arrivals | _       | 30/94   | _       | 87%    |
| International Students       | _       | 49/93   | -       | 54%    |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| evel       |
|------------|
| ,832       |
| %          |
| .1         |
| <b>7.1</b> |
| lo         |
|            |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 76/129 | 4.0   |
| Infrastructure (+)        | 55/128 | 4.1   |
| Press Freedom (+)         | 84/137 | 67    |
| Labor Freedom (+)         | 27/140 | 77    |
| Financial Freedom (+)     | 38/136 | 60    |

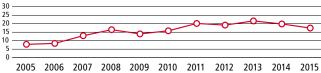
| Globalization Policies          |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 67/128 | 4.0   |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |
| Capital Account Openness (+)    | 1/134  | 1.0   |
| Visa-Free Travel Outward (+)    | 38/140 | 150   |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |
|                                 |        |       |

# **BURKINA FASO**

### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 135/140 | 131/140 | -4     | 17/100 | 22/100 | -5     |  |
| Depth              | 115/140 | 108/140 | -7     | 14/50  | 16/50  | -2     |  |
| Breadth            | 139/140 | 130/140 | -9     | 4/50   | 6/50   | -2     |  |
| Trade Pillar       | 136/140 | 131/140 | -5     | 19/100 | 25/100 | -6     |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | •       | •       | •      | •      | •      | •      |  |
| People Pillar      | 88/102  | 88/103  | 0      | 28/100 | 29/100 | -1     |  |

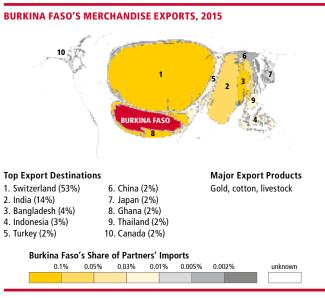
# CONNECTEDNESS SCORE TREND



### DEPTH

|                                                                | Ra      | nk      | Level   |        |  |
|----------------------------------------------------------------|---------|---------|---------|--------|--|
|                                                                | Outward | Inward  | Outward | Inward |  |
| Trade                                                          | 101     | 101/140 |         | -      |  |
| Merchandise Trade (% of GDP)                                   | 92/139  | 102/140 | 19%     | 24%    |  |
| Services Trade (% of GDP)                                      | 116/140 | 52/140  | 3%      | 10%    |  |
| Capital                                                        |         |         | -       | -      |  |
| FDI Stock (% of GDP)                                           | 93/133  | 121/140 | 3%      | 15%    |  |
| FDI Flows (% of GFCF)                                          | 65/131  | 56/138  | 2%      | 15%    |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       | •      |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | •       | •       | •      |  |
|                                                                |         |         |         |        |  |
| Information                                                    | 134/140 |         | _       |        |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 130     | /140    | 2,862   |        |  |
| International Phone Calls<br>(Minutes per Capita)              | 116/140 | 115/140 | 15      | 46     |  |
| Printed Publications Trade<br>(USD per Capita)                 | 134/137 | 128/137 | \$0     | \$0    |  |
| People                                                         | 67/     | 67/112  |         | -      |  |
| Migrants (% of Population)                                     | 50/139  | 69/139  | 8%      | 4%     |  |
| Tourists (Dep./Arr. per Capita)                                | •       | 117/126 | •       | 0.0    |  |
| International Students (% of Tertiary<br>Education Enrollment) | 58/126  | 64/116  | 5%      | 3%     |  |

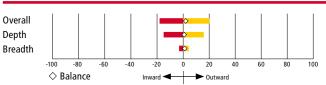
### **ROOTED MAP**



### BREADTH

|                              | Ra      | nk      | % Same Region |        |
|------------------------------|---------|---------|---------------|--------|
|                              | Outward | Inward  | Outward       | Inward |
| Trade                        | 136     | /140    | -             | -      |
| Merchandise Trade            | 134/139 | 125/138 | 6%            | 45%    |
| Capital                      |         |         | -             | -      |
| FDI Stock                    | 69/88   | 99/111  | 91%           | 16%    |
| FDI Flows                    | •       | •       | •             | •      |
| Portfolio Equity Stock       | •       | _       | ·             | _      |
| Information                  |         |         | -             | -      |
| International Phone Calls    | •       | · ·     | •             | •      |
| Printed Publications Trade   | 79/137  | 134/137 | •             | 3%     |
| People                       | 113/    | 113/123 |               | -      |
| Migrants                     | 139/139 | 131/136 | 98%           | 100%   |
| Tourists Departures/Arrivals | _       | 70/94   | _             | 47%    |
| International Students       | -       | •       | _             | •      |

# DIRECTIONALITY



| Rank    | Level                       |
|---------|-----------------------------|
| 133/140 | \$615                       |
| 50/140  | 8%                          |
| 53/138  | 5.9                         |
| 54/140  | 18.1                        |
| _       | Yes                         |
|         | 133/140<br>50/140<br>53/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 117/129 | 3.4   |
| Infrastructure (+)        | 117/128 | 2.7   |
| Press Freedom (+)         | 39/137  | 79    |
| Labor Freedom (+)         | 82/140  | 58    |
| Financial Freedom (+)     | 101/136 | 40    |

| <b>Globalization Policies</b>   |         |       |
|---------------------------------|---------|-------|
|                                 | Rank    | Level |
| Enabling Trade Index (+)        | 125/128 | 2.9   |
| Tariffs (Wtd. Mean Applied) (-) | 20/120  | 7.9   |
| Capital Account Openness (+)    | 91/134  | 0.2   |
| Visa-Free Travel Outward (+)    | 108/140 | 52    |
| Visa-Free Travel Inward (+)     | 106/127 | 18    |

# **BURUNDI**

# **KEY SCORES AND TRENDS**

|                    | Rank    |         |        | Score          |        |        |
|--------------------|---------|---------|--------|----------------|--------|--------|
|                    | 2015    | 2013    | Change | 2015           | 2013   | Change |
| Overall            | 140/140 | 140/140 | 0      | 8/100          | 9/100  | -1     |
| Depth              | 138/140 | 137/140 | -1     | 4/50           | 6/50   | -2     |
| Breadth            | 137/140 | 139/140 | 2      | 4/50           | 3/50   | 1      |
| Trade Pillar       | 140/140 | 139/140 | -1     | <b>16</b> /100 | 17/100 | -1     |
| Capital Pillar     | · ·     | •       | •      | •              | •      | •      |
| Information Pillar | · ·     | •       | •      | •              | •      | •      |
| People Pillar      | •       | •       | •      |                | •      |        |

#### **CONNECTEDNESS SCORE TREND**

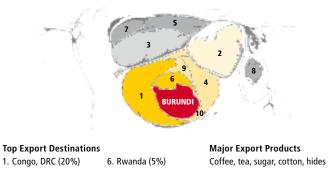
| 15 |      |      |      |      |      |      |      |      |      |      |      |
|----|------|------|------|------|------|------|------|------|------|------|------|
| 10 |      |      |      | ~    | _0_  |      |      | _0_  |      | _    |      |
| 5  |      |      | 0    | _0_  |      | -0-  | _0_  |      | 0    | -0-  | -0   |
| 0  |      |      |      |      |      |      |      |      |      |      |      |
| Ū  | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

### DEPTH

|                                                                | Ra      | nk       | Le      | vel    |
|----------------------------------------------------------------|---------|----------|---------|--------|
|                                                                | Outward | Inward   | Outward | Inward |
| Trade                                                          | 124     | /140     | -       | _      |
| Merchandise Trade (% of GDP)                                   | 137/139 | 95/140   | 4%      | 26%    |
| Services Trade (% of GDP)                                      | 137/140 | 73/140   | 1%      | 8%     |
| Capital                                                        |         |          |         | -      |
| FDI Stock (% of GDP)                                           | 130/133 | 139/140  | 0%      | 2%     |
| FDI Flows (% of GFCF)                                          | 112/131 | 114/138  | 0%      | 5%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •        | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | ·       | <u> </u> | ·       |        |
| Information                                                    | 138     | /140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 121     | /140     | 5,702   |        |
| International Phone Calls<br>(Minutes per Capita)              | 140/140 | 139/140  | 2       | 8      |
| Printed Publications Trade<br>(USD per Capita)                 | 135/137 | 133/137  | \$0     | \$0    |
| People                                                         | 93/     | 112      | -       | -      |
| Migrants (% of Population)                                     | 112/139 | 83/139   | 3%      | 3%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 116/126  | •       | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 60/126  | 85/116   | 4%      | 1%     |

### **ROOTED MAP**

### **BURUNDI'S MERCHANDISE EXPORTS, 2014**



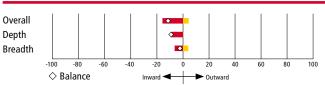
#### 6. Rwanda (5%) 7. Belgium (4%) 8. Singapore (3%) 9. Uganda (2%) 2. U.A.E. (18%) 3. Switzerland (17%) 4. Kenya (9%) 5. Germany (9%) 10. Tanzania (2%)

| Burundi's Share of Partners' Imports |      |       |       |        |        |         |  |
|--------------------------------------|------|-------|-------|--------|--------|---------|--|
| 0.3%                                 | 0.1% | 0.02% | 0.01% | 0.005% | 0.001% | unknown |  |
|                                      |      |       |       |        |        |         |  |

### **BREADTH**

|                              | Ra      | nk      | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 127     | /140    | -       | -      |
| Merchandise Trade            | 132/139 | 110/138 | 40%     | 40%    |
| Capital                      |         |         | -       | -      |
| FDI Stock                    | 84/88   | •       | 0%      | •      |
| FDI Flows                    | 64/77   | •       | 0%      | •      |
| Portfolio Equity Stock       | ·       |         |         |        |
| Information                  |         |         | -       | -      |
| International Phone Calls    |         |         | •       | •      |
| Printed Publications Trade   | 134/137 | 133/137 |         | 18%    |
| People                       |         |         | -       | -      |
| Migrants                     | 127/139 | 134/136 | 90%     | 100%   |
| Tourists Departures/Arrivals | _       | •       | _       | •      |
| International Students       |         | •       | _       | •      |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

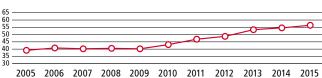
| Structural Factors         |         |       |
|----------------------------|---------|-------|
|                            | Rank    | Level |
| GDP per Capita (+)         | 140/140 | \$306 |
| Linguistic Commonality (+) | 44/140  | 8%    |
| Remoteness (-)             | 25/138  | 6.9   |
| Population (-)             | 69/140  | 11.2  |
| Landlocked (-)             | _       | Yes   |
|                            |         |       |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 125/129 | 3.1   |
| Infrastructure (+)        | 125/128 | 2.4   |
| Press Freedom (+)         | 115/137 | 54    |
| Labor Freedom (+)         | 50/140  | 68    |
| Financial Freedom (+)     | 118/136 | 30    |

| Globalization Policies |                                                              |  |  |  |
|------------------------|--------------------------------------------------------------|--|--|--|
| Rank                   | Level                                                        |  |  |  |
| 121/128                | 3.0                                                          |  |  |  |
| 33/120                 | 5.4                                                          |  |  |  |
| 123/134                | 0.0                                                          |  |  |  |
| 129/140                | 41                                                           |  |  |  |
| 8/127                  | 71                                                           |  |  |  |
|                        | 121/128           33/120           123/134           129/140 |  |  |  |

|                    |        | Rank           |        |        | Score  |        |
|--------------------|--------|----------------|--------|--------|--------|--------|
|                    | 2015   | 2013           | Change | 2015   | 2013   | Change |
| Overall            | 44/140 | 49/140         | 5      | 56/100 | 53/100 | 3      |
| Depth              | 24/140 | 22/140         | -2     | 34/50  | 34/50  | 0      |
| Breadth            | 73/140 | 77/140         | 4      | 22/50  | 19/50  | 3      |
| Trade Pillar       | 14/140 | 16/140         | 2      | 72/100 | 71/100 | 1      |
| Capital Pillar     | •      | •              | •      | •      | •      | •      |
| Information Pillar | •      | •              | •      | •      | •      | •      |
| People Pillar      | 77/102 | <b>79</b> /103 | 2      | 33/100 | 33/100 | 0      |

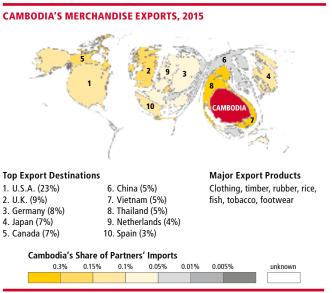
### **CONNECTEDNESS SCORE TREND**



# DEPTH

|                                                                | Ra             | Rank    |         | vel    |
|----------------------------------------------------------------|----------------|---------|---------|--------|
|                                                                | Outward        | Inward  | Outward | Inward |
| Trade                                                          | 7/1            | 7/140   |         | -      |
| Merchandise Trade (% of GDP)                                   | 13/139         | 8/140   | 66%     | 79%    |
| Services Trade (% of GDP)                                      | 23/140         | 53/140  | 21%     | 10%    |
| Capital                                                        |                |         | -       | _      |
| FDI Stock (% of GDP)                                           | <b>91</b> /133 | 26/140  | 3%      | 81%    |
| FDI Flows (% of GFCF)                                          | 78/131         | 10/138  | 1%      | 49%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •              | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •              | •       | •       | •      |
|                                                                |                |         |         |        |
| Information                                                    | 93/140         |         | -       |        |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 99/            | 140     | 17,     | 792    |
| International Phone Calls<br>(Minutes per Capita)              | 100/140        | 112/140 | 31      | 53     |
| Printed Publications Trade<br>(USD per Capita)                 | 3/137          | 56/137  | \$257   | \$9    |
| People                                                         | 92/112         |         | -       | _      |
| Migrants (% of Population)                                     | 55/139         | 123/139 | 8%      | 0%     |
| Tourists (Dep./Arr. per Capita)                                | 67/80          | 65/126  | 0.1     | 0.3    |
| International Students (% of Tertiary<br>Education Enrollment) | 90/126         | 108/116 | 2%      | 0%     |

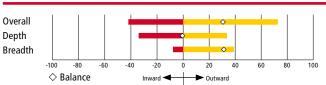
### **ROOTED MAP**



### **BREADTH**

|                              | Ra      | Rank    |         | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 69/     | 69/140  |         | -      |
| Merchandise Trade            | 9/139   | 126/138 | 30%     | 93%    |
| Capital                      |         |         | -       | -      |
| FDI Stock                    | •       | 90/111  | •       | 84%    |
| FDI Flows                    | •       | 81/99   | •       | 88%    |
| Portfolio Equity Stock       | •       | _       | ·       | _      |
| Information                  |         |         | -       | -      |
| International Phone Calls    | •       | •       | •       | •      |
| Printed Publications Trade   | 88/137  | 53/137  | 100%    | 24%    |
| People                       | 73/123  |         | -       | -      |
| Migrants                     | 76/139  | 111/136 | 76%     | 99%    |
| Tourists Departures/Arrivals | _       | 49/94   | _       | 77%    |
| International Students       |         | · ·     | _       | •      |

# DIRECTIONALITY



| Structural Factors |                              |  |  |  |  |
|--------------------|------------------------------|--|--|--|--|
| Rank               | Level                        |  |  |  |  |
| 122/140            | \$1,168                      |  |  |  |  |
| 108/140            | 0%                           |  |  |  |  |
| 61/138             | 5.7                          |  |  |  |  |
| 63/140             | 15.6                         |  |  |  |  |
| _                  | No                           |  |  |  |  |
|                    | 122/140<br>108/140<br>61/138 |  |  |  |  |

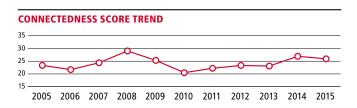
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 70/129  | 4.1   |
| Infrastructure (+)        | 96/128  | 3.1   |
| Press Freedom (+)         | 110/137 | 57    |
| Labor Freedom (+)         | 68/140  | 62    |
| Financial Freedom (+)     | 68/136  | 50    |

| Globalization Policies          |         |       |
|---------------------------------|---------|-------|
|                                 | Rank    | Level |
| Enabling Trade Index (+)        | 87/128  | 3.7   |
| Tariffs (Wtd. Mean Applied) (-) | 41/120  | 4.9   |
| Capital Account Openness (+)    | 56/134  | 0.7   |
| Visa-Free Travel Outward (+)    | 118/140 | 47    |
| Visa-Free Travel Inward (+)     | 6/127   | 72    |

# **CAMEROON**

# **KEY SCORES AND TRENDS**

|                    |                | Rank    |        | Score  |        |        |
|--------------------|----------------|---------|--------|--------|--------|--------|
|                    | 2015           | 2013    | Change | 2015   | 2013   | Change |
| Overall            | 127/140        | 130/140 | 3      | 26/100 | 23/100 | 3      |
| Depth              | 128/140        | 129/140 | 1      | 8/50   | 9/50   | -1     |
| Breadth            | <b>91</b> /140 | 96/140  | 5      | 17/50  | 14/50  | 3      |
| Trade Pillar       | 109/140        | 120/140 | 11     | 36/100 | 32/100 | 4      |
| Capital Pillar     | •              | •       | •      | •      | •      | •      |
| Information Pillar | •              | •       | •      | •      | •      | •      |
| People Pillar      | 92/102         | 93/103  | 1      | 27/100 | 27/100 | 0      |

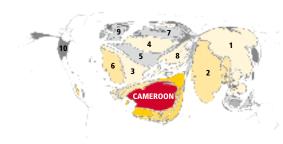


DEPTH

|                                                                | Ra      | Rank           |         | vel    |  |
|----------------------------------------------------------------|---------|----------------|---------|--------|--|
|                                                                | Outward | Inward         | Outward | Inward |  |
| Trade                                                          | 114     | 114/140        |         | _      |  |
| Merchandise Trade (% of GDP)                                   | 114/139 | 106/140        | 13%     | 23%    |  |
| Services Trade (% of GDP)                                      | 87/140  | <b>69</b> /140 | 6%      | 9%     |  |
| Capital                                                        |         |                | -       | -      |  |
| FDI Stock (% of GDP)                                           | 103/133 | 104/140        | 2%      | 27%    |  |
| FDI Flows (% of GFCF)                                          | 127/131 | 86/138         | -2%     | 9%     |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •              | •       | •      |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | _ · _          | •       | •      |  |
|                                                                |         |                |         |        |  |
| Information                                                    | 139/140 |                | -       |        |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 138     | 138/140        |         | 92     |  |
| International Phone Calls<br>(Minutes per Capita)              | 124/140 | 127/140        | 10      | 28     |  |
| Printed Publications Trade<br>(USD per Capita)                 | 123/137 | 119/137        | \$0     | \$1    |  |
| People                                                         | 84/     | 84/112         |         | _      |  |
| Migrants (% of Population)                                     | 125/139 | 99/139         | 1%      | 2%     |  |
| Tourists (Dep./Arr. per Capita)                                | •       | 101/126        | •       | 0.0    |  |
| International Students (% of Tertiary<br>Education Enrollment) | 24/126  | 80/116         | 9%      | 1%     |  |

# **ROOTED MAP**

### **CAMEROON'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| 6. Portugal (6%)    |
|---------------------|
| 7. Netherlands (5%) |
| 8. Italy (5%)       |
| 9. U.K. (3%)        |
| 10. U.S.A. (3%)     |
|                     |

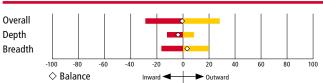
Major Export Products Crude oil and petroleum products, lumber, cocoa beans, aluminum, coffee, cotton

| Camero | on's Sha | re of Par | tners' Im | ports  |        |      |         |
|--------|----------|-----------|-----------|--------|--------|------|---------|
| 2      | 2% 0.    | 5% 0.     | 1% 0.0    | 5% 0.0 | 2% 0.0 | 1% I | unknown |
|        |          |           |           |        |        |      |         |

### **BREADTH**

|                              | Rank     |         | % Same  | Region |
|------------------------------|----------|---------|---------|--------|
|                              | Outward  | Inward  | Outward | Inward |
| Trade                        | 76/      | 140     | -       | -      |
| Merchandise Trade            | 72/139   | 78/138  | 12%     | 23%    |
| Capital                      |          |         | -       | -      |
| FDI Stock                    | 74/88    | •       | 2%      | •      |
| FDI Flows                    | 62/77    | •       | 3%      | •      |
| Portfolio Equity Stock       | <u> </u> |         |         |        |
| Information                  |          |         | _       | -      |
| International Phone Calls    | •        | •       |         | •      |
| Printed Publications Trade   | 131/137  | 76/137  | 97%     | 4%     |
| People                       | 106      | /123    | -       | -      |
| Migrants                     | 38/139   | 124/136 | 36%     | 99%    |
| Tourists Departures/Arrivals | _        | •       | _       | •      |
| International Students       | _        | 91/93   | _       | 100%   |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 121/140 | \$1,232 |
| Linguistic Commonality (+) | 5/140   | 45%     |
| Remoteness (-)             | 40/138  | 6.3     |
| Population (-)             | 49/140  | 23.3    |
| Landlocked (-)             | _       | No      |
|                            |         |         |

| General Policies/Environment |         |       |  |  |
|------------------------------|---------|-------|--|--|
|                              | Rank    | Level |  |  |
| Operating Environment (+)    | 83/129  | 3.9   |  |  |
| Infrastructure (+)           | 120/128 | 2.6   |  |  |
| Press Freedom (+)            | 105/137 | 58    |  |  |
| Labor Freedom (+)            | 116/140 | 48    |  |  |
| Financial Freedom (+)        | 68/136  | 50    |  |  |

| Rank           | Level                                                      |
|----------------|------------------------------------------------------------|
| 114/128        | 3.2                                                        |
| 3/120          | 15.8                                                       |
| <b>91</b> /134 | 0.2                                                        |
| 125/140        | 44                                                         |
| 120/127        | 3                                                          |
|                | 114/128           3/120           91/134           125/140 |

# **CANADA**

## **KEY SCORES AND TRENDS**

|                    |        | Rank    |        |        | Score  |        |  |
|--------------------|--------|---------|--------|--------|--------|--------|--|
|                    | 2015   | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 30/140 | 30/140  | 0      | 64/100 | 62/100 | 2      |  |
| Depth              | 45/140 | 54/140  | 9      | 31/50  | 29/50  | 2      |  |
| Breadth            | 33/140 | 35/140  | 2      | 33/50  | 33/50  | 0      |  |
| Trade Pillar       | 96/140 | 102/140 | 6      | 41/100 | 38/100 | 3      |  |
| Capital Pillar     | 13/72  | 12/72   | -1     | 72/100 | 70/100 | 2      |  |
| Information Pillar | 3/85   | 3/85    | 0      | 88/100 | 87/100 | 1      |  |
| People Pillar      | 16/102 | 18/103  | 2      | 78/100 | 77/100 | 1      |  |

#### **CONNECTEDNESS SCORE TREND** 70 65 $\sim$ 60 55 50

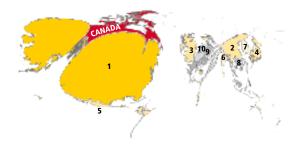
2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

### DEPTH

|                                                                | Rank    |        | Le      | evel   |  |
|----------------------------------------------------------------|---------|--------|---------|--------|--|
|                                                                | Outward | Inward | Outward | Inward |  |
| Trade                                                          | 87/     | 140    | -       | -      |  |
| Merchandise Trade (% of GDP)                                   | 68/139  | 86/140 | 26%     | 28%    |  |
| Services Trade (% of GDP)                                      | 96/140  | 96/140 | 5%      | 6%     |  |
| Capital                                                        | 21/     | '90    | -       | -      |  |
| FDI Stock (% of GDP)                                           | 12/133  | 54/140 | 69%     | 49%    |  |
| FDI Flows (% of GFCF)                                          | 20/131  | 58/138 | 15%     | 14%    |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | 23/82   | 45/81  | 53%     | 20%    |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 48/84   | 35/86  | 1%      | 1%     |  |
| Information                                                    | 11/     | 140    |         | _      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 26/     | 26/140 |         | 496    |  |
| International Phone Calls<br>(Minutes per Capita)              | 20/140  | 12/140 | 447     | 539    |  |
| Printed Publications Trade<br>(USD per Capita)                 | 24/137  | 10/137 | \$27    | \$68   |  |
| People                                                         | 21/     | 112    | -       | -      |  |
| Migrants (% of Population)                                     | 98/139  | 18/139 | 4%      | 22%    |  |
| Tourists (Dep./Arr. per Capita)                                | 13/80   | 55/126 | 0.9     | 0.5    |  |
| International Students (% of Tertiary<br>Education Enrollment) | •       | 21/116 | · ·     | 10%    |  |

### **ROOTED MAP**

### **CANADA'S MERCHANDISE EXPORTS, 2015**



# **Top Export Destinations**

| 1. U.S.A. (77%) | 6. India (1%)        |
|-----------------|----------------------|
| 2. China (4%)   | 7. South Korea (1%)  |
| 3. U.K. (3%)    | 8. Hong Kong (1%)    |
| 4. Japan (2%)   | 9. Germany (1%)      |
| 5. Mexico (1%)  | 10. Netherlands (1%) |
|                 |                      |

#### **Major Export Products**

Motor vehicles and parts, industrial machinery, aircraft, telecommunications equipment, chemicals, plastics, fertilizers, wood pulp, timber, crude petroleum, natural gas, electricity, aluminum

#### Canada's Share of Partners' Imports

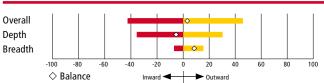
| 10% | 3% | 1% | 0.75% | 0.5% | 0.2% | unknown |
|-----|----|----|-------|------|------|---------|
|     |    |    |       |      |      |         |

### **BREADTH**

E

|                              | Rank    |        | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 83/     | 140    | -       | -      |
| Merchandise Trade            | 95/139  | 67/138 | 78%     | 60%    |
| Capital                      | 15,     | 79     | -       | -      |
| FDI Stock                    | 16/88   | 10/111 | 47%     | 52%    |
| FDI Flows                    | •       | •      | •       | •      |
| Portfolio Equity Stock       | 18/71   | _      | 61%     | _      |
|                              |         |        |         |        |
| Information                  | 11/     | /85    | -       | -      |
| International Phone Calls    | 8/83    | 5/70   | 64%     | 75%    |
| Printed Publications Trade   | 36/137  | 64/137 | 80%     | 75%    |
|                              |         |        |         |        |
| People                       | 17/     | 123    | -       | -      |
| Migrants                     | 16/139  | 1/136  | 67%     | 6%     |
| Tourists Departures/Arrivals |         | 51/94  |         | 71%    |
| International Students       | -       | 2/93   | -       | 7%     |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |          |
|----------------------------|--------|----------|
|                            | Rank   | Level    |
| GDP per Capita (+)         | 16/140 | \$43,332 |
| Linguistic Commonality (+) | 6/140  | 43%      |
| Remoteness (-)             | 87/138 | 4.3      |
| Population (-)             | 34/140 | 35.9     |
| Landlocked (-)             | _      | No       |
|                            |        |          |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 15/129 | 5.2   |
| Infrastructure (+)        | 20/128 | 5.2   |
| Press Freedom (+)         | 8/137  | 96    |
| Labor Freedom (+)         | 31/140 | 76    |
| Financial Freedom (+)     | 3/136  | 80    |

| Globalization Policies          |         |       |
|---------------------------------|---------|-------|
|                                 | Rank    | Level |
| Enabling Trade Index (+)        | 14/128  | 5.0   |
| Tariffs (Wtd. Mean Applied) (-) | 114/120 | 0.8   |
| Capital Account Openness (+)    | 1/134   | 1.0   |
| Visa-Free Travel Outward (+)    | 14/140  | 170   |
| Visa-Free Travel Inward (+)     | 109/127 | 15    |

# CHILE

# **KEY SCORES AND TRENDS**

|                    |        | Rank           |        |        | Score  |        |  |
|--------------------|--------|----------------|--------|--------|--------|--------|--|
|                    | 2015   | 2013           | Change | 2015   | 2013   | Change |  |
| Overall            | 53/140 | 50/140         | -3     | 54/100 | 53/100 | 1      |  |
| Depth              | 80/140 | 79/140         | -1     | 24/50  | 25/50  | -1     |  |
| Breadth            | 47/140 | 49/140         | 2      | 29/50  | 28/50  | 1      |  |
| Trade Pillar       | 47/140 | <b>41</b> /140 | -6     | 58/100 | 58/100 | 0      |  |
| Capital Pillar     | 29/72  | 26/72          | -3     | 58/100 | 57/100 | 1      |  |
| Information Pillar | 47/85  | 47/85          | 0      | 56/100 | 55/100 | 1      |  |
| People Pillar      | 83/102 | 86/103         | 3      | 30/100 | 30/100 | 0      |  |

#### **CONNECTEDNESS SCORE TREND**

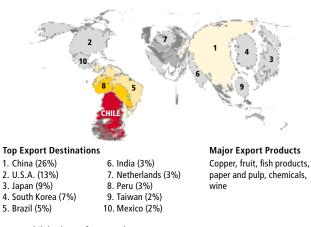
| 65 |      |      |      |        |      |      |      |      |      |      |      |
|----|------|------|------|--------|------|------|------|------|------|------|------|
| 60 |      |      |      |        |      |      |      |      |      |      |      |
| 55 |      |      |      | $\sim$ | ~    |      |      | ~    | ~    | -0-  |      |
| 50 | _0_  | _0_  | -0-  |        |      |      |      | -0-  | -0-  |      |      |
| 45 |      |      |      |        |      |      |      |      |      |      |      |
| 45 | 2005 | 2006 | 2007 | 2008   | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

### DEPTH

|                                                                | Ra             | nk      | Le      | vel    |
|----------------------------------------------------------------|----------------|---------|---------|--------|
|                                                                | Outward        | Inward  | Outward | Inward |
| Trade                                                          | 93/            | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 66/139         | 93/140  | 26%     | 26%    |
| Services Trade (% of GDP)                                      | 107/140        | 106/140 | 4%      | 6%     |
| Capital                                                        | 15/            | '90     | -       | -      |
| FDI Stock (% of GDP)                                           | <b>29</b> /133 | 22/140  | 36%     | 87%    |
| FDI Flows (% of GFCF)                                          | 11/131         | 20/138  | 20%     | 33%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 29/82          | 60/81   | 49%     | 10%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 36/84          | 33/86   | 2%      | 1%     |
| Information                                                    | 76/            | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 27/            | 140     | 129     | ,825   |
| International Phone Calls<br>(Minutes per Capita)              | 101/140        | 104/140 | 31      | 70     |
| Printed Publications Trade<br>(USD per Capita)                 | 70/137         | 60/137  | \$2     | \$8    |
| People                                                         | 94/            | 112     | -       | _      |
| Migrants (% of Population)                                     | 100/139        | 82/139  | 3%      | 3%     |
| Tourists (Dep./Arr. per Capita)                                | 47/80          | 75/126  | 0.2     | 0.2    |
| International Students (% of Tertiary<br>Education Enrollment) | 118/126        | 104/116 | 1%      | 0%     |

### **ROOTED MAP**

### **CHILE'S MERCHANDISE EXPORTS, 2015**

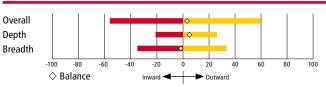


| Chile' | hile's Share of Partners' Imports |    |      |    |      |      |         |  |
|--------|-----------------------------------|----|------|----|------|------|---------|--|
|        | 4%                                | 2% | 1.5% | 1% | 0.3% | 0.2% | unknown |  |
|        |                                   |    |      |    |      |      |         |  |

### BREADTH

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 22/     | 140    | -       | -      |
| Merchandise Trade            | 28/139  | 33/138 | 16%     | 21%    |
| Capital                      | 49      | /79    | -       | -      |
| FDI Stock                    | •       |        | 76%     | 16%    |
| FDI Flows                    | 48/77   | 32/99  | 63%     | 25%    |
| Portfolio Equity Stock       | 47/71   |        | 3%      |        |
| Information                  | 42      | /85    | _       | -      |
| International Phone Calls    | 38/83   | 30/70  | 66%     | 52%    |
| Printed Publications Trade   | 107/137 | 16/137 | 80%     | 17%    |
| People                       | 83/     | 83/123 |         | -      |
| Migrants                     | 30/139  | 58/136 | 46%     | 78%    |
| Tourists Departures/Arrivals | _       | 79/94  | _       | 78%    |
| International Students       | _       | 74/93  | _       | 94%    |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |          |
|----------------------------|--------|----------|
|                            | Rank   | Level    |
| GDP per Capita (+)         | 50/140 | \$13,341 |
| Linguistic Commonality (+) | 68/140 | 6%       |
| Remoteness (-)             | 4/138  | 8.9      |
| Population (-)             | 55/140 | 17.9     |
| Landlocked (-)             | _      | No       |
|                            |        |          |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 24/129 | 5.0   |
| Infrastructure (+)        | 40/128 | 4.4   |
| Press Freedom (+)         | 37/137 | 80    |
| Labor Freedom (+)         | 53/140 | 67    |
| Financial Freedom (+)     | 18/136 | 70    |

| Rank   | Level                               |
|--------|-------------------------------------|
| 8/128  | 5.1                                 |
| 75/120 | 1.8                                 |
| 60/134 | 0.7                                 |
| 38/140 | 150                                 |
| 39/127 | 33                                  |
|        | 8/128<br>75/120<br>60/134<br>38/140 |

# **CHINA**

# **KEY SCORES AND TRENDS**

|                    |         | Rank           |        |        | Score  |        |  |
|--------------------|---------|----------------|--------|--------|--------|--------|--|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |  |
| Overall            | 68/140  | 65/140         | -3     | 48/100 | 48/100 | 0      |  |
| Depth              | 125/140 | 128/140        | 3      | 9/50   | 9/50   | 0      |  |
| Breadth            | 16/140  | <b>16</b> /140 | 0      | 39/50  | 39/50  | 0      |  |
| Trade Pillar       | 56/140  | 52/140         | -4     | 55/100 | 57/100 | -2     |  |
| Capital Pillar     | 53/72   | 53/72          | 0      | 44/100 | 42/100 | 2      |  |
| Information Pillar | 52/85   | 48/85          | -4     | 53/100 | 54/100 | -1     |  |
| People Pillar      | · ·     |                |        |        |        | •      |  |



### 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

### DEPTH

|                                                                | Rank    |                 | Level   |        |
|----------------------------------------------------------------|---------|-----------------|---------|--------|
|                                                                | Outward | Inward          | Outward | Inward |
| Trade                                                          | 125     | /140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 86/139  | 133/140         | 21%     | 15%    |
| Services Trade (% of GDP)                                      | 124/140 | 120/140         | 3%      | 4%     |
| Capital                                                        | 79.     | /90             | -       | -      |
| FDI Stock (% of GDP)                                           | 67/133  | 132/140         | 9%      | 11%    |
| FDI Flows (% of GFCF)                                          | 60/131  | 126/138         | 3%      | 3%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 63/82   | 67/81           | 2%      | 7%     |
| Portfolio Equity Flows (% of Mkt Cap)                          | 59/84   | 41/86           | 0%      | 1%     |
| Information                                                    | 111/    | /140            | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 115     | /140            | 6,530   |        |
| International Phone Calls<br>(Minutes per Capita)              | 119/140 | 134/140         | 14      | 19     |
| Printed Publications Trade<br>(USD per Capita)                 | 59/137  | 114/137         | \$3     | \$1    |
| People                                                         | 107     | /112            | -       | -      |
| Migrants (% of Population)                                     | 135/139 | <b>139</b> /139 | 1%      | 0%     |
| Tourists (Dep./Arr. per Capita)                                | 59/80   | 103/126         | 0.1     | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 86/126  | 100/116         | 2%      | 0%     |

### **ROOTED MAP**

### **CHINA'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| 1. U.S.A. (18%)     | 6. Vietnam (3%)     | E  |
|---------------------|---------------------|----|
| 2. Hong Kong (15%)  | 7. U.K. (3%)        | in |
| 3. Japan (6%)       | 8. Netherlands (3%) | e  |
| 4. South Korea (4%) | 9. India (3%)       | te |
| 5. Germany (3%)     | 10. Singapore (2%)  |    |

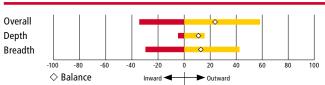
Major Export Products Electrical and other machinery including data processing equipment, apparel, furniture, textiles, integrated circuits

| China's Shar | e of Part | ners' Im | ports |    |    |         |
|--------------|-----------|----------|-------|----|----|---------|
| 50%          | 20%       | 15%      | 10%   | 5% | 2% | unknown |
|              |           |          |       |    |    |         |

### BREADTH

|                              | Rank    |        | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 4/140   |        | -       | -      |
| Merchandise Trade            | 1/139   | 22/138 | 42%     | 51%    |
| Capital                      | 32/79   |        | _       | -      |
| FDI Stock                    | 35/88   | 67/111 | 68%     | 69%    |
| FDI Flows                    | 25/77   | 75/99  | 66%     | 80%    |
| Portfolio Equity Stock       | 17/71   |        | 31%     | _      |
| Information                  | 17/85   |        | -       |        |
| International Phone Calls    | 27/83   | 13/70  | 79%     | 72%    |
| Printed Publications Trade   | 6/137   | 26/137 | 34%     | 39%    |
| People                       |         |        | _       | -      |
| Migrants                     | 20/139  | 67/136 | 55%     | 81%    |
| Tourists Departures/Arrivals | _       | •      | _       | •      |
| International Students       | _       | •      | _       | •      |

# DIRECTIONALITY



| Rank   | Level                      |
|--------|----------------------------|
| 66/140 | \$7,990                    |
| 89/140 | 2%                         |
| 56/138 | 5.9                        |
| 1/140  | 1376.0                     |
| _      | No                         |
|        | 66/140<br>89/140<br>56/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 35/129  | 4.6   |
| Infrastructure (+)        | 34/128  | 4.6   |
| Press Freedom (+)         | 137/137 | 15    |
| Labor Freedom (+)         | 66/140  | 63    |
| Financial Freedom (+)     | 118/136 | 30    |

| Globalization Policies          |                |       |  |  |  |  |
|---------------------------------|----------------|-------|--|--|--|--|
|                                 | Rank           | Level |  |  |  |  |
| Enabling Trade Index (+)        | 45/128         | 4.3   |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 58/120         | 3.2   |  |  |  |  |
| Capital Account Openness (+)    | <b>91</b> /134 | 0.2   |  |  |  |  |
| Visa-Free Travel Outward (+)    | 122/140        | 45    |  |  |  |  |
| Visa-Free Travel Inward (+)     | 123/127        | 2     |  |  |  |  |

# **COLOMBIA**

# **KEY SCORES AND TRENDS**

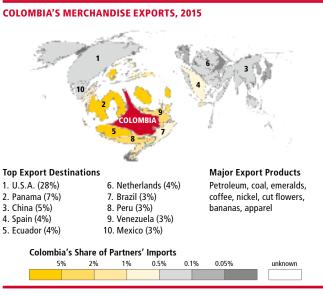
|                    |         | Rank    |        |                | Score  |        |  |
|--------------------|---------|---------|--------|----------------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015           | 2013   | Change |  |
| Overall            | 88/140  | 93/140  | 5      | 42/100         | 38/100 | 4      |  |
| Depth              | 107/140 | 116/140 | 9      | 16/50          | 13/50  | 3      |  |
| Breadth            | 58/140  | 58/140  | 0      | 26/50          | 25/50  | 1      |  |
| Trade Pillar       | 100/140 | 112/140 | 12     | 40/100         | 36/100 | 4      |  |
| Capital Pillar     | 47/72   | 54/72   | 7      | 48/100         | 42/100 | 6      |  |
| Information Pillar | 39/85   | 36/85   | -3     | <b>61</b> /100 | 60/100 | 1      |  |
| People Pillar      | 84/102  | 87/103  | 3      | 30/100         | 29/100 | 1      |  |

# CONNECTEDNESS SCORE TREND

### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 134     | 134/140 |         | _      |
| Merchandise Trade (% of GDP)                                   | 117/139 | 125/140 | 12%     | 18%    |
| Services Trade (% of GDP)                                      | 127/140 | 129/140 | 2%      | 4%     |
| Capital                                                        | 27/     | /90     | -       | -      |
| FDI Stock (% of GDP)                                           | 48/133  | 53/140  | 16%     | 51%    |
| FDI Flows (% of GFCF)                                          | 44/131  | 45/138  | 6%      | 17%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | 51/81   | •       | 15%    |
| Portfolio Equity Flows (% of Mkt Cap)                          |         | 21/86   |         | 2%     |
| Information                                                    | 73/     | 140     | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 36/     | 140     | 105     | ,050   |
| International Phone Calls<br>(Minutes per Capita)              | 109/140 | 61/140  | 22      | 173    |
| Printed Publications Trade<br>(USD per Capita)                 | 64/137  | 89/137  | \$2     | \$3    |
| People                                                         | 102     | 102/112 |         | -      |
| Migrants (% of Population)                                     | 76/139  | 131/139 | 5%      | 0%     |
| Tourists (Dep./Arr. per Capita)                                | 60/80   | 99/126  | 0.1     | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 103/126 | 115/116 | 1%      | 0%     |

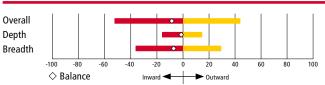
# **ROOTED MAP**



### BREADTH

|                              | Ra             | nk     | % Same  | Region  |  |   |
|------------------------------|----------------|--------|---------|---------|--|---|
|                              | Outward        | Inward | Outward | Inward  |  |   |
| Trade                        | 44/            | 44/140 |         | -       |  |   |
| Merchandise Trade            | <b>49</b> /139 | 36/138 | 34%     | 13%     |  |   |
| Capital                      | 57/            | 57/79  |         | 57/79 – |  | - |
| FDI Stock                    | 56/88          | •      | 85%     | •       |  |   |
| FDI Flows                    | 29/77          | 35/99  | 62%     | 44%     |  |   |
| Portfolio Equity Stock       | 56/71          |        | 4%      |         |  |   |
| Information                  | 30/85          |        | _       | -       |  |   |
| International Phone Calls    | 33/83          | 16/70  | 55%     | 17%     |  |   |
| Printed Publications Trade   | 75/137         | 67/137 | 72%     | 39%     |  |   |
| People                       | 67/            | 67/123 |         | -       |  |   |
| Migrants                     | 50/139         | 38/136 | 50%     | 63%     |  |   |
| Tourists Departures/Arrivals | _              | 62/94  | _       | 52%     |  |   |
| International Students       | _              | 71/93  | _       | 85%     |  |   |

# DIRECTIONALITY



# **STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS**

| Structural Factors         |        |         |
|----------------------------|--------|---------|
|                            | Rank   | Level   |
| GDP per Capita (+)         | 71/140 | \$6,084 |
| Linguistic Commonality (+) | 69/140 | 6%      |
| Remoteness (-)             | 30/138 | 6.6     |
| Population (-)             | 27/140 | 48.2    |
| Landlocked (-)             | _      | No      |
|                            |        |         |

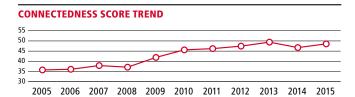
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 105/129 | 3.6   |
| Infrastructure (+)        | 82/128  | 3.5   |
| Press Freedom (+)         | 100/137 | 59    |
| Labor Freedom (+)         | 18/140  | 82    |
| Financial Freedom (+)     | 18/136  | 70    |

| Rank   |                                      |
|--------|--------------------------------------|
| Nalik  | Level                                |
| 67/128 | 4.0                                  |
| 44/120 | 4.2                                  |
| 80/134 | 0.4                                  |
| 88/140 | 66                                   |
| 16/127 | 67                                   |
|        | 67/128<br>44/120<br>80/134<br>88/140 |

# **CONGO, REPUBLIC**

# **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |  |
|--------------------|--------|--------|--------|--------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |  |
| Overall            | 66/140 | 57/140 | -9     | 49/100 | 49/100 | 0      |  |
| Depth              | 39/140 | 47/140 | 8      | 32/50  | 30/50  | 2      |  |
| Breadth            | 94/140 | 76/140 | -18    | 17/50  | 19/50  | -2     |  |
| Trade Pillar       | 18/140 | 21/140 | 3      | 68/100 | 67/100 | 1      |  |
| Capital Pillar     | •      | •      | •      | •      | •      | •      |  |
| Information Pillar | •      | •      | •      | •      | •      | •      |  |
| People Pillar      | 78/102 | 80/103 | 2      | 33/100 | 33/100 | 0      |  |

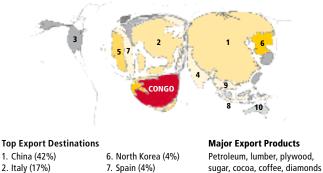


### DEPTH

|                                                                | Rank    |           | Level   |        |
|----------------------------------------------------------------|---------|-----------|---------|--------|
|                                                                | Outward | Inward    | Outward | Inward |
| Trade                                                          | 14/     | 140       | -       | -      |
| Merchandise Trade (% of GDP)                                   | 20/139  | 3/140     | 52%     | 87%    |
| Services Trade (% of GDP)                                      | 94/140  | 5/140     | 5%      | 37%    |
| Capital                                                        |         |           | -       | -      |
| FDI Stock (% of GDP)                                           | 111/133 | 6/140     | 1%      | 265%   |
| FDI Flows (% of GFCF)                                          | 117/131 | 7/138     | 0%      | 73%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •         | •       |        |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | •         | •       |        |
| Information                                                    | 120     | /140      |         | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 140     | D/140 185 |         | 35     |
| International Phone Calls<br>(Minutes per Capita)              | 62/140  | 63/140    | 94      | 168    |
| Printed Publications Trade<br>(USD per Capita)                 | 136/137 | 108/137   | \$0     | \$2    |
| People                                                         | 61/     | 112       | -       | -      |
| Migrants (% of Population)                                     | 83/139  | 51/139    | 5%      | 9%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 89/126    | •       | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 7/126   | 84/116    | 22%     | 1%     |

### **ROOTED MAP**





| 2. Italy (17%)   | 7. Spain (4%)      |
|------------------|--------------------|
| 3. U.S.A. (5%)   | 8. Indonesia (2%)  |
| 4. India (5%)    | 9. Thailand (2%)   |
| 5. Portugal (4%) | 10. Australia (2%) |
|                  |                    |

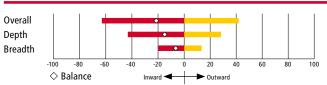
sugar, cocoa, cottee, diamono

| Congo's Share of Partners' Imports |    |       |      |       |       |       |         |
|------------------------------------|----|-------|------|-------|-------|-------|---------|
|                                    | 1% | 0.25% | 0.1% | 0.05% | 0.02% | 0.01% | unknown |
|                                    |    |       |      |       |       |       |         |

### BREADTH

|                              | Rank    |         | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 74/     | 140     | -       | -      |
| Merchandise Trade            | 106/139 | 41/138  | 3%      | 7%     |
| Capital                      |         |         | _       | -      |
| FDI Stock                    | •       | 105/111 | 0%      | 0%     |
| FDI Flows                    | •       | •       | •       | •      |
| Portfolio Equity Stock       | ·       | _       | ·       | _      |
| Information                  |         |         | _       | -      |
| International Phone Calls    | · ·     | · .     | •       | •      |
| Printed Publications Trade   | 126/137 | 132/137 | •       | 6%     |
| People                       | 112     | /123    | -       | -      |
| Migrants                     | 107/139 | 116/136 | 51%     | 95%    |
| Tourists Departures/Arrivals | _       | •       | _       | •      |
| International Students       | -       | 88/93   | _       | 97%    |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                       |
|---------|-----------------------------|
| 108/140 | \$2,032                     |
| 48/140  | 8%                          |
| 24/138  | 7.0                         |
| 103/140 | 4.6                         |
| _       | No                          |
|         | 108/140<br>48/140<br>24/138 |

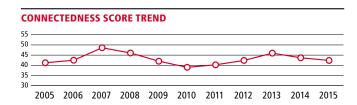
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | •       | •     |
| Infrastructure (+)        | •       | •     |
| Press Freedom (+)         | 85/137  | 67    |
| Labor Freedom (+)         | 134/140 | 36    |
| Financial Freedom (+)     | 118/136 | 30    |

| Globalization Policies          |                |       |
|---------------------------------|----------------|-------|
|                                 | Rank           | Level |
| Enabling Trade Index (+)        | •              | •     |
| Tariffs (Wtd. Mean Applied) (-) | 2/120          | 16.4  |
| Capital Account Openness (+)    | <b>91</b> /134 | 0.2   |
| Visa-Free Travel Outward (+)    | 129/140        | 41    |
| Visa-Free Travel Inward (+)     | •              | •     |

# **COSTA RICA**

# **KEY SCORES AND TRENDS**

|                    |                | Rank   |        |                | Score  |        |  |
|--------------------|----------------|--------|--------|----------------|--------|--------|--|
|                    | 2015           | 2013   | Change | 2015           | 2013   | Change |  |
| Overall            | 87/140         | 74/140 | -13    | 42/100         | 46/100 | -4     |  |
| Depth              | 85/140         | 72/140 | -13    | 23/50          | 26/50  | -3     |  |
| Breadth            | 80/140         | 73/140 | -7     | <b>19</b> /50  | 20/50  | -1     |  |
| Trade Pillar       | <b>91</b> /140 | 90/140 | -1     | 44/100         | 43/100 | 1      |  |
| Capital Pillar     | •              | •      | •      | •              | •      | •      |  |
| Information Pillar | 38/85          | 41/85  | 3      | <b>61</b> /100 | 58/100 | 3      |  |
| People Pillar      | <b>71</b> /102 | 74/103 | 3      | 40/100         | 39/100 | 1      |  |

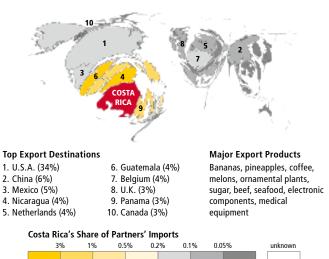


# DEPTH

|                                                                | Ra      | Rank         |         | vel    |
|----------------------------------------------------------------|---------|--------------|---------|--------|
|                                                                | Outward | Inward       | Outward | Inward |
| Trade                                                          | 89/     | 140          | -       | -      |
| Merchandise Trade (% of GDP)                                   | 97/139  | 81/140       | 18%     | 29%    |
| Services Trade (% of GDP)                                      | 39/140  | 112/140      | 15%     | 5%     |
| Capital                                                        |         |              |         | -      |
| FDI Stock (% of GDP)                                           | 81/133  | 51/140       | 4%      | 51%    |
| FDI Flows (% of GFCF)                                          | 70/131  | 23/138       | 2%      | 29%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •            | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | ·       | <u> </u>     | ·       |        |
| Information                                                    | 45/     | 140          | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 59/     | 59/140 61,74 |         | 746    |
| International Phone Calls<br>(Minutes per Capita)              | 54/140  | 38/140       | 126     | 244    |
| Printed Publications Trade<br>(USD per Capita)                 | 62/137  | 33/137       | \$3     | \$19   |
| People                                                         | 79/     | 112          | -       | -      |
| Migrants (% of Population)                                     | 106/139 | 49/139       | 3%      | 9%     |
| Tourists (Dep./Arr. per Capita)                                | 48/80   | 47/126       | 0.2     | 0.5    |
| International Students (% of Tertiary<br>Education Enrollment) | 109/126 | 85/116       | 1%      | 1%     |

# **ROOTED MAP**

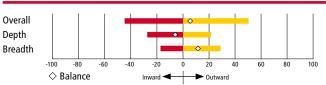
### **COSTA RICA'S MERCHANDISE EXPORTS, 2015**



### BREADTH

|                              | Rank           |         | % Same  | Region |
|------------------------------|----------------|---------|---------|--------|
|                              | Outward        | Inward  | Outward | Inward |
| Trade                        | 71/            | 140     | -       | -      |
| Merchandise Trade            | <b>39</b> /139 | 101/138 | 23%     | 15%    |
| Capital                      | 70             | /79     | -       | -      |
| FDI Stock                    | 38/88          | 65/111  | 64%     | 13%    |
| FDI Flows                    | 60/77          | 85/99   | 28%     | 14%    |
| Portfolio Equity Stock       | 63/71          |         | 60%     | _      |
| Information                  | 47/            | /85     | _       | -      |
| International Phone Calls    | 60/83          | 9/70    | 80%     | 14%    |
| Printed Publications Trade   | 81/137         | 112/137 | 87%     | 12%    |
| People                       | 67/            | 123     | -       | -      |
| Migrants                     | <b>51</b> /139 | 84/136  | 21%     | 92%    |
| Tourists Departures/Arrivals | _              | 57/94   | -       | 34%    |
| International Students       | _              | 61/93   | _       |        |

# DIRECTIONALITY



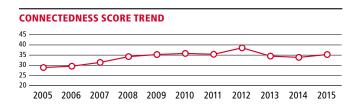
# **STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS**

| Structural Factors         |                |          |
|----------------------------|----------------|----------|
|                            | Rank           | Level    |
| GDP per Capita (+)         | 56/140         | \$10,936 |
| Linguistic Commonality (+) | <b>61</b> /140 | 6%       |
| Remoteness (-)             | 42/138         | 6.3      |
| Population (-)             | 101/140        | 4.8      |
| Landlocked (-)             | _              | No       |
|                            |                |          |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 40/129 | 4.5   |
| Infrastructure (+)        | 82/128 | 3.5   |
| Press Freedom (+)         | 16/137 | 94    |
| Labor Freedom (+)         | 95/140 | 55    |
| Financial Freedom (+)     | 68/136 | 50    |

| Rank   | Level                                |
|--------|--------------------------------------|
| 37/128 | 4.4                                  |
| 63/120 | 2.7                                  |
| 56/134 | 0.7                                  |
| 52/140 | 127                                  |
| 56/127 | 27                                   |
|        | 37/128<br>63/120<br>56/134<br>52/140 |

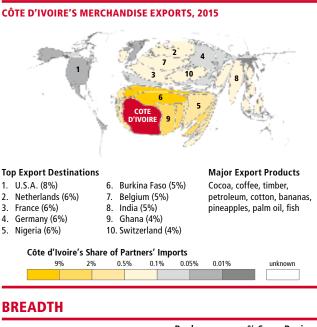
|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 109/140 | 104/140 | -5     | 35/100 | 35/100 | 0      |  |
| Depth              | 104/140 | 92/140  | -12    | 16/50  | 20/50  | -4     |  |
| Breadth            | 79/140  | 95/140  | 16     | 19/50  | 14/50  | 5      |  |
| Trade Pillar       | 55/140  | 63/140  | 8      | 56/100 | 52/100 | 4      |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | 83/85   | 82/85   | -1     | 22/100 | 27/100 | -5     |  |
| People Pillar      | •       | •       | •      | •      | •      | •      |  |



### DEPTH

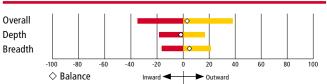
|                                                                | Ra              | nk             | Level   |        |
|----------------------------------------------------------------|-----------------|----------------|---------|--------|
|                                                                | Outward         | Inward         | Outward | Inward |
| Trade                                                          | 61/             | 140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 39/139          | 70/140         | 36%     | 32%    |
| Services Trade (% of GDP)                                      | 128/140         | 61/140         | 2%      | 9%     |
| Capital                                                        | 88              | /90            | -       | _      |
| FDI Stock (% of GDP)                                           | <b>119</b> /133 | 106/140        | 0%      | 23%    |
| FDI Flows (% of GFCF)                                          | 107/131         | 95/138         | 0%      | 8%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 67/82           | •              | 1%      |        |
| Portfolio Equity Flows (% of Mkt Cap)                          | 72/84           | 64/86          | 0%      | 0%     |
| Information                                                    | 115/140         |                | -       |        |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 123             | 123/140        |         | 94     |
| International Phone Calls<br>(Minutes per Capita)              | 99/140          | 99/140 122/140 |         | 33     |
| Printed Publications Trade<br>(USD per Capita)                 | 110/137         | 113/137        | \$0     | \$1    |
| People                                                         |                 |                | -       | -      |
| Migrants (% of Population)                                     | 95/139          | 47/139         | 4%      | 10%    |
| Tourists (Dep./Arr. per Capita)                                | •               | •              | •       |        |
| International Students (% of Tertiary<br>Education Enrollment) | 64/126          | 77/116         | 4%      | 2%     |

# ROOTED MAP



|                              | Ra      | nk      | % Same Region |        |  |
|------------------------------|---------|---------|---------------|--------|--|
|                              | Outward | Inward  | Outward       | Inward |  |
| Trade                        | 58/140  |         | -             | -      |  |
| Merchandise Trade            | 45/139  | 68/138  | 31%           | 28%    |  |
| Capital                      |         |         | -             | -      |  |
| FDI Stock                    | •       | •       | •             | •      |  |
| FDI Flows                    | •       | •       | •             | •      |  |
| Portfolio Equity Stock       |         | _       |               | -      |  |
| Information                  | 80      | /85     | _             | _      |  |
| International Phone Calls    | 80/83   | 48/70   | 87%           | 18%    |  |
| Printed Publications Trade   | 127/137 | 123/137 | 91%           | 3%     |  |
| People                       | 121     | /123    | _             | -      |  |
| Migrants                     | 125/139 | 129/136 | 79%           | 100%   |  |
| Tourists Departures/Arrivals |         | •       | _             | •      |  |
| International Students       |         | 82/93   | _             | 93%    |  |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 117/140 | \$1,315 |
| Linguistic Commonality (+) | 53/140  | 8%      |
| Remoteness (-)             | 34/138  | 6.4     |
| Population (-)             | 50/140  | 22.7    |
| Landlocked (-)             | _       | No      |
|                            |         |         |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 105/129 | 3.6   |
| Infrastructure (+)        | 103/128 | 3.0   |
| Press Freedom (+)         | 70/137  | 70    |
| Labor Freedom (+)         | 117/140 | 46    |
| Financial Freedom (+)     | 68/136  | 50    |

| Globalization Policies          |                |       |  |  |  |
|---------------------------------|----------------|-------|--|--|--|
|                                 | Rank           | Level |  |  |  |
| Enabling Trade Index (+)        | 112/128        | 3.3   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 29/120         | 6.3   |  |  |  |
| Capital Account Openness (+)    | <b>91</b> /134 | 0.2   |  |  |  |
| Visa-Free Travel Outward (+)    | 106/140        | 54    |  |  |  |
| Visa-Free Travel Inward (+)     | 114/127        | 10    |  |  |  |

DHL Global Connectedness Index 2016 119

# **CROATIA**

# **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |
|--------------------|--------|--------|--------|--------|--------|--------|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |
| Overall            | 70/140 | 79/140 | 9      | 47/100 | 44/100 | 3      |
| Depth              | 53/140 | 76/140 | 23     | 30/50  | 26/50  | 4      |
| Breadth            | 92/140 | 81/140 | -11    | 17/50  | 18/50  | -1     |
| Trade Pillar       | 85/140 | 85/140 | 0      | 46/100 | 46/100 | 0      |
| Capital Pillar     | 59/72  | 61/72  | 2      | 42/100 | 33/100 | 9      |
| Information Pillar | 57/85  | 57/85  | 0      | 51/100 | 49/100 | 2      |
| People Pillar      | 35/102 | 35/103 | 0      | 63/100 | 63/100 | 0      |

### CONNECTEDNESS SCORE TREND

| 55 |      |      |      |      |      |      |      |          |      |      |      |
|----|------|------|------|------|------|------|------|----------|------|------|------|
| 50 |      | _0_  | -0-  | -0-  |      |      |      |          |      |      |      |
| 45 | _0_  | -    |      |      |      |      | _0_  | <u> </u> | -0-  | _0_  | -0   |
| 40 |      |      |      |      |      |      |      |          |      |      |      |
| 35 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012     | 2013 | 2014 | 2015 |

### DEPTH

|                                                                | Ra             | nk     | Le      | vel    |  |
|----------------------------------------------------------------|----------------|--------|---------|--------|--|
|                                                                | Outward        | Inward | Outward | Inward |  |
| Trade                                                          | 44/140         |        | -       | -      |  |
| Merchandise Trade (% of GDP)                                   | 64/139         | 41/140 | 26%     | 42%    |  |
| Services Trade (% of GDP)                                      | 13/140         | 81/140 | 26%     | 8%     |  |
| Capital                                                        | 58/            | 90     |         | _      |  |
| FDI Stock (% of GDP)                                           | 57/133         | 47/140 | 11%     | 54%    |  |
| FDI Flows (% of GFCF)                                          | 46/131         | 57/138 | 5%      | 15%    |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | 53/82          | 74/81  | 11%     | 3%     |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 51/84          | 70/86  | 1%      | 0%     |  |
| Information                                                    | 41/140         |        | _       |        |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 52/            | 140    | 72,     | 381    |  |
| International Phone Calls<br>(Minutes per Capita)              | 52/140         | 42/140 | 134     | 228    |  |
| Printed Publications Trade<br>(USD per Capita)                 | 33/137         | 51/137 | \$12    | \$11   |  |
| People                                                         | 19/            | 112    | -       | -      |  |
| Migrants (% of Population)                                     | <b>19</b> /139 | 29/139 | 20%     | 14%    |  |
| Tourists (Dep./Arr. per Capita)                                | 21/80          | 7/126  | 0.6     | 2.7    |  |
| International Students (% of Tertiary<br>Education Enrollment) | 43/126         | 94/116 | 6%      | 0%     |  |

# **ROOTED MAP**

### **CROATIA'S MERCHANDISE EXPORTS, 2015**



# Top Export Destinations 1. Italy (13%) 6. Serbia (5%) 2. Slovenia (12%) 7. Hungary (4%) 3. Germany (11%) 8. U.S.A. (2%)

### Major Export Products

Transport equipment, machinery, textiles, chemicals, foodstuffs, fuels

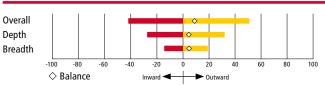
| 4. Bosnia & Herzegovina (10%) | 9. France (2%)       |  |
|-------------------------------|----------------------|--|
| 5. Austria (7%)               | 10. Netherlands (2%) |  |
| Countin/o Channe of Doute     |                      |  |
| Croatia's Share of Partr      | iers imports         |  |
|                               |                      |  |

| 3 | % 1 | % 0.2 | 5% 0.1 | 70 0.03 | 5% 0.01 | % unk | nown |
|---|-----|-------|--------|---------|---------|-------|------|
|   |     |       |        |         |         |       |      |
|   |     |       |        |         |         |       |      |

# BREADTH

|                              | Rank    |         | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 106     | /140    | -       | -      |
| Merchandise Trade            | 88/139  | 118/138 | 89%     | 88%    |
| Capital                      | 53/     | /79     | _       | -      |
| FDI Stock                    | 58/88   | 57/111  | 84%     | 97%    |
| FDI Flows                    | 49/77   | 50/99   | 86%     | 90%    |
| Portfolio Equity Stock       | ·       | _       |         | _      |
| Information                  | 72      | 72/85   |         | -      |
| International Phone Calls    | 77/83   | 64/70   | 98%     | 95%    |
| Printed Publications Trade   | 53/137  | 68/137  |         | 94%    |
| People                       | 50/     | 50/123  |         | -      |
| Migrants                     | 83/139  | 107/136 | 81%     | 99%    |
| Tourists Departures/Arrivals | _       | 25/94   | _       | 90%    |
| International Students       | _       | 43/93   |         | 81%    |

# DIRECTIONALITY



| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 54/140  | \$11,573 |
| Linguistic Commonality (+) | 103/140 | 0%       |
| Remoteness (-)             | 129/138 | 2.4      |
| Population (-)             | 106/140 | 4.2      |
| Landlocked (-)             | _       | No       |
|                            |         |          |

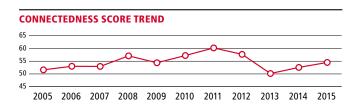
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 70/129  | 4.1   |
| Infrastructure (+)        | 40/128  | 4.4   |
| Press Freedom (+)         | 47/137  | 76    |
| Labor Freedom (+)         | 126/140 | 43    |
| Financial Freedom (+)     | 38/136  | 60    |

| Globalization Policies          |         |       |
|---------------------------------|---------|-------|
|                                 | Rank    | Level |
| Enabling Trade Index (+)        | 56/128  | 4.2   |
| Tariffs (Wtd. Mean Applied) (-) | 108/120 | 1.3   |
| Capital Account Openness (+)    | 60/134  | 0.7   |
| Visa-Free Travel Outward (+)    | 45/140  | 142   |
| Visa-Free Travel Inward (+)     | 66/127  | 23    |

# **CYPRUS**

# **KEY SCORES AND TRENDS**

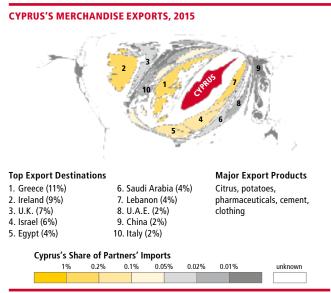
|                    |        | Rank    |        |        | Score  |        |
|--------------------|--------|---------|--------|--------|--------|--------|
|                    | 2015   | 2013    | Change | 2015   | 2013   | Change |
| Overall            | 50/140 | 54/140  | 4      | 55/100 | 50/100 | 5      |
| Depth              | 19/140 | 33/140  | 14     | 35/50  | 33/50  | 2      |
| Breadth            | 77/140 | 86/140  | 9      | 19/50  | 18/50  | 1      |
| Trade Pillar       | 95/140 | 103/140 | 8      | 41/100 | 38/100 | 3      |
| Capital Pillar     | 41/72  | 44/72   | 3      | 51/100 | 48/100 | 3      |
| Information Pillar | 29/85  | 43/85   | 14     | 67/100 | 56/100 | 11     |
| People Pillar      | 17/102 | 15/103  | -2     | 78/100 | 78/100 | 0      |



### DEPTH

|                                                                | Ra      | Rank    |         | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 83/     | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 125/139 | 84/140  | 9%      | 29%    |
| Services Trade (% of GDP)                                      | 6/140   | 6/140   | 45%     | 28%    |
| Capital                                                        | 4/      | 90      | -       | -      |
| FDI Stock (% of GDP)                                           | 2/133   | 2/140   | 689%    | 715%   |
| FDI Flows (% of GFCF)                                          | 8/131   | 137/138 | 32%     | -63%   |
| Portfolio Equity Stock (% of Mkt Cap)                          | 6/82    | 5/81    | 164%    | 96%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 9/84    | 3/86    | 9%      | 17%    |
| Information                                                    | 28/     | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 43/     | 140     | 89,     | 791    |
| International Phone Calls<br>(Minutes per Capita)              | 7/140   | 19/140  | 938     | 418    |
| Printed Publications Trade<br>(USD per Capita)                 | 103/137 | 37/137  | \$0     | \$17   |
| People                                                         | 2/1     | 2/112   |         | -      |
| Migrants (% of Population)                                     | 28/139  | 21/139  | 15%     | 17%    |
| Tourists (Dep./Arr. per Capita)                                | •       | 11/126  | •       | 2.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 2/126   | 13/116  | 85%     | 12%    |

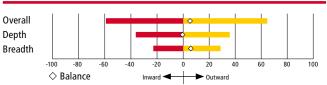
### **ROOTED MAP**



### BREADTH

|                              | Rank    |         | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 88/     | 140     | -       | -      |
| Merchandise Trade            | 75/139  | 91/138  | 54%     | 80%    |
| Capital                      | 71/     | 79      | -       |        |
| FDI Stock                    | ·       | •       | 96%     | 93%    |
| FDI Flows                    | 28/77   | 66/99   | 79%     | 56%    |
| Portfolio Equity Stock       | 67/71   |         | 95%     | _      |
| Information                  | 40/85 — |         | -       |        |
| International Phone Calls    | 32/83   | •       | 77%     | •      |
| Printed Publications Trade   | 40/137  | 110/137 | 58%     | 91%    |
| People                       | 43/     | 43/123  |         | -      |
| Migrants                     | 77/139  | 16/136  | 66%     | 59%    |
| Tourists Departures/Arrivals | _       | 58/94   | _       | 93%    |
| International Students       | _       | 30/93   |         | 57%    |

# DIRECTIONALITY



| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 34/140  | \$22,587 |
| Linguistic Commonality (+) | 91/140  | 1%       |
| Remoteness (-)             | 97/138  | 3.9      |
| Population (-)             | 129/140 | 1.2      |
| Landlocked (-)             | _       | No       |
|                            |         |          |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 24/129 | 5.0   |
| Infrastructure (+)        | 45/128 | 4.3   |
| Press Freedom (+)         | 24/137 | 88    |
| Labor Freedom (+)         | 77/140 | 60    |
| Financial Freedom (+)     | 68/136 | 50    |

| <b>Globalization Policies</b>   |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 37/128 | 4.4   |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |
| Capital Account Openness (+)    | 50/134 | 0.9   |
| Visa-Free Travel Outward (+)    | 35/140 | 158   |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |

# **CZECH REPUBLIC**

# **KEY SCORES AND TRENDS**

|                    |        | Rank           |        |        | Score  |        |
|--------------------|--------|----------------|--------|--------|--------|--------|
|                    | 2015   | 2013           | Change | 2015   | 2013   | Change |
| Overall            | 24/140 | 29/140         | 5      | 66/100 | 62/100 | 4      |
| Depth              | 13/140 | <b>14</b> /140 | 1      | 39/50  | 37/50  | 2      |
| Breadth            | 56/140 | 54/140         | -2     | 27/50  | 26/50  | 1      |
| Trade Pillar       | 12/140 | 17/140         | 5      | 74/100 | 70/100 | 4      |
| Capital Pillar     | 32/72  | 42/72          | 10     | 55/100 | 48/100 | 7      |
| Information Pillar | 41/85  | 38/85          | -3     | 60/100 | 60/100 | 0      |
| People Pillar      | 27/102 | 26/103         | -1     | 70/100 | 70/100 | 0      |

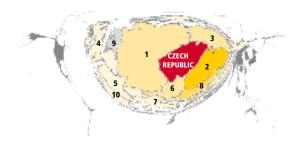
#### **CONNECTEDNESS SCORE TREND** 75 70 0 65 þ 0 60 Ò -0 55 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

# DEPTH

|                                                                | Ra      | Rank    |         | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 6/1     | 40      | -       | _      |
| Merchandise Trade (% of GDP)                                   | 4/139   | 9/140   | 87%     | 77%    |
| Services Trade (% of GDP)                                      | 47/140  | 50/140  | 13%     | 11%    |
| Capital                                                        | 31/     | 90      | _       | _      |
| FDI Stock (% of GDP)                                           | 62/133  | 40/140  | 10%     | 62%    |
| FDI Flows (% of GFCF)                                          | 48/131  | 102/138 | 5%      | 7%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 26/82   | 36/81   | 51%     | 26%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 20/84   | 40/86   | 5%      | 1%     |
| Information                                                    | 40/     | 140     | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 30/     | 140     | 119,841 |        |
| International Phone Calls<br>(Minutes per Capita)              | 56/140  | 91/140  | 112     | 97     |
| Printed Publications Trade<br>(USD per Capita)                 | 8/137   | 17/137  | \$83    | \$47   |
| People                                                         | 39/     | 112     | -       | -      |
| Migrants (% of Population)                                     | 48/139  | 70/139  | 9%      | 4%     |
| Tourists (Dep./Arr. per Capita)                                | 31/80   | 27/126  | 0.5     | 1.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 77/126  | 20/116  | 3%      | 10%    |

# **ROOTED MAP**

### **CZECH REPUBLIC'S MERCHANDISE EXPORTS, 2015**



### **Top Export Destinations**

| 1. Germany (32%) | 6. Austria (4%)     |
|------------------|---------------------|
| 2. Slovakia (9%) | 7. Italy (4%)       |
| 3. Poland (6%)   | 8. Hungary (3%)     |
| 4. U.K. (5%)     | 9. Netherlands (3%) |
| 5. France (5%)   | 10. Spain (3%)      |
|                  |                     |

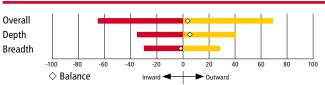
**Major Export Products** Machinery and transport equipment, raw materials, fuel, chemicals

| Czech Republic's Share of Partners' Imports |    |    |    |      |      |         |  |  |
|---------------------------------------------|----|----|----|------|------|---------|--|--|
| 15%                                         | 5% | 2% | 1% | 0.5% | 0.2% | unknown |  |  |
|                                             |    |    |    |      |      |         |  |  |

### **BREADTH**

|                              | Ra      | Rank   |         | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 64/     | 140    | -       | -      |
| Merchandise Trade            | 53/139  | 65/138 | 89%     | 81%    |
| Capital                      | 44      | /79    | -       | -      |
| FDI Stock                    | 46/88   | 37/111 | 97%     | 93%    |
| FDI Flows                    | 38/77   | 31/99  | 88%     | 88%    |
| Portfolio Equity Stock       | 46/71   |        | 86%     |        |
| Information                  | 52      | /85    | _       | -      |
| International Phone Calls    | 42/83   | 57/70  | 95%     | 90%    |
| Printed Publications Trade   | 17/137  | 62/137 | 98%     | 91%    |
| People                       | 26/     | 123    | -       | -      |
| Migrants                     | 63/139  | 21/136 | 87%     | 76%    |
| Tourists Departures/Arrivals | _       | 10/94  | _       | 80%    |
| International Students       | _       | 46/93  | _       | 86%    |

# DIRECTIONALITY



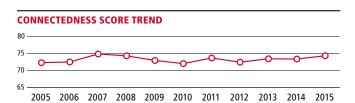
# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 42/140  | \$17,257 |
| Linguistic Commonality (+) | 108/140 | 0%       |
| Remoteness (-)             | 134/138 | 2.0      |
| Population (-)             | 73/140  | 10.5     |
| Landlocked (-)             | -       | Yes      |
|                            |         |          |

|                           | Rank   | Level |  |
|---------------------------|--------|-------|--|
| Operating Environment (+) | 56/129 | 4.3   |  |
| Infrastructure (+)        | 27/128 | 4.9   |  |
| Press Freedom (+)         | 13/137 | 95    |  |
| Labor Freedom (+)         | 15/140 | 83    |  |
| Financial Freedom (+)     | 3/136  | 80    |  |

| <b>Globalization Policies</b>   |               |       |
|---------------------------------|---------------|-------|
|                                 | Rank          | Level |
| Enabling Trade Index (+)        | 37/128        | 4.4   |
| Tariffs (Wtd. Mean Applied) (-) | 78/120        | 1.5   |
| Capital Account Openness (+)    | <b>1</b> /134 | 1.0   |
| Visa-Free Travel Outward (+)    | 26/140        | 164   |
| Visa-Free Travel Inward (+)     | 66/127        | 23    |

|                    |        | Rank           |        |        | Score  |        |
|--------------------|--------|----------------|--------|--------|--------|--------|
|                    | 2015   | 2013           | Change | 2015   | 2013   | Change |
| Overall            | 9/140  | 9/140          | 0      | 74/100 | 74/100 | 0      |
| Depth              | 18/140 | 18/140         | 0      | 35/50  | 35/50  | 0      |
| Breadth            | 13/140 | <b>17</b> /140 | 4      | 39/50  | 39/50  | 0      |
| Trade Pillar       | 19/140 | 25/140         | 6      | 67/100 | 65/100 | 2      |
| Capital Pillar     | 5/72   | 8/72           | 3      | 78/100 | 78/100 | 0      |
| Information Pillar | 20/85  | 17/85          | -3     | 72/100 | 74/100 | -2     |
| People Pillar      | 22/102 | 21/103         | -1     | 76/100 | 75/100 | 1      |

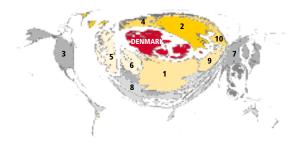


### DEPTH

|                                                                | Rank    |         | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 49/     | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 45/139  | 82/140  | 32%     | 29%    |
| Services Trade (% of GDP)                                      | 24/140  | 17/140  | 21%     | 18%    |
| Capital                                                        | 16/     | 90      | -       | _      |
| FDI Stock (% of GDP)                                           | 13/133  | 88/140  | 65%     | 34%    |
| FDI Flows (% of GFCF)                                          | 18/131  | 118/138 | 16%     | 4%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 22/82   | 14/81   | 60%     | 56%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 29/84   | 18/86   | 3%      | 2%     |
| Information                                                    | 15/     | 140     | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 8/1     | 40      | 328,018 |        |
| International Phone Calls<br>(Minutes per Capita)              | 26/140  | 53/140  | 326     | 199    |
| Printed Publications Trade<br>(USD per Capita)                 | 15/137  | 12/137  | \$58    | \$65   |
| People                                                         | 27/     | 112     | -       | -      |
| Migrants (% of Population)                                     | 89/139  | 43/139  | 4%      | 10%    |
| Tourists (Dep./Arr. per Capita)                                | 5/80    | 16/126  | 1.5     | 1.8    |
| International Students (% of Tertiary<br>Education Enrollment) | 93/126  | 16/116  | 2%      | 11%    |

### **ROOTED MAP**

### DENMARK'S MERCHANDISE EXPORTS, 2015



# Source Search<

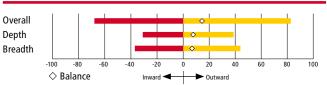
Major Export Products Machinery and instruments, meat and meat products, dairy products, fish, pharmaceuticals, furniture, windmills

| Denmark's |    |    |       |      |      |         |
|-----------|----|----|-------|------|------|---------|
| 8%        | 2% | 1% | 0.75% | 0.4% | 0.2% | unknown |
|           |    |    |       |      |      |         |

### **BREADTH**

|                              | Rank    |        | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 32/     | 140    | -       | -      |
| Merchandise Trade            | 22/139  | 49/138 | 71%     | 79%    |
| Capital                      | 6/      | 79     | -       | -      |
| FDI Stock                    | 9/88    | 25/111 | 69%     | 86%    |
| FDI Flows                    | 10/77   | 15/99  | 67%     | 64%    |
| Portfolio Equity Stock       | 8/71    | _      | 45%     | _      |
| Information                  | 31/     | 85     | _       | -      |
| International Phone Calls    | 26/83   | 43/70  | 86%     | 88%    |
| Printed Publications Trade   | 41/137  | 50/137 | 94%     | 91%    |
| People                       | 19/     | 123    | -       | -      |
| Migrants                     | 15/139  | 5/136  | 68%     | 48%    |
| Tourists Departures/Arrivals | _       | 39/94  | _       | 92%    |
| International Students       | -       | 22/93  | _       | 82%    |

# DIRECTIONALITY



| Rank    | Level                       |
|---------|-----------------------------|
| 8/140   | \$52,114                    |
| 108/140 | 0%                          |
| 133/138 | 2.1                         |
| 96/140  | 5.7                         |
| -       | No                          |
|         | 8/140<br>108/140<br>133/138 |

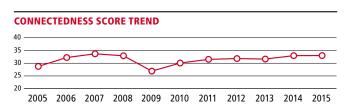
|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 20/129 | 5.1   |
| Infrastructure (+)        | 14/128 | 5.5   |
| Press Freedom (+)         | 3/137  | 99    |
| Labor Freedom (+)         | 5/140  | 92    |
| Financial Freedom (+)     | 3/136  | 80    |

| <b>Globalization Policies</b>   |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 14/128 | 5.0   |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |
| Capital Account Openness (+)    | 1/134  | 1.0   |
| Visa-Free Travel Outward (+)    | 6/140  | 171   |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |

# **DOMINICAN REPUBLIC**

# **KEY SCORES AND TRENDS**

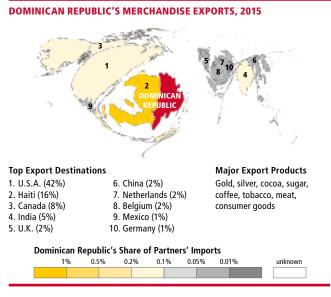
|                    |         | Rank    |        |        | Score  |        |
|--------------------|---------|---------|--------|--------|--------|--------|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |
| Overall            | 112/140 | 116/140 | 4      | 33/100 | 32/100 | 1      |
| Depth              | 98/140  | 99/140  | 1      | 17/50  | 18/50  | -1     |
| Breadth            | 101/140 | 103/140 | 2      | 16/50  | 14/50  | 2      |
| Trade Pillar       | 127/140 | 130/140 | 3      | 27/100 | 26/100 | 1      |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |
| Information Pillar | 49/85   | 49/85   | 0      | 56/100 | 53/100 | 3      |
| People Pillar      | 73/102  | 73/103  | 0      | 39/100 | 40/100 | -1     |



### DEPTH

|                                                                | Rank    |               | Le      | vel    |
|----------------------------------------------------------------|---------|---------------|---------|--------|
|                                                                | Outward | Inward        | Outward | Inward |
| Trade                                                          | 111/    | '140          | -       | _      |
| Merchandise Trade (% of GDP)                                   | 113/139 | 99/140        | 14%     | 25%    |
| Services Trade (% of GDP)                                      | 56/140  | 118/140       | 11%     | 4%     |
| Capital                                                        |         |               | _       | -      |
| FDI Stock (% of GDP)                                           | 107/133 | 57/140        | 1%      | 46%    |
| FDI Flows (% of GFCF)                                          | 123/131 | 49/138        | -1%     | 16%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •             | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | ·       | ·             | •       | •      |
| Information                                                    | 62/     | 140           | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 77/     | 77/140 36,155 |         | 155    |
| International Phone Calls<br>(Minutes per Capita)              | 72/140  | 11/140        | 70      | 568    |
| Printed Publications Trade<br>(USD per Capita)                 | 93/137  | 72/137        | \$0     | \$6    |
| People                                                         | 70/     | 112           | -       | -      |
| Migrants (% of Population)                                     | 36/139  | 67/139        | 12%     | 4%     |
| Tourists (Dep./Arr. per Capita)                                | 73/80   | 51/126        | 0.0     | 0.5    |
| International Students (% of Tertiary<br>Education Enrollment) | 117/126 | 66/116        | 1%      | 2%     |

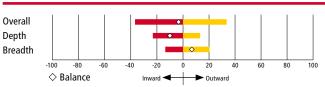
### **ROOTED MAP**



### BREADTH

|                              | Rank           |         | % Same  | Region |
|------------------------------|----------------|---------|---------|--------|
|                              | Outward        | Inward  | Outward | Inward |
| Trade                        | 110            | /140    | -       | -      |
| Merchandise Trade            | 93/139         | 117/138 | 23%     | 26%    |
| Capital                      |                |         | -       | -      |
| FDI Stock                    | ·              | •       | 75%     | •      |
| FDI Flows                    | •              | 74/99   | •       | 29%    |
| Portfolio Equity Stock       |                |         |         | _      |
| Information                  | 53,            | /85     | -       | -      |
| International Phone Calls    | 61/83          | 29/70   | 28%     | 2%     |
| Printed Publications Trade   | 68/137         | 65/137  | 54%     | 17%    |
| People                       | 82/            | 123     | -       | -      |
| Migrants                     | <b>67</b> /139 | 95/136  | 9%      | 88%    |
| Tourists Departures/Arrivals | _              | 45/94   | _       | 16%    |
| International Students       | -              | 78/93   | _       | 76%    |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |         |
|----------------------------|--------|---------|
|                            | Rank   | Level   |
| GDP per Capita (+)         | 69/140 | \$6,756 |
| Linguistic Commonality (+) | 64/140 | 6%      |
| Remoteness (-)             | 64/138 | 5.6     |
| Population (-)             | 74/140 | 10.5    |
| Landlocked (-)             | _      | No      |
|                            |        |         |

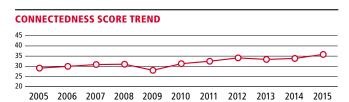
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 105/129 | 3.6   |
| Infrastructure (+)        | 72/128  | 3.7   |
| Press Freedom (+)         | 51/137  | 74    |
| Labor Freedom (+)         | 83/140  | 58    |
| Financial Freedom (+)     | 101/136 | 40    |

| Globalization Policies          |         |       |
|---------------------------------|---------|-------|
|                                 | Rank    | Level |
| Enabling Trade Index (+)        | 75/128  | 3.9   |
| Tariffs (Wtd. Mean Applied) (-) | •       | •     |
| Capital Account Openness (+)    | 53/134  | 0.8   |
| Visa-Free Travel Outward (+)    | 112/140 | 51    |
| Visa-Free Travel Inward (+)     | 44/127  | 30    |
|                                 |         |       |

- Not Applicable

(+) Positive Impact

|                    |         | Rank    |        |                | Score  |        |
|--------------------|---------|---------|--------|----------------|--------|--------|
|                    | 2015    | 2013    | Change | 2015           | 2013   | Change |
| Overall            | 107/140 | 109/140 | 2      | 36/100         | 33/100 | 3      |
| Depth              | 116/140 | 113/140 | -3     | 11/50          | 14/50  | -3     |
| Breadth            | 64/140  | 78/140  | 14     | 25/50          | 19/50  | 6      |
| Trade Pillar       | 99/140  | 109/140 | 10     | 40/100         | 37/100 | 3      |
| Capital Pillar     | •       | •       | •      | •              | •      | •      |
| Information Pillar | 58/85   | 60/85   | 2      | <b>51</b> /100 | 48/100 | 3      |
| People Pillar      | 74/102  | 77/103  | 3      | 37/100         | 37/100 | 0      |



# DEPTH

|                                                                | Rank    |         | Level   |        |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 121     | /140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 95/139  | 115/140 | 19%     | 22%    |
| Services Trade (% of GDP)                                      | 130/140 | 132/140 | 2%      | 3%     |
| Capital                                                        |         |         | -       | _      |
| FDI Stock (% of GDP)                                           | 113/133 | 120/140 | 1%      | 16%    |
| FDI Flows (% of GFCF)                                          | 102/131 | 125/138 | 0%      | 3%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | •       | •       |        |
| Information                                                    | 79/     | 140     |         | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 63/     | 63/140  |         | 561    |
| International Phone Calls<br>(Minutes per Capita)              | 98/140  | 64/140  | 32      | 167    |
| Printed Publications Trade<br>(USD per Capita)                 | 88/137  | 91/137  | \$1     | \$3    |
| People                                                         | 82/     | 112     | -       | -      |
| Migrants (% of Population)                                     | 59/139  | 85/139  | 7%      | 2%     |
| Tourists (Dep./Arr. per Capita)                                | 61/80   | •       | 0.1     | •      |
| International Students (% of Tertiary<br>Education Enrollment) | 89/126  | 91/116  | 2%      | 1%     |

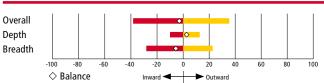
### **ROOTED MAP**

#### **ECUADOR'S MERCHANDISE EXPORTS, 2015** CUAD **Top Export Destinations Major Export Products** 1. U.S.A. (40%) 6. China (4%) Petroleum, bananas, cut flowers, shrimp, cacao, coffee, 2. Chile (6%) 7. Russia (4%) 3. Peru (5%) 8. Germany (3%) wood, fish 4. Vietnam (4%) 9. Spain (3%) 5. Colombia (4%) 10. Netherlands (3%) Ecuador's Share of Partners' Imports 1% 0.5% . 0.2% 0.1% 0.05% 2% unknown

### **BREADTH**

|                              | Rank    |        | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 54/     | 140    | -       | -      |
| Merchandise Trade            | 55/139  | 48/138 | 23%     | 26%    |
| Capital                      |         |        | -       | -      |
| FDI Stock                    | 59/88   | ·      | 78%     | •      |
| FDI Flows                    | 57/77   | 57/99  | 79%     | 32%    |
| Portfolio Equity Stock       |         |        |         |        |
| Information                  | 55/     | /85    | -       | -      |
| International Phone Calls    | 55/83   | 27/70  | 52%     | 11%    |
| Printed Publications Trade   | 99/137  | 73/137 | 91%     | 29%    |
| People                       | 71/     | 123    | -       | -      |
| Migrants                     | 59/139  | 61/136 | 8%      | 78%    |
| Tourists Departures/Arrivals | _       | •      | _       | •      |
| International Students       | _       | 69/93  | _       | 78%    |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank   | Level                      |
|--------|----------------------------|
| 72/140 | \$6,071                    |
| 65/140 | 6%                         |
| 22/138 | 7.1                        |
| 61/140 | 16.1                       |
| _      | No                         |
|        | 72/140<br>65/140<br>22/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 83/129  | 3.9   |
| Infrastructure (+)        | 79/128  | 3.6   |
| Press Freedom (+)         | 86/137  | 66    |
| Labor Freedom (+)         | 104/140 | 51    |
| Financial Freedom (+)     | 101/136 | 40    |

| Globalization Policies          |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 61/128 | 4.1   |
| Tariffs (Wtd. Mean Applied) (-) | 38/120 | 5.2   |
| Capital Account Openness (+)    | 73/134 | 0.4   |
| Visa-Free Travel Outward (+)    | 76/140 | 78    |
| Visa-Free Travel Inward (+)     | •      | •     |

# **EGYPT, ARAB REPUBLIC**

# **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 114/140 | 102/140 | -12    | 33/100 | 35/100 | -2     |  |
| Depth              | 131/140 | 132/140 | 1      | 8/50   | 8/50   | 0      |  |
| Breadth            | 63/140  | 52/140  | -11    | 25/50  | 27/50  | -2     |  |
| Trade Pillar       | 92/140  | 79/140  | -13    | 43/100 | 47/100 | -4     |  |
| Capital Pillar     | 69/72   | 69/72   | 0      | 15/100 | 17/100 | -2     |  |
| Information Pillar | 81/85   | 81/85   | 0      | 34/100 | 35/100 | -1     |  |
| People Pillar      | •       | •       | •      | •      | •      |        |  |

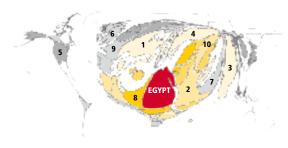
| _  |       |       |        |        |          |      |      |          |          |          |      |
|----|-------|-------|--------|--------|----------|------|------|----------|----------|----------|------|
| С  | ONNEC | TEDNI | ESS SC | ORE TI | REND     |      |      |          |          |          |      |
| 50 |       |       |        |        |          |      |      |          |          |          |      |
| 45 |       |       |        |        |          |      |      |          |          |          |      |
| 40 | ~     | ~     | ~~~    |        | <u> </u> | ~0-  |      | <u> </u> |          |          |      |
| 35 | 0     |       |        |        |          |      |      |          | <u> </u> | <u> </u> |      |
| 30 |       |       |        |        |          |      |      |          |          |          |      |
| 25 | 2005  | 2006  | 2007   | 2008   | 2009     | 2010 | 2011 | 2012     | 2013     | 2014     | 2015 |

### DEPTH

|                                                                | Rank           |         | Le      | vel    |
|----------------------------------------------------------------|----------------|---------|---------|--------|
|                                                                | Outward        | Inward  | Outward | Inward |
| Trade                                                          | 132            | /140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 136/139        | 121/140 | 6%      | 20%    |
| Services Trade (% of GDP)                                      | 92/140         | 111/140 | 5%      | 5%     |
| Capital                                                        | 84             | /90     | -       | -      |
| FDI Stock (% of GDP)                                           | 95/133         | 100/140 | 2%      | 28%    |
| FDI Flows (% of GFCF)                                          | 89/131         | 66/138  | 1%      | 13%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 65/82          | 75/81   | 1%      | 3%     |
| Portfolio Equity Flows (% of Mkt Cap)                          | 77/84          | 65/86   | 0%      | 0%     |
| Information                                                    | 110            | /140    | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 109            | /140    | 11,318  |        |
| International Phone Calls<br>(Minutes per Capita)              | 129/140        | 98/140  | 7       | 87     |
| Printed Publications Trade<br>(USD per Capita)                 | 100/137        | 120/137 | \$0     | \$1    |
| People                                                         | 101            | /112    | -       | -      |
| Migrants (% of Population)                                     | <b>99</b> /139 | 120/139 | 4%      | 1%     |
| Tourists (Dep./Arr. per Capita)                                | •              | 83/126  | •       | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 116/126        | 73/116  | 1%      | 2%     |

### **ROOTED MAP**

### **EGYPT'S MERCHANDISE EXPORTS, 2014**



#### **Top Export Destinations** 1. Italy (9%)

| 1. Italy (9%)        | 6. U.K. (4%)   |
|----------------------|----------------|
| 2. Saudi Arabia (7%) | 7. U.A.E. (4%) |
| 3. India (7%)        | 8. Libya (4%)  |
| 4. Turkey (5%)       | 9. France (3%) |
| 5. U.S.A. (4%)       | 10. Iraq (3%)  |

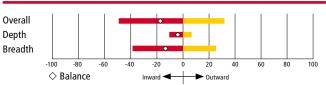
Major Export Products Crude oil and petroleum products, fruits and vegetables, cotton, textiles, metal products, chemicals, processed food

| .A. (4%)    |            | 10. Iraq ( | 3%)   |      |       |         |
|-------------|------------|------------|-------|------|-------|---------|
| Egypt's Sha | re of Part | ners' Im   | ports |      |       |         |
| 3%          | 2%         | 1%         | 0.5%  | 0.1% | 0.05% | unknown |
|             |            |            |       |      |       |         |

### **BREADTH**

|                              | Ra      | nk     | % Same  | % Same Region |  |  |
|------------------------------|---------|--------|---------|---------------|--|--|
|                              | Outward | Inward | Outward | Inward        |  |  |
| Trade                        | 32/     | 140    | -       | -             |  |  |
| Merchandise Trade            | 63/139  | 9/138  | 35%     | 13%           |  |  |
| Capital                      | 75      | 75/79  |         | -             |  |  |
| FDI Stock                    | •       | •      | •       | •             |  |  |
| FDI Flows                    | •       | •      | 30%     | 12%           |  |  |
| Portfolio Equity Stock       | 62/71   |        | 56%     | _             |  |  |
| Information                  | 66      | /85    | -       | -             |  |  |
| International Phone Calls    | 62/83   | 55/70  | 81%     | 89%           |  |  |
| Printed Publications Trade   | 96/137  | 34/137 | 81%     | 8%            |  |  |
| People                       |         |        | -       | -             |  |  |
| Migrants                     | 61/139  | 37/136 | 82%     | 73%           |  |  |
| Tourists Departures/Arrivals | _       | •      | _       | •             |  |  |
| International Students       | _       | ·      | -       | •             |  |  |

# DIRECTIONALITY



| Structural Factors         |        |         |
|----------------------------|--------|---------|
|                            | Rank   | Level   |
| GDP per Capita (+)         | 97/140 | \$3,740 |
| Linguistic Commonality (+) | 81/140 | 3%      |
| Remoteness (-)             | 84/138 | 4.4     |
| Population (-)             | 15/140 | 91.5    |
| Landlocked (-)             | _      | No      |
|                            |        |         |

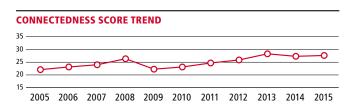
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 97/129  | 3.7   |
| Infrastructure (+)        | 58/128  | 4.0   |
| Press Freedom (+)         | 124/137 | 45    |
| Labor Freedom (+)         | 97/140  | 54    |
| Financial Freedom (+)     | 101/136 | 40    |

| Rank           | Level                                 |
|----------------|---------------------------------------|
| 96/128         | 3.6                                   |
| 23/120         | 7.4                                   |
| <b>91</b> /134 | 0.2                                   |
| 118/140        | 47                                    |
| 96/127         | 22                                    |
|                | 96/128<br>23/120<br>91/134<br>118/140 |

# **EL SALVADOR**

# **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 123/140 | 122/140 | -1     | 28/100 | 28/100 | 0      |  |
| Depth              | 90/140  | 90/140  | 0      | 21/50  | 21/50  | 0      |  |
| Breadth            | 126/140 | 123/140 | -3     | 7/50   | 7/50   | 0      |  |
| Trade Pillar       | 125/140 | 122/140 | -3     | 30/100 | 31/100 | -1     |  |
| Capital Pillar     | 71/72   | 70/72   | -1     | 15/100 | 14/100 | 1      |  |
| Information Pillar | 53/85   | 51/85   | -2     | 53/100 | 52/100 | 1      |  |
| People Pillar      | 79/102  | 82/103  | 3      | 32/100 | 32/100 | 0      |  |



### DEPTH

|                                                                | Rank           |         | Level   |        |
|----------------------------------------------------------------|----------------|---------|---------|--------|
|                                                                | Outward        | Inward  | Outward | Inward |
| Trade                                                          | 71/            | 140     | -       |        |
| Merchandise Trade (% of GDP)                                   | <b>81</b> /139 | 47/140  | 21%     | 40%    |
| Services Trade (% of GDP)                                      | 68/140         | 101/140 | 9%      | 6%     |
| Capital                                                        | 87/            | 90      | -       | _      |
| FDI Stock (% of GDP)                                           | 133/133        | 82/140  | 0%      | 36%    |
| FDI Flows (% of GFCF)                                          | 113/131        | 88/138  | 0%      | 9%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 73/82          | •       | 0%      | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | 71/84          | ·       | 0%      | •      |
| Information                                                    | 31/            | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 59/            | 140     | 61,959  |        |
| International Phone Calls<br>(Minutes per Capita)              | 18/140         | 15/140  | 456     | 481    |
| Printed Publications Trade<br>(USD per Capita)                 | 55/137         | 63/137  | \$3     | \$7    |
| People                                                         | 74/            | 74/112  |         | -      |
| Migrants (% of Population)                                     | 12/139         | 116/139 | 23%     | 1%     |
| Tourists (Dep./Arr. per Capita)                                | 45/80          | 74/126  | 0.2     | 0.2    |
| International Students (% of Tertiary<br>Education Enrollment) | 96/126         | 94/116  | 2%      | 0%     |

### **ROOTED MAP**

### **EL SALVADOR'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| 6. Panama (2%)             |
|----------------------------|
| 7. Dominican Republic (2%) |
| 8. Mexico (1%)             |
| 9. Canada (1%)             |
| 10. China (1%)             |
|                            |

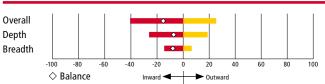
Major Export Products Offshore assembly exports, coffee, sugar, textiles and apparel, gold, ethanol, chemicals, electricity, iron and steel manufactures

| El Salvador's Share of Partners' Imports |     |       |       |        |         |   |         |  |
|------------------------------------------|-----|-------|-------|--------|---------|---|---------|--|
| 5                                        | % 1 | % 0.5 | % 0.2 | % 0.1% | 6 0.05% | 1 | unknown |  |
|                                          |     |       |       |        |         |   |         |  |

### **BREADTH**

|                              | Ra              | Rank           |         | Region |
|------------------------------|-----------------|----------------|---------|--------|
|                              | Outward         | Inward         | Outward | Inward |
| Trade                        | 130             | 130/140        |         | -      |
| Merchandise Trade            | <b>129</b> /139 | 122/138        | 45%     | 28%    |
| Capital                      | 73              | 73/79          |         | -      |
| FDI Stock                    | 82/88           | 73/111         | 37%     | 44%    |
| FDI Flows                    | 77/77           | 59/99          | 100%    | 49%    |
| Portfolio Equity Stock       |                 |                |         | _      |
| Information                  | 74              | 74/85          |         | -      |
| International Phone Calls    | 56/83           | •              | 30%     | •      |
| Printed Publications Trade   | 118/137         | 106/137        | 91%     | 27%    |
| People                       | 98/123          |                | _       | -      |
| Migrants                     | 85/139          | <b>69</b> /136 | 4%      | 77%    |
| Tourists Departures/Arrivals | _               | 88/94          | _       | 61%    |
| International Students       | _               | · ·            | _       | 68%    |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank   | Level                      |
|--------|----------------------------|
| 89/140 | \$4,040                    |
| 57/140 | 6%                         |
| 52/138 | 5.9                        |
| 92/140 | 6.1                        |
| _      | No                         |
|        | 89/140<br>57/140<br>52/138 |

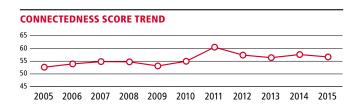
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 109/129 | 3.5   |
| Infrastructure (+)        | 67/128  | 3.8   |
| Press Freedom (+)         | 38/137  | 79    |
| Labor Freedom (+)         | 98/140  | 53    |
| Financial Freedom (+)     | 18/136  | 70    |

| <b>Globalization Policies</b>   |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 67/128 | 4.0   |
| Tariffs (Wtd. Mean Applied) (-) | 76/120 | 1.8   |
| Capital Account Openness (+)    | 60/134 | 0.7   |
| Visa-Free Travel Outward (+)    | 61/140 | 112   |
| Visa-Free Travel Inward (+)     | 30/127 | 47    |

# **ESTONIA**

# **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |
|--------------------|--------|--------|--------|--------|--------|--------|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |
| Overall            | 43/140 | 42/140 | -1     | 57/100 | 56/100 | 1      |
| Depth              | 10/140 | 9/140  | -1     | 40/50  | 40/50  | 0      |
| Breadth            | 95/140 | 90/140 | -5     | 17/50  | 16/50  | 1      |
| Trade Pillar       | 41/140 | 35/140 | -6     | 60/100 | 61/100 | -1     |
| Capital Pillar     | 49/72  | 48/72  | -1     | 47/100 | 45/100 | 2      |
| Information Pillar | 48/85  | 44/85  | -4     | 56/100 | 56/100 | 0      |
| People Pillar      | 31/102 | 32/103 | 1      | 67/100 | 66/100 | 1      |

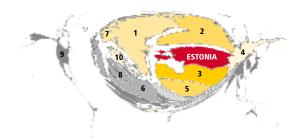


### DEPTH

|                                                                | Ra             | nk      | Le      | vel    |
|----------------------------------------------------------------|----------------|---------|---------|--------|
|                                                                | Outward        | Inward  | Outward | Inward |
| Trade                                                          | 9/1            | 9/140   |         | -      |
| Merchandise Trade (% of GDP)                                   | 15/139         | 16/140  | 57%     | 64%    |
| Services Trade (% of GDP)                                      | 12/140         | 18/140  | 26%     | 18%    |
| Capital                                                        | 26/            | /90     | -       | _      |
| FDI Stock (% of GDP)                                           | 37/133         | 25/140  | 27%     | 83%    |
| FDI Flows (% of GFCF)                                          | 59/131         | 106/138 | 3%      | 6%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 7/82           | 23/81   | 149%    | 39%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 7/84           | 80/86   | 12%     | -1%    |
| Information                                                    | 48/            | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 82/            | 140     | 30,     | 924    |
| International Phone Calls<br>(Minutes per Capita)              | 31/140         | 74/140  | 279     | 142    |
| Printed Publications Trade<br>(USD per Capita)                 | 9/137          | 35/137  | \$82    | \$18   |
| People                                                         | 12/            | 112     | -       | -      |
| Migrants (% of Population)                                     | <b>29</b> /139 | 24/139  | 15%     | 15%    |
| Tourists (Dep./Arr. per Capita)                                | 9/80           | 8/126   | 1.1     | 2.2    |
| International Students (% of Tertiary<br>Education Enrollment) | 38/126         | 57/116  | 6%      | 3%     |

### **ROOTED MAP**

### **ESTONIA'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| 1. Sweden (19%)   | 6. Germany (5%)     | Mach  |
|-------------------|---------------------|-------|
| 2. Finland (16%)  | 7. Norway (4%)      | equip |
| 3. Latvia (10%)   | 8. Netherlands (3%) | bever |
| 4. Russia (7%)    | 9. U.S.A. (3%)      | wood  |
| 5. Lithuania (6%) | 10. Denmark (3%)    | vehic |
|                   |                     |       |

### **Major Export Products**

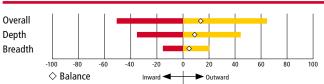
hinery and electrical pment, food products and erages, mineral fuels, wood and od products, metals, furniture, cles and parts, chemicals

| Estonia's Share of Partners' Imports |    |    |      |      |      |       |         |  |  |
|--------------------------------------|----|----|------|------|------|-------|---------|--|--|
|                                      | 4% | 2% | 0.5% | 0.2% | 0.1% | 0.05% | unknown |  |  |
|                                      |    |    |      |      |      |       |         |  |  |

### **BREADTH**

|                              | Ra      | Rank    |         | Region |  |   |
|------------------------------|---------|---------|---------|--------|--|---|
|                              | Outward | Inward  | Outward | Inward |  |   |
| Trade                        | 109     | 109/140 |         | -      |  |   |
| Merchandise Trade            | 96/139  | 112/138 | 88%     | 91%    |  |   |
| Capital                      | 61/     | 61/79   |         | 61/79  |  | - |
| FDI Stock                    | 53/88   | 80/111  | 96%     | 93%    |  |   |
| FDI Flows                    | 58/77   | 52/99   | 95%     | 90%    |  |   |
| Portfolio Equity Stock       | 52/71   |         | 88%     | _      |  |   |
| Information                  | 58      | /85     |         | -      |  |   |
| International Phone Calls    | 45/83   | 54/70   | 88%     | 76%    |  |   |
| Printed Publications Trade   | 73/137  | 59/137  | 100%    | 83%    |  |   |
| People                       | 55/123  |         | -       | -      |  |   |
| Migrants                     | 52/139  | 71/136  | 89%     | 94%    |  |   |
| Tourists Departures/Arrivals | _       | 66/94   | _       | 95%    |  |   |
| International Students       | _       | 32/93   | _       | 78%    |  |   |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 41/140  | \$17,288 |
| Linguistic Commonality (+) | 108/140 | 0%       |
| Remoteness (-)             | 116/138 | 2.8      |
| Population (-)             | 127/140 | 1.3      |
| Landlocked (-)             | -       | No       |
|                            |         |          |

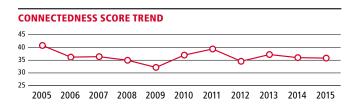
|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 20/129 | 5.1   |
| Infrastructure (+)        | 34/128 | 4.6   |
| Press Freedom (+)         | 10/137 | 95    |
| Labor Freedom (+)         | 79/140 | 59    |
| Financial Freedom (+)     | 3/136  | 80    |

| Rank   | Level                               |
|--------|-------------------------------------|
| 25/128 | 4.8                                 |
| 78/120 | 1.5                                 |
| 1/134  | 1.0                                 |
| 33/140 | 159                                 |
| 66/127 | 23                                  |
|        | 25/128<br>78/120<br>1/134<br>33/140 |

- Not Applicable

(+) Positive Impact

|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 106/140 | 96/140  | -10    | 36/100 | 37/100 | -1     |  |
| Depth              | 134/140 | 136/140 | 2      | 6/50   | 6/50   | 0      |  |
| Breadth            | 44/140  | 40/140  | -4     | 30/50  | 31/50  | -1     |  |
| Trade Pillar       | 88/140  | 74/140  | -14    | 45/100 | 48/100 | -3     |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | •       | •       | •      | •      | •      | •      |  |
| People Pillar      | •       | •       | •      | •      | •      | •      |  |

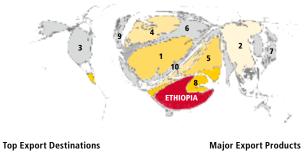


### DEPTH

|                                                                | Ra      | Rank    |         | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 109     | /140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 134/139 | 75/140  | 6%      | 31%    |
| Services Trade (% of GDP)                                      | 101/140 | 83/140  | 5%      | 7%     |
| Capital                                                        |         |         | -       | -      |
| FDI Stock (% of GDP)                                           | •       | 118/140 | •       | 17%    |
| FDI Flows (% of GFCF)                                          | •       | 84/138  | •       | 9%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          |         |         | ·       | •      |
| Information                                                    | 140     | /140    | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 136     | /140    | 1,9     | 959    |
| International Phone Calls<br>(Minutes per Capita)              | 135/140 | 135/140 | 4       | 13     |
| Printed Publications Trade<br>(USD per Capita)                 | 128/137 | 123/137 | \$0     | \$1    |
| People                                                         |         |         | -       | -      |
| Migrants (% of Population)                                     | 132/139 | 108/139 | 1%      | 1%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 120/126 | •       | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 114/126 | •       | 1%      |        |

# **ROOTED MAP**

### **ETHIOPIA'S MERCHANDISE EXPORTS, 2015**



| 1. Switzerland (14%) | 6. Germany (6%)  |
|----------------------|------------------|
| 2. China (12%)       | 7. Japan (3%)    |
| 3. U.S.A. (10%)      | 8. Djibouti (2%) |
| 4. Netherlands (9%)  | 9. U.K. (2%)     |
| 5. Saudi Arabia (6%) | 10. Italy (2%)   |

Coffee, oilseeds, edible vegetables including khat, gold, flowers, live animals, raw leather products, meat products

| Ethiopia's S | hare of P | 'artners' | Imports |       |        |         |
|--------------|-----------|-----------|---------|-------|--------|---------|
| 0.2%         | 0.1%      | 0.04%     | 0.02%   | 0.01% | 0.005% | unknown |
|              |           |           |         |       |        |         |

### **BREADTH**

|                              | Ra             | nk      | % Same  | Region |
|------------------------------|----------------|---------|---------|--------|
|                              | Outward        | Inward  | Outward | Inward |
| Trade                        | 49/            | 140     | -       | -      |
| Merchandise Trade            | <b>29</b> /139 | 75/138  | 2%      | 2%     |
| Capital                      |                |         | -       | -      |
| FDI Stock                    | •              | •       | •       | •      |
| FDI Flows                    | •              | 98/99   | •       | 0%     |
| Portfolio Equity Stock       | •              |         |         | _      |
| Information                  |                |         | -       | -      |
| International Phone Calls    | · ·            | · ·     | •       | •      |
| Printed Publications Trade   | 16/137         | 75/137  | •       | 4%     |
| People                       | 40/123         |         | -       | -      |
| Migrants                     | 12/139         | 132/136 | 21%     | 100%   |
| Tourists Departures/Arrivals | _              | 20/94   | _       | 23%    |
| International Students       | _              | · ·     | _       | •      |

# DIRECTIONALITY

### **Not Available**

| Structural Factors         |         |       |
|----------------------------|---------|-------|
|                            | Rank    | Level |
| GDP per Capita (+)         | 131/140 | \$687 |
| Linguistic Commonality (+) | 23/140  | 39%   |
| Remoteness (-)             | 48/138  | 6.1   |
| Population (-)             | 13/140  | 99.4  |
| Landlocked (-)             | _       | Yes   |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 109/129 | 3.5   |
| Infrastructure (+)        | 115/128 | 2.8   |
| Press Freedom (+)         | 112/137 | 56    |
| Labor Freedom (+)         | 90/140  | 56    |
| Financial Freedom (+)     | 133/136 | 20    |

| <b>Globalization Policies</b>   |                |       |
|---------------------------------|----------------|-------|
|                                 | Rank           | Level |
| Enabling Trade Index (+)        | 114/128        | 3.2   |
| Tariffs (Wtd. Mean Applied) (-) | 12/120         | 10.0  |
| Capital Account Openness (+)    | <b>91</b> /134 | 0.2   |
| Visa-Free Travel Outward (+)    | 138/140        | 35    |
| Visa-Free Travel Inward (+)     | 33/127         | 43    |

# FIJ

# **KEY SCORES AND TRENDS**

|                    |         | Rank           |        |                | Score  |        |  |
|--------------------|---------|----------------|--------|----------------|--------|--------|--|
|                    | 2015    | 2013           | Change | 2015           | 2013   | Change |  |
| Overall            | 74/140  | 94/140         | 20     | 46/100         | 38/100 | 8      |  |
| Depth              | 43/140  | <b>61</b> /140 | 18     | 31/50          | 29/50  | 2      |  |
| Breadth            | 104/140 | 117/140        | 13     | 15/50          | 10/50  | 5      |  |
| Trade Pillar       | 65/140  | 73/140         | 8      | <b>51</b> /100 | 48/100 | 3      |  |
| Capital Pillar     | •       | •              | •      | •              | •      | •      |  |
| Information Pillar | •       | •              | •      | •              | •      | •      |  |
| People Pillar      | •       | •              | •      | •              | •      | •      |  |

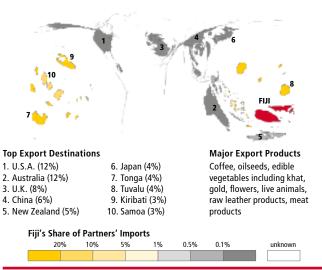
#### **CONNECTEDNESS SCORE TREND** 50 45 40 35 0 $\sim$ 30 25 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 33/     | 140     | _       |        |
| Merchandise Trade (% of GDP)                                   | 74/139  | 18/140  | 25%     | 61%    |
| Services Trade (% of GDP)                                      | 15/140  | 58/140  | 24%     | 10%    |
| Capital                                                        | 54/     | '90     | -       | -      |
| FDI Stock (% of GDP)                                           | 89/133  | 24/140  | 3%      | 85%    |
| FDI Flows (% of GFCF)                                          | 106/131 | 16/138  | 0%      | 37%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 49/82   | •       | 12%     | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | ·       | 66/86   |         | 0%     |
| Information                                                    | 70/     | 140     | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 85/     | 140     | 27,     | 399    |
| International Phone Calls<br>(Minutes per Capita)              | 85/140  | 50/140  | 45      | 204    |
| Printed Publications Trade<br>(USD per Capita)                 | 53/137  | 39/137  | \$4     | \$16   |
| People                                                         |         |         | -       | -      |
| Migrants (% of Population)                                     | 14/139  | 102/139 | 23%     | 2%     |
| Tourists (Dep./Arr. per Capita)                                | 53/80   | 36/126  | 0.2     | 0.8    |
| International Students (% of Tertiary<br>Education Enrollment) | •       | •       | •       | •      |

### **ROOTED MAP**

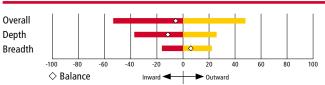
### **FIJI'S MERCHANDISE EXPORTS, 2014**



### **BREADTH**

|                              | Rank    |         | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 103/140 |         | -       | -      |
| Merchandise Trade            | 86/139  | 111/138 | 73%     | 83%    |
| Capital                      |         |         | -       | -      |
| FDI Stock                    |         | •       | •       | •      |
| FDI Flows                    | ·       | •       | •       | •      |
| Portfolio Equity Stock       |         | _       | •       | _      |
| Information                  |         |         | _       | -      |
| International Phone Calls    | •       | · ·     | •       | •      |
| Printed Publications Trade   | 120/137 | 101/137 | 99%     | 61%    |
| People                       | 78/     | 123     | -       | -      |
| Migrants                     | 68/139  | 57/136  | 63%     | 60%    |
| Tourists Departures/Arrivals | _       | 74/94   | _       | 81%    |
| International Students       | _       | •       | _       | •      |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 81/140  | \$5,374 |
| Linguistic Commonality (+) | 10/140  | 39%     |
| Remoteness (-)             | 3/138   | 8.9     |
| Population (-)             | 130/140 | 0.9     |
| Landlocked (-)             | _       | No      |
|                            |         |         |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | •      | •     |
| Infrastructure (+)        | •      | •     |
| Press Freedom (+)         | 75/137 | 69    |
| Labor Freedom (+)         | 37/140 | 75    |
| Financial Freedom (+)     | 68/136 | 50    |

| Rank           | Level                      |
|----------------|----------------------------|
| •              | •                          |
| 11/120         | 10.6                       |
| <b>91</b> /134 | 0.2                        |
| 73/140         | 80                         |
| •              | •                          |
|                | 11/120<br>91/134<br>73/140 |

|                    |        | Rank   |        |        | Score  |        |  |
|--------------------|--------|--------|--------|--------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |  |
| Overall            | 28/140 | 26/140 | -2     | 64/100 | 64/100 | 0      |  |
| Depth              | 50/140 | 40/140 | -10    | 30/50  | 31/50  | -1     |  |
| Breadth            | 30/140 | 31/140 | 1      | 34/50  | 33/50  | 1      |  |
| Trade Pillar       | 57/140 | 53/140 | -4     | 54/100 | 56/100 | -2     |  |
| Capital Pillar     | 18/72  | 17/72  | -1     | 68/100 | 68/100 | 0      |  |
| Information Pillar | 42/85  | 37/85  | -5     | 60/100 | 60/100 | 0      |  |
| People Pillar      | 11/102 | 10/103 | -1     | 80/100 | 79/100 | 1      |  |

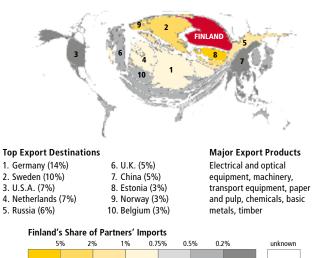
| c              | ONNEC | TEDNI | ESS SC | ORE TH | REND |     |      |      |      |      |      |
|----------------|-------|-------|--------|--------|------|-----|------|------|------|------|------|
| 80<br>75       |       |       | •      |        |      |     |      |      |      |      |      |
| 70<br>65<br>60 | 0     | _0_   | -0-    | -0-    | ~    | _0_ |      |      | -0-  | _0_  | ~0   |
| 55             |       |       |        | 2008   |      |     | 2011 | 2012 | 2013 | 2014 | 2015 |

### DEPTH

|                                                                | Ra      | nk     | Le      | vel          |  |      |
|----------------------------------------------------------------|---------|--------|---------|--------------|--|------|
|                                                                | Outward | Inward | Outward | Inward       |  |      |
| Trade                                                          | 76/     | 76/140 |         | -            |  |      |
| Merchandise Trade (% of GDP)                                   | 70/139  | 96/140 | 26%     | 26%          |  |      |
| Services Trade (% of GDP)                                      | 57/140  | 47/140 | 11%     | 11%          |  |      |
| Capital                                                        | 24/     | '90    | -       | -            |  |      |
| FDI Stock (% of GDP)                                           | 26/133  | 71/140 | 41%     | 40%          |  |      |
| FDI Flows (% of GFCF)                                          | 131/131 | 47/138 | -9%     | 16%          |  |      |
| Portfolio Equity Stock (% of Mkt Cap)                          | 14/82   | 9/81   | 89%     | 61%          |  |      |
| Portfolio Equity Flows (% of Mkt Cap)                          | 31/84   | 23/86  | 2%      | 2%           |  |      |
| Information                                                    | 42/     | 140    | -       | _            |  |      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 16/     | 16/140 |         | 16/140 208,5 |  | ,526 |
| International Phone Calls<br>(Minutes per Capita)              | 53/140  | 97/140 | 128     | 88           |  |      |
| Printed Publications Trade<br>(USD per Capita)                 | 25/137  | 28/137 | \$25    | \$28         |  |      |
| People                                                         | 34/     | 112    | -       | -            |  |      |
| Migrants (% of Population)                                     | 77/139  | 60/139 | 5%      | 6%           |  |      |
| Tourists (Dep./Arr. per Capita)                                | 3/80    | 37/126 | 1.6     | 0.8          |  |      |
| International Students (% of Tertiary<br>Education Enrollment) | 79/126  | 26/116 | 3%      | 8%           |  |      |

### **ROOTED MAP**

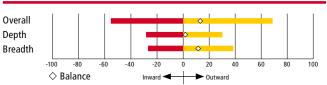
### FINLAND'S MERCHANDISE EXPORTS, 2015



### **BREADTH**

|                              | Rank    |        | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 53/     | 53/140 |         | -      |
| Merchandise Trade            | 20/139  | 85/138 | 70%     | 86%    |
| Capital                      | 18/     | /79    | -       | -      |
| FDI Stock                    | 21/88   | 55/111 | 87%     | 95%    |
| FDI Flows                    | 24/77   | 33/99  | 93%     | 88%    |
| Portfolio Equity Stock       | 15/71   |        | 68%     | -      |
| Information                  | 51/     | 51/85  |         | -      |
| International Phone Calls    | 44/83   | 56/70  | 94%     | 84%    |
| Printed Publications Trade   | 48/137  | 30/137 | 92%     | 85%    |
| People                       | 11/     | 123    | -       | -      |
| Migrants                     | 44/139  | 6/136  | 84%     | 54%    |
| Tourists Departures/Arrivals | _       | 13/94  | -       | 81%    |
| International Students       | -       | 8/93   | _       | 38%    |

# DIRECTIONALITY



| Structural Factors                    |         |          |
|---------------------------------------|---------|----------|
|                                       | Rank    | Level    |
| GDP per Capita (+)                    | 18/140  | \$41,974 |
| Linguistic Commonality (+)            | 93/140  | 1%       |
| Remoteness (-)                        | 113/138 | 3.0      |
| Population (-)                        | 98/140  | 5.5      |
| Landlocked (-)                        | _       | No       |
| · · · · · · · · · · · · · · · · · · · |         |          |

| Rank I                    |        |     |  |  |
|---------------------------|--------|-----|--|--|
| Operating Environment (+) | 1/129  | 5.8 |  |  |
| Infrastructure (+)        | 14/128 | 5.5 |  |  |
| Press Freedom (+)         | 1/137  | 100 |  |  |
| Labor Freedom (+)         | 94/140 | 55  |  |  |
| Financial Freedom (+)     | 3/136  | 80  |  |  |

| <b>Globalization Policies</b>   |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 4/128  | 5.2   |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |
| Capital Account Openness (+)    | 1/134  | 1.0   |
| Visa-Free Travel Outward (+)    | 3/140  | 172   |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |

# FRANCE

# **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |                | Score  |        |
|--------------------|--------|--------|--------|----------------|--------|--------|
|                    | 2015   | 2013   | Change | 2015           | 2013   | Change |
| Overall            | 14/140 | 12/140 | -2     | <b>70</b> /100 | 71/100 | -1     |
| Depth              | 60/140 | 69/140 | 9      | 28/50          | 27/50  | 1      |
| Breadth            | 7/140  | 5/140  | -2     | 42/50          | 44/50  | -2     |
| Trade Pillar       | 45/140 | 44/140 | -1     | 58/100         | 58/100 | 0      |
| Capital Pillar     | 12/72  | 11/72  | -1     | 72/100         | 72/100 | 0      |
| Information Pillar | 10/85  | 6/85   | -4     | 80/100         | 85/100 | -5     |
| People Pillar      | 9/102  | 9/103  | 0      | 80/100         | 80/100 | 0      |

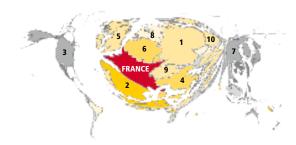
# CONNECTEDNESS SCORE TREND

# DEPTH

|                                                                | Ra             | Rank         |         | vel    |
|----------------------------------------------------------------|----------------|--------------|---------|--------|
|                                                                | Outward        | Inward       | Outward | Inward |
| Trade                                                          | 90/140         |              | _       |        |
| Merchandise Trade (% of GDP)                                   | 84/139         | 105/140      | 21%     | 24%    |
| Services Trade (% of GDP)                                      | 61/140         | 60/140       | 10%     | 9%     |
| Capital                                                        | 34             | /90          | -       | -      |
| FDI Stock (% of GDP)                                           | <b>16</b> /133 | 96/140       | 54%     | 32%    |
| FDI Flows (% of GFCF)                                          | 45/131         | 107/138      | 6%      | 6%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 35/82          | 19/81        | 36%     | 42%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 50/84          | 34/86        | 1%      | 1%     |
| Information                                                    | 16/            | 140          | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 27/            | 27/140 129,9 |         | ,973   |
| International Phone Calls<br>(Minutes per Capita)              | 25/140         | 46/140       | 333     | 219    |
| Printed Publications Trade<br>(USD per Capita)                 | 5/137          | 7/137        | \$101   | \$86   |
| People                                                         | 41/            | 112          | -       | _      |
| Migrants (% of Population)                                     | 103/139        | 36/139       | 3%      | 12%    |
| Tourists (Dep./Arr. per Capita)                                | 34/80          | 18/126       | 0.4     | 1.3    |
| International Students (% of Tertiary<br>Education Enrollment) | 70/126         | 21/116       | 4%      | 10%    |

# **ROOTED MAP**

### FRANCE'S MERCHANDISE EXPORTS, 2015



#### **Top Export Destinations**

1.

2.

3.

4.

5.

| Germany (16%) | 6. Belgium (7%)     |
|---------------|---------------------|
| Spain (7%)    | 7. China (4%)       |
| U.S.A. (7%)   | 8. Netherlands (4%) |
| Italy (7%)    | 9. Switzerland (3%) |
| U.K. (7%)     | 10. Poland (2%)     |
|               |                     |

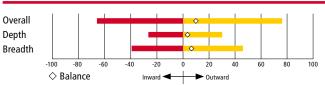
Major Export Products Machinery and transportation equipment, aircraft, plastics, chemicals, pharmaceutical products, iron and steel, beverages

| France's Share of Partners' Imports |      |     |     |      |      |   |         |
|-------------------------------------|------|-----|-----|------|------|---|---------|
| 12                                  | 2% 8 | % 4 | % 3 | % 29 | % 19 | % | unknown |
|                                     |      |     |     |      |      |   |         |

### BREADTH

|                              | Ra      | Rank           |         | Region |
|------------------------------|---------|----------------|---------|--------|
|                              | Outward | Inward         | Outward | Inward |
| Trade                        | 27/     | 140            | -       | -      |
| Merchandise Trade            | 18/139  | 44/138         | 64%     | 74%    |
| Capital                      | 11/     | 79             | -       | -      |
| FDI Stock                    | 6/88    | 12/111         | 64%     | 83%    |
| FDI Flows                    | 5/77    | 22/99          | 63%     | 79%    |
| Portfolio Equity Stock       | 10/71   |                | 73%     | _      |
| Information                  | 19      | /85            | -       | -      |
| International Phone Calls    | 18/83   |                | 51%     | •      |
| Printed Publications Trade   | 26/137  | <b>59</b> /137 | 29%     | 66%    |
| People                       | 6/1     | 23             | -       | -      |
| Migrants                     | 24/139  | 18/136         | 57%     | 34%    |
| Tourists Departures/Arrivals | -       | 4/94           | -       | 77%    |
| International Students       | _       | 10/93          | _       | 22%    |

# DIRECTIONALITY



# **STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS**

| Structural Factors         |                |          |
|----------------------------|----------------|----------|
|                            | Rank           | Level    |
| GDP per Capita (+)         | <b>21</b> /140 | \$37,675 |
| Linguistic Commonality (+) | 72/140         | 5%       |
| Remoteness (-)             | 120/138        | 2.7      |
| Population (-)             | <b>21</b> /140 | 64.4     |
| Landlocked (-)             | _              | No       |
| Landlocked (-)             | _              | No       |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 30/129  | 4.9   |
| Infrastructure (+)        | 7/128   | 5.8   |
| Press Freedom (+)         | 33/137  | 82    |
| Labor Freedom (+)         | 121/140 | 44    |
| Financial Freedom (+)     | 18/136  | 70    |

| Globalization Policies |                                    |  |  |  |
|------------------------|------------------------------------|--|--|--|
| Rank                   | Level                              |  |  |  |
| 19/128                 | 4.9                                |  |  |  |
| 78/120                 | 1.5                                |  |  |  |
| 1/134                  | 1.0                                |  |  |  |
| 6/140                  | 171                                |  |  |  |
| 66/127                 | 23                                 |  |  |  |
|                        | 19/128<br>78/120<br>1/134<br>6/140 |  |  |  |

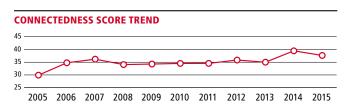
- Not Applicable

Data Not Available

(+) Positive Impact

(-) Negative Impact

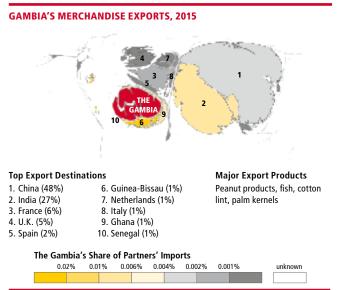
|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 101/140 | 101/140 | 0      | 38/100 | 35/100 | 3      |  |
| Depth              | 75/140  | 80/140  | 5      | 26/50  | 25/50  | 1      |  |
| Breadth            | 115/140 | 116/140 | 1      | 12/50  | 10/50  | 2      |  |
| Trade Pillar       | 103/140 | 117/140 | 14     | 38/100 | 33/100 | 5      |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | •       | •       | •      | •      | •      |        |  |
| People Pillar      | •       | •       | •      | •      | •      | •      |  |



# DEPTH

|                                                                | Rank           |                | Level   |        |
|----------------------------------------------------------------|----------------|----------------|---------|--------|
|                                                                | Outward        | Inward         | Outward | Inward |
| Trade                                                          | 66/            | 66/140         |         | -      |
| Merchandise Trade (% of GDP)                                   | 118/139        | 39/140         | 12%     | 46%    |
| Services Trade (% of GDP)                                      | <b>19</b> /140 | 70/140         | 23%     | 9%     |
| Capital                                                        |                |                | -       | -      |
| FDI Stock (% of GDP)                                           | •              | 75/140         | •       | 39%    |
| FDI Flows (% of GFCF)                                          | <b>19</b> /131 | 63/138         | 15%     | 14%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •              | •              | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •              | ·              |         |        |
| Information                                                    | 92/            | 140            |         | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 104            | 104/140        |         | 342    |
| International Phone Calls<br>(Minutes per Capita)              | 88/140         | 24/140         | 44      | 316    |
| Printed Publications Trade<br>(USD per Capita)                 | 111/137        | 106/137        | \$0     | \$2    |
| People                                                         |                |                | -       | -      |
| Migrants (% of Population)                                     | 86/139         | 46/139         | 5%      | 10%    |
| Tourists (Dep./Arr. per Capita)                                | •              | <b>92</b> /126 | •       | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | ·              | •              | · ·     |        |

### **ROOTED MAP**



### **BREADTH**

|                              | Rank    |         | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 113     | /140    | -       | -      |
| Merchandise Trade            | 121/139 | 84/138  | 6%      | 10%    |
| Capital                      |         |         | -       | -      |
| FDI Stock                    | •       |         |         |        |
| FDI Flows                    | •       | •       | •       |        |
| Portfolio Equity Stock       | •       |         | •       | _      |
| Information                  |         |         | -       | -      |
| International Phone Calls    | · ·     | · .     | •       | •      |
| Printed Publications Trade   | 116/137 | 116/137 | 31%     | 5%     |
| People                       | 88/     | 123     | -       |        |
| Migrants                     | 35/139  | 136/136 | 23%     | 100%   |
| Tourists Departures/Arrivals | _       | 67/94   | _       | 4%     |
| International Students       | -       | · ·     | _       | •      |

# DIRECTIONALITY

### Not Available

# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                             |
|---------|-----------------------------------|
| 137/140 | \$451                             |
| 7/140   | 39%                               |
| 50/138  | 6.0                               |
| 123/140 | 2.0                               |
| _       | No                                |
|         | <u>137/140</u><br>7/140<br>50/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 48/129  | 4.4   |
| Infrastructure (+)        | 96/128  | 3.1   |
| Press Freedom (+)         | 120/137 | 52    |
| Labor Freedom (+)         | 54/140  | 67    |
| Financial Freedom (+)     | 68/136  | 50    |

| Rank   | Level                              |
|--------|------------------------------------|
| 96/128 | 3.6                                |
| 5/120  | 12.5                               |
| 1/134  | 1.0                                |
| 88/140 | 66                                 |
| 96/127 | 22                                 |
|        | 96/128<br>5/120<br>1/134<br>88/140 |

- Not Applicable

 $\cdot\,$  Data Not Available

(+) Positive Impact

# **GEORGIA**

# **KEY SCORES AND TRENDS**

|                    |        | Rank           |        |                | Score  |        |
|--------------------|--------|----------------|--------|----------------|--------|--------|
|                    | 2015   | 2013           | Change | 2015           | 2013   | Change |
| Overall            | 56/140 | <b>61</b> /140 | 5      | <b>51</b> /100 | 49/100 | 2      |
| Depth              | 37/140 | 46/140         | 9      | 32/50          | 30/50  | 2      |
| Breadth            | 78/140 | 82/140         | 4      | 19/50          | 18/50  | 1      |
| Trade Pillar       | 72/140 | 84/140         | 12     | 50/100         | 46/100 | 4      |
| Capital Pillar     | •      | •              | •      | •              | •      | •      |
| Information Pillar | 70/85  | 65/85          | -5     | 44/100         | 44/100 | 0      |
| People Pillar      | 50/102 | 47/103         | -3     | 53/100         | 54/100 | -1     |

#### **CONNECTEDNESS SCORE TREND**

| 60<br>55<br>50<br>45<br>40 |      | _0_  | _0-  | _0_  | ~    | _0_  |      |      | -0-  |      | _0   |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
| 30<br>25                   | 0    |      |      |      |      |      |      |      |      |      |      |
| 25                         | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

### DEPTH

|                                                                | Rank    |        | Level   |        |
|----------------------------------------------------------------|---------|--------|---------|--------|
|                                                                | Outward | Inward | Outward | Inward |
| Trade                                                          | 52/     | 140    | -       | _      |
| Merchandise Trade (% of GDP)                                   | 104/139 | 28/140 | 16%     | 55%    |
| Services Trade (% of GDP)                                      | 20/140  | 44/140 | 22%     | 12%    |
| Capital                                                        | 23/     | 90     | -       | -      |
| FDI Stock (% of GDP)                                           | 56/133  | 21/140 | 12%     | 89%    |
| FDI Flows (% of GFCF)                                          | 47/131  | 19/138 | 5%      | 34%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 64/82   | 11/81  | 2%      | 59%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 81/84   | 6/86   | -1%     | 7%     |
| Information                                                    | 66/     | 140    | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 39/     | 140    | 101,    | 468    |
| International Phone Calls<br>(Minutes per Capita)              | 79/140  | 56/140 | 54      | 195    |
| Printed Publications Trade<br>(USD per Capita)                 | 100/137 | 80/137 | \$0     | \$4    |
| People                                                         | 23/     | 112    | -       | -      |
| Migrants (% of Population)                                     | 18/139  | 66/139 | 21%     | 4%     |
| Tourists (Dep./Arr. per Capita)                                | 17/80   | 44/126 | 0.8     | 0.6    |
| International Students (% of Tertiary<br>Education Enrollment) | 27/126  | 59/116 | 9%      | 3%     |

### **ROOTED MAP**

### **GEORGIA'S MERCHANDISE EXPORTS, 2015**



### **Top Export Destinations**

 1. Azerbaijan (11%)
 6. China (6%)

 2. Bulgaria (10%)
 7. U.S.A. (5%)

 3. Turkey (8%)
 8. Uzbekistan (4%)

 4. Armenia (8%)
 9. Germany (3%)

 5. Russia (7%)
 10. Italy (3%)

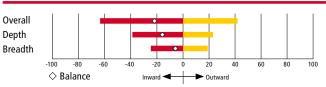
Major Export Products Vehicles, ferro-alloys, fertilizers, nuts, scrap metal, gold, copper ores

| Georgia's Sl | nare of P | artners' | Imports |       |        |         |
|--------------|-----------|----------|---------|-------|--------|---------|
| 0.5%         | 0.2%      | 0.1%     | 0.05%   | 0.01% | 0.005% | unknown |
|              |           |          |         |       |        |         |

### BREADTH

|                              | Ra             | nk     | % Same  | Region |
|------------------------------|----------------|--------|---------|--------|
|                              | Outward        | Inward | Outward | Inward |
| Trade                        | 89/            | 140    | -       | -      |
| Merchandise Trade            | <b>79</b> /139 | 90/138 | 36%     | 29%    |
| Capital                      |                |        | -       | -      |
| FDI Stock                    | •              | 21/111 | •       | 19%    |
| FDI Flows                    | •              | 24/99  | •       | 21%    |
| Portfolio Equity Stock       |                |        |         |        |
| Information                  | 77             | 77/85  |         | -      |
| International Phone Calls    | 59/83          | 60/70  | 41%     | 2%     |
| Printed Publications Trade   | 110/137        | 91/137 | 82%     | 45%    |
| People                       | 86/123         |        | -       | -      |
| Migrants                     | 100/139        | 68/136 | 13%     | 18%    |
| Tourists Departures/Arrivals | _              | 73/94  | _       | 40%    |
| International Students       | _              | 57/93  | _       | 70%    |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                       |
|---------|-----------------------------|
| 96/140  | \$3,789                     |
| 108/140 | 0%                          |
| 99/138  | 3.8                         |
| 108/140 | 4.0                         |
| _       | No                          |
|         | 96/140<br>108/140<br>99/138 |

| General Policies/Environment |        |       |  |
|------------------------------|--------|-------|--|
|                              | Rank   | Level |  |
| Operating Environment (+)    | 48/129 | 4.4   |  |
| Infrastructure (+)           | 67/128 | 3.8   |  |
| Press Freedom (+)            | 57/137 | 74    |  |
| Labor Freedom (+)            | 21/140 | 80    |  |
| Financial Freedom (+)        | 38/136 | 60    |  |

| Globalization Policies |                                                           |  |  |  |  |  |
|------------------------|-----------------------------------------------------------|--|--|--|--|--|
| Rank                   | Level                                                     |  |  |  |  |  |
| 35/128                 | 4.5                                                       |  |  |  |  |  |
| 116/120                | 0.7                                                       |  |  |  |  |  |
| 1/134                  | 1.0                                                       |  |  |  |  |  |
| 96/140                 | 61                                                        |  |  |  |  |  |
| 2/127                  | 80                                                        |  |  |  |  |  |
|                        | 35/128           116/120           1/134           96/140 |  |  |  |  |  |

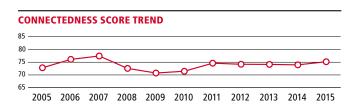
- Not Applicable

(+) Positive Impact

# GERMANY

# **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |                | Score  |        |  |
|--------------------|--------|--------|--------|----------------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015           | 2013   | Change |  |
| Overall            | 7/140  | 8/140  | 1      | 75/100         | 74/100 | 1      |  |
| Depth              | 30/140 | 37/140 | 7      | 33/50          | 32/50  | 1      |  |
| Breadth            | 8/140  | 7/140  | -1     | 42/50          | 42/50  | 0      |  |
| Trade Pillar       | 17/140 | 19/140 | 2      | <b>69</b> /100 | 69/100 | 0      |  |
| Capital Pillar     | 11/72  | 15/72  | 4      | 72/100         | 69/100 | 3      |  |
| Information Pillar | 12/85  | 11/85  | -1     | 79/100         | 80/100 | -1     |  |
| People Pillar      | 3/102  | 3/103  | 0      | 85/100         | 85/100 | 0      |  |

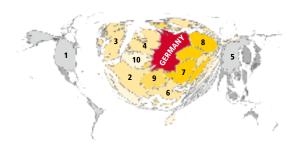


### DEPTH

|                                                                | Ra      | nk      | Level   |        |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 53/     | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 33/139  | 73/140  | 40%     | 31%    |
| Services Trade (% of GDP)                                      | 80/140  | 71/140  | 7%      | 9%     |
| Capital                                                        | 30/     | '90     | -       | _      |
| FDI Stock (% of GDP)                                           | 17/133  | 89/140  | 54%     | 33%    |
| FDI Flows (% of GFCF)                                          | 30/131  | 131/138 | 11%     | 2%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 25/82   | 21/81   | 52%     | 40%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 24/84   | 44/86   | 4%      | 1%     |
| Information                                                    | 25/     | 140     | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 31/     | 140     | 117,    | 540    |
| International Phone Calls<br>(Minutes per Capita)              | 28/140  | 59/140  | 311     | 180    |
| Printed Publications Trade<br>(USD per Capita)                 | 13/137  | 26/137  | \$59    | \$32   |
| People                                                         | 35/     | 112     |         | _      |
| Migrants (% of Population)                                     | 80/139  | 26/139  | 5%      | 15%    |
| Tourists (Dep./Arr. per Capita)                                | 11/80   | 58/126  | 1.0     | 0.4    |
| International Students (% of Tertiary<br>Education Enrollment) | 62/126  | 31/116  | 4%      | 7%     |

### **ROOTED MAP**

#### **GERMANY'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| 1. U.S.A. (10%)     | 6. Italy (5%)       |
|---------------------|---------------------|
| 2. France (9%)      | 7. Austria (5%)     |
| 3. U.K. (7%)        | 8. Poland (4%)      |
| 4. Netherlands (7%) | 9. Switzerland (4%) |
| 5. China (6%)       | 10. Belgium (3%)    |

#### **Major Export Products**

Motor vehicles, machinery, chemicals, computer and electronic products, electrical equipment, pharmaceuticals, metals, transport equipment, foodstuffs, textiles, rubber and plastic products

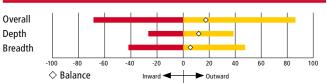
#### Germany's Share of Partners' Imports

| 259 | % 20% | 6 15% | 10% | 5% | 1% | unknown |
|-----|-------|-------|-----|----|----|---------|
|     |       |       |     |    |    |         |

### **BREADTH**

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 23/     | 140    | -       | -      |
| Merchandise Trade            | 11/139  | 47/138 | 66%     | 75%    |
| Capital                      | 12/79   |        | -       | -      |
| FDI Stock                    | 1/88    | 4/111  | 67%     | 79%    |
| FDI Flows                    | 6/77    | 6/99   | 70%     | 72%    |
| Portfolio Equity Stock       | 22/71   |        | 81%     | _      |
| Information                  | 15/85   |        | -       | -      |
| International Phone Calls    | 29/83   | 12/70  | 74%     | 82%    |
| Printed Publications Trade   | 4/137   | 27/137 | 87%     | 84%    |
| People                       | 1/123   |        | -       | -      |
| Migrants                     | 1/139   | 11/136 | 59%     | 60%    |
| Tourists Departures/Arrivals | _       | 3/94   | _       | 79%    |
| International Students       | -       | 4/93   | _       | 47%    |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                       |
|---------|-----------------------------|
| 19/140  | \$40,997                    |
| 87/140  | 2%                          |
| 124/138 | 2.6                         |
| 16/140  | 80.7                        |
|         | No                          |
|         | 19/140<br>87/140<br>124/138 |

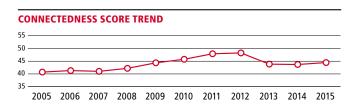
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 11/129  | 5.4   |
| Infrastructure (+)        | 5/128   | 5.9   |
| Press Freedom (+)         | 12/137  | 95    |
| Labor Freedom (+)         | 106/140 | 51    |
| Financial Freedom (+)     | 18/136  | 70    |

| Globalization Policies          |        |       |  |  |
|---------------------------------|--------|-------|--|--|
|                                 | Rank   | Level |  |  |
| Enabling Trade Index (+)        | 8/128  | 5.1   |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |  |  |
| Capital Account Openness (+)    | 1/134  | 1.0   |  |  |
| Visa-Free Travel Outward (+)    | 1/140  | 173   |  |  |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |  |  |

# GHANA

# **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |
|--------------------|--------|--------|--------|--------|--------|--------|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |
| Overall            | 79/140 | 80/140 | 1      | 44/100 | 44/100 | 0      |
| Depth              | 89/140 | 94/140 | 5      | 21/50  | 19/50  | 2      |
| Breadth            | 67/140 | 64/140 | -3     | 23/50  | 24/50  | -1     |
| Trade Pillar       | 40/140 | 39/140 | -1     | 60/100 | 59/100 | 1      |
| Capital Pillar     | •      | •      | •      | •      | •      | •      |
| Information Pillar | 79/85  | 72/85  | -7     | 39/100 | 42/100 | -3     |
| People Pillar      | 86/102 | 89/103 | 3      | 29/100 | 29/100 | 0      |

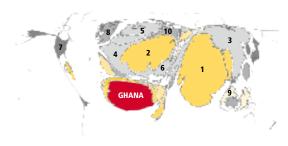


# DEPTH

|                                                                | Ra              | nk      | Le      | vel    |
|----------------------------------------------------------------|-----------------|---------|---------|--------|
|                                                                | Outward         | Inward  | Outward | Inward |
| Trade                                                          | 45/             | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 63/139          | 54/140  | 27%     | 37%    |
| Services Trade (% of GDP)                                      | 31/140          | 31/140  | 16%     | 14%    |
| Capital                                                        | 69/             | /90     | -       | -      |
| FDI Stock (% of GDP)                                           | 110/133         | 33/140  | 1%      | 73%    |
| FDI Flows (% of GFCF)                                          | 82/131          | 18/138  | 1%      | 35%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 72/82           | 79/81   | 1%      | 1%     |
| Portfolio Equity Flows (% of Mkt Cap)                          |                 | 42/86   |         | 1%     |
| Information                                                    | 114             | /140    | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 131             | /140    | 2,8     | 341    |
| International Phone Calls<br>(Minutes per Capita)              | 81/140          | 107/140 | 51      | 59     |
| Printed Publications Trade<br>(USD per Capita)                 | <b>116</b> /137 | 100/137 | \$0     | \$2    |
| People                                                         | 85/             | 112     | -       | -      |
| Migrants (% of Population)                                     | 105/139         | 103/139 | 3%      | 1%     |
| Tourists (Dep./Arr. per Capita)                                | •               | 102/126 | •       | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 81/126          | 47/116  | 2%      | 4%     |

### **ROOTED MAP**

### **GHANA'S MERCHANDISE EXPORTS, 2015**



### **Top Export Destinations**

 1. India (25%)
 6. Italy (3%)

 2. Switzerland (12%)
 7. U.S.A. (3%)

 3. China (11%)
 8. U.K. (3%)

 4. France (6%)
 9. Malaysia (2%)

 5. Netherlands (4%)
 10. Germany (2%)

Major Export Products Oil, gold, cocoa, timber, tuna, bauxite, aluminum, manganese ore, diamonds, horticultural

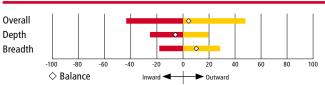
products

| therlands (4%) |           | 10. Germ  | any (2%) |       |       |         |
|----------------|-----------|-----------|----------|-------|-------|---------|
| Ghana's Sha    | re of Par | tners' In | ports    |       |       |         |
| 1%             | 0.5%      | 0.2%      | 0.1%     | 0.05% | 0.02% | unknown |
|                |           |           |          |       |       |         |

### BREADTH

|                              | Ra      | Rank    |         | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 55/     | 140     | -       | -      |
| Merchandise Trade            | 54/139  | 53/138  | 6%      | 21%    |
| Capital                      |         |         | -       | -      |
| FDI Stock                    | •       | 86/111  | •       | 16%    |
| FDI Flows                    | 41/77   | 94/99   | 79%     | 0%     |
| Portfolio Equity Stock       |         |         |         |        |
| Information                  | 46      | /85     | -       | -      |
| International Phone Calls    | 58/83   | 15/70   | 20%     | 8%     |
| Printed Publications Trade   | 71/137  | 82/137  | 46%     | 5%     |
| People                       | 96/     | 96/123  |         | -      |
| Migrants                     | 32/139  | 118/136 | 50%     | 98%    |
| Tourists Departures/Arrivals | _       | •       | _       | •      |
| International Students       | -       | 85/93   | _       | 98%    |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 116/140 | \$1,340 |
| Linguistic Commonality (+) | 20/140  | 39%     |
| Remoteness (-)             | 38/138  | 6.3     |
| Population (-)             | 43/140  | 27.4    |
| Landlocked (-)             | _       | No      |
|                            |         |         |

| General Policies/Environment |        |       |  |  |
|------------------------------|--------|-------|--|--|
|                              | Rank   | Level |  |  |
| Operating Environment (+)    | 70/129 | 4.1   |  |  |
| Infrastructure (+)           | 95/128 | 3.2   |  |  |
| Press Freedom (+)            | 22/137 | 90    |  |  |
| Labor Freedom (+)            | 87/140 | 57    |  |  |
| Financial Freedom (+)        | 38/136 | 60    |  |  |

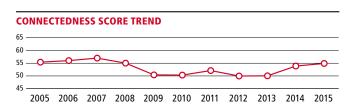
| Globalization Policies |                                       |  |  |  |  |
|------------------------|---------------------------------------|--|--|--|--|
| Rank                   | Level                                 |  |  |  |  |
| 96/128                 | 3.6                                   |  |  |  |  |
| 12/120                 | 10.0                                  |  |  |  |  |
| 123/134                | 0.0                                   |  |  |  |  |
| 96/140                 | 61                                    |  |  |  |  |
| 118/127                | 5                                     |  |  |  |  |
|                        | 96/128<br>12/120<br>123/134<br>96/140 |  |  |  |  |

- Not Applicable

Data Not Available

(+) Positive Impact

|                    |        | Rank   |        |        | Score  |        |  |
|--------------------|--------|--------|--------|--------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |  |
| Overall            | 49/140 | 55/140 | 6      | 55/100 | 50/100 | 5      |  |
| Depth              | 72/140 | 87/140 | 15     | 26/50  | 22/50  | 4      |  |
| Breadth            | 48/140 | 48/140 | 0      | 29/50  | 29/50  | 0      |  |
| Trade Pillar       | 79/140 | 87/140 | 8      | 47/100 | 45/100 | 2      |  |
| Capital Pillar     | 50/72  | 57/72  | 7      | 47/100 | 37/100 | 10     |  |
| Information Pillar | 16/85  | 19/85  | 3      | 74/100 | 73/100 | 1      |  |
| People Pillar      | 23/102 | 22/103 | -1     | 75/100 | 74/100 | 1      |  |

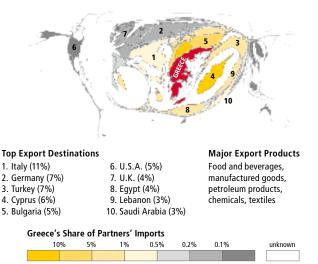


### DEPTH

|                                                                | Rank            |         | Le      | vel    |
|----------------------------------------------------------------|-----------------|---------|---------|--------|
|                                                                | Outward         | Inward  | Outward | Inward |
| Trade                                                          | 103             | /140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 110/139 100/140 |         | 15%     | 25%    |
| Services Trade (% of GDP)                                      | 32/140          | 95/140  | 16%     | 6%     |
| Capital                                                        | 35,             | /90     | -       | _      |
| FDI Stock (% of GDP)                                           | 51/133 135/140  |         | 14%     | 9%     |
| FDI Flows (% of GFCF)                                          | 87/131          | 113/138 | 1%      | 5%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 27/82           | 12/81   | 50%     | 58%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 10/84           | 4/86    | 9%      | 16%    |
| Information                                                    | 34/             | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 39/             | 140     | 100,861 |        |
| International Phone Calls<br>(Minutes per Capita)              | 46/140          | 40/140  | 172     | 236    |
| Printed Publications Trade<br>(USD per Capita)                 | 39/137          | 54/137  | \$9     | \$10   |
| People                                                         | 18/             | 112     | -       | _      |
| Migrants (% of Population)                                     | 53/139          | 41/139  | 8%      | 11%    |
| Tourists (Dep./Arr. per Capita)                                | 28/80           | 12/126  | 0.5     | 2.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 54/126          | 46/116  | 5%      | 4%     |

### **ROOTED MAP**

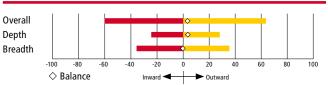
### GREECE'S MERCHANDISE EXPORTS, 2015



### **BREADTH**

|                              | Rank    |        | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 50/     | 140    | -       | -      |
| Merchandise Trade            | 48/139  | 51/138 | 64%     | 64%    |
| Capital                      | 56/     | /79    | -       | -      |
| FDI Stock                    | 36/88   | 20/111 | 63%     | 88%    |
| FDI Flows                    | 32/77   | 43/99  | 61%     | 92%    |
| Portfolio Equity Stock       | 66/71   |        | 93%     | _      |
| Information                  | 21/     | /85    | -       | -      |
| International Phone Calls    | 24/83   | 19/70  | 82%     | 77%    |
| Printed Publications Trade   | 25/137  | 41/137 | 66%     | 73%    |
| People                       | 22/     | 123    | _       | -      |
| Migrants                     | 14/139  | 15/136 | 50%     | 70%    |
| Tourists Departures/Arrivals | _       | 6/94   | -       | 86%    |
| International Students       | -       | 56/93  | _       | 88%    |

# DIRECTIONALITY



| Rank    | Level                        |
|---------|------------------------------|
| 40/140  | \$18,064                     |
| 104/140 | 0%                           |
| 106/138 | 3.5                          |
| 70/140  | 11.0                         |
| _       | No                           |
|         | 40/140<br>104/140<br>106/138 |

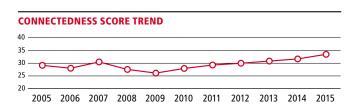
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 76/129  | 4.0   |
| Infrastructure (+)        | 50/128  | 4.2   |
| Press Freedom (+)         | 73/137  | 70    |
| Labor Freedom (+)         | 103/140 | 52    |
| Financial Freedom (+)     | 68/136  | 50    |

| Globalization Policies          |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 67/128 | 4.0   |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |
| Capital Account Openness (+)    | 1/134  | 1.0   |
| Visa-Free Travel Outward (+)    | 24/140 | 167   |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |

# GUATEMALA

# **KEY SCORES AND TRENDS**

|                    |            | Rank    |        |        | Score  |        |  |
|--------------------|------------|---------|--------|--------|--------|--------|--|
|                    | 2015       | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 111/140    | 118/140 | 7      | 33/100 | 31/100 | 2      |  |
| Depth              | 111/140    | 104/140 | -7     | 15/50  | 17/50  | -2     |  |
| Breadth            | 87/140     | 100/140 | 13     | 18/50  | 14/50  | 4      |  |
| Trade Pillar       | 120/140    | 126/140 | 6      | 33/100 | 29/100 | 4      |  |
| Capital Pillar     | · ·        | •       | •      | •      | •      | •      |  |
| Information Pillar | 59/85      | 55/85   | -4     | 50/100 | 51/100 | -1     |  |
| People Pillar      | - <u> </u> |         |        | •      |        |        |  |

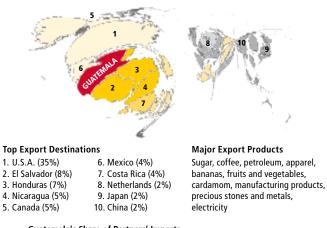


### DEPTH

|                                                                | Rank    |          | Le      | vel    |
|----------------------------------------------------------------|---------|----------|---------|--------|
|                                                                | Outward | Inward   | Outward | Inward |
| Trade                                                          | 108     | /140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 100/139 | 90/140   | 17%     | 28%    |
| Services Trade (% of GDP)                                      | 106/140 | 115/140  | 4%      | 5%     |
| Capital                                                        |         |          | -       | -      |
| FDI Stock (% of GDP)                                           | 108/133 | 108/140  | 1%      | 21%    |
| FDI Flows (% of GFCF)                                          | 81/131  | 46/138   | 1%      | 16%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •        | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | ·       | <u> </u> | ·       |        |
| Information                                                    | 72/     | 140      | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 89/     | 140      | 24,     | 676    |
| International Phone Calls<br>(Minutes per Capita)              | 74/140  | 30/140   | 68      | 273    |
| Printed Publications Trade<br>(USD per Capita)                 | 72/137  | 71/137   | \$1     | \$6    |
| People                                                         | 99/     | 112      | -       | -      |
| Migrants (% of Population)                                     | 64/139  | 124/139  | 6%      | 0%     |
| Tourists (Dep./Arr. per Capita)                                | 69/80   | 87/126   | 0.1     | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 110/126 | •        | 1%      |        |

### **ROOTED MAP**

### **GUATEMALA'S MERCHANDISE EXPORTS, 2015**

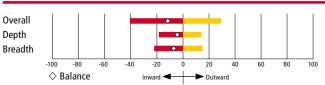


| Guaten | iala s Sha | are ot P | artners | Import | S     |       |         |
|--------|------------|----------|---------|--------|-------|-------|---------|
|        | 7% 1       | %        | 0.2%    | 0.1%   | 0.05% | 0.01% | unknown |
|        |            |          |         |        |       |       |         |

### BREADTH

|                              | Ra       | Rank   |         | % Same Region |  |  |
|------------------------------|----------|--------|---------|---------------|--|--|
|                              | Outward  | Inward | Outward | Inward        |  |  |
| Trade                        | 91/      | 140    | -       | -             |  |  |
| Merchandise Trade            | 86/139   | 89/138 | 34%     | 17%           |  |  |
| Capital                      |          |        | -       | -             |  |  |
| FDI Stock                    | 81/88    | 59/111 | 98%     | 25%           |  |  |
| FDI Flows                    | •        | 55/99  | •       | 13%           |  |  |
| Portfolio Equity Stock       | <u> </u> |        |         |               |  |  |
| Information                  | 59/      | /85    | _       | -             |  |  |
| International Phone Calls    | 57/83    | 22/70  | 25%     | 4%            |  |  |
| Printed Publications Trade   | 123/137  | 85/137 | 96%     | 30%           |  |  |
| People                       |          |        | -       | -             |  |  |
| Migrants                     | 91/139   | 60/136 | 4%      | 56%           |  |  |
| Tourists Departures/Arrivals | _        | •      | _       | •             |  |  |
| International Students       | _        | •      | _       | •             |  |  |

# DIRECTIONALITY



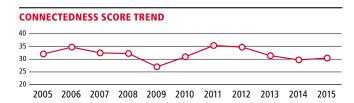
# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |         |
|----------------------------|--------|---------|
|                            | Rank   | Level   |
| GDP per Capita (+)         | 93/140 | \$3,929 |
| Linguistic Commonality (+) | 63/140 | 6%      |
| Remoteness (-)             | 55/138 | 5.9     |
| Population (-)             | 59/140 | 16.3    |
| Landlocked (-)             | _      | No      |
|                            |        |         |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 90/129  | 3.8   |
| Infrastructure (+)        | 72/128  | 3.7   |
| Press Freedom (+)         | 97/137  | 61    |
| Labor Freedom (+)         | 109/140 | 51    |
| Financial Freedom (+)     | 68/136  | 50    |

| lobalization Policies         |         |       |
|-------------------------------|---------|-------|
|                               | Rank    | Level |
| abling Trade Index (+)        | 61/128  | 4.1   |
| riffs (Wtd. Mean Applied) (-) | 104/120 | 1.5   |
| apital Account Openness (+)   | 1/134   | 1.0   |
| sa-Free Travel Outward (+)    | 60/140  | 113   |
| sa-Free Travel Inward (+)     | 47/127  | 29    |
| . ,                           |         | _     |

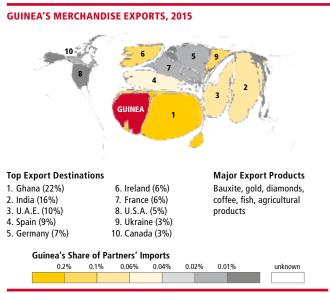
|                    |         | Rank    |        |        | Score  |        |
|--------------------|---------|---------|--------|--------|--------|--------|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |
| Overall            | 120/140 | 117/140 | -3     | 30/100 | 31/100 | -1     |
| Depth              | 114/140 | 96/140  | -18    | 15/50  | 19/50  | -4     |
| Breadth            | 103/140 | 109/140 | 6      | 15/50  | 13/50  | 2      |
| Trade Pillar       | 98/140  | 100/140 | 2      | 41/100 | 39/100 | 2      |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |
| Information Pillar | · ·     | •       | •      | •      | •      | •      |
| People Pillar      | 81/102  | 83/103  | 2      | 31/100 | 32/100 | -1     |



### DEPTH

|                                                                | Rank    |                | Le      | vel    |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 77/     | 140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 50/139  | 80/140         | 31%     | 29%    |
| Services Trade (% of GDP)                                      | 135/140 | 55/140         | 2%      | 10%    |
| Capital                                                        |         |                | -       | -      |
| FDI Stock (% of GDP)                                           | 109/133 | 92/140         | 1%      | 32%    |
| FDI Flows (% of GFCF)                                          | 108/131 | 70/138         | 0%      | 11%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •              | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | ·              | •       | •      |
| Information                                                    | 128     | /140           | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 139     | /140           | 930     |        |
| International Phone Calls<br>(Minutes per Capita)              | 112/140 | 121/140        | 20      | 35     |
| Printed Publications Trade<br>(USD per Capita)                 | 36/137  | 116/137        | \$9     | \$1    |
| People                                                         | 97/     | 112            | -       | -      |
| Migrants (% of Population)                                     | 102/139 | <b>96</b> /139 | 3%      | 2%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 125/126        | •       | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 52/126  | 85/116         | 5%      | 1%     |

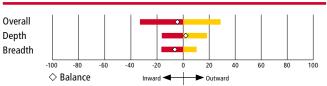
### **ROOTED MAP**



### **BREADTH**

|                              | Rank    |        | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 98/     | 140    | -       | -      |
| Merchandise Trade            | 110/139 | 72/138 | 26%     | 8%     |
| Capital                      |         |        | -       | -      |
| FDI Stock                    | •       | 97/111 | •       | 0%     |
| FDI Flows                    | •       | •      | •       | •      |
| Portfolio Equity Stock       | ·       | _      | •       | -      |
| Information                  |         |        | _       | -      |
| International Phone Calls    | · ·     | · .    | •       | •      |
| Printed Publications Trade   | 137/137 | 89/137 | 0%      | 9%     |
| People                       | 80/     | 123    | -       | -      |
| Migrants                     | 111/139 | 94/136 | 77%     | 88%    |
| Tourists Departures/Arrivals | _       | 48/94  | _       | 30%    |
| International Students       | -       | · ·    | _       | •      |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                                            |
|---------|--------------------------------------------------|
| 135/140 | \$542                                            |
| 46/140  | 8%                                               |
| 44/138  | 6.2                                              |
| 65/140  | 12.6                                             |
| _       | No                                               |
|         | <u>135/140</u><br><u>46/140</u><br><u>44/138</u> |

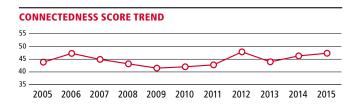
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 122/129 | 3.3   |
| Infrastructure (+)        | 128/128 | 2.1   |
| Press Freedom (+)         | 82/137  | 68    |
| Labor Freedom (+)         | 39/140  | 74    |
| Financial Freedom (+)     | 101/136 | 40    |

| Globalization Policies          |         |       |
|---------------------------------|---------|-------|
|                                 | Rank    | Level |
| Enabling Trade Index (+)        | 125/128 | 2.9   |
| Tariffs (Wtd. Mean Applied) (-) | 6/120   | 11.9  |
| Capital Account Openness (+)    | 123/134 | 0.0   |
| Visa-Free Travel Outward (+)    | 128/140 | 43    |
| Visa-Free Travel Inward (+)     | 116/127 | 8     |

# **GUYANA**

# **KEY SCORES AND TRENDS**

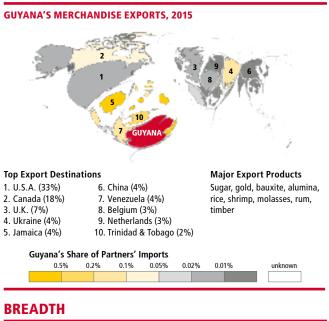
|                    |         | Rank    |        |        | Score  |        |
|--------------------|---------|---------|--------|--------|--------|--------|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |
| Overall            | 69/140  | 78/140  | 9      | 47/100 | 44/100 | 3      |
| Depth              | 35/140  | 20/140  | -15    | 33/50  | 35/50  | -2     |
| Breadth            | 107/140 | 118/140 | 11     | 15/50  | 9/50   | 6      |
| Trade Pillar       | 67/140  | 70/140  | 3      | 51/100 | 48/100 | 3      |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |
| Information Pillar | •       | •       | •      | •      | •      | •      |
| People Pillar      | 64/102  | 66/103  | 2      | 42/100 | 42/100 | 0      |



### DEPTH

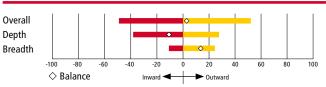
|                                                                | Ra      | Rank           |         | vel    |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 35/     | 140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 40/139  | 37/140         | 35%     | 49%    |
| Services Trade (% of GDP)                                      | 88/140  | 29/140         | 6%      | 14%    |
| Capital                                                        |         |                | -       | _      |
| FDI Stock (% of GDP)                                           | 131/133 | <b>19</b> /140 | 0%      | 92%    |
| FDI Flows (% of GFCF)                                          | •       | 14/138         | •       | 40%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •              | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | · _            | •       | •      |
|                                                                |         |                |         |        |
| Information                                                    | 69/     | 140            | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 88/     | 140            | 25,     | 607    |
| International Phone Calls<br>(Minutes per Capita)              | 80/140  | 13/140         | 52      | 537    |
| Printed Publications Trade<br>(USD per Capita)                 | 106/137 | 41/137         | \$0     | \$14   |
| People                                                         | 51/     | 112            | _       | -      |
| Migrants (% of Population)                                     | 1/139   | <b>92</b> /139 | 60%     | 2%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 67/126         | •       | 0.3    |
| International Students (% of Tertiary<br>Education Enrollment) | 8/126   | 94/116         | 17%     | 0%     |

### **ROOTED MAP**



|                              | Ra       | Rank    |         | Region |
|------------------------------|----------|---------|---------|--------|
|                              | Outward  | Inward  | Outward | Inward |
| Trade                        | 102      | /140    | -       | -      |
| Merchandise Trade            | 82/139   | 114/138 | 17%     | 44%    |
| Capital                      |          |         | -       | -      |
| FDI Stock                    | •        | •       | ·       | •      |
| FDI Flows                    | •        | ·       | •       | •      |
| Portfolio Equity Stock       | <u> </u> |         |         |        |
| Information                  | -        |         | -       | -      |
| International Phone Calls    |          | •       | •       |        |
| Printed Publications Trade   | 70/137   | 114/137 | 39%     | 22%    |
| People                       | 99/      | 123     | -       | -      |
| Migrants                     | 70/139   | 98/136  | 13%     | 77%    |
| Tourists Departures/Arrivals | _        | · .     | _       | •      |
| International Students       | _        | 79/93   | _       | 70%    |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 86/140  | \$4,125 |
| Linguistic Commonality (+) | 8/140   | 39%     |
| Remoteness (-)             | 32/138  | 6.6     |
| Population (-)             | 131/140 | 0.8     |
| Landlocked (-)             | _       | No      |
|                            |         |         |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 90/129  | 3.8   |
| Infrastructure (+)        | 110/128 | 2.9   |
| Press Freedom (+)         | 50/137  | 75    |
| Labor Freedom (+)         | 38/140  | 75    |
| Financial Freedom (+)     | 118/136 | 30    |

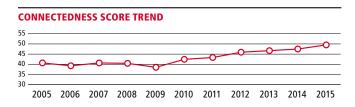
| Globalization Policies          |        |       |  |  |  |  |  |
|---------------------------------|--------|-------|--|--|--|--|--|
|                                 | Rank   | Level |  |  |  |  |  |
| Enabling Trade Index (+)        | 96/128 | 3.6   |  |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 25/120 | 7.1   |  |  |  |  |  |
| Capital Account Openness (+)    | 1/134  | 1.0   |  |  |  |  |  |
| Visa-Free Travel Outward (+)    | 73/140 | 80    |  |  |  |  |  |
| Visa-Free Travel Inward (+)     | 5/127  | 76    |  |  |  |  |  |

- Not Applicable

Data Not Available

(+) Positive Impact

|                    |        | Rank           |        |        | Score  |        |
|--------------------|--------|----------------|--------|--------|--------|--------|
|                    | 2015   | 2013           | Change | 2015   | 2013   | Change |
| Overall            | 62/140 | 70/140         | 8      | 50/100 | 47/100 | 3      |
| Depth              | 47/140 | 44/140         | -3     | 31/50  | 31/50  | 0      |
| Breadth            | 81/140 | <b>91</b> /140 | 10     | 19/50  | 16/50  | 3      |
| Trade Pillar       | 46/140 | 59/140         | 13     | 58/100 | 53/100 | 5      |
| Capital Pillar     | •      | •              | •      | •      | •      | •      |
| Information Pillar | •      | •              | •      | •      | •      | •      |
| People Pillar      | 90/102 | 85/103         | -5     | 28/100 | 31/100 | -3     |



### DEPTH

|                                                                | Ra             | nk      | Le      | vel    |
|----------------------------------------------------------------|----------------|---------|---------|--------|
|                                                                | Outward        | Inward  | Outward | Inward |
| Trade                                                          | 25/            | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 35/139         | 29/140  | 38%     | 55%    |
| Services Trade (% of GDP)                                      | 45/140         | 72/140  | 13%     | 9%     |
| Capital                                                        |                |         | -       | _      |
| FDI Stock (% of GDP)                                           | 86/133         | 41/140  | 3%      | 61%    |
| FDI Flows (% of GFCF)                                          | 76/131         | 27/138  | 1%      | 25%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •              | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          |                | •       | •       | •      |
| Information                                                    | 65/            | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 91/            | 140     | 23,     | 617    |
| International Phone Calls<br>(Minutes per Capita)              | <b>41</b> /140 | 33/140  | 198     | 268    |
| Printed Publications Trade<br>(USD per Capita)                 | 67/137         | 79/137  | \$2     | \$5    |
| People                                                         | 91/            | 91/112  |         | -      |
| Migrants (% of Population)                                     | 50/139         | 127/139 | 8%      | 0%     |
| Tourists (Dep./Arr. per Capita)                                | 65/80          | 82/126  | 0.1     | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | <b>92</b> /126 | 88/116  | 2%      | 1%     |

### **ROOTED MAP**

### HONDURAS'S MERCHANDISE EXPORTS, 2015



### **Top Export Destinations**

| 1. U.S.A. (36%)     | 6. Netherlands (4%)         | С  |
|---------------------|-----------------------------|----|
| 2. Germany (9%)     | 7. Belgium (3%)             | aı |
| 3. El Salvador (8%) | 8. Costa Rica (2%)          | ci |
| 4. Guatemala (6%)   | 9. Mexico (2%)              | fr |
| 5. Nicaragua (6%)   | 10. Dominican Republic (2%) |    |
|                     |                             |    |

Major Export Products Coffee, apparel, coffee, shrimp, automobile wire harnesses, cigars, bananas, gold, palm oil, ruit, lobster, lumber

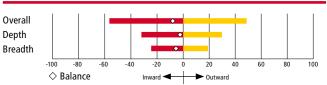
#### Honduras's Share of Partners' Imports

| 4 | 2% 1 | % 0. | % 0.0 | 5% U.UI* | % unkno | wn |
|---|------|------|-------|----------|---------|----|
|   |      |      |       |          |         |    |

# **BREADTH**

|                              | Rank    |        | % Same  | e Region |
|------------------------------|---------|--------|---------|----------|
|                              | Outward | Inward | Outward | Inward   |
| Trade                        | 87/     | 140    | -       | -        |
| Merchandise Trade            | 68/139  | 99/138 | 31%     | 27%      |
| Capital                      | 52      | 52/79  |         | -        |
| FDI Stock                    | 86/88   | 45/111 | 99%     | 20%      |
| FDI Flows                    | 53/77   | 29/99  | 62%     | 15%      |
| Portfolio Equity Stock       |         |        |         | _        |
| Information                  |         |        | _       |          |
| International Phone Calls    |         | •      |         |          |
| Printed Publications Trade   | 60/137  | 88/137 | 61%     | 35%      |
| People                       | 94/     | 94/123 |         | -        |
| Migrants                     | 88/139  | 55/136 | 8%      | 70%      |
| Tourists Departures/Arrivals | _       | 78/94  | _       | 53%      |
| International Students       | _       | 75/93  | _       | 86%      |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                       |
|---------|-----------------------------|
| 104/140 | \$2,407                     |
| 56/140  | 6%                          |
| 57/138  | 5.8                         |
| 84/140  | 8.1                         |
| _       | No                          |
|         | 104/140<br>56/140<br>57/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 109/129 | 3.5   |
| Infrastructure (+)        | 103/128 | 3.0   |
| Press Freedom (+)         | 104/137 | 59    |
| Labor Freedom (+)         | 136/140 | 28    |
| Financial Freedom (+)     | 38/136  | 60    |

| Globalization Policies          |        |       |  |  |  |  |  |
|---------------------------------|--------|-------|--|--|--|--|--|
|                                 | Rank   | Level |  |  |  |  |  |
| Enabling Trade Index (+)        | 82/128 | 3.8   |  |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | •      | •     |  |  |  |  |  |
| Capital Account Openness (+)    | 91/134 | 0.2   |  |  |  |  |  |
| Visa-Free Travel Outward (+)    | 58/140 | 116   |  |  |  |  |  |
| Visa-Free Travel Inward (+)     | 47/127 | 29    |  |  |  |  |  |

# HONG KONG SAR (CHINA)

# **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |                | Score          |        |
|--------------------|--------|--------|--------|----------------|----------------|--------|
|                    | 2015   | 2013   | Change | 2015           | 2013           | Change |
| Overall            | 17/140 | 17/140 | 0      | <b>69</b> /100 | 70/100         | -1     |
| Depth              | 2/140  | 2/140  | 0      | 47/50          | 47/50          | 0      |
| Breadth            | 71/140 | 67/140 | -4     | 22/50          | 22/50          | 0      |
| Trade Pillar       | 7/140  | 8/140  | 1      | 80/100         | <b>79</b> /100 | 1      |
| Capital Pillar     | 45/72  | 36/72  | -9     | 48/100         | 52/100         | -4     |
| Information Pillar | 17/85  | 15/85  | -2     | 74/100         | 75/100         | -1     |
| People Pillar      | 26/102 | 28/103 | 2      | 70/100         | <b>69</b> /100 | 1      |

#### **CONNECTEDNESS SCORE TREND**

| 75 - |  |
|------|--|
| 70 - |  |
|      |  |
| 65 - |  |
| 60 - |  |

### 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

### DEPTH

|                                                                | Ra      | nk     | Le      | vel    |
|----------------------------------------------------------------|---------|--------|---------|--------|
|                                                                | Outward | Inward | Outward | Inward |
| Trade                                                          | 2/1     | 40     | -       | _      |
| Merchandise Trade (% of GDP)                                   | 1/139   | 1/140  | 165%    | 181%   |
| Services Trade (% of GDP)                                      | 7/140   | 8/140  | 34%     | 24%    |
| Capital                                                        | 17/     | 90     | -       | -      |
| FDI Stock (% of GDP)                                           | 3/133   | 3/140  | 479%    | 507%   |
| FDI Flows (% of GFCF)                                          | 2/131   | 2/138  | 128%    | 176%   |
| Portfolio Equity Stock (% of Mkt Cap)                          | 43/82   | 53/81  | 25%     | 13%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 41/84   | 74/86  | 1%      | 0%     |
| Information                                                    | 1/1     | 40     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 2/1     | 40     | 4,155   | 5,651  |
| International Phone Calls<br>(Minutes per Capita)              | 3/140   | 1/140  | 2450    | 1097   |
| Printed Publications Trade<br>(USD per Capita)                 | 2/137   | 2/137  | \$261   | \$185  |
| People                                                         | 3/1     | 12     | -       | _      |
| Migrants (% of Population)                                     | 30/139  | 10/139 | 14%     | 39%    |
| Tourists (Dep./Arr. per Capita)                                | •       | 3/126  | •       | 3.8    |
| International Students (% of Tertiary<br>Education Enrollment) | 19/126  | 19/116 | 11%     | 10%    |

### **ROOTED MAP**





#### **Top Export Destinations** 1.

| 1. China (54%)  | 6. Germany (2%)      |
|-----------------|----------------------|
| 2. U.S.A. (10%) | 7. Taiwan (2%)       |
| 3. Japan (3%)   | 8. Singapore (2%)    |
| 4. India (3%)   | 9. U.K. (2%)         |
| 5. Vietnam (2%) | 10. South Korea (2%) |

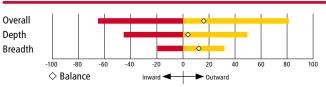
**Major Export Products** Electrical machinery and appliances, textiles, apparel, footwear, watches and clocks, toys, plastics, precious stones, printed material

| Hong Kong's Share of Partners' Imports |      |     |      |       |        |    |         |
|----------------------------------------|------|-----|------|-------|--------|----|---------|
| 15                                     | 5% 4 | % 2 | % 19 | % 0.7 | 5% 0.5 | i% | unknown |
|                                        |      |     |      |       |        |    |         |

### **BREADTH**

|                              | Rank    |         | % Same Region |        |  |
|------------------------------|---------|---------|---------------|--------|--|
|                              | Outward | Inward  | Outward       | Inward |  |
| Trade                        | 60/     | 140     | -             | -      |  |
| Merchandise Trade            | 43/139  | 69/138  | 70%           | 81%    |  |
| Capital                      | 63/79   |         | -             | _      |  |
| FDI Stock                    | 47/88   | 81/111  | 50%           | 36%    |  |
| FDI Flows                    | 43/77   | 61/99   | 51%           | 45%    |  |
| Portfolio Equity Stock       | 57/71   |         | 32%           |        |  |
| Information                  | 44      | /85     | _             | -      |  |
| International Phone Calls    | 35/83   | 49/70   | 87%           | 89%    |  |
| Printed Publications Trade   | 5/137   | 100/137 | 34%           | 90%    |  |
| People                       | 61/123  |         | _             |        |  |
| Migrants                     | 54/139  | 80/136  | 44%           | 97%    |  |
| Tourists Departures/Arrivals | _       | 75/94   | -             | 90%    |  |
| International Students       | -       | 34/93   | _             | 96%    |  |

# DIRECTIONALITY



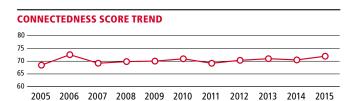
# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |          |
|----------------------------|--------|----------|
|                            | Rank   | Level    |
| GDP per Capita (+)         | 17/140 | \$42,390 |
| Linguistic Commonality (+) | 2/140  | 55%      |
| Remoteness (-)             | 80/138 | 4.7      |
| Population (-)             | 88/140 | 7.3      |
| Landlocked (-)             | _      | No       |
|                            |        |          |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 1/129  | 5.8   |
| Infrastructure (+)        | 2/128  | 6.0   |
| Press Freedom (+)         | 58/137 | 74    |
| Labor Freedom (+)         | 4/140  | 96    |
| Financial Freedom (+)     | 1/136  | 90    |

| Globalization Policies          |         |       |
|---------------------------------|---------|-------|
|                                 | Rank    | Level |
| Enabling Trade Index (+)        | 2/128   | 5.5   |
| Tariffs (Wtd. Mean Applied) (-) | 120/120 | 0.0   |
| Capital Account Openness (+)    | 1/134   | 1.0   |
| Visa-Free Travel Outward (+)    | 37/140  | 152   |
| Visa-Free Travel Inward (+)     | 2/127   | 80    |

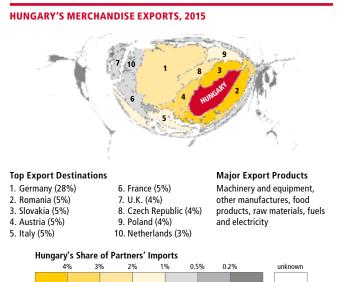
|                    |        | Rank           |        |        | Score  |        |
|--------------------|--------|----------------|--------|--------|--------|--------|
|                    | 2015   | 2013           | Change | 2015   | 2013   | Change |
| Overall            | 12/140 | <b>11</b> /140 | -1     | 72/100 | 71/100 | 1      |
| Depth              | 9/140  | <b>11</b> /140 | 2      | 41/50  | 40/50  | 1      |
| Breadth            | 39/140 | 37/140         | -2     | 31/50  | 31/50  | 0      |
| Trade Pillar       | 13/140 | 13/140         | 0      | 73/100 | 73/100 | 0      |
| Capital Pillar     | 20/72  | 21/72          | 1      | 66/100 | 65/100 | 1      |
| Information Pillar | 27/85  | 30/85          | 3      | 67/100 | 66/100 | 1      |
| People Pillar      | 20/102 | 23/103         | 3      | 76/100 | 74/100 | 2      |



#### DEPTH

|                                                                | Rank           |                | Le      | vel    |
|----------------------------------------------------------------|----------------|----------------|---------|--------|
|                                                                | Outward        | Inward         | Outward | Inward |
| Trade                                                          | 5/1            | 40             | -       | -      |
| Merchandise Trade (% of GDP)                                   | 7/139          | <b>10</b> /140 | 82%     | 77%    |
| Services Trade (% of GDP)                                      | 26/140         | 36/140         | 18%     | 13%    |
| Capital                                                        | 12/            | 90             | -       | _      |
| FDI Stock (% of GDP)                                           | 33/133         | 30/140         | 32%     | 76%    |
| FDI Flows (% of GFCF)                                          | 40/131         | <b>59</b> /138 | 8%      | 14%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 33/82          | 10/81          | 37%     | 60%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 30/84          | 37/86          | 3%      | 1%     |
| Information                                                    | 52/            | 140            | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 65/            | 140            | 55,     | 410    |
| International Phone Calls<br>(Minutes per Capita)              | <b>61</b> /140 | 65/140         | 94      | 166    |
| Printed Publications Trade<br>(USD per Capita)                 | 30/137         | 48/137         | \$15    | \$12   |
| People                                                         | 43/            | 112            | -       | -      |
| Migrants (% of Population)                                     | 67/139         | 64/139         | 6%      | 5%     |
| Tourists (Dep./Arr. per Capita)                                | 27/80          | 20/126         | 0.6     | 1.2    |
| International Students (% of Tertiary<br>Education Enrollment) | 84/126         | 29/116         | 2%      | 7%     |

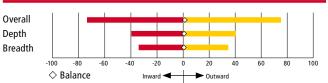
#### **ROOTED MAP**



#### **BREADTH**

|                              | Ra             | Rank          |         | Region |
|------------------------------|----------------|---------------|---------|--------|
|                              | Outward        | Inward        | Outward | Inward |
| Trade                        | 70/            | 140           | -       | -      |
| Merchandise Trade            | <b>59</b> /139 | 74/138        | 88%     | 83%    |
| Capital                      | 34             | /79           | -       | -      |
| FDI Stock                    | 30/88          | 24/111        | 76%     | 67%    |
| FDI Flows                    | 22/77          | 16/99         | 89%     | 95%    |
| Portfolio Equity Stock       | 44/71          |               | 82%     | _      |
| Information                  | 26             | /85           | _       | -      |
| International Phone Calls    | 37/83          | 23/70         | 94%     | 87%    |
| Printed Publications Trade   | 29/137         | 29/137        | 93%     | 87%    |
| People                       | 14/            | 123           | -       | -      |
| Migrants                     | 17/139         | 27/136        | 72%     | 87%    |
| Tourists Departures/Arrivals | _              | 17/94         | _       | 88%    |
| International Students       | _              | <b>19</b> /93 | _       | 68%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| el  |
|-----|
| 240 |
| 6   |
| 4   |
| 9   |
| S   |
| 4   |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 62/129 | 4.2   |
| Infrastructure (+)        | 40/128 | 4.4   |
| Press Freedom (+)         | 53/137 | 74    |
| Labor Freedom (+)         | 51/140 | 68    |
| Financial Freedom (+)     | 18/136 | 70    |

| Globalization Policies          |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 45/128 | 4.3   |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |
| Capital Account Openness (+)    | 1/134  | 1.0   |
| Visa-Free Travel Outward (+)    | 28/140 | 163   |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |

- Not Applicable

 $\cdot$  Data Not Available

# **ICELAND**

#### **KEY SCORES AND TRENDS**

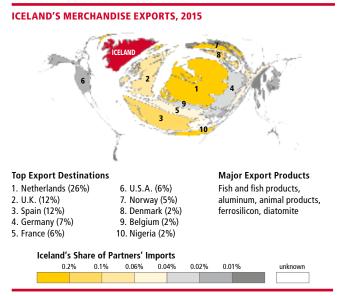
|                    |        | Rank   |        | Score  |        |        |  |
|--------------------|--------|--------|--------|--------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |  |
| Overall            | 26/140 | 23/140 | -3     | 65/100 | 67/100 | -2     |  |
| Depth              | 42/140 | 32/140 | -10    | 31/50  | 33/50  | -2     |  |
| Breadth            | 28/140 | 29/140 | 1      | 35/50  | 34/50  | 1      |  |
| Trade Pillar       | 29/140 | 27/140 | -2     | 63/100 | 63/100 | 0      |  |
| Capital Pillar     | 43/72  | 31/72  | -12    | 50/100 | 54/100 | -4     |  |
| Information Pillar | •      | •      | •      | •      | •      | •      |  |
| People Pillar      | 2/102  | 2/103  | 0      | 88/100 | 87/100 | 1      |  |

| c  | ONNEC | TEDNI | ss sc | ORE TI | REND     |      |      |      |      |      |      |
|----|-------|-------|-------|--------|----------|------|------|------|------|------|------|
| 80 |       |       |       |        |          |      |      |      |      |      |      |
| 75 |       | 0     |       |        |          |      |      |      |      |      |      |
| 65 | 0     | ~     | -0-   | -0-    | <u> </u> | -0-  | -0-  | -0-  | ~~   |      |      |
| 60 |       |       |       |        |          |      |      |      |      |      |      |
|    | 2005  | 2006  | 2007  | 2008   | 2009     | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Ra      | nk     | Le      | vel    |
|----------------------------------------------------------------|---------|--------|---------|--------|
|                                                                | Outward | Inward | Outward | Inward |
| Trade                                                          | 48/     | 140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 58/139  | 72/140 | 28%     | 32%    |
| Services Trade (% of GDP)                                      | 14/140  | 19/140 | 25%     | 17%    |
| Capital                                                        | 66/     | '90    | -       | -      |
| FDI Stock (% of GDP)                                           | 23/133  | 65/140 | 43%     | 44%    |
| FDI Flows (% of GFCF)                                          | 130/131 | 80/138 | -3%     | 10%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 15/82   | 61/81  | 80%     | 10%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 56/84   | 81/86  | 1%      | -1%    |
| Information                                                    | 24/     | 140    | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 5/1     | 40     | 725     | ,806   |
| International Phone Calls<br>(Minutes per Capita)              | 55/140  | 29/140 | 113     | 275    |
| Printed Publications Trade<br>(USD per Capita)                 | 57/137  | 14/137 | \$3     | \$53   |
| People                                                         | 7/1     | 12     | -       | -      |
| Migrants (% of Population)                                     | 38/139  | 40/139 | 12%     | 11%    |
| Tourists (Dep./Arr. per Capita)                                | 8/80    | 5/126  | 1.2     | 3.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 13/126  | 32/116 | 14%     | 7%     |

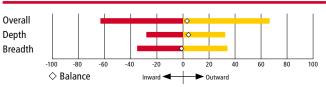
#### **ROOTED MAP**



#### BREADTH

|                              | Rank 9         |        | % Same  | Region |
|------------------------------|----------------|--------|---------|--------|
|                              | Outward        | Inward | Outward | Inward |
| Trade                        | 45/            | 140    | -       | -      |
| Merchandise Trade            | <b>67</b> /139 | 34/138 | 83%     | 61%    |
| Capital                      | 33             | /79    | _       | -      |
| FDI Stock                    | 13/88          | 46/111 | 80%     | 70%    |
| FDI Flows                    | 31/77          | 56/99  | 95%     | 95%    |
| Portfolio Equity Stock       | 30/71          | _      | 76%     | _      |
| Information                  |                |        | _       | -      |
| International Phone Calls    |                | •      |         | •      |
| Printed Publications Trade   | 27/137         | 22/137 | 34%     | 71%    |
| People                       | 13/            | 123    | -       | -      |
| Migrants                     | 42/139         | 20/136 | 80%     | 74%    |
| Tourists Departures/Arrivals | _              | 7/94   | _       | 76%    |
| International Students       | _              | 21/93  | _       | 76%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 11/140  | \$50,855 |
| Linguistic Commonality (+) | 108/140 | 0%       |
| Remoteness (-)             | 102/138 | 3.5      |
| Population (-)             | 139/140 | 0.3      |
| Landlocked (-)             | -       | No       |
|                            |         |          |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 31/129 | 4.8   |
| Infrastructure (+)        | 30/128 | 4.8   |
| Press Freedom (+)         | 21/137 | 92    |
| Labor Freedom (+)         | 68/140 | 62    |
| Financial Freedom (+)     | 38/136 | 60    |

| Globalization Policies          |                |       |
|---------------------------------|----------------|-------|
|                                 | Rank           | Level |
| Enabling Trade Index (+)        | 19/128         | 4.9   |
| Tariffs (Wtd. Mean Applied) (-) | 112/120        | 1.0   |
| Capital Account Openness (+)    | <b>91</b> /134 | 0.2   |
| Visa-Free Travel Outward (+)    | 26/140         | 164   |
| Visa-Free Travel Inward (+)     | 66/127         | 23    |

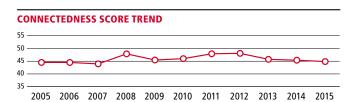
- Not Applicable

Data Not Available

### INDIA

#### **KEY SCORES AND TRENDS**

|                    |         | Rank           |        |        | Score  |        |  |
|--------------------|---------|----------------|--------|--------|--------|--------|--|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |  |
| Overall            | 78/140  | 75/140         | -3     | 45/100 | 46/100 | -1     |  |
| Depth              | 133/140 | 126/140        | -7     | 7/50   | 9/50   | -2     |  |
| Breadth            | 21/140  | 23/140         | 2      | 38/50  | 36/50  | 2      |  |
| Trade Pillar       | 59/140  | 46/140         | -13    | 54/100 | 57/100 | -3     |  |
| Capital Pillar     | 60/72   | 55/72          | -5     | 41/100 | 39/100 | 2      |  |
| Information Pillar | 45/85   | 42/85          | -3     | 56/100 | 57/100 | -1     |  |
| People Pillar      | 80/102  | <b>81</b> /103 | 1      | 32/100 | 33/100 | -1     |  |

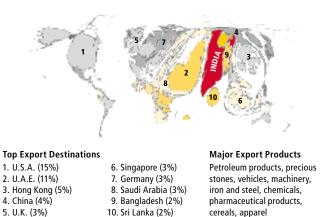


#### DEPTH

|                                                                | Ra      | nk              | Le      | Level  |  |
|----------------------------------------------------------------|---------|-----------------|---------|--------|--|
|                                                                | Outward | Inward          | Outward | Inward |  |
| Trade                                                          | 122     | /140            | -       |        |  |
| Merchandise Trade (% of GDP)                                   | 115/139 | 124/140         | 13%     | 19%    |  |
| Services Trade (% of GDP)                                      | 79/140  | 100/140         | 7%      | 6%     |  |
| Capital                                                        | 82      | /90             | -       | -      |  |
| FDI Stock (% of GDP)                                           | 70/133  | 125/140         | 7%      | 14%    |  |
| FDI Flows (% of GFCF)                                          | 80/131  | 109/138         | 1%      | 6%     |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | 81/82   | 62/81           | 0%      | 9%     |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 70/84   | 30/86           | 0%      | 1%     |  |
| Information                                                    | 124     | /140            | -       | -      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 120     | 120/140         |         | 25     |  |
| International Phone Calls<br>(Minutes per Capita)              | 117/140 | 123/140         | 15      | 32     |  |
| Printed Publications Trade<br>(USD per Capita)                 | 98/137  | 134/137         | \$0     | \$0    |  |
| People                                                         | 112     | 112/112         |         | -      |  |
| Migrants (% of Population)                                     | 127/139 | <b>126</b> /139 | 1%      | 0%     |  |
| Tourists (Dep./Arr. per Capita)                                | 78/80   | 122/126         | 0.0     | 0.0    |  |
| International Students (% of Tertiary<br>Education Enrollment) | 121/126 | 108/116         | 1%      | 0%     |  |

#### **ROOTED MAP**

#### **INDIA'S MERCHANDISE EXPORTS, 2015**

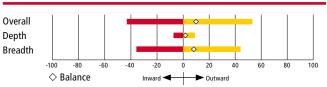


| India's Share of Partners' Imports |     |     |    |    |    |      |         |
|------------------------------------|-----|-----|----|----|----|------|---------|
|                                    | 50% | 10% | 5% | 2% | 1% | 0.5% | unknown |
|                                    |     |     |    |    |    |      |         |

#### BREADTH

|                              | Ra      | Rank           |         | Region |
|------------------------------|---------|----------------|---------|--------|
|                              | Outward | Inward         | Outward | Inward |
| Trade                        | 9/1     | 9/140          |         | -      |
| Merchandise Trade            | 8/139   | 25/138         | 9%      | 1%     |
| Capital                      | 36/     | 36/79          |         | -      |
| FDI Stock                    | 19/88   | 30/111         | 1%      | 0%     |
| FDI Flows                    | 18/77   | 40/99          | 7%      | 0%     |
| Portfolio Equity Stock       | 43/71   |                | 0%      | _      |
| Information                  | 8/8     | 35             | _       |        |
| International Phone Calls    | 15/83   | 2/70           | 29%     | 1%     |
| Printed Publications Trade   | 13/137  | 38/137         | 12%     | 1%     |
| People                       | 38/123  |                | _       | -      |
| Migrants                     | 25/139  | <b>97</b> /136 | 16%     | 97%    |
| Tourists Departures/Arrivals | _       | 15/94          | -       | 23%    |
| International Students       | -       | 42/93          | _       | 40%    |

#### DIRECTIONALITY



| Rank    | Level                             |
|---------|-----------------------------------|
| 112/140 | \$1,617                           |
| 32/140  | 37%                               |
| 63/138  | 5.6                               |
| 2/140   | 1311.1                            |
| _       | No                                |
|         | 112/140       32/140       63/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 70/129  | 4.1   |
| Infrastructure (+)        | 67/128  | 3.8   |
| Press Freedom (+)         | 107/137 | 57    |
| Labor Freedom (+)         | 112/140 | 49    |
| Financial Freedom (+)     | 101/136 | 40    |

| Globalization Policies          |                |       |  |  |  |
|---------------------------------|----------------|-------|--|--|--|
|                                 | Rank           | Level |  |  |  |
| Enabling Trade Index (+)        | 96/128         | 3.6   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | •              | •     |  |  |  |
| Capital Account Openness (+)    | <b>91</b> /134 | 0.2   |  |  |  |
| Visa-Free Travel Outward (+)    | 112/140        | 51    |  |  |  |
| Visa-Free Travel Inward (+)     | 115/127        | 9     |  |  |  |

## **INDONESIA**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 108/140 | 105/140 | -3     | 35/100 | 34/100 | 1      |  |
| Depth              | 132/140 | 134/140 | 2      | 7/50   | 7/50   | 0      |  |
| Breadth            | 51/140  | 50/140  | -1     | 28/50  | 27/50  | 1      |  |
| Trade Pillar       | 78/140  | 80/140  | 2      | 47/100 | 46/100 | 1      |  |
| Capital Pillar     | 63/72   | 63/72   | 0      | 32/100 | 30/100 | 2      |  |
| Information Pillar | 75/85   | 73/85   | -2     | 40/100 | 40/100 | 0      |  |
| People Pillar      | 100/102 | 101/103 | 1      | 20/100 | 19/100 | 1      |  |

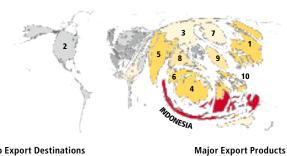
#### **CONNECTEDNESS SCORE TREND** 45 40 35 O 0 þ 30 o 0 25 $2005 \hspace{0.2cm} 2006 \hspace{0.2cm} 2007 \hspace{0.2cm} 2008 \hspace{0.2cm} 2009 \hspace{0.2cm} 2010 \hspace{0.2cm} 2011 \hspace{0.2cm} 2012 \hspace{0.2cm} 2013 \hspace{0.2cm} 2014 \hspace{0.2cm} 2015$

#### DEPTH

|                                                                | Ra      | Rank    |         | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 129     | /140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 99/139  | 130/140 | 17%     | 17%    |
| Services Trade (% of GDP)                                      | 125/140 | 131/140 | 2%      | 4%     |
| Capital                                                        | 74      | /90     | -       | -      |
| FDI Stock (% of GDP)                                           | 83/133  | 105/140 | 4%      | 26%    |
| FDI Flows (% of GFCF)                                          | 64/131  | 105/138 | 2%      | 6%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 68/82   | 40/81   | 1%      | 23%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 60/84   | 59/86   | 0%      | 0%     |
| Information                                                    | 126     | /140    | _       |        |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 114     | /140    | 6,584   |        |
| International Phone Calls<br>(Minutes per Capita)              | 138/140 | 129/140 | 3       | 24     |
| Printed Publications Trade<br>(USD per Capita)                 | 105/137 | 126/137 | \$0     | \$0    |
| People                                                         | 111.    | /112    | -       | -      |
| Migrants (% of Population)                                     | 121/139 | 137/139 | 2%      | 0%     |
| Tourists (Dep./Arr. per Capita)                                | 77/80   | 106/126 | 0.0     | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 122/126 | 108/116 | 1%      | 0%     |

#### **ROOTED MAP**

#### **INDONESIA'S MERCHANDISE EXPORTS, 2015**



#### Top Export Destinations

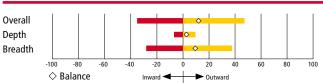
| 100    | Export Destina | cions             |            | inajoi L/   | portribudets          |
|--------|----------------|-------------------|------------|-------------|-----------------------|
| 1. Ja  | pan (12%)      | 6. Malays         | sia (5%)   | Mineral f   | uels, animal or       |
| 2. U.  | S.A. (11%)     | 7. South          | Korea (5%) | vegetable   | e fats including palm |
| 3. Cł  | nina (10%)     | 8. Thailar        | nd (4%)    | oil, electr | ical machinery,       |
| 4. Siı | ngapore (8%)   | 9. Taiwar         | າ (3%)     | rubber, m   | achinery and          |
| 5. In  | dia (8%)       | 10. Philipp       | ines (3%)  | mechanic    | al appliance parts    |
|        |                |                   |            |             |                       |
|        | Indonesia's Sl | nare of Partners' | Imports    |             |                       |
|        | F0/            | 20/ 20/           | 10/ 0.5    | 0/ 0.20/    | and the second        |

#### 0.2% unknown 0.5% 1%

#### **BREADTH**

|                              | Ra      | Rank   |         | % Same Region |  |
|------------------------------|---------|--------|---------|---------------|--|
|                              | Outward | Inward | Outward | Inward        |  |
| Trade                        | 24/     | 24/140 |         | -             |  |
| Merchandise Trade            | 26/139  | 38/138 | 57%     | 71%           |  |
| Capital                      | 58/     | /79    | -       | -             |  |
| FDI Stock                    | •       | 60/111 | •       | 49%           |  |
| FDI Flows                    | •       | 54/99  | •       | 75%           |  |
| Portfolio Equity Stock       | 53/71   | _      | 80%     | _             |  |
| Information                  | 32      | /85    | -       | -             |  |
| International Phone Calls    | 16/83   | 50/70  | 76%     | 93%           |  |
| Printed Publications Trade   | 9/137   | 83/137 | 35%     | 52%           |  |
| People                       | 77/     | 77/123 |         | -             |  |
| Migrants                     | 89/139  | 49/136 | 41%     | 69%           |  |
| Tourists Departures/Arrivals | _       | 55/94  | _       | 78%           |  |
| International Students       | _       | 72/93  | _       | 98%           |  |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 99/140  | \$3,362 |
| Linguistic Commonality (+) | 108/140 | 0%      |
| Remoteness (-)             | 20/138  | 7.3     |
| Population (-)             | 4/140   | 257.6   |
| Landlocked (-)             | -       | No      |
|                            |         |         |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 62/129  | 4.2   |
| Infrastructure (+)        | 59/128  | 3.9   |
| Press Freedom (+)         | 109/137 | 57    |
| Labor Freedom (+)         | 112/140 | 49    |
| Financial Freedom (+)     | 38/136  | 60    |

| Globalization Policies |                                       |  |  |  |  |
|------------------------|---------------------------------------|--|--|--|--|
| Rank                   | Level                                 |  |  |  |  |
| 56/128                 | 4.2                                   |  |  |  |  |
| 69/120                 | 2.3                                   |  |  |  |  |
| 80/134                 | 0.4                                   |  |  |  |  |
| 105/140                | 55                                    |  |  |  |  |
| 24/127                 | 53                                    |  |  |  |  |
|                        | 56/128<br>69/120<br>80/134<br>105/140 |  |  |  |  |

# **IRAN, ISLAMIC REPUBLIC**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |  |
| Overall            | 133/140 | 137/140 | 4      | 18/100 | 19/100 | -1     |  |  |
| Depth              | 140/140 | 139/140 | -1     | 3/50   | 5/50   | -2     |  |  |
| Breadth            | 109/140 | 102/140 | -7     | 14/50  | 14/50  | 0      |  |  |
| Trade Pillar       | 133/140 | 136/140 | 3      | 20/100 | 23/100 | -3     |  |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |  |
| Information Pillar | •       | •       | •      | •      | •      |        |  |  |
| People Pillar      | •       | •       | •      | •      | •      | •      |  |  |

#### **CONNECTEDNESS SCORE TREND** 40 35 35 30 25 20 15 -0 0 -0 0 0 10

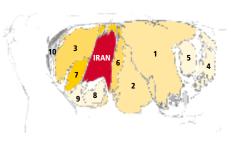
 $2005 \ \ 2006 \ \ 2007 \ \ 2008 \ \ 2009 \ \ 2010 \ \ 2011 \ \ 2012 \ \ 2013 \ \ 2014 \ \ 2015$ 

#### DEPTH

|                                                                | Ra      | Rank    |         | Level  |  |
|----------------------------------------------------------------|---------|---------|---------|--------|--|
|                                                                | Outward | Inward  | Outward | Inward |  |
| Trade                                                          | 135     | /140    | -       | -      |  |
| Merchandise Trade (% of GDP)                                   | 102/139 | 137/140 | 16%     | 11%    |  |
| Services Trade (% of GDP)                                      | 126/140 | 130/140 | 2%      | 4%     |  |
| Capital                                                        |         |         | -       | -      |  |
| FDI Stock (% of GDP)                                           | 117/133 | 131/140 | 1%      | 12%    |  |
| FDI Flows (% of GFCF)                                          | 105/131 | 129/138 | 0%      | 2%     |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       | •      |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | •       | •       | •      |  |
| Information                                                    | 117     | /140    |         | _      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 110     | /140    | 8,5     | 502    |  |
| International Phone Calls<br>(Minutes per Capita)              | 120/140 | 132/140 | 13      | 20     |  |
| Printed Publications Trade<br>(USD per Capita)                 | 91/137  | 131/137 | \$0     | \$0    |  |
| People                                                         |         |         |         | -      |  |
| Migrants (% of Population)                                     | 124/139 | 77/139  | 1%      | 3%     |  |
| Tourists (Dep./Arr. per Capita)                                | •       | •       | •       |        |  |
| International Students (% of Tertiary<br>Education Enrollment) | 105/126 | 100/116 | 1%      | 0%     |  |

#### **ROOTED MAP**

#### **IRAN'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations** 1. China (22%) 6. Pakistan (3%) 2. Inc 3. Tu 4. Ja

| 2. India (10%)      | 7. Syria (3%)        | pe |
|---------------------|----------------------|----|
| 3. Turkey (8%)      | 8. U.A.E. (2%)       | an |
| 4. Japan (4%)       | 9. Saudi Arabia (2%) |    |
| 5. South Korea (3%) | 10. Italy (1%)       |    |
|                     |                      |    |

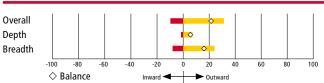
#### **Major Export Products** Petroleum, chemical and etrochemical products, fruits nd nuts, carpets, cement, ore

| Iran's | s Share | of Partn | ers' Impo | orts |      |       |         |
|--------|---------|----------|-----------|------|------|-------|---------|
|        | 4%      | 2%       | 1%        | 0.3% | 0.1% | 0.05% | unknown |
|        |         |          |           |      |      |       |         |

#### **BREADTH**

|                              | Rank    |         | % Same  | % Same Region |  |
|------------------------------|---------|---------|---------|---------------|--|
|                              | Outward | Inward  | Outward | Inward        |  |
| Trade                        | 104     | /140    | -       | -             |  |
| Merchandise Trade            | 89/139  | 116/138 | 12%     | 42%           |  |
| Capital                      |         |         | -       | -             |  |
| FDI Stock                    |         |         | •       |               |  |
| FDI Flows                    | 56/77   | •       | 3%      | •             |  |
| Portfolio Equity Stock       | •       | _       | •       |               |  |
| Information                  |         |         | _       | -             |  |
| International Phone Calls    | •       | · ·     | •       | •             |  |
| Printed Publications Trade   | 122/137 | 93/137  | 88%     | 25%           |  |
| People                       | 87/123  |         | -       | -             |  |
| Migrants                     | 10/139  | 123/136 | 6%      | 3%            |  |
| Tourists Departures/Arrivals | _       | •       | _       | •             |  |
| International Students       | -       | 76/93   | _       | 15%           |  |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |         |  |  |  |  |
|----------------------------|--------|---------|--|--|--|--|
|                            | Rank   | Level   |  |  |  |  |
| GDP per Capita (+)         | 84/140 | \$4,877 |  |  |  |  |
| Linguistic Commonality (+) | 98/140 | 0%      |  |  |  |  |
| Remoteness (-)             | 83/138 | 4.5     |  |  |  |  |
| Population (-)             | 17/140 | 79.1    |  |  |  |  |
| Landlocked (-)             |        | No      |  |  |  |  |
|                            |        |         |  |  |  |  |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 117/129 | 3.4   |
| Infrastructure (+)        | 88/128  | 3.4   |
| Press Freedom (+)         | 135/137 | 16    |
| Labor Freedom (+)         | 104/140 | 51    |
| Financial Freedom (+)     | 136/136 | 10    |

| Globalization Policies          |         |       |  |  |  |
|---------------------------------|---------|-------|--|--|--|
|                                 | Rank    | Level |  |  |  |
| Enabling Trade Index (+)        | 121/128 | 3.0   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | •       | •     |  |  |  |
| Capital Account Openness (+)    | 89/134  | 0.3   |  |  |  |
| Visa-Free Travel Outward (+)    | 136/140 | 37    |  |  |  |
| Visa-Free Travel Inward (+)     | 36/127  | 37    |  |  |  |

# **IRELAND**

#### **KEY SCORES AND TRENDS**

|                    |        | Rank           |        |        | Score  |        |  |
|--------------------|--------|----------------|--------|--------|--------|--------|--|
|                    | 2015   | 2013           | Change | 2015   | 2013   | Change |  |
| Overall            | 3/140  | 4/140          | 1      | 84/100 | 82/100 | 2      |  |
| Depth              | 4/140  | 7/140          | 3      | 45/50  | 44/50  | 1      |  |
| Breadth            | 20/140 | <b>19</b> /140 | -1     | 38/50  | 38/50  | 0      |  |
| Trade Pillar       | 15/140 | 18/140         | 3      | 71/100 | 70/100 | 1      |  |
| Capital Pillar     | 2/72   | 2/72           | 0      | 97/100 | 96/100 | 1      |  |
| Information Pillar | 19/85  | 21/85          | 2      | 73/100 | 72/100 | 1      |  |
| People Pillar      | 5/102  | 5/103          | 0      | 83/100 | 83/100 | 0      |  |

# CONNECTEDNESS SCORE TREND

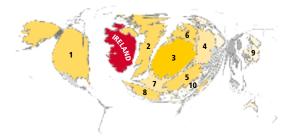
| 85 | 0-   | <u> </u> | -0-        |      |      | ~    |      | ~    |            | -0-  | <b>—</b> 0 |
|----|------|----------|------------|------|------|------|------|------|------------|------|------------|
| 80 |      |          | - <b>-</b> | ~    | ~~   | ~    | -0-  | _0_  | - <b>-</b> |      |            |
| 75 |      |          |            |      |      |      |      |      |            |      |            |
| 70 |      |          |            |      |      |      |      |      |            |      |            |
|    | 2005 | 2006     | 2007       | 2008 | 2009 | 2010 | 2011 | 2012 | 2013       | 2014 | 2015       |

#### DEPTH

|                                                                | Rank    |        | Le      | vel    |
|----------------------------------------------------------------|---------|--------|---------|--------|
|                                                                | Outward | Inward | Outward | Inward |
| Trade                                                          | 29/     | 140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 21/139  | 78/140 | 51%     | 30%    |
| Services Trade (% of GDP)                                      | 4/140   | 3/140  | 54%     | 64%    |
| Capital                                                        | 2/9     | 90     | -       | _      |
| FDI Stock (% of GDP)                                           | 4/133   | 9/140  | 333%    | 183%   |
| FDI Flows (% of GFCF)                                          | 3/131   | 4/138  | 117%    | 121%   |
| Portfolio Equity Stock (% of Mkt Cap)                          | 4/82    | 2/81   | 652%    | 1786%  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 3/84    | 2/86   | 48%     | 119%   |
| Information                                                    | 6/1     | 40     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 20/     | 140    | 155     | ,521   |
| International Phone Calls<br>(Minutes per Capita)              | 13/140  | 10/140 | 542     | 572    |
| Printed Publications Trade<br>(USD per Capita)                 | 19/137  | 11/137 | \$39    | \$66   |
| People                                                         | 9/1     | 12     | -       | -      |
| Migrants (% of Population)                                     | 22/139  | 23/139 | 19%     | 16%    |
| Tourists (Dep./Arr. per Capita)                                | •       | 13/126 | •       | 1.9    |
| International Students (% of Tertiary<br>Education Enrollment) | 23/126  | 38/116 | 10%     | 5%     |

#### **ROOTED MAP**

#### **IRELAND'S MERCHANDISE EXPORTS, 2015**



# Top Export Destinations 1. U.S.A. (24%) 6. Netherlands (4%) 2. U.K. (14%) 7. France (4%) 3. Belgium (13%) 8. Spain (3%) 4. Germany (7%) 9. Japan (3%) 5. Switzerland (6%) 10. Italy (2%)

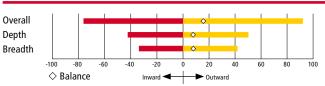
Major Export Products Machinery and equipment, computers, chemicals, medical devices, pharmaceuticals, foodstuffs, animal products

| Ireland's Share of Partners' Imports |    |    |       |      |      |      |         |  |  |
|--------------------------------------|----|----|-------|------|------|------|---------|--|--|
|                                      | 3% | 1% | 0.75% | 0.5% | 0.2% | 0.1% | unknown |  |  |
|                                      |    |    |       |      |      |      |         |  |  |

#### BREADTH

|                              | Ra      | nk      | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 41/     | 140     | -       | -      |
| Merchandise Trade            | 25/139  | 61/138  | 60%     | 71%    |
| Capital                      | 4/      | 79      | -       | -      |
| FDI Stock                    | 17/88   | 8/111   | 73%     | 77%    |
| FDI Flows                    | •       | •       | •       | •      |
| Portfolio Equity Stock       | 3/71    |         | 43%     | _      |
| Information                  | 39      | /85     | -       | -      |
| International Phone Calls    | 28/83   | 41/70   | 86%     | 85%    |
| Printed Publications Trade   | 11/137  | 103/137 | 62%     | 88%    |
| People                       | 20/     | 20/123  |         | -      |
| Migrants                     | 46/139  | 24/136  | 66%     | 76%    |
| Tourists Departures/Arrivals | _       | 35/94   | _       | 86%    |
| International Students       | _       | 11/93   | _       | 36%    |

#### DIRECTIONALITY



| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 9/140   | \$51,351 |
| Linguistic Commonality (+) | 25/140  | 39%      |
| Remoteness (-)             | 126/138 | 2.5      |
| Population (-)             | 102/140 | 4.7      |
| Landlocked (-)             | _       | No       |
|                            |         |          |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 20/129 | 5.1   |
| Infrastructure (+)        | 27/128 | 4.9   |
| Press Freedom (+)         | 11/137 | 95    |
| Labor Freedom (+)         | 30/140 | 76    |
| Financial Freedom (+)     | 18/136 | 70    |

| Globalization Policies          |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 25/128 | 4.8   |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |
| Capital Account Openness (+)    | 1/134  | 1.0   |
| Visa-Free Travel Outward (+)    | 19/140 | 169   |
| Visa-Free Travel Inward (+)     | 64/127 | 24    |

|                    |        | Rank           |        |        | Score  |        |  |
|--------------------|--------|----------------|--------|--------|--------|--------|--|
|                    | 2015   | 2013           | Change | 2015   | 2013   | Change |  |
| Overall            | 15/140 | 18/140         | 3      | 70/100 | 69/100 | 1      |  |
| Depth              | 62/140 | 65/140         | 3      | 28/50  | 28/50  | 0      |  |
| Breadth            | 9/140  | 10/140         | 1      | 42/50  | 41/50  | 1      |  |
| Trade Pillar       | 32/140 | 22/140         | -10    | 62/100 | 65/100 | -3     |  |
| Capital Pillar     | 21/72  | 24/72          | 3      | 66/100 | 62/100 | 4      |  |
| Information Pillar | 5/85   | 7/85           | 2      | 84/100 | 85/100 | -1     |  |
| People Pillar      | 15/102 | <b>11</b> /103 | -4     | 78/100 | 79/100 | -1     |  |

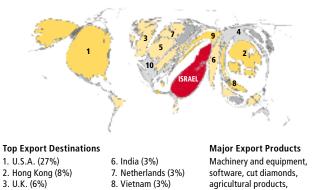
# CONNECTEDNESS SCORE TREND

#### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 96/     | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 80/139  | 114/140 | 22%     | 22%    |
| Services Trade (% of GDP)                                      | 51/140  | 84/140  | 12%     | 7%     |
| Capital                                                        | 19/     | 90      | -       | -      |
| FDI Stock (% of GDP)                                           | 34/133  | 83/140  | 30%     | 35%    |
| FDI Flows (% of GFCF)                                          | 28/131  | 42/138  | 11%     | 18%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 40/82   | 18/81   | 26%     | 43%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 37/84   | 20/86   | 2%      | 2%     |
| Information                                                    | 32/     | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 44/     | 140     | 89,     | 638    |
| International Phone Calls<br>(Minutes per Capita)              | 39/140  | 31/140  | 234     | 270    |
| Printed Publications Trade<br>(USD per Capita)                 | 34/137  | 59/137  | \$12    | \$8    |
| People                                                         | 56/     | 112     | -       | _      |
| Migrants (% of Population)                                     | 90/139  | 15/139  | 4%      | 25%    |
| Tourists (Dep./Arr. per Capita)                                | 20/80   | 60/126  | 0.7     | 0.4    |
| International Students (% of Tertiary<br>Education Enrollment) | 66/126  | 81/116  | 4%      | 1%     |

#### **ROOTED MAP**

#### ISRAEL'S MERCHANDISE EXPORTS, 2015



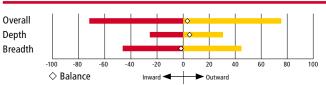
| 3. U.K. (6%)    | 8. Vietnam (3%) | agricultural products,          |
|-----------------|-----------------|---------------------------------|
| 4. China (5%)   | 9. Turkey (3%)  | chemicals, textiles and apparel |
| 5. Belgium (4%) | 10. France (3%) |                                 |
| In the Channel  | f D / I         |                                 |

| Israel's Share of Partners' Imports |     |        |        |        |        |          |    |  |  |  |
|-------------------------------------|-----|--------|--------|--------|--------|----------|----|--|--|--|
| 1                                   | % 0 | .8% 0. | 4% 0.3 | 3% 0.2 | 2% 0.1 | % unknov | vn |  |  |  |
|                                     |     |        |        |        |        |          |    |  |  |  |

#### BREADTH

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 8/1     | 40     | -       | -      |
| Merchandise Trade            | 17/139  | 18/138 | 0%      | 1%     |
| Capital                      | 27/     | 79     | -       | -      |
| FDI Stock                    | 18/88   | •      | 0%      | 0%     |
| FDI Flows                    | 21/77   | •      | 0%      | •      |
| Portfolio Equity Stock       | 35/71   |        | 0%      | _      |
| Information                  | 4/8     | 85     | _       | -      |
| International Phone Calls    | •       | 8/70   |         | 0%     |
| Printed Publications Trade   | 19/137  | 3/137  | 0%      | 0%     |
| People                       | 3/1     | 3/123  |         | -      |
| Migrants                     | 4/139   |        | 19%     |        |
| Tourists Departures/Arrivals | _       | 5/94   | _       | 1%     |
| International Students       | -       | •      | _       | •      |

#### DIRECTIONALITY



| Rank   | Level                      |
|--------|----------------------------|
| 24/140 | \$35,343                   |
| 28/140 | 39%                        |
| 88/138 | 4.3                        |
| 85/140 | 8.1                        |
| _      | No                         |
|        | 24/140<br>28/140<br>88/138 |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 40/129 | 4.5   |
| Infrastructure (+)        | 30/128 | 4.8   |
| Press Freedom (+)         | 81/137 | 68    |
| Labor Freedom (+)         | 52/140 | 67    |
| Financial Freedom (+)     | 18/136 | 70    |

| <b>Globalization Policies</b>   |         |       |
|---------------------------------|---------|-------|
|                                 | Rank    | Level |
| Enabling Trade Index (+)        | 29/128  | 4.7   |
| Tariffs (Wtd. Mean Applied) (-) | 113/120 | 1.0   |
| Capital Account Openness (+)    | 1/134   | 1.0   |
| Visa-Free Travel Outward (+)    | 44/140  | 145   |
| Visa-Free Travel Inward (+)     | 47/127  | 29    |

# ITALY

#### **KEY SCORES AND TRENDS**

|                    |        | Rank           |        |                | Score  |        |
|--------------------|--------|----------------|--------|----------------|--------|--------|
|                    | 2015   | 2013           | Change | 2015           | 2013   | Change |
| Overall            | 25/140 | 24/140         | -1     | 66/100         | 65/100 | 1      |
| Depth              | 71/140 | 71/140         | 0      | 27/50          | 26/50  | 1      |
| Breadth            | 15/140 | 15/140         | 0      | 39/50          | 39/50  | 0      |
| Trade Pillar       | 43/140 | 45/140         | 2      | <b>59</b> /100 | 58/100 | 1      |
| Capital Pillar     | 27/72  | 25/72          | -2     | 60/100         | 60/100 | 0      |
| Information Pillar | 11/85  | 12/85          | 1      | 80/100         | 80/100 | 0      |
| People Pillar      | 14/102 | <b>16</b> /103 | 2      | <b>79</b> /100 | 78/100 | 1      |

#### **CONNECTEDNESS SCORE TREND**

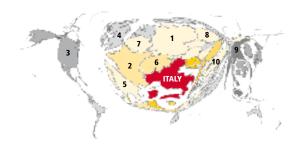
| 65<br>60 | <u> </u> | _0_ | -0- | -0-  |      | _0_  | -0-  | -0-  | -0-  | 0    |
|----------|----------|-----|-----|------|------|------|------|------|------|------|
| 50       |          |     |     | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 99/     | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 72/139  | 111/140 | 25%     | 23%    |
| Services Trade (% of GDP)                                      | 93/140  | 107/140 | 5%      | 5%     |
| Capital                                                        | 20/     | /90     | -       | -      |
| FDI Stock (% of GDP)                                           | 39/133  | 115/140 | 26%     | 18%    |
| FDI Flows (% of GFCF)                                          | 41/131  | 104/138 | 8%      | 7%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 13/82   | 25/81   | 95%     | 36%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 8/84    | 12/86   | 12%     | 3%     |
| Information                                                    | 39/     | 140     | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 48/     | 140     | 77,     | 322    |
| International Phone Calls<br>(Minutes per Capita)              | 36/140  | 72/140  | 243     | 145    |
| Printed Publications Trade<br>(USD per Capita)                 | 28/137  | 49/137  | \$21    | \$11   |
| People                                                         | 49/     | 112     | -       | _      |
| Migrants (% of Population)                                     | 81/139  | 45/139  | 5%      | 10%    |
| Tourists (Dep./Arr. per Capita)                                | 33/80   | 34/126  | 0.5     | 0.8    |
| International Students (% of Tertiary<br>Education Enrollment) | 82/126  | 41/116  | 2%      | 5%     |

#### **ROOTED MAP**

#### **ITALY'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations** 1. G

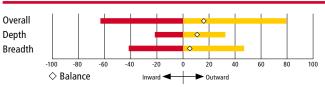
| Top Export Destina | ations                  | Major Export Products                 |
|--------------------|-------------------------|---------------------------------------|
| 1. Germany (12%)   | 6. Switzerland (5%)     | Engineering products, textiles and    |
| 2. France (10%)    | 7. Belgium (4%)         | clothing, production machinery,       |
| 3. U.S.A. (9%)     | 8. Poland (3%)          | motor vehicles, transport equipment,  |
| 4. U.K. (5%)       | 9. China (3%)           | chemicals, foodstuffs, beverages, and |
| 5. Spain (5%)      | 10. Turkey (2%)         | tobacco, minerals, nonferrous metals  |
| ltalu'a Chava      | of Doute out/ Ince outo |                                       |

| italy s Shar | e of Parth | iers imp | orts |    |    |         |
|--------------|------------|----------|------|----|----|---------|
| 12%          | 10%        | 8%       | 4%   | 2% | 1% | unknown |
|              |            |          |      |    |    |         |
|              |            |          |      |    |    |         |

#### **BREADTH**

|                              | Ra      | Rank   |         | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 12/     | 12/140 |         | -      |
| Merchandise Trade            | 12/139  | 29/138 | 64%     | 67%    |
| Capital                      | 39      | /79    | -       | -      |
| FDI Stock                    | 11/88   | 27/111 | 75%     | 95%    |
| FDI Flows                    | 14/77   | 11/99  | 55%     | 84%    |
| Portfolio Equity Stock       | 54/71   |        | 94%     | _      |
| Information                  | 10      | /85    | -       | -      |
| International Phone Calls    | 3/83    | 21/70  | 58%     | 82%    |
| Printed Publications Trade   | 3/137   | 17/137 | 84%     | 81%    |
| People                       | 5/1     | 5/123  |         | -      |
| Migrants                     | 17/139  | 7/136  | 58%     | 54%    |
| Tourists Departures/Arrivals | _       | 8/94   | _       | 84%    |
| International Students       | _       | 12/93  | _       | 50%    |

#### DIRECTIONALITY



| Rank    | Level                       |
|---------|-----------------------------|
| 26/140  | \$29,867                    |
| 92/140  | 1%                          |
| 112/138 | 3.0                         |
| 22/140  | 59.8                        |
| _       | No                          |
|         | 26/140<br>92/140<br>112/138 |

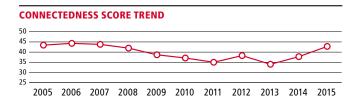
| General Policies/Environment |        |     |  |  |  |
|------------------------------|--------|-----|--|--|--|
| Rank Lev                     |        |     |  |  |  |
| Operating Environment (+)    | 62/129 | 4.2 |  |  |  |
| Infrastructure (+)           | 30/128 | 4.8 |  |  |  |
| Press Freedom (+)            | 61/137 | 74  |  |  |  |
| Labor Freedom (+)            | 92/140 | 55  |  |  |  |
| Financial Freedom (+)        | 38/136 | 60  |  |  |  |

| Globalization Policies          |        |       |  |  |  |
|---------------------------------|--------|-------|--|--|--|
|                                 | Rank   | Level |  |  |  |
| Enabling Trade Index (+)        | 45/128 | 4.3   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |  |  |  |
| Capital Account Openness (+)    | 1/134  | 1.0   |  |  |  |
| Visa-Free Travel Outward (+)    | 6/140  | 171   |  |  |  |
| Visa-Free Travel Inward (+)     | 96/127 | 22    |  |  |  |

# JAMAICA

#### **KEY SCORES AND TRENDS**

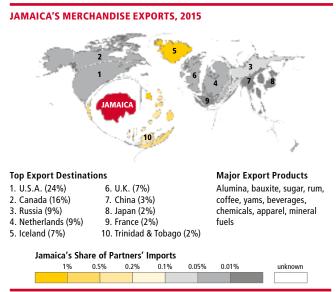
|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 85/140  | 107/140 | 22     | 43/100 | 34/100 | 9      |  |
| Depth              | 69/140  | 81/140  | 12     | 27/50  | 25/50  | 2      |  |
| Breadth            | 100/140 | 119/140 | 19     | 16/50  | 9/50   | 7      |  |
| Trade Pillar       | 101/140 | 118/140 | 17     | 39/100 | 33/100 | 6      |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | •       | •       | •      | •      | •      | •      |  |
| People Pillar      | •       | •       | •      | •      | •      | •      |  |



#### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 78/     | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 127/139 | 57/140  | 9%      | 36%    |
| Services Trade (% of GDP)                                      | 22/140  | 24/140  | 21%     | 15%    |
| Capital                                                        | 40/     | '90     | -       | -      |
| FDI Stock (% of GDP)                                           | 96/133  | 17/140  | 2%      | 101%   |
| FDI Flows (% of GFCF)                                          | 124/131 | 25/138  | -1%     | 26%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 54/82   | 17/81   | 11%     | 46%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 62/84   | 13/86   | 0%      | 3%     |
| Information                                                    | 55/     | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 105     | /140    | 13,     | 261    |
| International Phone Calls<br>(Minutes per Capita)              | 17/140  | 14/140  | 462     | 520    |
| Printed Publications Trade<br>(USD per Capita)                 | 74/137  | 31/137  | \$1     | \$20   |
| People                                                         |         |         | -       | -      |
| Migrants (% of Population)                                     | 5/139   | 113/139 | 38%     | 1%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 38/126  | •       | 0.7    |
| International Students (% of Tertiary<br>Education Enrollment) | 50/126  | · ·     | 5%      |        |

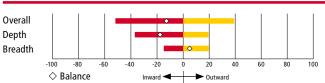
#### **ROOTED MAP**



#### **BREADTH**

|                              | Ra      | nk      | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 101     | /140    | -       | -      |
| Merchandise Trade            | 92/139  | 104/138 | 11%     | 34%    |
| Capital                      |         |         | -       | -      |
| FDI Stock                    | •       | •       | •       | •      |
| FDI Flows                    | •       | •       | •       | •      |
| Portfolio Equity Stock       |         |         | ·       | _      |
| Information                  |         |         | -       | -      |
| International Phone Calls    | •       | •       | •       | •      |
| Printed Publications Trade   | 94/137  | 80/137  | 53%     | 9%     |
| People                       | 89/     | 89/123  |         | -      |
| Migrants                     | 81/139  | 85/136  | 3%      | 35%    |
| Tourists Departures/Arrivals | _       | 68/94   | _       | 4%     |
| International Students       | _       | · .     | _       | •      |

#### DIRECTIONALITY



| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 83/140  | \$4,948 |
| Linguistic Commonality (+) | 15/140  | 39%     |
| Remoteness (-)             | 66/138  | 5.6     |
| Population (-)             | 117/140 | 2.8     |
| Landlocked (-)             | _       | No      |
|                            |         |         |

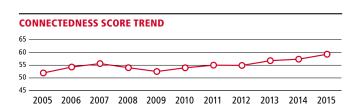
|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 90/129 | 3.8   |
| Infrastructure (+)        | 72/128 | 3.7   |
| Press Freedom (+)         | 9/137  | 95    |
| Labor Freedom (+)         | 29/140 | 77    |
| Financial Freedom (+)     | 68/136 | 50    |

| Rank   | Level                      |
|--------|----------------------------|
| 75/128 | 3.9                        |
| •      | •                          |
| 60/134 | 0.7                        |
| 78/140 | 76                         |
| 27/127 | 50                         |
|        | 75/128<br>60/134<br>78/140 |

# JAPAN

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |                | Score  |        |  |
|--------------------|---------|---------|--------|----------------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015           | 2013   | Change |  |
| Overall            | 38/140  | 39/140  | 1      | <b>59</b> /100 | 57/100 | 2      |  |
| Depth              | 108/140 | 115/140 | 7      | 16/50          | 14/50  | 2      |  |
| Breadth            | 5/140   | 6/140   | 1      | 44/50          | 43/50  | 1      |  |
| Trade Pillar       | 63/140  | 69/140  | 6      | 52/100         | 49/100 | 3      |  |
| Capital Pillar     | 22/72   | 22/72   | 0      | 65/100         | 62/100 | 3      |  |
| Information Pillar | 22/85   | 22/85   | 0      | 71/100         | 72/100 | -1     |  |
| People Pillar      | •       | •       | •      | •              | •      | •      |  |

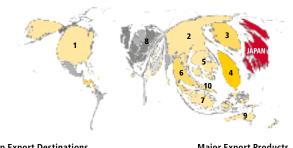


#### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 131     | /140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 108/139 | 132/140 | 15%     | 16%    |
| Services Trade (% of GDP)                                      | 113/140 | 122/140 | 4%      | 4%     |
| Capital                                                        | 49/     | /90     | -       | _      |
| FDI Stock (% of GDP)                                           | 35/133  | 137/140 | 30%     | 4%     |
| FDI Flows (% of GFCF)                                          | 24/131  | 135/138 | 13%     | 0%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 41/82   | 30/81   | 26%     | 31%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 46/84   | 24/86   | 1%      | 1%     |
| Information                                                    | 78/     | 140     | -       |        |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 58/     | 140     | 62,     | 618    |
| International Phone Calls<br>(Minutes per Capita)              | 57/140  | 125/140 | 109     | 30     |
| Printed Publications Trade<br>(USD per Capita)                 | 56/137  | 68/137  | \$3     | \$6    |
| People                                                         |         |         | -       | -      |
| Migrants (% of Population)                                     | 136/139 | 100/139 | 1%      | 2%     |
| Tourists (Dep./Arr. per Capita)                                | •       | •       | •       |        |
| International Students (% of Tertiary<br>Education Enrollment) | 112/126 | 52/116  | 1%      | 4%     |

#### **ROOTED MAP**

#### **JAPAN'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

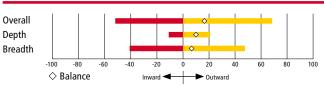
Major Export Products Motor vehicles, iron and steel products, semiconductors, auto parts, power generating machinery, plastic materials

| 15% | 10% | 5% 4% | 3% | 2% | unknown |
|-----|-----|-------|----|----|---------|
|-----|-----|-------|----|----|---------|

#### BREADTH

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 7/1     | 40     | -       | -      |
| Merchandise Trade            | 14/139  | 19/138 | 54%     | 54%    |
| Capital                      | 14      | 79     | -       | -      |
| FDI Stock                    | 10/88   | 13/111 | 35%     | 17%    |
| FDI Flows                    | 7/77    | 28/99  | 38%     | 13%    |
| Portfolio Equity Stock       | 14/71   |        | 7%      | _      |
| Information                  | 12      | /85    | -       | -      |
| International Phone Calls    | 7/83    | 17/70  | 57%     | 73%    |
| Printed Publications Trade   | 23/137  | 10/137 | 67%     | 54%    |
| People                       | 15/     | 123    | -       | -      |
| Migrants                     | 5/139   | 51/136 | 21%     | 79%    |
| Tourists Departures/Arrivals | -       | •      | _       | •      |
| International Students       | -       | 18/93  | -       | 89%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 25/140  | \$32,486 |
| Linguistic Commonality (+) | 108/140 | 0%       |
| Remoteness (-)             | 69/138  | 5.3      |
| Population (-)             | 11/140  | 126.6    |
| Landlocked (-)             | -       | No       |
|                            |         |          |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 20/129 | 5.1   |
| Infrastructure (+)        | 5/128  | 5.9   |
| Press Freedom (+)         | 49/137 | 75    |
| Labor Freedom (+)         | 8/140  | 90    |
| Financial Freedom (+)     | 68/136 | 50    |

| Rank    | Level                              |
|---------|------------------------------------|
| 8/128   | 5.1                                |
| 109/120 | 1.2                                |
| 1/134   | 1.0                                |
| 6/140   | 171                                |
| 104/127 | 20                                 |
|         | 8/128<br>109/120<br>1/134<br>6/140 |

- Not Applicable

Data Not Available

|                    |        | Rank   |        |                | Score  |        |  |
|--------------------|--------|--------|--------|----------------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015           | 2013   | Change |  |
| Overall            | 58/140 | 60/140 | 2      | 50/100         | 49/100 | 1      |  |
| Depth              | 61/140 | 55/140 | -6     | 28/50          | 29/50  | -1     |  |
| Breadth            | 69/140 | 74/140 | 5      | 22/50          | 20/50  | 2      |  |
| Trade Pillar       | 37/140 | 31/140 | -6     | <b>61</b> /100 | 62/100 | -1     |  |
| Capital Pillar     | •      | •      | •      | •              | •      | •      |  |
| Information Pillar | 69/85  | 75/85  | 6      | 45/100         | 40/100 | 5      |  |
| People Pillar      | 53/102 | 50/103 | -3     | 52/100         | 53/100 | -1     |  |

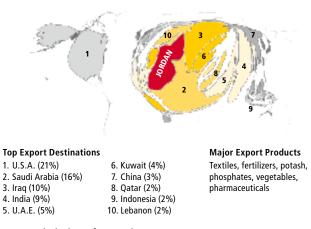
#### CONNECTEDNESS SCORE TREND 60 55 50 45 45

#### DEPTH

|                                                                | Ra      | nk     | Le      | vel    |
|----------------------------------------------------------------|---------|--------|---------|--------|
|                                                                | Outward | Inward | Outward | Inward |
| Trade                                                          | 41/     | 140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 85/139  | 30/140 | 21%     | 54%    |
| Services Trade (% of GDP)                                      | 35/140  | 40/140 | 15%     | 12%    |
| Capital                                                        | 70/     | /90    | -       | -      |
| FDI Stock (% of GDP)                                           | 101/133 | 27/140 | 2%      | 80%    |
| FDI Flows (% of GFCF)                                          | 96/131  | 32/138 | 0%      | 23%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 71/82   | 48/81  | 1%      | 18%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 66/84   | 56/86  | 0%      | 0%     |
| Information                                                    | 63/     | 140    | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 84/     | 140    | 27,524  |        |
| International Phone Calls<br>(Minutes per Capita)              | 32/140  | 71/140 | 277     | 145    |
| Printed Publications Trade<br>(USD per Capita)                 | 50/137  | 61/137 | \$4     | \$8    |
| People                                                         | 26/     | 112    | -       | _      |
| Migrants (% of Population)                                     | 47/139  | 9/139  | 9%      | 41%    |
| Tourists (Dep./Arr. per Capita)                                | 49/80   | 46/126 | 0.2     | 0.5    |
| International Students (% of Tertiary<br>Education Enrollment) | 46/126  | 23/116 | 5%      | 9%     |

#### **ROOTED MAP**

#### **JORDAN'S MERCHANDISE EXPORTS, 2015**



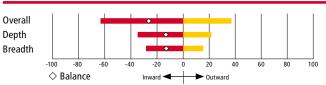
| Jord | an's Sha | re of Pai | rtners' In | nports |       |       |         |
|------|----------|-----------|------------|--------|-------|-------|---------|
|      | 1%       | 0.5%      | 0.2%       | 0.1%   | 0.05% | 0.01% | unknown |
|      |          |           |            |        |       |       |         |

#### BREADTH

0

|                              | Ra      | nk      | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 57/     | 140     | -       | -      |
| Merchandise Trade            | 103/139 | 17/138  | 53%     | 27%    |
| Capital                      |         |         | -       | -      |
| FDI Stock                    | •       | 93/111  | •       | 72%    |
| FDI Flows                    | •       | •       | •       | •      |
| Portfolio Equity Stock       | •       | -       | •       | -      |
|                              |         |         |         |        |
| Information                  | 75      | /85     | -       | -      |
| International Phone Calls    | 75/83   | •       | 91%     | 83%    |
| Printed Publications Trade   | 115/137 | 55/137  | 97%     | 27%    |
|                              |         |         |         |        |
| People                       | 91/     | 123     | -       | -      |
| Migrants                     | 64/139  | 104/136 | 80%     | 98%    |
| Tourists Departures/Arrivals | _       | •       | _       | 69%    |
| International Students       | _       | 70/93   | _       | 87%    |
|                              |         |         |         |        |

#### DIRECTIONALITY



| Rank   | Level                      |
|--------|----------------------------|
| 80/140 | \$5,513                    |
| 78/140 | 3%                         |
| 90/138 | 4.2                        |
| 86/140 | 7.6                        |
| _      | No                         |
|        | 80/140<br>78/140<br>90/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 35/129  | 4.6   |
| Infrastructure (+)        | 59/128  | 3.9   |
| Press Freedom (+)         | 113/137 | 55    |
| Labor Freedom (+)         | 39/140  | 74    |
| Financial Freedom (+)     | 38/136  | 60    |

| <b>Globalization Policies</b>   |         |       |
|---------------------------------|---------|-------|
|                                 | Rank    | Level |
| Enabling Trade Index (+)        | 37/128  | 4.4   |
| Tariffs (Wtd. Mean Applied) (-) | 48/120  | 4.0   |
| Capital Account Openness (+)    | 1/134   | 1.0   |
| Visa-Free Travel Outward (+)    | 125/140 | 44    |
| Visa-Free Travel Inward (+)     | 23/127  | 54    |

# **KAZAKHSTAN**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank           |        |        | Score  |        |
|--------------------|---------|----------------|--------|--------|--------|--------|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |
| Overall            | 60/140  | 47/140         | -13    | 50/100 | 54/100 | -4     |
| Depth              | 84/140  | 82/140         | -2     | 24/50  | 25/50  | -1     |
| Breadth            | 59/140  | 47/140         | -12    | 26/50  | 29/50  | -3     |
| Trade Pillar       | 110/140 | <b>71</b> /140 | -39    | 36/100 | 48/100 | -12    |
| Capital Pillar     | 23/72   | 20/72          | -3     | 65/100 | 65/100 | 0      |
| Information Pillar | 71/85   | 76/85          | 5      | 43/100 | 39/100 | 4      |
| People Pillar      | 47/102  | 48/103         | 1      | 55/100 | 54/100 | 1      |



#### 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

#### DEPTH

|                                                                | Ra      | nk             | Le      | vel    |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 107     | /140           | -       | -      |
| Merchandise Trade (% of GDP)                                   | 65/139  | 127/140        | 26%     | 17%    |
| Services Trade (% of GDP)                                      | 115/140 | 93/140         | 3%      | 7%     |
| Capital                                                        | 32      | /90            | -       | -      |
| FDI Stock (% of GDP)                                           | 50/133  | 37/140         | 14%     | 69%    |
| FDI Flows (% of GFCF)                                          | 49/131  | 43/138         | 5%      | 17%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 28/82   | 52/81          | 50%     | 14%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 14/84   | 73/86          | 6%      | 0%     |
| Information                                                    | 94/     | 140            | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 54/     | 140            | 69,     | 615    |
| International Phone Calls<br>(Minutes per Capita)              | 87/140  | 120/140        | 44      | 35     |
| Printed Publications Trade<br>(USD per Capita)                 | 95/137  | 97/137         | \$0     | \$2    |
| People                                                         | 32/     | 112            | -       | -      |
| Migrants (% of Population)                                     | 13/139  | <b>19</b> /139 | 23%     | 20%    |
| Tourists (Dep./Arr. per Capita)                                | 25/80   | 68/126         | 0.6     | 0.3    |
| International Students (% of Tertiary<br>Education Enrollment) | 42/126  | 79/116         | 6%      | 2%     |

#### **ROOTED MAP**

#### **KAZAKHSTAN'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

1. China (15%) 6. Greece (4%) 2. Russia (12%) 7. Spain (3%) 3. France (9%) 8. Uzbekistan (3%) 4. Germany (8%) 9. Romania (3%) 5. Italy (7%) 10. Turkey (3%)

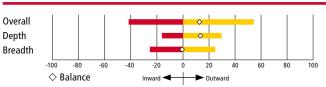
**Major Export Products** Oil and oil products, natural gas, ferrous metals, chemicals, machinery, grain, wool, meat, coal

| Kazakhstan' | s Share o | of Partne | ers' Impo | rts  |      |         |
|-------------|-----------|-----------|-----------|------|------|---------|
| 4%          | 2%        | 1%        | 0.5%      | 0.2% | 0.1% | unknown |
|             |           |           |           |      |      |         |

#### **BREADTH**

|                              | Ra      | nk % Same Regio |         |        |
|------------------------------|---------|-----------------|---------|--------|
|                              | Outward | Inward          | Outward | Inward |
| Trade                        | 80/     | 140             | -       | -      |
| Merchandise Trade            | 69/139  | 93/138          | 14%     | 8%     |
| Capital                      | 20      | /79             | -       | -      |
| FDI Stock                    | 29/88   | 32/111          | 3%      | 1%     |
| FDI Flows                    | 40/77   | 19/99           | 2%      | 1%     |
| Portfolio Equity Stock       | 19/71   |                 | 1%      | _      |
| Information                  | 64      | /85             | _       | -      |
| International Phone Calls    |         | 66/70           | 17%     | 4%     |
| Printed Publications Trade   | 98/137  | 12/137          | 11%     | 11%    |
| People                       | 76/     | 76/123          |         | -      |
| Migrants                     | 119/139 | 70/136          | 2%      | 12%    |
| Tourists Departures/Arrivals | _       | · .             | _       | •      |
| International Students       | _       | 51/93           | _       | 70%    |

#### DIRECTIONALITY



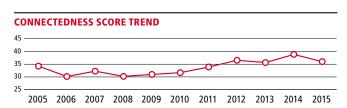
#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |         |
|----------------------------|--------|---------|
|                            | Rank   | Level   |
| GDP per Capita (+)         | 57/140 | \$9,796 |
| Linguistic Commonality (+) | 90/140 | 2%      |
| Remoteness (-)             | 89/138 | 4.2     |
| Population (-)             | 56/140 | 17.6    |
| Landlocked (-)             | _      | Yes     |
|                            |        |         |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 62/129  | 4.2   |
| Infrastructure (+)        | 50/128  | 4.2   |
| Press Freedom (+)         | 126/137 | 41    |
| Labor Freedom (+)         | 10/140  | 87    |
| Financial Freedom (+)     | 68/136  | 50    |

| Globalization Policies          |                |       |  |  |  |  |
|---------------------------------|----------------|-------|--|--|--|--|
|                                 | Rank           | Level |  |  |  |  |
| Enabling Trade Index (+)        | 87/128         | 3.7   |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 56/120         | 3.3   |  |  |  |  |
| Capital Account Openness (+)    | <b>91</b> /134 | 0.2   |  |  |  |  |
| Visa-Free Travel Outward (+)    | <b>91</b> /140 | 65    |  |  |  |  |
| Visa-Free Travel Inward (+)     | 118/127        | 5     |  |  |  |  |

|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 105/140 | 99/140  | -6     | 36/100 | 36/100 | 0      |  |
| Depth              | 117/140 | 122/140 | 5      | 11/50  | 11/50  | 0      |  |
| Breadth            | 62/140  | 59/140  | -3     | 25/50  | 25/50  | 0      |  |
| Trade Pillar       | 107/140 | 99/140  | -8     | 37/100 | 39/100 | -2     |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | 68/85   | 66/85   | -2     | 45/100 | 44/100 | 1      |  |
| People Pillar      | •       | •       | •      | •      | •      | •      |  |

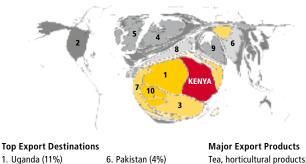


#### DEPTH

|                                                                | Ra             | Rank    |         | Level  |  |
|----------------------------------------------------------------|----------------|---------|---------|--------|--|
|                                                                | Outward        | Inward  | Outward | Inward |  |
| Trade                                                          | 120            | /140    | _       |        |  |
| Merchandise Trade (% of GDP)                                   | 124/139        | 94/140  | 10%     | 26%    |  |
| Services Trade (% of GDP)                                      | 86/140         | 123/140 | 6%      | 4%     |  |
| Capital                                                        | 80             | /90     | -       | -      |  |
| FDI Stock (% of GDP)                                           | 112/133        | 133/140 | 1%      | 10%    |  |
| FDI Flows (% of GFCF)                                          | <b>91</b> /131 | 96/138  | 1%      | 8%     |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | •              | •       | •       | •      |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 67/84          | 11/86   | 0%      | 3%     |  |
| Information                                                    | 104            | /140    |         | _      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 75/            | 140     | 40,     | 067    |  |
| International Phone Calls<br>(Minutes per Capita)              | 107/140        | 124/140 | 25      | 31     |  |
| Printed Publications Trade<br>(USD per Capita)                 | 82/137         | 121/137 | \$1     | \$1    |  |
| People                                                         |                |         | -       | -      |  |
| Migrants (% of Population)                                     | 129/139        | 87/139  | 1%      | 2%     |  |
| Tourists (Dep./Arr. per Capita)                                | •              | 109/126 | •       | 0.0    |  |
| International Students (% of Tertiary<br>Education Enrollment) | •              | •       | · ·     | •      |  |

#### **ROOTED MAP**

#### **KENYA'S MERCHANDISE EXPORTS, 2015**



#### 1. Uganda (11%) 7. Congo, DRC (4%) 8. Egypt (4%) 9. U.A.E. (4%) 2. U.S.A. (8%) 3. Tanzania (8%) 4. Netherlands (7%) 5. U.K. (6%) 10. Rwanda (3%)

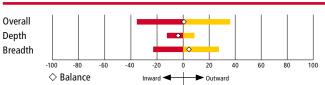
Tea, horticultural products, coffee, petroleum products, fish, cement

| Keny | a's Shar | re of Par | tners' In | ports |      |       |         |
|------|----------|-----------|-----------|-------|------|-------|---------|
|      | 8%       | 2%        | 1%        | 0.5%  | 0.1% | 0.05% | unknown |
|      |          |           |           |       |      |       |         |

#### **BREADTH**

|                              | Rank    |         | % Same  | % Same Region |  |  |
|------------------------------|---------|---------|---------|---------------|--|--|
|                              | Outward | Inward  | Outward | Inward        |  |  |
| Trade                        | 66/     | 140     | -       | -             |  |  |
| Merchandise Trade            | 74/139  | 60/138  | 38%     | 6%            |  |  |
| Capital                      |         |         | -       | -             |  |  |
| FDI Stock                    | •       | 42/111  | ·       | 12%           |  |  |
| FDI Flows                    | •       | 64/99   | ·       | 0%            |  |  |
| Portfolio Equity Stock       | ·       | _       |         | -             |  |  |
| Information                  | 48/     | /85     | _       | -             |  |  |
| International Phone Calls    | 36/83   | •       | 68%     | •             |  |  |
| Printed Publications Trade   | 117/137 | 56/137  | ·       | 8%            |  |  |
| People                       |         |         | _       | -             |  |  |
| Migrants                     | 31/139  | 127/136 | 24%     | 100%          |  |  |
| Tourists Departures/Arrivals | _       | •       | _       | •             |  |  |
| International Students       | _       | · ·     | _       | •             |  |  |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors |                             |  |  |  |  |  |
|--------------------|-----------------------------|--|--|--|--|--|
| Rank               | Level                       |  |  |  |  |  |
| 114/140            | \$1,388                     |  |  |  |  |  |
| 22/140             | 39%                         |  |  |  |  |  |
| 27/138             | 6.8                         |  |  |  |  |  |
| 29/140             | 46.1                        |  |  |  |  |  |
|                    | No                          |  |  |  |  |  |
|                    | 114/140<br>22/140<br>27/138 |  |  |  |  |  |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 83/129 | 3.9   |
| Infrastructure (+)        | 93/128 | 3.3   |
| Press Freedom (+)         | 80/137 | 68    |
| Labor Freedom (+)         | 60/140 | 64    |
| Financial Freedom (+)     | 68/136 | 50    |

| Globalization Policies          |        |       |  |  |  |  |
|---------------------------------|--------|-------|--|--|--|--|
|                                 | Rank   | Level |  |  |  |  |
| Enabling Trade Index (+)        | 87/128 | 3.7   |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 17/120 | 8.9   |  |  |  |  |
| Capital Account Openness (+)    | 60/134 | 0.7   |  |  |  |  |
| Visa-Free Travel Outward (+)    | 82/140 | 70    |  |  |  |  |
| Visa-Free Travel Inward (+)     | 13/127 | 70    |  |  |  |  |

# **KOREA, REPUBLIC**

#### **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |
|--------------------|--------|--------|--------|--------|--------|--------|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |
| Overall            | 18/140 | 13/140 | -5     | 69/100 | 71/100 | -2     |
| Depth              | 79/140 | 70/140 | -9     | 25/50  | 27/50  | -2     |
| Breadth            | 4/140  | 4/140  | 0      | 44/50  | 44/50  | 0      |
| Trade Pillar       | 11/140 | 9/140  | -2     | 75/100 | 78/100 | -3     |
| Capital Pillar     | 24/72  | 19/72  | -5     | 64/100 | 66/100 | -2     |
| Information Pillar | 25/85  | 27/85  | 2      | 68/100 | 67/100 | 1      |
| People Pillar      | •      | •      | •      | •      | •      |        |

#### CONNECTEDNESS SCORE TREND

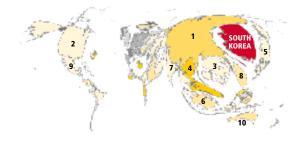
|                |      |      | ~    | _0_  | _0_  | _0-  |      | _0_  | _0_  |      | -0   |
|----------------|------|------|------|------|------|------|------|------|------|------|------|
| 60<br>55<br>50 |      | _0_  | ~    |      |      |      |      |      |      |      |      |
| 50             | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Rank    |                | Le      | vel    |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 55/     | 140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 36/139  | <b>71</b> /140 | 38%     | 32%    |
| Services Trade (% of GDP)                                      | 81/140  | 76/140         | 7%      | 8%     |
| Capital                                                        | 63/     | /90            | -       | -      |
| FDI Stock (% of GDP)                                           | 45/133  | 126/140        | 20%     | 13%    |
| FDI Flows (% of GFCF)                                          | 43/131  | 130/138        | 7%      | 2%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 50/82   | 35/81          | 12%     | 27%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 44/84   | 54/86          | 1%      | 0%     |
| Information                                                    | 80/     | 140            | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 70/     | 140            | 46,     | 764    |
| International Phone Calls<br>(Minutes per Capita)              | 65/140  | 114/140        | 85      | 48     |
| Printed Publications Trade<br>(USD per Capita)                 | 45/137  | 67/137         | \$5     | \$6    |
| People                                                         |         |                | -       | -      |
| Migrants (% of Population)                                     | 85/139  | 81/139         | 5%      | 3%     |
| Tourists (Dep./Arr. per Capita)                                | •       | •              | •       | •      |
| International Students (% of Tertiary<br>Education Enrollment) | 72/126  | 74/116         | 3%      | 2%     |

#### **ROOTED MAP**

#### SOUTH KOREA'S MERCHANDISE EXPORTS, 2015



#### **Top Export Destinations**

| 1. China (26%)    | 6. Singapore (3%)  | Sem  |
|-------------------|--------------------|------|
| 2. U.S.A. (13%)   | 7. India (2%)      | auto |
| 3. Hong Kong (6%) | 8. Taiwan (2%)     | wire |
| 4. Vietnam (5%)   | 9. Mexico (2%)     | flat |
| 5. Japan (5%)     | 10. Australia (2%) | plas |
|                   |                    |      |

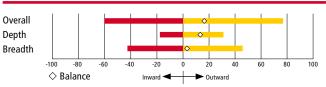
#### Major Export Products Semiconductors, petrochemicals, automobile and auto parts, ships, wireless communication equipment, flat panel displays, steel, electronics, plastics, computers

| South Korea's Share of Partners' Imports |    |    |    |    |      |         |  |
|------------------------------------------|----|----|----|----|------|---------|--|
| 10%                                      | 8% | 5% | 2% | 1% | 0.5% | unknown |  |
|                                          |    |    |    |    |      |         |  |

#### BREADTH

|                              | Rank           |        | % Same  | % Same Region |  |
|------------------------------|----------------|--------|---------|---------------|--|
|                              | Outward        | Inward | Outward | Inward        |  |
| Trade                        | 3/1            | 40     | -       | -             |  |
| Merchandise Trade            | 7/139          | 15/138 | 57%     | 50%           |  |
| Capital                      | 9/             | 9/79   |         | -             |  |
| FDI Stock                    | 12/88          | 11/111 | 49%     | 41%           |  |
| FDI Flows                    | 8/77           | 4/99   | 45%     | 39%           |  |
| Portfolio Equity Stock       | 11/71          |        | 20%     | _             |  |
| Information                  | 14/85          |        | -       | -             |  |
| International Phone Calls    | 9/83           | 36/70  | 65%     | 83%           |  |
| Printed Publications Trade   | 10/137         | 2/137  | 41%     | 43%           |  |
| People                       | 23/123         |        | -       | -             |  |
| Migrants                     | <b>49</b> /139 | 50/136 | 38%     | 82%           |  |
| Tourists Departures/Arrivals | _              | •      | _       | •             |  |
| International Students       | -              | 17/93  | _       | 85%           |  |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 29/140  | \$27,195 |
| Linguistic Commonality (+) | 108/140 | 0%       |
| Remoteness (-)             | 95/138  | 3.9      |
| Population (-)             | 26/140  | 50.3     |
| Landlocked (-)             | _       | No       |
|                            |         |          |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 56/129  | 4.3   |
| Infrastructure (+)        | 7/128   | 5.8   |
| Press Freedom (+)         | 48/137  | 75    |
| Labor Freedom (+)         | 107/140 | 51    |
| Financial Freedom (+)     | 3/136   | 80    |

| Globalization Policies |                                     |  |  |  |  |
|------------------------|-------------------------------------|--|--|--|--|
| Rank                   | Level                               |  |  |  |  |
| 29/128                 | 4.7                                 |  |  |  |  |
| 36/120                 | 5.2                                 |  |  |  |  |
| 56/134                 | 0.7                                 |  |  |  |  |
| 6/140                  | 171                                 |  |  |  |  |
| 40/127                 | 32                                  |  |  |  |  |
|                        | 29/128<br>36/120<br>56/134<br>6/140 |  |  |  |  |

- Not Applicable

· Data Not Available

|                    |        | Rank   |        |        | Score  |        |  |
|--------------------|--------|--------|--------|--------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |  |
| Overall            | 55/140 | 52/140 | -3     | 52/100 | 52/100 | 0      |  |
| Depth              | 58/140 | 67/140 | 9      | 28/50  | 28/50  | 0      |  |
| Breadth            | 65/140 | 62/140 | -3     | 24/50  | 24/50  | 0      |  |
| Trade Pillar       | 21/140 | 28/140 | 7      | 67/100 | 63/100 | 4      |  |
| Capital Pillar     | 66/72  | 64/72  | -2     | 25/100 | 29/100 | -4     |  |
| Information Pillar | · ·    | •      | •      | •      | •      | •      |  |
| People Pillar      | · ·    |        | •      | •      |        | •      |  |

# CONNECTEDNESS SCORE TREND

#### DEPTH

|                                                                | Ra      | nk             | Level   |        |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 54/     | 140            | -       |        |
| Merchandise Trade (% of GDP)                                   | 24/139  | <b>97</b> /140 | 46%     | 26%    |
| Services Trade (% of GDP)                                      | 99/140  | 13/140         | 5%      | 19%    |
| Capital                                                        | 62      | /90            | -       | -      |
| FDI Stock (% of GDP)                                           | 38/133  | 128/140        | 26%     | 12%    |
| FDI Flows (% of GFCF)                                          | 15/131  | 123/138        | 17%     | 4%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 52/82   | 77/81          | 11%     | 1%     |
| Portfolio Equity Flows (% of Mkt Cap)                          | 5/84    | 55/86          | 26%     | 0%     |
| Information                                                    | 33/     | 140            | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 68/     | 68/140         |         | 619    |
| International Phone Calls<br>(Minutes per Capita)              | 12/140  | 20/140         | 570     | 399    |
| Printed Publications Trade<br>(USD per Capita)                 | 77/137  | 43/137         | \$1     | \$14   |
| People                                                         |         |                | -       | -      |
| Migrants (% of Population)                                     | 82/139  | 2/139          | 5%      | 74%    |
| Tourists (Dep./Arr. per Capita)                                | •       | 88/126         | •       | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 5/126   | •              | 23%     | •      |

#### DHL Global Connectedness Index 2016 157

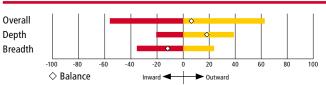
#### **ROOTED MAP**

#### **KUWAIT'S MERCHANDISE EXPORTS, 2015 Top Export Destinations Major Export Products** 1. South Korea (15%) 6. Taiwan (6%) Oil and refined products, 7. Pakistan (6%) 2. China (12%) fertilizers 3. India (12%) 8. Singapore (4%) 4. Japan (10%) 9. Netherlands (4%) 5. U.S.A. (8%) 10. Egypt (3%) Kuwait's Share of Partners' Imports . 0.5% 0.2% 1% 5% 2% 1% unknown I

#### **BREADTH**

|                              | Rank    |         | % Same  | % Same Region |  |
|------------------------------|---------|---------|---------|---------------|--|
|                              | Outward | Inward  | Outward | Inward        |  |
| Trade                        | 31/140  |         | -       | -             |  |
| Merchandise Trade            | 52/139  | 10/138  | 9%      | 24%           |  |
| Capital                      | 77      | 77/79   |         | -             |  |
| FDI Stock                    | 55/88   | 107/111 | 60%     | 94%           |  |
| FDI Flows                    | 69/77   | •       | 88%     | •             |  |
| Portfolio Equity Stock       | 65/71   |         | 69%     | _             |  |
| Information                  |         |         | -       | -             |  |
| International Phone Calls    |         | •       | •       |               |  |
| Printed Publications Trade   | 114/137 | 20/137  | 91%     | 27%           |  |
| People                       |         |         | _       | -             |  |
| Migrants                     | 41/139  | 33/136  | 58%     | 21%           |  |
| Tourists Departures/Arrivals | -       | •       | _       | •             |  |
| International Students       | -       | •       | _       | •             |  |

#### DIRECTIONALITY



| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 27/140  | \$29,363 |
| Linguistic Commonality (+) | 80/140  | 3%       |
| Remoteness (-)             | 82/138  | 4.6      |
| Population (-)             | 110/140 | 3.9      |
| Landlocked (-)             | _       | No       |
|                            |         |          |

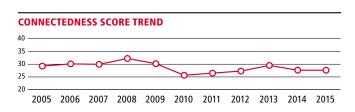
|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 62/129 | 4.2   |
| Infrastructure (+)        | 55/128 | 4.1   |
| Press Freedom (+)         | 72/137 | 70    |
| Labor Freedom (+)         | 58/140 | 64    |
| Financial Freedom (+)     | 68/136 | 50    |

| Rank           | Level                                |
|----------------|--------------------------------------|
| 67/128         | 4.0                                  |
| <b>59</b> /120 | 3.2                                  |
| 60/134         | 0.7                                  |
| 76/140         | 78                                   |
| 111/127        | 12                                   |
|                | 67/128<br>59/120<br>60/134<br>76/140 |

# **KYRGYZ REPUBLIC**

#### **KEY SCORES AND TRENDS**

|                    |            | Rank    |        |        | Score  |        |  |
|--------------------|------------|---------|--------|--------|--------|--------|--|
|                    | 2015       | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 124/140    | 120/140 | -4     | 28/100 | 30/100 | -2     |  |
| Depth              | 86/140     | 73/140  | -13    | 23/50  | 26/50  | -3     |  |
| Breadth            | 135/140    | 137/140 | 2      | 4/50   | 4/50   | 0      |  |
| Trade Pillar       | 113/140    | 98/140  | -15    | 35/100 | 39/100 | -4     |  |
| Capital Pillar     | 68/72      | 68/72   | 0      | 16/100 | 20/100 | -4     |  |
| Information Pillar | •          | •       | •      | •      | •      | •      |  |
| People Pillar      | - <u> </u> | •       |        | •      | •      | •      |  |

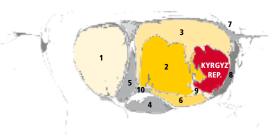


#### DEPTH

|                                                                | Ra      | nk             | Le      | vel    |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 34/     | 140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 73/139  | <b>19</b> /140 | 25%     | 61%    |
| Services Trade (% of GDP)                                      | 46/140  | 26/140         | 13%     | 14%    |
| Capital                                                        | 83/     | /90            |         | _      |
| FDI Stock (% of GDP)                                           | 132/133 | 42/140         | 0%      | 58%    |
| FDI Flows (% of GFCF)                                          | 115/131 | 34/138         | 0%      | 23%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 56/82   | 76/81          | 6%      | 2%     |
| Portfolio Equity Flows (% of Mkt Cap)                          | 75/84   | 76/86          | 0%      | 0%     |
| Information                                                    | 103     | /140           | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 111/    | /140           | 7,3     | 857    |
| International Phone Calls<br>(Minutes per Capita)              | 69/140  | 62/140         | 78      | 173    |
| Printed Publications Trade<br>(USD per Capita)                 | 117/137 | 104/137        | \$0     | \$2    |
| People                                                         |         |                | -       | _      |
| Migrants (% of Population)                                     | 34/139  | 78/139         | 13%     | 3%     |
| Tourists (Dep./Arr. per Capita)                                | •       | •              | •       | •      |
| International Students (% of Tertiary<br>Education Enrollment) | 87/126  | 47/116         | 2%      | 4%     |

#### **ROOTED MAP**

#### **KYRGYZ REPUBLIC'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations** 1. Switzer

| 6. Afghanistan (4%) |
|---------------------|
| 7. Russia (4%)      |
| 8. China (3%)       |
| 9. Tajikistan (1%)  |
| 10. Iran (1%)       |
|                     |

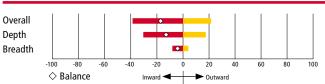
**Major Export Products** Gold, cotton, wool, garments, meat, mercury, uranium, electricity, machinery, shoes

| Kyrgyz Rep | ublic's Sh | are of Pa | rtners' l | mports |       |         |
|------------|------------|-----------|-----------|--------|-------|---------|
| 2%         | 1%         | 0.5%      | 0.1%      | 0.05%  | 0.01% | unknown |
|            |            |           |           |        |       |         |

#### **BREADTH**

|                              | Ra              | Rank           |         | Region |
|------------------------------|-----------------|----------------|---------|--------|
|                              | Outward         | Inward         | Outward | Inward |
| Trade                        | 140             | /140           | -       | -      |
| Merchandise Trade            | <b>139</b> /139 | 136/138        | 54%     | 18%    |
| Capital                      | 76              | /79            | -       | -      |
| FDI Stock                    | 68/88           | <b>91</b> /111 | 89%     | 10%    |
| FDI Flows                    | 76/77           | 84/99          | 0%      | 4%     |
| Portfolio Equity Stock       |                 | _              |         |        |
| Information                  |                 |                | -       | -      |
| International Phone Calls    | •               | •              | •       | •      |
| Printed Publications Trade   | 89/137          | 48/137         | 65%     | 7%     |
| People                       | 90/             | 123            | -       | -      |
| Migrants                     | 113/139         | 66/136         | 4%      | 18%    |
| Tourists Departures/Arrivals | _               | •              | _       | •      |
| International Students       | _               | 65/93          | _       | 87%    |

#### DIRECTIONALITY

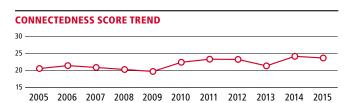


| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 123/140 | \$1,113 |
| Linguistic Commonality (+) | 88/140  | 2%      |
| Remoteness (-)             | 86/138  | 4.3     |
| Population (-)             | 94/140  | 5.9     |
| Landlocked (-)             | _       | Yes     |

| General Policies/Environment |         |       |  |  |  |
|------------------------------|---------|-------|--|--|--|
|                              | Rank    | Level |  |  |  |
| Operating Environment (+)    | 117/129 | 3.4   |  |  |  |
| Infrastructure (+)           | 103/128 | 3.0   |  |  |  |
| Press Freedom (+)            | 71/137  | 70    |  |  |  |
| Labor Freedom (+)            | 11/140  | 85    |  |  |  |
| Financial Freedom (+)        | 68/136  | 50    |  |  |  |

| Globalization Policies          |         |       |
|---------------------------------|---------|-------|
|                                 | Rank    | Level |
| Enabling Trade Index (+)        | 105/128 | 3.5   |
| Tariffs (Wtd. Mean Applied) (-) | 68/120  | 2.3   |
| Capital Account Openness (+)    | 89/134  | 0.3   |
| Visa-Free Travel Outward (+)    | 102/140 | 56    |
| Visa-Free Travel Inward (+)     | 40/127  | 32    |

|                    |         | Rank    |        |        | Score  |        |  |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |  |
| Overall            | 128/140 | 132/140 | 4      | 24/100 | 21/100 | 3      |  |  |
| Depth              | 99/140  | 112/140 | 13     | 17/50  | 14/50  | 3      |  |  |
| Breadth            | 129/140 | 124/140 | -5     | 6/50   | 7/50   | -1     |  |  |
| Trade Pillar       | 135/140 | 137/140 | 2      | 20/100 | 22/100 | -2     |  |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |  |
| Information Pillar | 62/85   | 78/85   | 16     | 49/100 | 38/100 | 11     |  |  |
| People Pillar      | 66/102  | 68/103  | 2      | 41/100 | 40/100 | 1      |  |  |



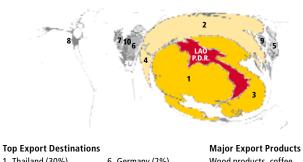
#### DEPTH

|                                                                | Ra             | nk      | Le      | vel    |
|----------------------------------------------------------------|----------------|---------|---------|--------|
|                                                                | Outward        | Inward  | Outward | Inward |
| Trade                                                          | 94/            | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 94/139         | 76/140  | 19%     | 31%    |
| Services Trade (% of GDP)                                      | 83/140         | 117/140 | 6%      | 4%     |
| Capital                                                        |                |         | -       | -      |
| FDI Stock (% of GDP)                                           | 127/133        | 77/140  | 0%      | 39%    |
| FDI Flows (% of GFCF)                                          | •              | •       | •       | •      |
| Portfolio Equity Stock (% of Mkt Cap)                          | •              | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •              | •       | •       | •      |
|                                                                |                |         |         |        |
| Information                                                    | 88/140 -       |         | -       |        |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 101            | /140    | 16,     | 795    |
| International Phone Calls<br>(Minutes per Capita)              | 84/140         | 80/140  | 47      | 126    |
| Printed Publications Trade<br>(USD per Capita)                 | •              | ·       | ·       | •      |
| People                                                         | 68/            | 112     | -       | -      |
| Migrants (% of Population)                                     | 20/139         | 129/139 | 20%     | 0%     |
| Tourists (Dep./Arr. per Capita)                                | •              | 53/126  | •       | 0.5    |
| International Students (% of Tertiary<br>Education Enrollment) | <b>69</b> /126 | 94/116  | 4%      | 0%     |

#### DHL Global Connectedness Index 2016 159

#### **ROOTED MAP**

#### LAO'S MERCHANDISE EXPORTS, 2015



| 6. Germany (2%)      | Wood products, coffee,                                |
|----------------------|-------------------------------------------------------|
| 7. U.K. (1%)         | electricity, tin, copper, gold,                       |
| 8. U.S.A. (1%)       | cassava                                               |
| 9. South Korea (1%)  |                                                       |
| 10. Netherlands (1%) |                                                       |
|                      | 7. U.K. (1%)<br>8. U.S.A. (1%)<br>9. South Korea (1%) |

| Lao P.D.R.' | 's Share o | F Partners | s' Import | s     |        |         |
|-------------|------------|------------|-----------|-------|--------|---------|
| 0.3%        | 0.1%       | 0.03%      | 0.02%     | 0.01% | 0.005% | unknown |
|             |            |            |           |       |        |         |

#### BREADTH

|                              | Ra       | Rank    |         | % Same Region |  |  |
|------------------------------|----------|---------|---------|---------------|--|--|
|                              | Outward  | Inward  | Outward | Inward        |  |  |
| Trade                        | 138      | /140    | -       | -             |  |  |
| Merchandise Trade            | 124/139  | 133/138 | 89%     | 96%           |  |  |
| Capital                      |          |         | -       | -             |  |  |
| FDI Stock                    | 77/88    | 110/111 | 100%    | 98%           |  |  |
| FDI Flows                    | 75/77    | •       | 100%    | •             |  |  |
| Portfolio Equity Stock       | <u>·</u> | _       |         | _             |  |  |
| Information                  | 54       | /85     | -       | -             |  |  |
| International Phone Calls    | 50/83    | 33/70   | 86%     | 61%           |  |  |
| Printed Publications Trade   |          | ·       |         |               |  |  |
| People                       | 74/      | 74/123  |         | -             |  |  |
| Migrants                     | 94/139   | 109/136 | 74%     | 100%          |  |  |
| Tourists Departures/Arrivals |          | •       | _       | •             |  |  |
| International Students       |          | 44/93   | _       | 97%           |  |  |

#### DIRECTIONALITY

#### Not Available

| Rank    | Level                        |
|---------|------------------------------|
| 111/140 | \$1,779                      |
| 108/140 | 0%                           |
| 70/138  | 5.2                          |
| 90/140  | 6.8                          |
| _       | Yes                          |
|         | 111/140<br>108/140<br>70/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 62/129  | 4.2   |
| Infrastructure (+)        | 110/128 | 2.9   |
| Press Freedom (+)         | 134/137 | 18    |
| Labor Freedom (+)         | 84/140  | 57    |
| Financial Freedom (+)     | 133/136 | 20    |

| Globalization Policies |                                       |  |  |  |  |  |  |
|------------------------|---------------------------------------|--|--|--|--|--|--|
| Rank                   | Level                                 |  |  |  |  |  |  |
| 96/128                 | 3.6                                   |  |  |  |  |  |  |
| 37/120                 | 5.2                                   |  |  |  |  |  |  |
| <b>91</b> /134         | 0.2                                   |  |  |  |  |  |  |
| 122/140                | 45                                    |  |  |  |  |  |  |
| 19/127                 | 64                                    |  |  |  |  |  |  |
|                        | 96/128<br>37/120<br>91/134<br>122/140 |  |  |  |  |  |  |

# LATVIA

#### **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |  |
|--------------------|--------|--------|--------|--------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |  |
| Overall            | 48/140 | 45/140 | -3     | 55/100 | 55/100 | 0      |  |
| Depth              | 14/140 | 12/140 | -2     | 39/50  | 39/50  | 0      |  |
| Breadth            | 97/140 | 92/140 | -5     | 17/50  | 16/50  | 1      |  |
| Trade Pillar       | 61/140 | 65/140 | 4      | 54/100 | 52/100 | 2      |  |
| Capital Pillar     | 51/72  | 43/72  | -8     | 46/100 | 48/100 | -2     |  |
| Information Pillar | •      |        | •      | •      | •      | •      |  |
| People Pillar      | 24/102 | 24/103 | 0      | 74/100 | 73/100 | 1      |  |

#### **CONNECTEDNESS SCORE TREND**

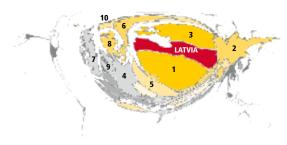
| 60<br>55<br>50<br>45<br>40 | 0    |      | -0~  | ~~~  | ~    | _0_  | _0_  | -0-  |      | -0-  | -0-  |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
| 35                         | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Rank    |        | Level   |        |
|----------------------------------------------------------------|---------|--------|---------|--------|
|                                                                | Outward | Inward | Outward | Inward |
| Trade                                                          | 20/     | 140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 26/139  | 31/140 | 45%     | 53%    |
| Services Trade (% of GDP)                                      | 27/140  | 62/140 | 16%     | 9%     |
| Capital                                                        | 13/     | '90    | -       | -      |
| FDI Stock (% of GDP)                                           | 77/133  | 48/140 | 5%      | 54%    |
| FDI Flows (% of GFCF)                                          | 55/131  | 74/138 | 3%      | 11%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 9/82    | 22/81  | 114%    | 39%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 12/84   | 7/86   | 8%      | 6%     |
| Information                                                    | 54/     | 140    | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 33/     | 140    | 111,881 |        |
| International Phone Calls<br>(Minutes per Capita)              | 90/140  | 82/140 | 41      | 121    |
| Printed Publications Trade<br>(USD per Capita)                 | 13/137  | 46/137 | \$59    | \$13   |
| People                                                         | 14/     | 112    | -       | _      |
| Migrants (% of Population)                                     | 25/139  | 30/139 | 17%     | 13%    |
| Tourists (Dep./Arr. per Capita)                                | 19/80   | 29/126 | 0.7     | 0.9    |
| International Students (% of Tertiary<br>Education Enrollment) | 37/126  | 38/116 | 7%      | 5%     |

#### **ROOTED MAP**

#### LATVIA'S MERCHANDISE EXPORTS, 2015



#### **Top Export Destinations** 1. Li

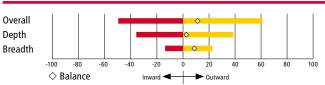
| Top Export Destinati | ons                  | Major Export Products       |
|----------------------|----------------------|-----------------------------|
| 1. Lithuania (18%)   | 6. Sweden (5%)       | Foodstuffs, wood and wood   |
| 2. Russia (11%)      | 7. U.K. (5%)         | products, metals, machinery |
| 3. Estonia (11%)     | 8. Denmark (4%)      | and equipment, textiles     |
| 4. Germany (6%)      | 9. Netherlands (2%)  | •••                         |
| 5. Poland (6%)       | 10. Norway (2%)      |                             |
| Latvia's Share       | of Partners' Imports |                             |

| Latvia | atvia's share of Partners' imports |      |      |      |       |       |         |  |  |  |
|--------|------------------------------------|------|------|------|-------|-------|---------|--|--|--|
|        | 4%                                 | 0.4% | 0.2% | 0.1% | 0.05% | 0.01% | unknown |  |  |  |
|        |                                    |      |      |      |       |       |         |  |  |  |

#### **BREADTH**

|                              | Ra      | Rank    |         | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 108     | /140    | -       | -      |
| Merchandise Trade            | 91/139  | 115/138 | 86%     | 92%    |
| Capital                      | 67      | /79     | -       | -      |
| FDI Stock                    | 57/88   | 78/111  | 93%     | 95%    |
| FDI Flows                    | 47/77   | 72/99   | 93%     | 97%    |
| Portfolio Equity Stock       | 59/71   |         | 94%     |        |
| Information                  |         |         | _       | -      |
| International Phone Calls    |         |         | 88%     | •      |
| Printed Publications Trade   | 66/137  | 90/137  | 100%    | 94%    |
| People                       | 36/     | 36/123  |         | -      |
| Migrants                     | 40/139  | 64/136  | 87%     | 94%    |
| Tourists Departures/Arrivals | _       | 37/94   | _       | 91%    |
| International Students       | _       | 25/93   | _       | 68%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

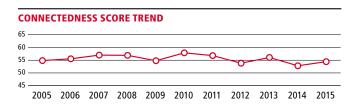
| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 48/140  | \$13,619 |
| Linguistic Commonality (+) | 108/140 | 0%       |
| Remoteness (-)             | 119/138 | 2.7      |
| Population (-)             | 124/140 | 2.0      |
| Landlocked (-)             | _       | No       |
|                            |         |          |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 40/129 | 4.5   |
| Infrastructure (+)        | 40/128 | 4.4   |
| Press Freedom (+)         | 27/137 | 86    |
| Labor Freedom (+)         | 72/140 | 62    |
| Financial Freedom (+)     | 68/136 | 50    |

| Globalization Policies |                                     |  |  |  |  |
|------------------------|-------------------------------------|--|--|--|--|
| Rank                   | Level                               |  |  |  |  |
| 37/128                 | 4.4                                 |  |  |  |  |
| 78/120                 | 1.5                                 |  |  |  |  |
| 1/134                  | 1.0                                 |  |  |  |  |
| 32/140                 | 160                                 |  |  |  |  |
| 66/127                 | 23                                  |  |  |  |  |
|                        | 37/128<br>78/120<br>1/134<br>32/140 |  |  |  |  |

- Not Applicable

|                    |        | Rank           |        |                | Score  |        |  |
|--------------------|--------|----------------|--------|----------------|--------|--------|--|
|                    | 2015   | 2013           | Change | 2015           | 2013   | Change |  |
| Overall            | 51/140 | 43/140         | -8     | 54/100         | 56/100 | -2     |  |
| Depth              | 63/140 | 38/140         | -25    | 28/50          | 32/50  | -4     |  |
| Breadth            | 57/140 | <b>61</b> /140 | 4      | 27/50          | 24/50  | 3      |  |
| Trade Pillar       | 68/140 | 56/140         | -12    | 51/100         | 54/100 | -3     |  |
| Capital Pillar     | 46/72  | 40/72          | -6     | 48/100         | 49/100 | -1     |  |
| Information Pillar | •      | •              | •      | •              | •      | •      |  |
| People Pillar      | 25/102 | 25/103         | 0      | <b>71</b> /100 | 71/100 | 0      |  |

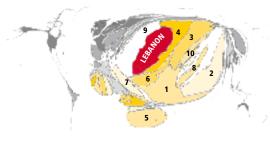


#### DEPTH

|                                                                | Ra      | nk             | Le      | vel    |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 73/     | 140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 133/139 | 59/140         | 8%      | 36%    |
| Services Trade (% of GDP)                                      | 11/140  | 7/140          | 27%     | 25%    |
| Capital                                                        | 46/     | '90            | -       | _      |
| FDI Stock (% of GDP)                                           | 41/133  | 13/140         | 25%     | 115%   |
| FDI Flows (% of GFCF)                                          | 32/131  | 30/138         | 11%     | 23%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •              | •       |        |
| Portfolio Equity Flows (% of Mkt Cap)                          | 83/84   | 82/86          | -1%     | -1%    |
| Information                                                    | 57/     | 140            |         | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 86/     | 140            | 27,     | 275    |
| International Phone Calls<br>(Minutes per Capita)              | 44/140  | 48/140         | 181     | 215    |
| Printed Publications Trade<br>(USD per Capita)                 | 27/137  | 53/137         | \$22    | \$11   |
| People                                                         | 17/     | 112            | -       | -      |
| Migrants (% of Population)                                     | 31/139  | 11/139         | 14%     | 34%    |
| Tourists (Dep./Arr. per Capita)                                | •       | <b>69</b> /126 | •       | 0.2    |
| International Students (% of Tertiary<br>Education Enrollment) | 51/126  | 30/116         | 5%      | 7%     |

#### **ROOTED MAP**

#### **LEBANON'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| 1. Saudi Arabia (12%) | 6. Jordan (4%)  |
|-----------------------|-----------------|
| 2. U.A.E. (11%)       | 7. Egypt (3%)   |
| 3. Iraq (8%)          | 8. Qatar (3%)   |
| 4. Syria (7%)         | 9. Turkey (3%)  |
| 5. South Africa (7%)  | 10. Kuwait (2%) |

#### **Major Export Products**

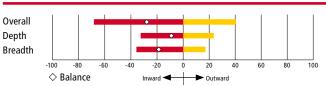
Jewelry, base metals, chemicals, consumer goods, fruit and vegetables, tobacco, construction minerals, electric power machinery and switchgear, textile fibers, paper

| Lebanon' | s Share ( | of Partners | s' Import | s     |       |         |
|----------|-----------|-------------|-----------|-------|-------|---------|
| 0.6      | % 0.3º    | % 0.2%      | 0.1%      | 0.05% | 0.01% | unknown |
|          |           |             |           |       |       |         |

#### BREADTH

|                              | Rank % Same Re |         | Region  |        |
|------------------------------|----------------|---------|---------|--------|
|                              | Outward        | Inward  | Outward | Inward |
| Trade                        | 65/            | 140     | -       | -      |
| Merchandise Trade            | 114/139        | 16/138  | 55%     | 12%    |
| Capital                      | 50/            | /79     | -       | -      |
| FDI Stock                    | 66/88          | ·       | 0%      | •      |
| FDI Flows                    | 65/77          | •       | 5%      | •      |
| Portfolio Equity Stock       | 32/71          |         | 21%     | _      |
| Information                  |                |         | -       | -      |
| International Phone Calls    | •              | •       |         | •      |
| Printed Publications Trade   | 91/137         | 14/137  | 77%     | 11%    |
| People                       | 37/            | 37/123  |         | -      |
| Migrants                     | 2/139          | 112/136 | 28%     | 99%    |
| Tourists Departures/Arrivals | _              | 27/94   | _       | 35%    |
| International Students       | _              | · _     | _       | •      |

#### DIRECTIONALITY



| Structural Factors         |        |          |  |  |  |
|----------------------------|--------|----------|--|--|--|
|                            | Rank   | Level    |  |  |  |
| GDP per Capita (+)         | 55/140 | \$11,237 |  |  |  |
| Linguistic Commonality (+) | 42/140 | 11%      |  |  |  |
| Remoteness (-)             | 93/138 | 4.0      |  |  |  |
| Population (-)             | 95/140 | 5.9      |  |  |  |
| Landlocked (-)             | _      | No       |  |  |  |
|                            |        |          |  |  |  |

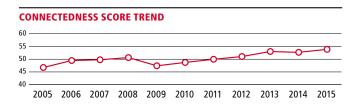
|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 97/129 | 3.7   |
| Infrastructure (+)        | 72/128 | 3.7   |
| Press Freedom (+)         | 78/137 | 69    |
| Labor Freedom (+)         | 74/140 | 61    |
| Financial Freedom (+)     | 38/136 | 60    |

| Globalization Policies          |         |       |  |  |  |
|---------------------------------|---------|-------|--|--|--|
|                                 | Rank    | Level |  |  |  |
| Enabling Trade Index (+)        | 82/128  | 3.8   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 61/120  | 2.8   |  |  |  |
| Capital Account Openness (+)    | 60/134  | 0.7   |  |  |  |
| Visa-Free Travel Outward (+)    | 136/140 | 37    |  |  |  |
| Visa-Free Travel Inward (+)     | 35/127  | 39    |  |  |  |

# LITHUANIA

#### **KEY SCORES AND TRENDS**

|                    |        | Rank           |        |        | Score          | score  |  |
|--------------------|--------|----------------|--------|--------|----------------|--------|--|
|                    | 2015   | 2013           | Change | 2015   | 2013           | Change |  |
| Overall            | 52/140 | <b>51</b> /140 | -1     | 54/100 | 53/100         | 1      |  |
| Depth              | 20/140 | <b>16</b> /140 | -4     | 35/50  | 36/50          | -1     |  |
| Breadth            | 83/140 | 88/140         | 5      | 19/50  | 17/50          | 2      |  |
| Trade Pillar       | 25/140 | 34/140         | 9      | 64/100 | <b>61</b> /100 | 3      |  |
| Capital Pillar     | 62/72  | 60/72          | -2     | 33/100 | 35/100         | -2     |  |
| Information Pillar | •      | •              | •      | •      | •              | •      |  |
| People Pillar      | 32/102 | 30/103         | -2     | 66/100 | 67/100         | -1     |  |

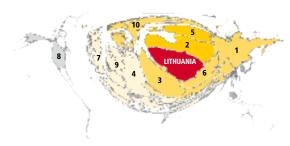


#### DEPTH

|                                                                | Ra             | Rank           |         | vel    |
|----------------------------------------------------------------|----------------|----------------|---------|--------|
|                                                                | Outward        | Inward         | Outward | Inward |
| Trade                                                          | 12/            | 140            | -       | _      |
| Merchandise Trade (% of GDP)                                   | 14/139         | 12/140         | 62%     | 69%    |
| Services Trade (% of GDP)                                      | 30/140         | 48/140         | 16%     | 11%    |
| Capital                                                        | 60/            | /90            | _       | -      |
| FDI Stock (% of GDP)                                           | 76/133         | 85/140         | 5%      | 35%    |
| FDI Flows (% of GFCF)                                          | 83/131         | 116/138        | 1%      | 5%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 18/82          | 65/81          | 71%     | 8%     |
| Portfolio Equity Flows (% of Mkt Cap)                          | 28/84          | 57/86          | 3%      | 0%     |
| Information                                                    | 47/140         |                | _       |        |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 19/            | 140            | 158,030 |        |
| International Phone Calls<br>(Minutes per Capita)              | 86/140         | 78/140         | 45      | 134    |
| Printed Publications Trade<br>(USD per Capita)                 | 22/137         | 45/137         | \$35    | \$13   |
| People                                                         | 25/            | 112            | _       |        |
| Migrants (% of Population)                                     | <b>21</b> /139 | <b>62</b> /139 | 19%     | 5%     |
| Tourists (Dep./Arr. per Capita)                                | 24/80          | 40/126         | 0.6     | 0.7    |
| International Students (% of Tertiary<br>Education Enrollment) | 33/126         | 64/116         | 7%      | 3%     |

#### **ROOTED MAP**

#### LITHUANIA'S MERCHANDISE EXPORTS, 2015



#### **Top Export Destinations**

| 1. Russia (14%) | 6. Belarus (5%)     | Re |
|-----------------|---------------------|----|
| 2. Latvia (10%) | 7. U.K. (4%)        | ec |
| 3. Poland (10%) | 8. U.S.A. (4%)      | fo |
| 4. Germany (8%) | 9. Netherlands (4%) |    |
| 5. Estonia (5%) | 10. Sweden (4%)     |    |
| lister i de Ch  |                     |    |

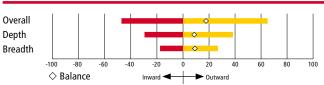
Major Export Products Refined fuel, machinery and equipment, chemicals, textiles, foodstuffs, plastics

| Lithuania's Share of Partners' Imports |      |      |      |       |       |         |  |
|----------------------------------------|------|------|------|-------|-------|---------|--|
| 6%                                     | 0.6% | 0.2% | 0.1% | 0.05% | 0.01% | unknown |  |
|                                        |      |      |      |       |       |         |  |

#### BREADTH

|                              | Ra      | nk      | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 92/     | 140     | -       | -      |
| Merchandise Trade            | 71/139  | 108/138 | 86%     | 90%    |
| Capital                      | 65      | 65/79   |         | -      |
| FDI Stock                    | 44/88   | 66/111  | 98%     | 96%    |
| FDI Flows                    | 51/77   | 79/99   | 99%     | 93%    |
| Portfolio Equity Stock       | 60/71   |         | 95%     |        |
| Information                  |         |         | _       | -      |
| International Phone Calls    | •       | •       | •       | •      |
| Printed Publications Trade   | 34/137  | 43/137  | 90%     | 90%    |
| People                       | 42/     | 42/123  |         | -      |
| Migrants                     | 47/139  | 48/136  | 89%     | 93%    |
| Tourists Departures/Arrivals | _       | 46/94   |         | 93%    |
| International Students       | _       | 37/93   | _       | 70%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 47/140  | \$14,210 |
| Linguistic Commonality (+) | 108/140 | 0%       |
| Remoteness (-)             | 122/138 | 2.6      |
| Population (-)             | 116/140 | 2.9      |
| Landlocked (-)             | _       | No       |
|                            |         |          |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 48/129 | 4.4   |
| Infrastructure (+)        | 37/128 | 4.5   |
| Press Freedom (+)         | 29/137 | 85    |
| Labor Freedom (+)         | 70/140 | 62    |
| Financial Freedom (+)     | 3/136  | 80    |

| Globalization Policies |                                                           |  |  |  |  |  |  |  |
|------------------------|-----------------------------------------------------------|--|--|--|--|--|--|--|
| Rank                   | Level                                                     |  |  |  |  |  |  |  |
| 37/128                 | 4.4                                                       |  |  |  |  |  |  |  |
| 78/120                 | 1.5                                                       |  |  |  |  |  |  |  |
| 60/134                 | 0.7                                                       |  |  |  |  |  |  |  |
| 33/140                 | 159                                                       |  |  |  |  |  |  |  |
| 66/127                 | 23                                                        |  |  |  |  |  |  |  |
|                        | 37/128           78/120           60/134           33/140 |  |  |  |  |  |  |  |

|                    |        | Rank   |        |                | Score  |        |  |
|--------------------|--------|--------|--------|----------------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015           | 2013   | Change |  |
| Overall            | 5/140  | 6/140  | 1      | 83/100         | 81/100 | 2      |  |
| Depth              | 3/140  | 3/140  | 0      | 46/50          | 46/50  | 0      |  |
| Breadth            | 24/140 | 27/140 | 3      | 36/50          | 34/50  | 2      |  |
| Trade Pillar       | 33/140 | 47/140 | 14     | 62/100         | 57/100 | 5      |  |
| Capital Pillar     | 1/72   | 1/72   | 0      | 99/100         | 99/100 | 0      |  |
| Information Pillar | •      | •      | •      | •              | •      | •      |  |
| People Pillar      | 13/102 | 14/103 | 1      | <b>79</b> /100 | 79/100 | 0      |  |

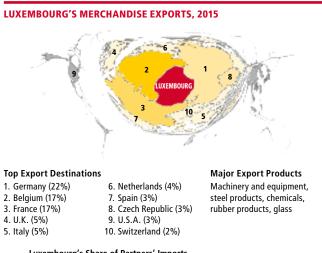
| _  |       |       |          |        |        |      |          |      |      |      |      |
|----|-------|-------|----------|--------|--------|------|----------|------|------|------|------|
| С  | ONNEC | TEDNI | ESS SC   | ORE T  | REND   |      |          |      |      |      |      |
| 95 |       |       |          |        |        |      |          |      |      |      |      |
| 90 |       |       |          |        |        |      |          |      |      |      |      |
| 85 |       | -0-   | <u> </u> |        |        |      |          |      |      |      |      |
| 00 | 0     |       |          | $\sim$ | $\sim$ |      | <u> </u> | -0-  |      | _~_  | _0   |
| 00 |       |       |          |        |        |      |          |      |      | _0_  |      |
| /5 |       |       |          |        |        |      | 2011     | 2012 | 2012 | 2014 | 2015 |
|    | 2005  | 2006  | 2007     | 2008   | 2009   | 2010 | 2011     | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Ra      | nk     | Level   |        |
|----------------------------------------------------------------|---------|--------|---------|--------|
|                                                                | Outward | Inward | Outward | Inward |
| Trade                                                          | 31/     | 140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 53/139  | 45/140 | 30%     | 41%    |
| Services Trade (% of GDP)                                      | 1/140   | 1/140  | 166%    | 125%   |
| Capital                                                        | 1/9     | 90     | -       | _      |
| FDI Stock (% of GDP)                                           | 5/133   | 4/140  | 295%    | 357%   |
| FDI Flows (% of GFCF)                                          | 1/131   | 3/138  | 272%    | 161%   |
| Portfolio Equity Stock (% of Mkt Cap)                          | 1/82    | 1/81   | 3560%   | 7055%  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 2/84    | 1/86   | 218%    | 535%   |
| Information                                                    | 3/1     | 40     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 1/1     | 1/140  |         | 5,378  |
| International Phone Calls<br>(Minutes per Capita)              | 6/140   | 3/140  | 1227    | 924    |
| Printed Publications Trade<br>(USD per Capita)                 | 18/137  | 4/137  | \$42    | \$152  |
| People                                                         | 8/1     | 8/112  |         | -      |
| Migrants (% of Population)                                     | 42/139  | 7/139  | 11%     | 44%    |
| Tourists (Dep./Arr. per Capita)                                | 51/80   | 14/126 | 0.2     | 1.9    |
| International Students (% of Tertiary<br>Education Enrollment) | 1/126   | 3/116  | 126%    | 44%    |

## DHL Global Connectedness Index 2016 163

#### **ROOTED MAP**

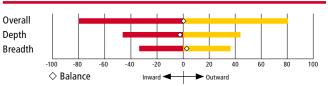


| Luxembourg's Share of Partners' Imports |      |      |      |       |       |         |  |  |
|-----------------------------------------|------|------|------|-------|-------|---------|--|--|
| 0.5%                                    | 0.4% | 0.2% | 0.1% | 0.05% | 0.01% | unknown |  |  |
|                                         |      |      |      |       |       |         |  |  |

#### **BREADTH**

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 68/     | 140    | -       | -      |
| Merchandise Trade            | 58/139  | 71/138 | 88%     | 73%    |
| Capital                      | 2/      | 79     | -       | -      |
| FDI Stock                    | 7/88    | 7/111  | 65%     | 55%    |
| FDI Flows                    | 3/77    | 2/99   | 69%     | 52%    |
| Portfolio Equity Stock       | 1/71    |        | 47%     |        |
| Information                  | -       |        | -       | -      |
| International Phone Calls    | •       | •      | •       | •      |
| Printed Publications Trade   | 52/137  | 98/137 | 98%     | 97%    |
| People                       | 33/     | 33/123 |         | -      |
| Migrants                     | 71/139  | 62/136 | 94%     | 97%    |
| Tourists Departures/Arrivals | _       | 21/94  | _       | 89%    |
| International Students       | -       | 26/93  | _       | 82%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |           |
|----------------------------|---------|-----------|
|                            | Rank    | Level     |
| GDP per Capita (+)         | 1/140   | \$101,994 |
| Linguistic Commonality (+) | 39/140  | 13%       |
| Remoteness (-)             | 138/138 | 1.6       |
| Population (-)             | 134/140 | 0.6       |
| Landlocked (-)             | -       | Yes       |
|                            |         |           |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 6/129   | 5.6   |
| Infrastructure (+)        | 12/128  | 5.6   |
| Press Freedom (+)         | 19/137  | 92    |
| Labor Freedom (+)         | 127/140 | 42    |
| Financial Freedom (+)     | 3/136   | 80    |

| Globalization Policies          |        |       |  |  |  |
|---------------------------------|--------|-------|--|--|--|
|                                 | Rank   | Level |  |  |  |
| Enabling Trade Index (+)        | 8/128  | 5.1   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |  |  |  |
| Capital Account Openness (+)    | •      | •     |  |  |  |
| Visa-Free Travel Outward (+)    | 6/140  | 171   |  |  |  |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |  |  |  |

- Not Applicable

· Data Not Available

# **MACAU SAR (CHINA)**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank           |        |                | Score  |        |
|--------------------|---------|----------------|--------|----------------|--------|--------|
|                    | 2015    | 2013           | Change | 2015           | 2013   | Change |
| Overall            | 73/140  | <b>91</b> /140 | 18     | 46/100         | 40/100 | 6      |
| Depth              | 40/140  | 52/140         | 12     | 31/50          | 29/50  | 2      |
| Breadth            | 106/140 | 115/140        | 9      | 15/50          | 10/50  | 5      |
| Trade Pillar       | 118/140 | 129/140        | 11     | 33/100         | 28/100 | 5      |
| Capital Pillar     | •       | •              | •      | •              | •      | •      |
| Information Pillar | 46/85   | 46/85          | 0      | 56/100         | 55/100 | 1      |
| People Pillar      | 41/102  | 41/103         | 0      | <b>61</b> /100 | 61/100 | 0      |

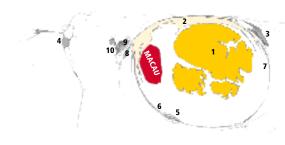
# CONNECTEDNESS SCORE TREND

#### DEPTH

|                                                                | Ra      | Rank    |         | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 97/     | 97/140  |         | -      |
| Merchandise Trade (% of GDP)                                   | 139/139 | 109/140 | 3%      | 23%    |
| Services Trade (% of GDP)                                      | 3/140   | 10/140  | 86%     | 22%    |
| Capital                                                        |         |         | -       | -      |
| FDI Stock (% of GDP)                                           | 60/133  | 39/140  | 11%     | 68%    |
| FDI Flows (% of GFCF)                                          | 22/131  | 12/138  | 13%     | 45%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | ·       | •       | •      |
| Information                                                    | 19/     | 19/140  |         | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 32/     | 32/140  |         | ,931   |
| International Phone Calls<br>(Minutes per Capita)              | 10/140  | 7/140   | 639     | 737    |
| Printed Publications Trade<br>(USD per Capita)                 | 79/137  | 29/137  | \$1     | \$26   |
| People                                                         | 1/1     | 1/112   |         | -      |
| Migrants (% of Population)                                     | 11/139  | 4/139   | 24%     | 58%    |
| Tourists (Dep./Arr. per Capita)                                | •       | 1/126   | •       | 25.2   |
| International Students (% of Tertiary<br>Education Enrollment) | 32/126  | 5/116   | 8%      | 36%    |

#### **ROOTED MAP**

#### MACAU SAR (CHINA)'S MERCHANDISE EXPORTS, 2015



#### **Top Export Destinations**

| 1. Hong Kong (63%) | 6. Malaysia (1%)  |
|--------------------|-------------------|
| 2. China (18%)     | 7. Taiwan (1%)    |
| 3. Japan (2%)      | 8. U.A.E. (1%)    |
| 4. U.S.A. (2%)     | 9. Germany (1%)   |
| 5. Singapore (1%)  | 10. France (< 1%) |
|                    |                   |

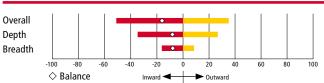
Major Export Products Clothing, textiles, footwear, toys, electronics, machinery and parts

| Wacau | s Snar | re of Pa | rtners' In | nports |        |        |         |
|-------|--------|----------|------------|--------|--------|--------|---------|
|       | 0.1%   | 0.05%    | 0.02%      | 0.01%  | 0.005% | 0.001% | unknown |
|       |        |          |            |        |        |        |         |

#### BREADTH

|                              | Ra      | Rank    |         | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 99/     | 140     | -       | -      |
| Merchandise Trade            | 125/139 | 55/138  | 94%     | 60%    |
| Capital                      | 59/     | 59/79   |         | -      |
| FDI Stock                    | 62/88   | 98/111  | 64%     | 38%    |
| FDI Flows                    | 67/77   | 71/99   | 50%     | 18%    |
| Portfolio Equity Stock       | 40/71   |         | 57%     |        |
| Information                  | 73      | 73/85   |         | -      |
| International Phone Calls    | 65/83   | 58/70   | 96%     | 94%    |
| Printed Publications Trade   | 92/137  | 79/137  | 96%     | 86%    |
| People                       | 103     | 103/123 |         | -      |
| Migrants                     | 121/139 | 107/136 | 86%     | 100%   |
| Tourists Departures/Arrivals | _       | 90/94   | -       | 97%    |
| International Students       | -       | 47/93   | -       | 98%    |

#### DIRECTIONALITY



| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 5/140   | \$69,309 |
| Linguistic Commonality (+) | 108/140 | 0%       |
| Remoteness (-)             | •       |          |
| Population (-)             | 133/140 | 0.6      |
| Landlocked (-)             | -       | No       |
|                            |         |          |

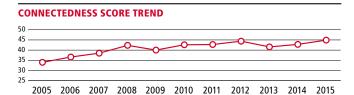
|                           | Rank    | Leve |
|---------------------------|---------|------|
| Operating Environment (+) | •       | •    |
| Infrastructure (+)        | •       | •    |
| Press Freedom (+)         | •       |      |
| Labor Freedom (+)         | 111/140 | 50   |
| Financial Freedom (+)     | 18/136  | 70   |

| Globalization Policies          |         |       |
|---------------------------------|---------|-------|
|                                 | Rank    | Level |
| Enabling Trade Index (+)        | •       | •     |
| Tariffs (Wtd. Mean Applied) (-) | 120/120 | 0.0   |
| Capital Account Openness (+)    | •       | •     |
| Visa-Free Travel Outward (+)    | 57/140  | 120   |
| Visa-Free Travel Inward (+)     | •       |       |

# **MACEDONIA, FYR**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 77/140  | 86/140  | 9      | 45/100 | 42/100 | 3      |  |
| Depth              | 36/140  | 41/140  | 5      | 32/50  | 31/50  | 1      |  |
| Breadth            | 114/140 | 111/140 | -3     | 13/50  | 11/50  | 2      |  |
| Trade Pillar       | 69/140  | 81/140  | 12     | 51/100 | 46/100 | 5      |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | •       | •       | •      | •      | •      | •      |  |
| People Pillar      | 62/102  | 64/103  | 2      | 44/100 | 43/100 | 1      |  |



#### DEPTH

|                                                                | Ra               | nk             | Le      | Level  |  |  |
|----------------------------------------------------------------|------------------|----------------|---------|--------|--|--|
|                                                                | Outward          | Inward         | Outward | Inward |  |  |
| Trade                                                          | 17/ <sup>.</sup> | 140            | -       | -      |  |  |
| Merchandise Trade (% of GDP)                                   | 25/139           | 15/140         | 45%     | 65%    |  |  |
| Services Trade (% of GDP)                                      | 36/140           | 46/140         | 15%     | 11%    |  |  |
| Capital                                                        | 72               | '90            | -       | -      |  |  |
| FDI Stock (% of GDP)                                           | 106/133          | 56/140         | 1%      | 46%    |  |  |
| FDI Flows (% of GFCF)                                          | •                | •              | •       |        |  |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | 48/82            | 69/81          | 12%     | 6%     |  |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 34/84            | 75/86          | 2%      | 0%     |  |  |
| Information                                                    | 74/              | 140            | -       | _      |  |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 66/              | 140            | 53,890  |        |  |  |
| International Phone Calls<br>(Minutes per Capita)              | 83/140           | 75/140         | 48      | 142    |  |  |
| Printed Publications Trade<br>(USD per Capita)                 | <b>69</b> /137   | 75/137         | \$2     | \$5    |  |  |
| People                                                         | 44/              | 112            | -       | -      |  |  |
| Migrants (% of Population)                                     | 9/139            | 56/139         | 25%     | 6%     |  |  |
| Tourists (Dep./Arr. per Capita)                                | •                | <b>76</b> /126 | •       | 0.2    |  |  |
| International Students (% of Tertiary<br>Education Enrollment) | 34/126           | 67/116         | 7%      | 2%     |  |  |

#### **ROOTED MAP**

#### **MACEDONIA'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| 1. Germany (33%) | 6. Serbia (4%)  |
|------------------|-----------------|
| 2. Bulgaria (5%) | 7. Belgium (3%) |
| 3. Greece (4%)   | 8. Hungary (3%) |
| 4. Italy (4%)    | 9. Belarus (3%) |
| 5. U.S.A. (4%)   | 10. China (2%)  |

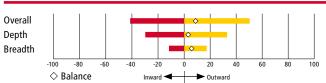
**Major Export Products** Foodstuffs, beverages, tobacco, textiles, miscellaneous manufactures, iron, steel, automotive parts

| Macedo | nia's Sha | re of Partn | ers' Impo | orts  |       |         |
|--------|-----------|-------------|-----------|-------|-------|---------|
| 1.5    | 5% 19     | % 0.5%      | 0.1%      | 0.05% | 0.01% | unknown |
|        |           |             |           |       |       |         |

#### **BREADTH**

|                              | Ra      | nk      | % Same  | % Same Region |  |  |
|------------------------------|---------|---------|---------|---------------|--|--|
|                              | Outward | Inward  | Outward | Inward        |  |  |
| Trade                        | 120     | /140    | -       | -             |  |  |
| Merchandise Trade            | 104/139 | 129/138 | 90%     | 89%           |  |  |
| Capital                      |         |         | -       | -             |  |  |
| FDI Stock                    | 52/88   | 72/111  | 96%     | 90%           |  |  |
| FDI Flows                    | •       | 49/99   | •       | 85%           |  |  |
| Portfolio Equity Stock       | •       | _       | •       | _             |  |  |
| Information                  |         |         | -       | -             |  |  |
| International Phone Calls    | •       | •       | •       | •             |  |  |
| Printed Publications Trade   | 33/137  | 25/137  | •       | •             |  |  |
| People                       | 104     | 104/123 |         | -             |  |  |
| Migrants                     | 103/139 | 115/136 | 54%     | 83%           |  |  |
| Tourists Departures/Arrivals | _       | 59/94   | _       | 75%           |  |  |
| International Students       | -       | 80/93   | _       | 86%           |  |  |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                        |
|---------|------------------------------|
| 85/140  | \$4,787                      |
| 108/140 | 0%                           |
| 110/138 | 3.0                          |
| 121/140 | 2.1                          |
| _       | Yes                          |
|         | 85/140<br>108/140<br>110/138 |

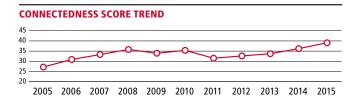
| Rank Leve                 |        |     |  |  |  |
|---------------------------|--------|-----|--|--|--|
| Operating Environment (+) | 40/129 | 4.5 |  |  |  |
| Infrastructure (+)        | 79/128 | 3.6 |  |  |  |
| Press Freedom (+)         | 92/137 | 63  |  |  |  |
| Labor Freedom (+)         | 43/140 | 71  |  |  |  |
| Financial Freedom (+)     | 38/136 | 60  |  |  |  |

| <b>Globalization Policies</b>   |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 61/128 | 4.1   |
| Tariffs (Wtd. Mean Applied) (-) | 73/120 | 2.0   |
| Capital Account Openness (+)    | 73/134 | 0.4   |
| Visa-Free Travel Outward (+)    | 64/140 | 107   |
| Visa-Free Travel Inward (+)     | 52/127 | 28    |

# **MADAGASCAR**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 98/140  | 108/140 | 10     | 39/100 | 34/100 | 5      |  |
| Depth              | 97/140  | 114/140 | 17     | 18/50  | 14/50  | 4      |  |
| Breadth            | 75/140  | 75/140  | 0      | 21/50  | 20/50  | 1      |  |
| Trade Pillar       | 48/140  | 64/140  | 16     | 57/100 | 52/100 | 5      |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | •       | •       | •      | •      | •      | •      |  |
| People Pillar      | 102/102 | 103/103 | 1      | 14/100 | 14/100 | 0      |  |

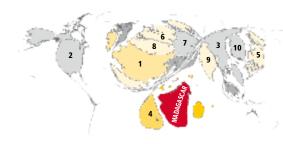


#### DEPTH

|                                                                | Ra      | nk       | Le      | vel    |
|----------------------------------------------------------------|---------|----------|---------|--------|
|                                                                | Outward | Inward   | Outward | Inward |
| Trade                                                          | 65/     | 65/140   |         | -      |
| Merchandise Trade (% of GDP)                                   | 78/139  | 66/140   | 23%     | 33%    |
| Services Trade (% of GDP)                                      | 53/140  | 54/140   | 11%     | 10%    |
| Capital                                                        |         |          | -       | -      |
| FDI Stock (% of GDP)                                           | 126/133 | 36/140   | 0%      | 70%    |
| FDI Flows (% of GFCF)                                          | 114/131 | 24/138   | 0%      | 29%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •        | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | ·       | <u> </u> |         | •      |
| Information                                                    | 116/    | /140     | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 106     | /140     | 12,420  |        |
| International Phone Calls<br>(Minutes per Capita)              | 139/140 | 138/140  | 3       | 8      |
| Printed Publications Trade<br>(USD per Capita)                 | 85/137  | 107/137  | \$1     | \$2    |
| People                                                         | 104     | /112     | -       | -      |
| Migrants (% of Population)                                     | 134/139 | 136/139  | 1%      | 0%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 119/126  | •       | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 61/126  | 75/116   | 4%      | 2%     |

#### **ROOTED MAP**

#### **MADAGASCAR'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| · · · · · · · · · · · · · · · · · · · |                      |
|---------------------------------------|----------------------|
| 1. France (15%)                       | 6. Netherlands (5%)  |
| 2. U.S.A. (13%)                       | 7. Germany (5%)      |
| 3. China (7%)                         | 8. Belgium (5%)      |
| 4. South Africa (6%)                  | 9. India (4%)        |
| 5. Japan (5%)                         | 10. South Korea (3%) |
|                                       |                      |

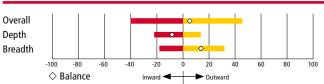
**Major Export Products** Coffee, vanilla, shellfish, sugar, cotton cloth, clothing, chromite, petroleum products

| Madag | ascar's | Share o | f Partne | rs' Impo | rts   |        |         |
|-------|---------|---------|----------|----------|-------|--------|---------|
| (     | 0.6%    | 0.1%    | 0.05%    | 0.02%    | 0.01% | 0.005% | unknown |
|       |         |         |          |          |       |        |         |

#### **BREADTH**

|                              | Ra             | nk      | % Same  | % Same Region |  |  |
|------------------------------|----------------|---------|---------|---------------|--|--|
|                              | Outward        | Inward  | Outward | Inward        |  |  |
| Trade                        | 47/            | 140     | -       | -             |  |  |
| Merchandise Trade            | <b>19</b> /139 | 82/138  | 9%      | 9%            |  |  |
| Capital                      |                |         | -       | -             |  |  |
| FDI Stock                    | ·              | 82/111  | •       | 9%            |  |  |
| FDI Flows                    | •              | 77/99   | •       | 14%           |  |  |
| Portfolio Equity Stock       |                |         |         | -             |  |  |
| Information                  | -              |         | -       | -             |  |  |
| International Phone Calls    | •              | •       | •       | •             |  |  |
| Printed Publications Trade   | 112/137        | 113/137 | 0%      | 2%            |  |  |
| People                       | 114            | 114/123 |         | -             |  |  |
| Migrants                     | 128/139        | 53/136  | 21%     | •             |  |  |
| Tourists Departures/Arrivals | _              | 91/94   | _       | 18%           |  |  |
| International Students       | -              | 93/93   | _       | 100%          |  |  |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |       |
|----------------------------|---------|-------|
|                            | Rank    | Level |
| GDP per Capita (+)         | 139/140 | \$402 |
| Linguistic Commonality (+) | 49/140  | 8%    |
| Remoteness (-)             | 15/138  | 7.9   |
| Population (-)             | 46/140  | 24.2  |
| Landlocked (-)             | _       | No    |
|                            |         |       |

| General Policies/Environment |         |       |  |
|------------------------------|---------|-------|--|
|                              | Rank    | Level |  |
| Operating Environment (+)    | 109/129 | 3.5   |  |
| Infrastructure (+)           | 122/128 | 2.5   |  |
| Press Freedom (+)            | 52/137  | 74    |  |
| Labor Freedom (+)            | 119/140 | 45    |  |
| Financial Freedom (+)        | 68/136  | 50    |  |

| Rank    | Level                                 |
|---------|---------------------------------------|
| 96/128  | 3.6                                   |
| 31/120  | 6.0                                   |
| 80/134  | 0.4                                   |
| 121/140 | 46                                    |
| 13/127  | 70                                    |
|         | 96/128<br>31/120<br>80/134<br>121/140 |

|                    |        | Rank   |        |        | Score  |        |
|--------------------|--------|--------|--------|--------|--------|--------|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |
| Overall            | 19/140 | 22/140 | 3      | 68/100 | 67/100 | 1      |
| Depth              | 17/140 | 15/140 | -2     | 36/50  | 36/50  | 0      |
| Breadth            | 35/140 | 39/140 | 4      | 32/50  | 31/50  | 1      |
| Trade Pillar       | 4/140  | 4/140  | 0      | 85/100 | 84/100 | 1      |
| Capital Pillar     | 42/72  | 39/72  | -3     | 51/100 | 49/100 | 2      |
| Information Pillar | 26/85  | 26/85  | 0      | 67/100 | 67/100 | 0      |
| People Pillar      | 45/102 | 45/103 | 0      | 56/100 | 57/100 | -1     |

| _  |       |       |        |       |      |      |      |      |      |      |      |
|----|-------|-------|--------|-------|------|------|------|------|------|------|------|
| С  | ONNEC | TEDNI | ESS SC | ORE T | REND |      |      |      |      |      |      |
| 75 |       |       |        |       |      |      |      |      |      |      |      |
| 70 |       |       | ~      |       |      | ~    |      | 0    |      |      |      |
| 65 | 0     | _0_   | ~~     | -0-   |      | _0_  | - 0  |      | -0   | -    |      |
|    |       |       |        |       |      |      |      |      |      |      |      |
| 55 |       | 2006  |        |       | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

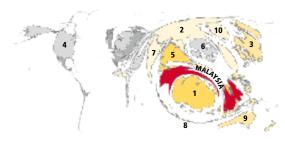
#### DEPTH

|                                                                | Ra      | Rank           |         | vel    |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 13/     | 140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 11/139  | 21/140         | 67%     | 59%    |
| Services Trade (% of GDP)                                      | 50/140  | 33/140         | 12%     | 13%    |
| Capital                                                        | 42/     | '90            | -       | _      |
| FDI Stock (% of GDP)                                           | 22/133  | 74/140         | 46%     | 40%    |
| FDI Flows (% of GFCF)                                          | 17/131  | 62/138         | 16%     | 14%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 55/82   | 50/81          | 9%      | 16%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 39/84   | 72/86          | 1%      | 0%     |
| Information                                                    | 53/     | 140            | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 79/     | 140            | 34,     | 119    |
| International Phone Calls<br>(Minutes per Capita)              | 35/140  | 51/140         | 247     | 204    |
| Printed Publications Trade<br>(USD per Capita)                 | 35/137  | 64/137         | \$10    | \$7    |
| People                                                         | 47/     | 112            | -       | -      |
| Migrants (% of Population)                                     | 66/139  | <b>52</b> /139 | 6%      | 8%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 30/126         | •       | 0.9    |
| International Students (% of Tertiary<br>Education Enrollment) | 47/126  | 59/116         | 5%      | 3%     |

# DHL Global Connectedness Index 2016 167

#### **ROOTED MAP**

#### MALAYSIA'S MERCHANDISE EXPORTS, 2015



#### **Top Export Destinations**

| 1. Singapore (14%) | 6. Hong Kong (5%)    |
|--------------------|----------------------|
| 2. China (13%)     | 7. India (4%)        |
| 3. Japan (10%)     | 8. Indonesia (4%)    |
| 4. U.S.A. (9%)     | 9. Australia (4%)    |
| 5. Thailand (6%)   | 10. South Korea (3%) |
|                    |                      |

#### Major Export Products

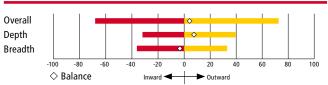
Semiconductors and electronic equipment, palm oil, petroleum and liquefied natural gas, wood and wood products, palm oil, rubber, textiles, chemicals, solar panels

| Malay | /sia's Sl | nare of F | 'artners | Imports |      |      |         |
|-------|-----------|-----------|----------|---------|------|------|---------|
|       | 10%       | 6%        | 3%       | 1.5%    | 0.5% | 0.2% | unknown |
|       |           |           |          |         |      |      |         |

#### BREADTH

|                              | Rank    |                | % Same  | Region |
|------------------------------|---------|----------------|---------|--------|
|                              | Outward | Inward         | Outward | Inward |
| Trade                        | 18/     | 140            | -       | -      |
| Merchandise Trade            | 27/139  | 26/138         | 66%     | 68%    |
| Capital                      | 45/     | /79            | -       | -      |
| FDI Stock                    | ·       | 17/111         | ·       | 53%    |
| FDI Flows                    | 37/77   | 37/99          | 66%     | 51%    |
| Portfolio Equity Stock       | 50/71   |                | 48%     | _      |
| Information                  | 25/     | /85            | _       | -      |
| International Phone Calls    | 20/83   | 42/70          | 58%     | 81%    |
| Printed Publications Trade   | 14/137  | 21/137         | 35%     | 45%    |
| People                       | 56/     | 123            | -       | -      |
| Migrants                     | 110/139 | <b>59</b> /136 | 75%     | 68%    |
| Tourists Departures/Arrivals | _       | 80/94          | _       | 87%    |
| International Students       | -       | 14/93          | _       | 27%    |

#### DIRECTIONALITY



| Rank   | Level                                    |
|--------|------------------------------------------|
| 58/140 | \$9,557                                  |
| 34/140 | 17%                                      |
| 33/138 | 6.5                                      |
| 39/140 | 30.3                                     |
| -      | No                                       |
|        | 58/140           34/140           33/138 |

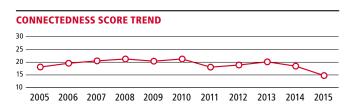
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 24/129  | 5.0   |
| Infrastructure (+)        | 23/128  | 5.1   |
| Press Freedom (+)         | 117/137 | 54    |
| Labor Freedom (+)         | 33/140  | 76    |
| Financial Freedom (+)     | 38/136  | 60    |

| Globalization Policies          |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 25/128 | 4.8   |
| Tariffs (Wtd. Mean Applied) (-) | •      |       |
| Capital Account Openness (+)    | 80/134 | 0.4   |
| Visa-Free Travel Outward (+)    | 28/140 | 163   |
| Visa-Free Travel Inward (+)     | 29/127 | 48    |

# MALI

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 138/140 | 135/140 | -3     | 15/100 | 20/100 | -5     |  |
| Depth              | 122/140 | 117/140 | -5     | 9/50   | 13/50  | -4     |  |
| Breadth            | 132/140 | 125/140 | -7     | 5/50   | 7/50   | -2     |  |
| Trade Pillar       | 139/140 | 134/140 | -5     | 17/100 | 24/100 | -7     |  |
| Capital Pillar     | •       | •       | •      | •      | •      |        |  |
| Information Pillar | •       | •       | •      | •      | •      | •      |  |
| People Pillar      | 87/102  | 90/103  | 3      | 28/100 | 28/100 | 0      |  |

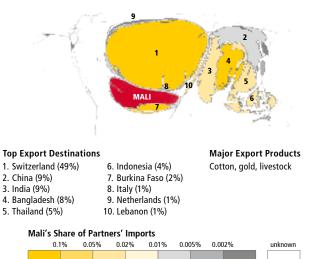


#### DEPTH

|                                                                | Ra             | nk             | Level   |        |
|----------------------------------------------------------------|----------------|----------------|---------|--------|
|                                                                | Outward        | Inward         | Outward | Inward |
| Trade                                                          | 106            | /140           | -       | -      |
| Merchandise Trade (% of GDP)                                   | <b>91</b> /139 | 101/140        | 19%     | 24%    |
| Services Trade (% of GDP)                                      | 123/140        | 77/140         | 3%      | 8%     |
| Capital                                                        |                |                | -       | -      |
| FDI Stock (% of GDP)                                           | 122/133        | 107/140        | 0%      | 22%    |
| FDI Flows (% of GFCF)                                          | 111/131        | 93/138         | 0%      | 8%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | •              | •              | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •              | ·              | •       | •      |
| Information                                                    | 131            | /140           | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 137            | 137/140        |         | 279    |
| International Phone Calls<br>(Minutes per Capita)              | 102/140        | 95/140         | 31      | 91     |
| Printed Publications Trade<br>(USD per Capita)                 | 132/137        | 132/137        | \$0     | \$0    |
| People                                                         | 86/            | 86/112         |         | -      |
| Migrants (% of Population)                                     | 72/139         | <b>91</b> /139 | 6%      | 2%     |
| Tourists (Dep./Arr. per Capita)                                | •              | 118/126        | •       | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 45/126         | 92/116         | 5%      | 1%     |

#### **ROOTED MAP**

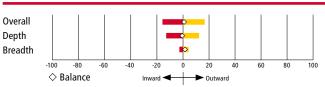
#### **MALI'S MERCHANDISE EXPORTS, 2015**



#### **BREADTH**

|                              | Ra       | Rank          |         | % Same Region |  |
|------------------------------|----------|---------------|---------|---------------|--|
|                              | Outward  | Inward        | Outward | Inward        |  |
| Trade                        | 137      | /140          | -       | -             |  |
| Merchandise Trade            | 126/139  | ·             | 3%      |               |  |
| Capital                      | 78/79    |               | -       | -             |  |
| FDI Stock                    | 78/88    | 102/111       | 70%     | 17%           |  |
| FDI Flows                    | 73/77    | 73/77 96/99   |         | 0%            |  |
| Portfolio Equity Stock       | <u> </u> | · _           |         | _             |  |
| Information                  |          |               | -       | -             |  |
| International Phone Calls    | •        | · ·           |         |               |  |
| Printed Publications Trade   | 82/137   | 105/137       | 88%     | 5%            |  |
| People                       | 102      | 102/123       |         | -             |  |
| Migrants                     | 134/139  | 119/136       | 90%     |               |  |
| Tourists Departures/Arrivals | _        | 32/94         | _       | 40%           |  |
| International Students       | _        | <b>92</b> /93 | _       | 98%           |  |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                       |
|---------|-----------------------------|
| 127/140 | \$802                       |
| 51/140  | 8%                          |
| 54/138  | 5.9                         |
| 57/140  | 17.6                        |
| _       | Yes                         |
|         | 127/140<br>51/140<br>54/138 |

| General Policies/Environment |         |       |  |  |  |
|------------------------------|---------|-------|--|--|--|
|                              | Rank    | Level |  |  |  |
| Operating Environment (+)    | 109/129 | 3.5   |  |  |  |
| Infrastructure (+)           | 96/128  | 3.1   |  |  |  |
| Press Freedom (+)            | 93/137  | 63    |  |  |  |
| Labor Freedom (+)            | 108/140 | 51    |  |  |  |
| Financial Freedom (+)        | 101/136 | 40    |  |  |  |

| Rank           | Level                                                       |
|----------------|-------------------------------------------------------------|
| 117/128        | 3.1                                                         |
| 22/120         | 7.4                                                         |
| <b>91</b> /134 | 0.2                                                         |
| 116/140        | 50                                                          |
| 6/127          | 72                                                          |
|                | 117/128           22/120           91/134           116/140 |

|                    |        | Rank   |        | Score  |        |        |
|--------------------|--------|--------|--------|--------|--------|--------|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |
| Overall            | 13/140 | 15/140 | 2      | 71/100 | 70/100 | 1      |
| Depth              | 7/140  | 5/140  | -2     | 44/50  | 45/50  | -1     |
| Breadth            | 54/140 | 60/140 | 6      | 27/50  | 25/50  | 2      |
| Trade Pillar       | 16/140 | 15/140 | -1     | 70/100 | 71/100 | -1     |
| Capital Pillar     | 26/72  | 23/72  | -3     | 62/100 | 62/100 | 0      |
| Information Pillar | •      | •      | •      | •      | •      |        |
| People Pillar      | 12/102 | 12/103 | 0      | 79/100 | 79/100 | 0      |

#### CONNECTEDNESS SCORE TREND 85 75 70 65 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

#### DEPTH

|                                                                | Ra      | Rank   |         | vel    |
|----------------------------------------------------------------|---------|--------|---------|--------|
|                                                                | Outward | Inward | Outward | Inward |
| Trade                                                          | 22/     | 140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 66/139  | 22/140 | 26%     | 59%    |
| Services Trade (% of GDP)                                      | 2/140   | 2/140  | 109%    | 85%    |
| Capital                                                        | 3/9     | 90     | -       | _      |
| FDI Stock (% of GDP)                                           | 1/133   | 1/140  | 693%    | 1668%  |
| FDI Flows (% of GFCF)                                          | 4/131   | 1/138  | 89%     | 592%   |
| Portfolio Equity Stock (% of Mkt Cap)                          | 2/82    | 4/81   | 2163%   | 134%   |
| Portfolio Equity Flows (% of Mkt Cap)                          | 1/84    | 86/86  | 228%    | -21%   |
| Information                                                    | 7/1     | 40     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 3/1     | 3/140  |         | 0,570  |
| International Phone Calls<br>(Minutes per Capita)              | 22/140  | 36/140 | 369     | 259    |
| Printed Publications Trade<br>(USD per Capita)                 | 1/137   | 15/137 | \$412   | \$49   |
| People                                                         | 6/1     | 6/112  |         | -      |
| Migrants (% of Population)                                     | 10/139  | 44/139 | 25%     | 10%    |
| Tourists (Dep./Arr. per Capita)                                | 14/80   | 2/126  | 0.9     | 4.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 18/126  | 35/116 | 11%     | 6%     |

#### DHL Global Connectedness Index 2016 169

#### **ROOTED MAP**

#### **MALTA'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| top inport b cotin | ations                | major Exporting     |
|--------------------|-----------------------|---------------------|
| 1. Germany (13%)   | 6. U.S.A. (6%)        | Machinery and me    |
| 2. France (10%)    | 7. Italy (6%)         | mineral fuels, oils |
| 3. Hong Kong (7%)  | 8. Japan (5%)         | pharmaceutical pr   |
| 4. Singapore (7%)  | 9. Libya (4%)         | newspapers, aircra  |
| 5. U.K. (6%)       | 10. Saudi Arabia (2%) | toys, games, and s  |
|                    |                       |                     |
|                    |                       |                     |

#### **Major Export Products**

Machinery and mechanical appliances, mineral fuels, oils and petroleum products, pharmaceutical products, books and newspapers, aircraft/spacecraft and parts, toys, games, and sports equipment

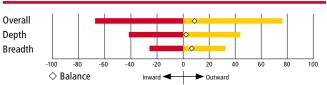
#### Malta's Share of Partners' Imports

| 0.5% | 0.1% | 0.04% | 0.02% | 0.01% | 0.005% | unknown |
|------|------|-------|-------|-------|--------|---------|
|      |      |       |       |       |        |         |

#### BREADTH

|                              | Ra             | Rank           |         | % Same Region |  |   |
|------------------------------|----------------|----------------|---------|---------------|--|---|
|                              | Outward        | Inward         | Outward | Inward        |  |   |
| Trade                        | 47/            | 47/140         |         | -             |  |   |
| Merchandise Trade            | 36/139         | 66/138         | 48%     | 71%           |  |   |
| Capital                      | 55/            | 55/79          |         | 55/79 –       |  | - |
| FDI Stock                    | •              | 38/111         | 85%     | 65%           |  |   |
| FDI Flows                    | •              | 87/99          | ·       | 28%           |  |   |
| Portfolio Equity Stock       | 48/71          | 48/71 –        |         | _             |  |   |
| Information                  |                |                | -       | -             |  |   |
| International Phone Calls    | ·              | •              | •       | •             |  |   |
| Printed Publications Trade   | <b>69</b> /137 | 96/137         |         | 88%           |  |   |
| People                       | 32/123         |                | -       | -             |  |   |
| Migrants                     | 93/139         | <b>19</b> /136 | 37%     | 58%           |  |   |
| Tourists Departures/Arrivals | _              | 24/94          | _       | 95%           |  |   |
| International Students       | -              | ·              | _       | 63%           |  |   |

#### DIRECTIONALITY



| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 33/140  | \$22,734 |
| Linguistic Commonality (+) | 12/140  | 39%      |
| Remoteness (-)             | 103/138 | 3.5      |
| Population (-)             | 137/140 | 0.4      |
| Landlocked (-)             | _       | No       |
|                            |         |          |

|                           | Rank           | Level |
|---------------------------|----------------|-------|
| Operating Environment (+) | 24/129         | 5.0   |
| Infrastructure (+)        | 30/128         | 4.8   |
| Press Freedom (+)         | 41/137         | 78    |
| Labor Freedom (+)         | <b>91</b> /140 | 56    |
| Financial Freedom (+)     | 38/136         | 60    |

| Globalization Policies          |        |       |  |  |  |
|---------------------------------|--------|-------|--|--|--|
|                                 | Rank   | Level |  |  |  |
| Enabling Trade Index (+)        | 33/128 | 4.6   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |  |  |  |
| Capital Account Openness (+)    | 1/134  | 1.0   |  |  |  |
| Visa-Free Travel Outward (+)    | 24/140 | 167   |  |  |  |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |  |  |  |

# **MAURITIUS**

#### **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |                | Score  |        |  |
|--------------------|--------|--------|--------|----------------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015           | 2013   | Change |  |
| Overall            | 41/140 | 46/140 | 5      | 57/100         | 54/100 | 3      |  |
| Depth              | 23/140 | 28/140 | 5      | 35/50          | 34/50  | 1      |  |
| Breadth            | 72/140 | 71/140 | -1     | 22/50          | 20/50  | 2      |  |
| Trade Pillar       | 39/140 | 37/140 | -2     | <b>61</b> /100 | 60/100 | 1      |  |
| Capital Pillar     | 48/72  | 52/72  | 4      | 47/100         | 43/100 | 4      |  |
| Information Pillar | •      | •      | •      | •              | •      | •      |  |
| People Pillar      | 43/102 | 44/103 | 1      | 60/100         | 58/100 | 2      |  |

#### CONNECTEDNESS SCORE TREND

| 65<br>60<br>55<br>50<br>45 |      | _0_  |      | _0-  | -0-  | _0_  | -0-  | -0-  | -0-  |      | _0   |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
| 35                         |      |      |      |      |      |      |      |      |      |      |      |
|                            | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Rank    |                | Level   |        |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 43/     | 140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 83/139  | 44/140         | 21%     | 41%    |
| Services Trade (% of GDP)                                      | 18/140  | 15/140         | 23%     | 19%    |
| Capital                                                        | 8/9     | 90             | -       | -      |
| FDI Stock (% of GDP)                                           | 55/133  | 95/140         | 12%     | 32%    |
| FDI Flows (% of GFCF)                                          | 53/131  | 68/138         | 4%      | 12%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 3/82    | 3/81           | 1264%   | 198%   |
| Portfolio Equity Flows (% of Mkt Cap)                          | 6/84    | 5/86           | 13%     | 8%     |
| Information                                                    | 58/     | 140            | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 80/     | 140            | 33,     | 896    |
| International Phone Calls<br>(Minutes per Capita)              | 51/140  | 57/140         | 136     | 187    |
| Printed Publications Trade<br>(USD per Capita)                 | 26/137  | 55/137         | \$23    | \$10   |
| People                                                         | 38/     | 112            | -       | -      |
| Migrants (% of Population)                                     | 32/139  | <b>89</b> /139 | 13%     | 2%     |
| Tourists (Dep./Arr. per Capita)                                | 44/80   | 33/126         | 0.2     | 0.8    |
| International Students (% of Tertiary<br>Education Enrollment) | 11/126  | 50/116         | 15%     | 4%     |

#### **ROOTED MAP**

#### **MAURITIUS'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations** 1. U.K. (13%) 2. U.A.E. (12%)

#### **Major Export Products** Clothing and textiles, sugar, cut flowers, molasses, fish, primates (for research)

| 1. 0.K. (13/0)       | o. Muuuuguscui (770) | ciotining and textiles, sugar, |
|----------------------|----------------------|--------------------------------|
| 2. U.A.E. (12%)      | 7. Italy (5%)        | cut flowers, molasses, fish,   |
| 3. France (12%)      | 8. Spain (4%)        | primates (for research)        |
| 4. U.S.A. (11%)      | 9. Vietnam (4%)      |                                |
| 5. South Africa (9%) | 10. Netherlands (3%) |                                |
|                      |                      |                                |
| Mauritius's Shar     |                      |                                |

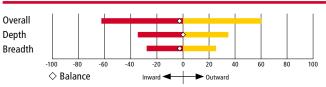
6. Madagascar (7%)

|   |      |      | <br>  |         |    |         |
|---|------|------|-------|---------|----|---------|
| 1 | 5% 1 | % 0. | % 0.0 | 5% 0.02 | 2% | unknown |
|   |      |      |       |         |    |         |
|   |      |      |       |         |    |         |

#### **BREADTH**

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 56/     | 140    | -       | -      |
| Merchandise Trade            | 62/139  | 50/138 | 18%     | 11%    |
| Capital                      | 72      | /79    | -       | -      |
| FDI Stock                    | 39/88   | 29/111 | 7%      | 9%     |
| FDI Flows                    | •       | 90/99  | 39%     | 21%    |
| Portfolio Equity Stock       | 69/71   |        | 5%      | _      |
| Information                  |         |        | _       | -      |
| International Phone Calls    | •       |        | •       | •      |
| Printed Publications Trade   | 64/137  | 66/137 | 47%     | 4%     |
| People                       | 53/     | 53/123 |         | -      |
| Migrants                     | 106/139 | 45/136 | 10%     | 11%    |
| Tourists Departures/Arrivals | _       | 33/94  | _       | 26%    |
| International Students       | _       | 54/93  | _       | 50%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                     |
|---------|---------------------------|
| 61/140  | \$9,218                   |
| 4/140   | 45%                       |
| 10/138  | 8.1                       |
| 128/140 | 1.3                       |
| -       | No                        |
|         | 61/140<br>4/140<br>10/138 |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 31/129 | 4.8   |
| Infrastructure (+)        | 55/128 | 4.1   |
| Press Freedom (+)         | 56/137 | 74    |
| Labor Freedom (+)         | 49/140 | 68    |
| Financial Freedom (+)     | 18/136 | 70    |

| Globalization Policies          |         |       |  |  |  |
|---------------------------------|---------|-------|--|--|--|
|                                 | Rank    | Level |  |  |  |
| Enabling Trade Index (+)        | 29/128  | 4.7   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 117/120 | 0.6   |  |  |  |
| Capital Account Openness (+)    | 60/134  | 0.7   |  |  |  |
| Visa-Free Travel Outward (+)    | 55/140  | 124   |  |  |  |
| Visa-Free Travel Inward (+)     | 2/127   | 80    |  |  |  |

- Not Applicable

· Data Not Available

## **MEXICO**

#### **KEY SCORES AND TRENDS**

|                    |        | Rank           |        |        | Score  |        |  |
|--------------------|--------|----------------|--------|--------|--------|--------|--|
|                    | 2015   | 2013           | Change | 2015   | 2013   | Change |  |
| Overall            | 64/140 | 81/140         | 17     | 49/100 | 44/100 | 5      |  |
| Depth              | 83/140 | 89/140         | 6      | 24/50  | 21/50  | 3      |  |
| Breadth            | 61/140 | 66/140         | 5      | 25/50  | 22/50  | 3      |  |
| Trade Pillar       | 90/140 | 108/140        | 18     | 44/100 | 38/100 | 6      |  |
| Capital Pillar     | 25/72  | 28/72          | 3      | 63/100 | 55/100 | 8      |  |
| Information Pillar | 56/85  | 54/85          | -2     | 51/100 | 51/100 | 0      |  |
| People Pillar      | 91/102 | <b>92</b> /103 | 1      | 27/100 | 27/100 | 0      |  |

#### **CONNECTEDNESS SCORE TREND**

| 55<br>50<br>45<br>40<br>35<br>30 | 0    | -0-  | _0_  | -0-  | _0-  |      | _0_  |      | -0-  | -0-  | -0   |  |
|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|--|
| 25                               | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |  |

#### DEPTH

|                                                                | Ra      | nk             | Level   |        |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 74/140  |                | -       | -      |
| Merchandise Trade (% of GDP)                                   | 42/139  | 62/140         | 33%     | 35%    |
| Services Trade (% of GDP)                                      | 132/140 | 138/140        | 2%      | 3%     |
| Capital                                                        | 39      | /90            | -       | -      |
| FDI Stock (% of GDP)                                           | 52/133  | <b>81</b> /140 | 13%     | 37%    |
| FDI Flows (% of GFCF)                                          | 54/131  | 67/138         | 4%      | 13%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | 31/81          | •       | 30%    |
| Portfolio Equity Flows (% of Mkt Cap)                          |         | 48/86          |         | 1%     |
| Information                                                    | 75/     | 140            | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 94/     | 140            | 20,855  |        |
| International Phone Calls<br>(Minutes per Capita)              | 95/140  | 21/140         | 34      | 351    |
| Printed Publications Trade<br>(USD per Capita)                 | 52/137  | 69/137         | \$4     | \$6    |
| People                                                         | 88/112  |                | -       | -      |
| Migrants (% of Population)                                     | 46/139  | 110/139        | 10%     | 1%     |
| Tourists (Dep./Arr. per Capita)                                | 54/80   | 71/126         | 0.1     | 0.2    |
| International Students (% of Tertiary<br>Education Enrollment) | 115/126 | 103/116        | 1%      | 0%     |

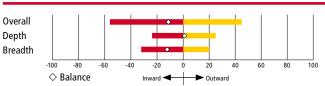
#### **ROOTED MAP**

#### **MEXICO'S MERCHANDISE EXPORTS, 2015** 2 MEXICO **Top Export Destinations Major Export Products** 1. U.S.A. (81%) 6. Spain (1%) Manufactured goods, oil and 2. Canada (3%) 7. Germany (1%) 8. Japan (1%) oil products, silver, fruits, 3. China (1%) vegetables, coffee, cotton 4. Brazil (1%) 9. South Korea (1%) 5. Colombia (1%) 10. France (1%) Mexico's Share of Partners' Imports 10% 5% 3% 0.5% 0.25% 1% unknown

#### **BREADTH**

|                              | Ra              | nk      | % Same  | Region |
|------------------------------|-----------------|---------|---------|--------|
|                              | Outward         | Inward  | Outward | Inward |
| Trade                        | 82/             | 140     | -       | -      |
| Merchandise Trade            | <b>119</b> /139 | 42/138  | 85%     | 51%    |
| Capital                      | 19/             | 79      | -       | -      |
| FDI Stock                    | 26/88           | 36/111  | 34%     | 52%    |
| FDI Flows                    | 26/77           | 23/99   | 19%     | 49%    |
| Portfolio Equity Stock       | 21/71           | _       | 35%     | -      |
| Information                  | 56              | 56/85   |         | -      |
| International Phone Calls    | 67/83           | 31/70   | 88%     | 97%    |
| Printed Publications Trade   | 74/137          | 63/137  | 72%     | 61%    |
| People                       | 100             | 100/123 |         | -      |
| Migrants                     | 104/139         | 73/136  | 98%     | 75%    |
| Tourists Departures/Arrivals |                 | 84/94   | _       | 89%    |
| International Students       |                 | •       | _       | •      |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |         |
|----------------------------|--------|---------|
|                            | Rank   | Level   |
| GDP per Capita (+)         | 63/140 | \$9,009 |
| Linguistic Commonality (+) | 71/140 | 5%      |
| Remoteness (-)             | 65/138 | 5.6     |
| Population (-)             | 10/140 | 127.0   |
| Landlocked (-)             |        | No      |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 90/129  | 3.8   |
| Infrastructure (+)        | 59/128  | 3.9   |
| Press Freedom (+)         | 118/137 | 53    |
| Labor Freedom (+)         | 76/140  | 60    |
| Financial Freedom (+)     | 38/136  | 60    |

| Globalization Policies          |        |       |  |  |  |  |
|---------------------------------|--------|-------|--|--|--|--|
|                                 | Rank   | Level |  |  |  |  |
| Enabling Trade Index (+)        | 61/128 | 4.1   |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | •      |       |  |  |  |  |
| Capital Account Openness (+)    | 60/134 | 0.7   |  |  |  |  |
| Visa-Free Travel Outward (+)    | 49/140 | 133   |  |  |  |  |
| Visa-Free Travel Inward (+)     | 96/127 | 22    |  |  |  |  |

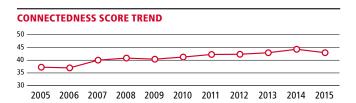
- Not Applicable

· Data Not Available

# **MOLDOVA**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 84/140  | 82/140  | -2     | 43/100 | 43/100 | 0      |  |
| Depth              | 31/140  | 34/140  | 3      | 33/50  | 32/50  | 1      |  |
| Breadth            | 118/140 | 113/140 | -5     | 10/50  | 11/50  | -1     |  |
| Trade Pillar       | 84/140  | 75/140  | -9     | 46/100 | 48/100 | -2     |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | 66/85   | 70/85   | 4      | 46/100 | 42/100 | 4      |  |
| People Pillar      | 58/102  | 58/103  | 0      | 48/100 | 49/100 | -1     |  |

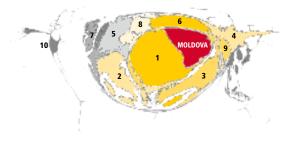


#### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 24/140  |         | -       | _      |
| Merchandise Trade (% of GDP)                                   | 52/139  | 17/140  | 31%     | 62%    |
| Services Trade (% of GDP)                                      | 38/140  | 39/140  | 15%     | 12%    |
| Capital                                                        |         |         |         | -      |
| FDI Stock (% of GDP)                                           | 87/133  | 46/140  | 3%      | 55%    |
| FDI Flows (% of GFCF)                                          | 71/131  | 64/138  | 2%      | 14%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | ·       |         |         |        |
| Information                                                    | 50/     | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 17/*    | 140     | 194,898 |        |
| International Phone Calls<br>(Minutes per Capita)              | 73/140  | 23/140  | 68      | 331    |
| Printed Publications Trade<br>(USD per Capita)                 | 95/137  | 94/137  | \$0     | \$3    |
| People                                                         | 63/     | 112     | -       | -      |
| Migrants (% of Population)                                     | 17/139  | 76/139  | 22%     | 4%     |
| Tourists (Dep./Arr. per Capita)                                | 74/80   | 113/126 | 0.0     | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 14/126  | 69/116  | 14%     | 2%     |

#### **ROOTED MAP**

#### **MOLDOVA'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations** 1.

| 1. Romania (23%) | 6. Belarus (6%)    |
|------------------|--------------------|
| 2. Italy (10%)   | 7. U.K. (3%)       |
| 3. Turkey (9%)   | 8. Poland (3%)     |
| 4. Russia (8%)   | 9. Kazakhstan (2%) |
| 5. Germany (7%)  | 10. U.S.A. (2%)    |
|                  |                    |

**Major Export Products** ..... chir iery

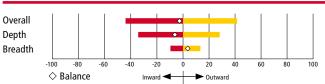
| Foodstuff | s, textiles | , machine |
|-----------|-------------|-----------|
|           |             |           |
|           |             |           |

| Moldova | 's Share | of Partners | ' Imports |       |        |         |
|---------|----------|-------------|-----------|-------|--------|---------|
| 0.25    | 5% 0.1   | % 0.05%     | 0.02%     | 0.01% | 0.005% | unknown |
|         |          |             |           |       |        |         |

#### **BREADTH**

|                              | Rank    |         | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 122/140 |         | -       | -      |
| Merchandise Trade            | 102/139 | 131/138 | 77%     | 89%    |
| Capital                      |         |         | -       | -      |
| FDI Stock                    | 75/88   | 63/111  | 88%     | 91%    |
| FDI Flows                    | •       | •       | •       | •      |
| Portfolio Equity Stock       |         |         |         |        |
| Information                  | 78/85   |         |         | -      |
| International Phone Calls    | 76/83   | 63/70   | 97%     | 97%    |
| Printed Publications Trade   | 78/137  | 81/137  | 95%     | 82%    |
| People                       | 57/     | 57/123  |         | -      |
| Migrants                     | 80/139  | 81/136  | 90%     | 94%    |
| Tourists Departures/Arrivals | _       | 47/94   | _       | 83%    |
| International Students       | _       | •       | _       | •      |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 110/140 | \$1,805 |
| Linguistic Commonality (+) | 100/140 | 0%      |
| Remoteness (-)             | 109/138 | 3.0     |
| Population (-)             | 107/140 | 4.1     |
| Landlocked (-)             | -       | No      |
|                            |         |         |

| General Policies/Environment |                                               |  |  |  |
|------------------------------|-----------------------------------------------|--|--|--|
| Rank                         | Level                                         |  |  |  |
| 97/129                       | 3.7                                           |  |  |  |
| 82/128                       | 3.5                                           |  |  |  |
| 60/137                       | 74                                            |  |  |  |
| 131/140                      | 41                                            |  |  |  |
| 68/136                       | 50                                            |  |  |  |
|                              | Rank<br>97/129<br>82/128<br>60/137<br>131/140 |  |  |  |

| Globalization Policies |                                      |  |  |  |  |  |
|------------------------|--------------------------------------|--|--|--|--|--|
| Rank                   | Level                                |  |  |  |  |  |
| 87/128                 | 3.7                                  |  |  |  |  |  |
| 65/120                 | 2.5                                  |  |  |  |  |  |
| <b>91</b> /134         | 0.2                                  |  |  |  |  |  |
| 69/140                 | 95                                   |  |  |  |  |  |
| 106/127                | 18                                   |  |  |  |  |  |
|                        | 87/128<br>65/120<br>91/134<br>69/140 |  |  |  |  |  |

- Not Applicable

· Data Not Available

# **MONGOLIA**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank           |        |        | Score  |        |  |  |
|--------------------|---------|----------------|--------|--------|--------|--------|--|--|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |  |  |
| Overall            | 94/140  | 88/140         | -6     | 40/100 | 41/100 | -1     |  |  |
| Depth              | 73/140  | 64/140         | -9     | 26/50  | 28/50  | -2     |  |  |
| Breadth            | 111/140 | 108/140        | -3     | 14/50  | 13/50  | 1      |  |  |
| Trade Pillar       | 112/140 | 92/140         | -20    | 35/100 | 42/100 | -7     |  |  |
| Capital Pillar     | 58/72   | 59/72          | 1      | 42/100 | 36/100 | 6      |  |  |
| Information Pillar | •       | •              | •      | •      | •      | •      |  |  |
| People Pillar      | 68/102  | <b>69</b> /103 | 1      | 41/100 | 40/100 | 1      |  |  |

#### **CONNECTEDNESS SCORE TREND**

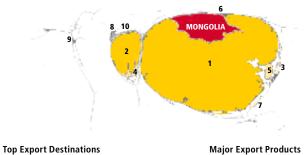
| 50<br>45<br>40<br>35<br>30<br>25 | 0    | ~~~  |      | _0_  | _0   | ~    | ~    | -0-  | ~~   | -0-  | ~    |
|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| 20                               | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Ra       | nk              | Le      | vel    |
|----------------------------------------------------------------|----------|-----------------|---------|--------|
|                                                                | Outward  | Inward          | Outward | Inward |
| Trade                                                          | e 46/140 |                 | -       | -      |
| Merchandise Trade (% of GDP)                                   | 32/139   | 67/140          | 40%     | 32%    |
| Services Trade (% of GDP)                                      | 91/140   | 35/140          | 6%      | 13%    |
| Capital                                                        | 41/      | '90             | -       | _      |
| FDI Stock (% of GDP)                                           | 84/133   | 11/140          | 3%      | 143%   |
| FDI Flows (% of GFCF)                                          | 73/131   | 36/138          | 1%      | 21%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 37/82    | 54/81           | 30%     | 13%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 23/84    | 68/86           | 4%      | 0%     |
| Information                                                    | 91/      | 140             | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 18/      | 140             | 159     | ,595   |
| International Phone Calls<br>(Minutes per Capita)              | 122/140  | 90/140          | 12      | 98     |
| Printed Publications Trade<br>(USD per Capita)                 | 128/137  | 101/137         | \$0     | \$2    |
| People                                                         | 96/      | 112             | -       | -      |
| Migrants (% of Population)                                     | 116/139  | <b>119</b> /139 | 2%      | 1%     |
| Tourists (Dep./Arr. per Capita)                                | •        | 80/126          | •       | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 59/126   | 89/116          | 5%      | 1%     |

#### **ROOTED MAP**

#### **MONGOLIA'S MERCHANDISE EXPORTS, 2015**



| 1. China (84%)      | 6. Russia (1%)     |
|---------------------|--------------------|
| 2. Switzerland (9%) | 7. Taiwan (< 1%)   |
| 3. Japan (1%)       | 8. U.K. (< 1%)     |
| 4. Italy (1%)       | 9. U.S.A. (< 1%)   |
| 5. South Korea (1%) | 10. Germany (< 1%) |

**Major Export Products** Copper, apparel, livestock, animal products, cashmere, wool, hides, fluorspar, other nonferrous metals, coal, crude oil

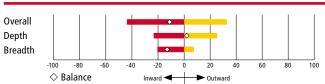
#### Mongolia's Share of Partners' Imports

| 0.2 | .% 0.1 | 0.0 | 2% 0.0 | 1% 0.00 | % unknow |
|-----|--------|-----|--------|---------|----------|
|     |        |     |        |         |          |

#### **BREADTH**

|                              | Ra      | Rank    |         | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 132     | /140    | -       | -      |
| Merchandise Trade            | 136/139 | 119/138 | 87%     | 56%    |
| Capital                      | 62      | /79     | -       | -      |
| FDI Stock                    | •       | 54/111  | •       | 27%    |
| FDI Flows                    | •       | 46/99   | •       | 29%    |
| Portfolio Equity Stock       | 55/71   |         | 68%     | _      |
| Information                  |         |         | -       | -      |
| International Phone Calls    |         | •       | •       |        |
| Printed Publications Trade   | 49/137  | 35/137  | 57%     | 47%    |
| People                       | 44/     | 123     | -       | -      |
| Migrants                     | 99/139  | 54/136  | 33%     | 74%    |
| Tourists Departures/Arrivals | _       | 60/94   | _       | 61%    |
| International Students       | _       | 20/93   | _       | 65%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                       |
|---------|-----------------------------|
| 92/140  | \$3,952                     |
| 108/140 | 0%                          |
| 94/138  | 4.0                         |
| 114/140 | 3.0                         |
| _       | Yes                         |
|         | 92/140<br>108/140<br>94/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 97/129  | 3.7   |
| Infrastructure (+)        | 103/128 | 3.0   |
| Press Freedom (+)         | 45/137  | 77    |
| Labor Freedom (+)         | 16/140  | 83    |
| Financial Freedom (+)     | 38/136  | 60    |

| Globalization Policies          |         |       |  |  |  |  |
|---------------------------------|---------|-------|--|--|--|--|
|                                 | Rank    | Level |  |  |  |  |
| Enabling Trade Index (+)        | 121/128 | 3.0   |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 39/120  | 5.0   |  |  |  |  |
| Capital Account Openness (+)    | 52/134  | 0.8   |  |  |  |  |
| Visa-Free Travel Outward (+)    | 108/140 | 52    |  |  |  |  |
| Visa-Free Travel Inward (+)     | 19/127  | 64    |  |  |  |  |

- Not Applicable

· Data Not Available

# **MONTENEGRO**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |  |
| Overall            | 96/140  | 97/140  | 1      | 39/100 | 36/100 | 3      |  |  |
| Depth              | 34/140  | 36/140  | 2      | 33/50  | 32/50  | 1      |  |  |
| Breadth            | 128/140 | 134/140 | 6      | 7/50   | 4/50   | 3      |  |  |
| Trade Pillar       | 114/140 | 123/140 | 9      | 34/100 | 30/100 | 4      |  |  |
| Capital Pillar     | · ·     | •       | •      | •      | •      | •      |  |  |
| Information Pillar | •       | •       | •      | •      | •      | •      |  |  |
| People Pillar      | · ·     | •       | •      | •      | •      | •      |  |  |

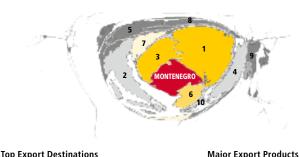
#### CONNECTEDNESS SCORE TREND 45 40 35 30 25 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

#### DEPTH

|                                                                | Ra             | nk     | Le      | vel    |
|----------------------------------------------------------------|----------------|--------|---------|--------|
|                                                                | Outward        | Inward | Outward | Inward |
| Trade                                                          | 60/            | 140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 129/139        | 34/140 | 9%      | 51%    |
| Services Trade (% of GDP)                                      | 8/140          | 45/140 | 33%     | 11%    |
| Capital                                                        | 28/            | 90     | -       | -      |
| FDI Stock (% of GDP)                                           | 66/133         | 15/140 | 10%     | 108%   |
| FDI Flows (% of GFCF)                                          | 67/131         | 9/138  | 2%      | 57%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •              | •      | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | 54/84          | 53/86  | 1%      | 0%     |
| Information                                                    | 35/            | 140    | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 38/            | 140    | 102,166 |        |
| International Phone Calls<br>(Minutes per Capita)              | 45/140         | 43/140 | 178     | 225    |
| Printed Publications Trade<br>(USD per Capita)                 | 54/137         | 32/137 | \$4     | \$19   |
| People                                                         |                |        | -       | -      |
| Migrants (% of Population)                                     | <b>16</b> /139 | 32/139 | 22%     | 13%    |
| Tourists (Dep./Arr. per Capita)                                | •              | 9/126  | •       | 2.2    |
| International Students (% of Tertiary<br>Education Enrollment) | 6/126          | •      | 22%     | •      |

#### **ROOTED MAP**

#### **MONTENEGRO'S MERCHANDISE EXPORTS, 2015**

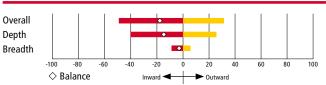


|                |                                                                                  | major Export                                                                                                                      | inouucis                                                                                                                     |
|----------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 6. Albania (4  | 1%)                                                                              | Not available                                                                                                                     |                                                                                                                              |
| 7. Slovenia (  | 4%)                                                                              |                                                                                                                                   |                                                                                                                              |
| 8. Poland (3   | %)                                                                               |                                                                                                                                   |                                                                                                                              |
| 9. China (3%   | b)                                                                               |                                                                                                                                   |                                                                                                                              |
| 10. Greece (2  | %)                                                                               |                                                                                                                                   |                                                                                                                              |
| Partners' Impo | rts                                                                              |                                                                                                                                   |                                                                                                                              |
| .05% 0.02%     | 0.01%                                                                            | 0.005%                                                                                                                            | unknown                                                                                                                      |
|                | 7. Slovenia (<br>8. Poland (3<br>9. China (3%<br>10. Greece (2<br>Partners' Impo | 6. Albania (4%)<br>7. Slovenia (4%)<br>8. Poland (3%)<br>9. China (3%)<br>10. Greece (2%)<br>Partners' Imports<br>05% 0.02% 0.01% | 6. Albania (4%) Not available<br>7. Slovenia (4%)<br>8. Poland (3%)<br>9. China (3%)<br>10. Greece (2%)<br>Partners' Imports |

#### BREADTH

|                              | Ra              | Rank    |         | Region |
|------------------------------|-----------------|---------|---------|--------|
|                              | Outward         | Inward  | Outward | Inward |
| Trade                        | 124             | 124/140 |         | -      |
| Merchandise Trade            | 120/139         | 120/138 | 83%     | 80%    |
| Capital                      |                 |         | -       | -      |
| FDI Stock                    | •               | 85/111  | •       | 88%    |
| FDI Flows                    | •               | 80/99   | •       | 92%    |
| Portfolio Equity Stock       | ·               |         |         | _      |
| Information                  |                 |         | -       | -      |
| International Phone Calls    | •               | •       | •       | •      |
| Printed Publications Trade   | <b>129</b> /137 | 135/137 | 99%     | 97%    |
| People                       | 109             | /123    | -       | -      |
| Migrants                     | 130/139         | 103/136 | 97%     | 99%    |
| Tourists Departures/Arrivals | _               | 71/94   | _       | 96%    |
| International Students       | _               | •       |         | •      |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 70/140  | \$6,489 |
| Linguistic Commonality (+) | 108/140 | 0%      |
| Remoteness (-)             | •       | •       |
| Population (-)             | 132/140 | 0.6     |
| Landlocked (-)             | _       | No      |
|                            |         |         |

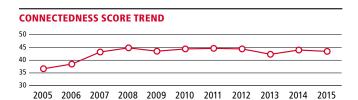
| Rank Level                |        |     |  |  |
|---------------------------|--------|-----|--|--|
| Operating Environment (+) | 48/129 | 4.4 |  |  |
| Infrastructure (+)        | 59/128 | 3.9 |  |  |
| Press Freedom (+)         | 90/137 | 65  |  |  |
| Labor Freedom (+)         | 25/140 | 78  |  |  |
| Financial Freedom (+)     | 68/136 | 50  |  |  |

| Rank   | Level                      |
|--------|----------------------------|
| 45/128 | 4.3                        |
| 64/120 | 2.6                        |
| •      | •                          |
| 65/140 | 104                        |
| 52/127 | 28                         |
|        | 45/128<br>64/120<br>65/140 |

# **MOROCCO**

#### **KEY SCORES AND TRENDS**

|                    |        | Rank           |        |        | Score  |        |  |  |
|--------------------|--------|----------------|--------|--------|--------|--------|--|--|
|                    | 2015   | 2013           | Change | 2015   | 2013   | Change |  |  |
| Overall            | 82/140 | 84/140         | 2      | 43/100 | 42/100 | 1      |  |  |
| Depth              | 94/140 | 95/140         | 1      | 20/50  | 19/50  | 1      |  |  |
| Breadth            | 66/140 | 65/140         | -1     | 24/50  | 23/50  | 1      |  |  |
| Trade Pillar       | 53/140 | <b>51</b> /140 | -2     | 56/100 | 57/100 | -1     |  |  |
| Capital Pillar     | 67/72  | 67/72          | 0      | 25/100 | 24/100 | 1      |  |  |
| Information Pillar | •      | •              | •      | •      | •      | •      |  |  |
| People Pillar      | 63/102 | 65/103         | 2      | 43/100 | 43/100 | 0      |  |  |

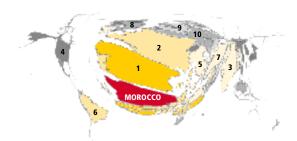


#### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 69/     | 69/140  |         | -      |
| Merchandise Trade (% of GDP)                                   | 82/139  | 58/140  | 21%     | 36%    |
| Services Trade (% of GDP)                                      | 44/140  | 91/140  | 13%     | 7%     |
| Capital                                                        | 76      | '90     | -       | -      |
| FDI Stock (% of GDP)                                           | 79/133  | 55/140  | 4%      | 47%    |
| FDI Flows (% of GFCF)                                          | 72/131  | 75/138  | 2%      | 11%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 62/82   | 71/81   | 2%      | 5%     |
| Portfolio Equity Flows (% of Mkt Cap)                          | 80/84   | 61/86   | 0%      | 0%     |
| Information                                                    | 100     | /140    | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 97/     | 140     | 18,316  |        |
| International Phone Calls<br>(Minutes per Capita)              | 113/140 | 76/140  | 18      | 137    |
| Printed Publications Trade<br>(USD per Capita)                 | 84/137  | 83/137  | \$1     | \$4    |
| People                                                         | 69/     | 112     | -       | -      |
| Migrants (% of Population)                                     | 49/139  | 132/139 | 8%      | 0%     |
| Tourists (Dep./Arr. per Capita)                                | 70/80   | 64/126  | 0.1     | 0.3    |
| International Students (% of Tertiary<br>Education Enrollment) | 29/126  | 69/116  | 9%      | 2%     |

#### **ROOTED MAP**

#### **MOROCCO'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| Top Export Destinations |                     | Major Export Products                     |
|-------------------------|---------------------|-------------------------------------------|
| 1. Spain (22%)          | 6. Brazil (4%)      | Clothing and textiles, automobiles,       |
| 2. France (20%)         | 7. Turkey (3%)      | electric components, inorganic chemicals, |
| 3. India (5%)           | 8. U.K. (3%)        | transistors, crude minerals, fertilizers  |
| 4. U.S.A. (4%)          | 9. Netherlands (3%) | (including phosphates), petroleum         |
| 5. Italy (4%)           | 10. Germany (3%)    | products, citrus fruits, vegetables, fish |
|                         |                     |                                           |

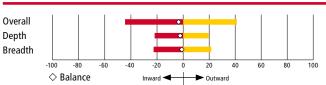
#### Morocco's Share of Partners' Imports

| 1 | % 0.7 | 5% 0. | 4% 0.2 | 70 U.I | % 0.0 | 5% | unknown |
|---|-------|-------|--------|--------|-------|----|---------|
|   |       |       |        |        |       |    |         |

#### **BREADTH**

|                              | Ra             | Rank    |         | Region |   |   |
|------------------------------|----------------|---------|---------|--------|---|---|
|                              | Outward        | Inward  | Outward | Inward |   |   |
| Trade                        | 51/140         |         | -       | -      |   |   |
| Merchandise Trade            | 70/139         | 40/138  | 5%      | 10%    |   |   |
| Capital                      | 69/79          |         | 69/79   |        | - | - |
| FDI Stock                    | 45/88          | 96/111  | 6%      | 37%    |   |   |
| FDI Flows                    | 70/77          | 73/99   | 7%      | 22%    |   |   |
| Portfolio Equity Stock       |                |         |         | _      |   |   |
|                              |                |         |         |        |   |   |
| Information                  |                |         | -       | -      |   |   |
| International Phone Calls    | •              | ·       | •       | •      |   |   |
| Printed Publications Trade   | 54/137         | 111/137 | 3%      | 19%    |   |   |
|                              |                |         |         |        |   |   |
| People                       | 64/            | 123     | -       | -      |   |   |
| Migrants                     | <b>97</b> /139 | 79/136  | 7%      | 34%    |   |   |
| Tourists Departures/Arrivals | -              | 40/94   | -       | 7%     |   |   |
| International Students       | -              | 62/93   | _       | 20%    |   |   |

#### DIRECTIONALITY



| Rank    | Level                       |
|---------|-----------------------------|
| 100/140 | \$3,079                     |
| 43/140  | 11%                         |
| 91/138  | 4.1                         |
| 35/140  | 34.4                        |
| -       | No                          |
|         | 100/140<br>43/140<br>91/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 40/129  | 4.5   |
| Infrastructure (+)        | 50/128  | 4.2   |
| Press Freedom (+)         | 102/137 | 59    |
| Labor Freedom (+)         | 135/140 | 33    |
| Financial Freedom (+)     | 38/136  | 60    |

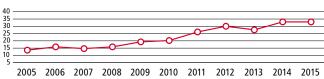
| Globalization Policies          |                |       |  |  |  |  |  |
|---------------------------------|----------------|-------|--|--|--|--|--|
|                                 | Rank           | Level |  |  |  |  |  |
| Enabling Trade Index (+)        | 37/128         | 4.4   |  |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 60/120         | 3.0   |  |  |  |  |  |
| Capital Account Openness (+)    | <b>91</b> /134 | 0.2   |  |  |  |  |  |
| Visa-Free Travel Outward (+)    | 102/140        | 56    |  |  |  |  |  |
| Visa-Free Travel Inward (+)     | 44/127         | 30    |  |  |  |  |  |

# **MOZAMBIQUE**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |
|--------------------|---------|---------|--------|--------|--------|--------|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |
| Overall            | 113/140 | 125/140 | 12     | 33/100 | 28/100 | 5      |
| Depth              | 87/140  | 85/140  | -2     | 23/50  | 22/50  | 1      |
| Breadth            | 120/140 | 132/140 | 12     | 10/50  | 5/50   | 5      |
| Trade Pillar       | 80/140  | 97/140  | 17     | 47/100 | 39/100 | 8      |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |
| Information Pillar | •       | •       | •      | •      | •      | •      |
| People Pillar      | 101/102 | 102/103 | 1      | 17/100 | 17/100 | 0      |

#### **CONNECTEDNESS SCORE TREND**

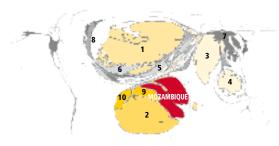


#### DEPTH

|                                                                | Ra             | nk      | Le      | vel    |
|----------------------------------------------------------------|----------------|---------|---------|--------|
|                                                                | Outward        | Inward  | Outward | Inward |
| Trade                                                          | 38/            | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | <b>59</b> /139 | 27/140  | 28%     | 55%    |
| Services Trade (% of GDP)                                      | 103/140        | 11/140  | 5%      | 22%    |
| Capital                                                        |                |         | -       | -      |
| FDI Stock (% of GDP)                                           | 129/133        | 8/140   | 0%      | 192%   |
| FDI Flows (% of GFCF)                                          | 94/131         | 5/138   | 0%      | 85%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •              | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •              | ·       |         |        |
| Information                                                    | 125            | /140    | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 119/           | /140    | 6,1     | 45     |
| International Phone Calls<br>(Minutes per Capita)              | 123/140        | 128/140 | 10      | 24     |
| Printed Publications Trade<br>(USD per Capita)                 | 118/137        | 108/137 | \$0     | \$2    |
| People                                                         | 105            | /112    | -       | -      |
| Migrants (% of Population)                                     | 111/139        | 114/139 | 3%      | 1%     |
| Tourists (Dep./Arr. per Capita)                                | •              | 95/126  | •       | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 100/126        | 94/116  | 1%      | 0%     |

#### **ROOTED MAP**

#### **MOZAMBIQUE'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

1. Netherlands (30%) 6. Belgium (3%) 2. South Africa (18%) 7. China (3%) 3. India (11%) 8. U.K. (3%) 4. Singapore (5%) 9. Zimbabwe (2%) 5. Italy (3%) 10. Namibia (2%)

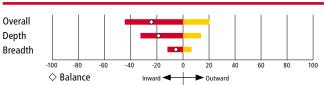
**Major Export Products** Aluminum, prawns, cashews, cotton, sugar, citrus, timber, bulk electricity

| Mozambique's Share of Partners' Imports |    |      |      |       |       |       |         |
|-----------------------------------------|----|------|------|-------|-------|-------|---------|
|                                         | 1% | 0.5% | 0.1% | 0.05% | 0.02% | 0.01% | unknown |
|                                         |    |      |      |       |       |       |         |

#### **BREADTH**

|                              | Ra      | Rank    |         | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 111     | '140    | -       | -      |
| Merchandise Trade            | 107/139 | 102/138 | 25%     | 32%    |
| Capital                      |         |         | -       | -      |
| FDI Stock                    | 88/88   | 76/111  | 46%     | 21%    |
| FDI Flows                    | •       | 83/99   | •       | 17%    |
| Portfolio Equity Stock       | ·       |         |         | _      |
| Information                  |         |         | -       | -      |
| International Phone Calls    | •       | •       | •       | •      |
| Printed Publications Trade   | 134/137 | 129/137 |         | 38%    |
| People                       | 110     | 110/123 |         | -      |
| Migrants                     | 138/139 |         | 88%     | •      |
| Tourists Departures/Arrivals | _       | •       | _       | •      |
| International Students       | -       | 66/93   | _       | 47%    |

#### DIRECTIONALITY



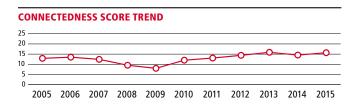
#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                       |
|---------|-----------------------------|
| 136/140 | \$535                       |
| 83/140  | 3%                          |
| 14/138  | 8.0                         |
| 42/140  | 28.0                        |
| _       | No                          |
|         | 136/140<br>83/140<br>14/138 |

| General Policies/Environment |         |     |  |  |  |  |  |
|------------------------------|---------|-----|--|--|--|--|--|
| Rank Le                      |         |     |  |  |  |  |  |
| Operating Environment (+)    | 105/129 | 3.6 |  |  |  |  |  |
| Infrastructure (+)           | 125/128 | 2.4 |  |  |  |  |  |
| Press Freedom (+)            | 69/137  | 71  |  |  |  |  |  |
| Labor Freedom (+)            | 133/140 | 38  |  |  |  |  |  |
| Financial Freedom (+)        | 68/136  | 50  |  |  |  |  |  |

| Rank           | Level                                                       |
|----------------|-------------------------------------------------------------|
| 105/128        | 3.5                                                         |
| 46/120         | 4.2                                                         |
| <b>91</b> /134 | 0.2                                                         |
| 117/140        | 49                                                          |
| 8/127          | 71                                                          |
|                | 105/128           46/120           91/134           117/140 |

|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 137/140 | 138/140 | 1      | 16/100 | 16/100 | 0      |  |
| Depth              | 135/140 | 133/140 | -2     | 6/50   | 8/50   | -2     |  |
| Breadth            | 122/140 | 122/140 | 0      | 10/50  | 8/50   | 2      |  |
| Trade Pillar       | 137/140 | 140/140 | 3      | 18/100 | 17/100 | 1      |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | •       | •       | •      | •      | •      | •      |  |
| People Pillar      | 94/102  | 94/103  | 0      | 26/100 | 27/100 | -1     |  |



#### DEPTH

|                                                                | Rank    |         | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 126     | /140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 128/139 | 104/140 | 9%      | 24%    |
| Services Trade (% of GDP)                                      | 84/140  | 125/140 | 6%      | 4%     |
| Capital                                                        |         |         |         | -      |
| FDI Stock (% of GDP)                                           | •       | 98/140  | •       | 31%    |
| FDI Flows (% of GFCF)                                          | •       | 81/138  | •       | 10%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          |         | •       |         | •      |
| Information                                                    | 133     | /140    |         | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 126     | /140    | 3,6     | 576    |
| International Phone Calls<br>(Minutes per Capita)              | 96/140  | 136/140 | 34      | 11     |
| Printed Publications Trade<br>(USD per Capita)                 | 137/137 | 137/137 | \$0     | \$0    |
| People                                                         | 106     | /112    | -       | -      |
| Migrants (% of Population)                                     | 78/139  | 135/139 | 5%      | 0%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 97/126  | •       | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 108/126 | 116/116 | 1%      | 0%     |

#### **ROOTED MAP**

# MYANMAR'S MERCHANDISE EXPORTS, 2015 9 6 1 5 4 9 6 3 0 2 10 5 4 2 10 2 10 8 8 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10<

| Myanma | r's Share | of Partne | rs' Import | s     |       |         |
|--------|-----------|-----------|------------|-------|-------|---------|
| 19     | 6 0.5     | % 0.3%    | 0.1%       | 0.05% | 0.01% | unknown |
|        |           |           |            |       |       |         |

#### BREADTH

|                              | Ra      | nk      | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 119     | '140    | -       | -      |
| Merchandise Trade            | 108/139 | 124/138 | 82%     | 91%    |
| Capital                      |         |         | -       | -      |
| FDI Stock                    | •       | 109/111 | •       | 100%   |
| FDI Flows                    | •       | 93/99   | •       | 95%    |
| Portfolio Equity Stock       | ·       | _       | •       | _      |
| Information                  |         |         | -       | -      |
| International Phone Calls    |         | •       | •       |        |
| Printed Publications Trade   | 136/137 | 94/137  | 63%     | 87%    |
| People                       | 72/     | 123     | _       | -      |
| Migrants                     | 123/139 | 75/136  | 79%     | 53%    |
| Tourists Departures/Arrivals | _       | 76/94   | _       | 89%    |
| International Students       | -       | 28/93   | _       | 97%    |

#### DIRECTIONALITY

#### Not Available

| Rank    | Level                        |
|---------|------------------------------|
| 119/140 | \$1,292                      |
| 107/140 | 0%                           |
| 68/138  | 5.3                          |
| 24/140  | 53.9                         |
| _       | No                           |
|         | 119/140<br>107/140<br>68/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 126/129 | 2.9   |
| Infrastructure (+)        | 128/128 | 2.1   |
| Press Freedom (+)         | 114/137 | 55    |
| Labor Freedom (+)         | 22/140  | 79    |
| Financial Freedom (+)     | 136/136 | 10    |

| Globalization Policies          |         |       |  |  |  |
|---------------------------------|---------|-------|--|--|--|
|                                 | Rank    | Level |  |  |  |
| Enabling Trade Index (+)        | 114/128 | 3.2   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | •       | •     |  |  |  |
| Capital Account Openness (+)    | 123/134 | 0.0   |  |  |  |
| Visa-Free Travel Outward (+)    | 131/140 | 40    |  |  |  |
| Visa-Free Travel Inward (+)     | 120/127 | 3     |  |  |  |

# NAMIBIA

#### **KEY SCORES AND TRENDS**

|                    |         | Rank           |        |        | Score  |        |  |
|--------------------|---------|----------------|--------|--------|--------|--------|--|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |  |
| Overall            | 119/140 | 114/140        | -5     | 31/100 | 32/100 | -1     |  |
| Depth              | 64/140  | 60/140         | -4     | 28/50  | 29/50  | -1     |  |
| Breadth            | 140/140 | 140/140        | 0      | 3/50   | 3/50   | 0      |  |
| Trade Pillar       | 102/140 | 101/140        | -1     | 38/100 | 39/100 | -1     |  |
| Capital Pillar     | •       | •              | •      | •      | •      | •      |  |
| Information Pillar | 82/85   | 83/85          | 1      | 30/100 | 26/100 | 4      |  |
| People Pillar      | •       | <b>59</b> /103 | •      | •      | 47/100 | •      |  |

#### **CONNECTEDNESS SCORE TREND** 40 35 -0-0 0 0 30 25

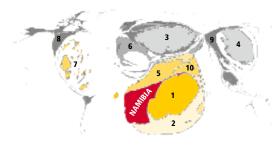
#### 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

#### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 37/     | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 48/139  | 24/140  | 32%     | 58%    |
| Services Trade (% of GDP)                                      | 70/140  | 74/140  | 9%      | 8%     |
| Capital                                                        | 67/     | /90     |         | _      |
| FDI Stock (% of GDP)                                           | 101/133 | 99/140  | 2%      | 29%    |
| FDI Flows (% of GFCF)                                          | 110/131 | 39/138  | 0%      | 21%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 8/82    | 80/81   | 142%    | 0%     |
| Portfolio Equity Flows (% of Mkt Cap)                          | 45/84   | 47/86   | 1%      | 1%     |
| Information                                                    | 83/     | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 92/     | 140     | 22,     | 546    |
| International Phone Calls<br>(Minutes per Capita)              | 59/140  | 101/140 | 101     | 80     |
| Printed Publications Trade<br>(USD per Capita)                 | 65/137  | 44/137  | \$2     | \$13   |
| People                                                         |         |         | -       | _      |
| Migrants (% of Population)                                     | 68/139  | 71/139  | 6%      | 4%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 50/126  | •       | 0.5    |
| International Students (% of Tertiary<br>Education Enrollment) | · ·     | 15/116  | · ·     | 11%    |

#### **ROOTED MAP**

#### NAMIBIA'S MERCHANDISE EXPORTS, 2014



#### **Top Export Destinations**

6. Spain (4%) 7. The Bahamas (4%) 1. Botswana (17%) 2. South Africa (13%) 3. Switzerland (12%) 8. U.S.A. (4%) 4. South Korea (9%) 9. China (3%) 5. Angola (7%) 10. Zambia (3%)

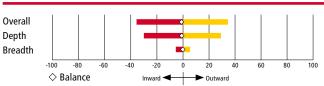
**Major Export Products** Diamonds, copper, gold, zinc, lead, uranium, cattle, white fish and mollusks

| Namibi | a's Sha | re | of Partn | ers' Impo | orts   |      |     |         |
|--------|---------|----|----------|-----------|--------|------|-----|---------|
| 1      | 0%      | 29 | % 1º     | % 0.5     | 5% 0.1 | % 0. | 05% | unknown |
|        |         |    |          |           |        |      |     |         |

#### **BREADTH**

|                              | Ra       | nk      | % Same  | Region |
|------------------------------|----------|---------|---------|--------|
|                              | Outward  | Inward  | Outward | Inward |
| Trade                        | 133      | /140    | -       | -      |
| Merchandise Trade            | 116/139  | 135/138 | 46%     | 64%    |
| Capital                      |          |         | -       | -      |
| FDI Stock                    | •        | 111/111 | •       | 100%   |
| FDI Flows                    | •        | •       | •       | •      |
| Portfolio Equity Stock       | <u> </u> |         |         |        |
| Information                  | 84       | /85     | _       | -      |
| International Phone Calls    | 81/83    | 68/70   | 96%     | 98%    |
| Printed Publications Trade   | 130/137  | 130/137 | 87%     | 74%    |
| People                       | 105      | /123    | _       | -      |
| Migrants                     | 136/139  | 44/136  | 95%     | 75%    |
| Tourists Departures/Arrivals | _        | 85/94   | _       | 79%    |
| International Students       | _        | •       | _       | •      |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

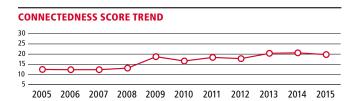
| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 75/140  | \$5,777 |
| Linguistic Commonality (+) | 13/140  | 39%     |
| Remoteness (-)             | 13/138  | 8.0     |
| Population (-)             | 118/140 | 2.5     |
| Landlocked (-)             | -       | No      |
|                            |         |         |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 70/129  | 4.1   |
| Infrastructure (+)        | 82/128  | 3.5   |
| Press Freedom (+)         | 17/137  | 94    |
| Labor Freedom (+)         | 7/140   | 91    |
| Financial Freedom (+)     | 101/136 | 40    |

| Rank    | Level                                 |
|---------|---------------------------------------|
| 75/128  | 3.9                                   |
| 115/120 | 0.8                                   |
| 91/134  | 0.2                                   |
| 82/140  | 70                                    |
| 96/127  | 22                                    |
|         | 75/128<br>115/120<br>91/134<br>82/140 |

- Not Applicable

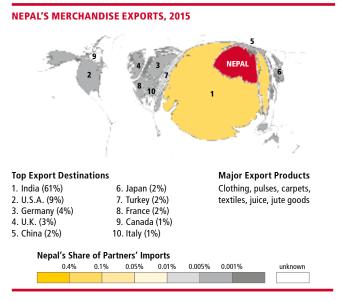
|                    |         | Rank    |        |        | Score  |        |
|--------------------|---------|---------|--------|--------|--------|--------|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |
| Overall            | 132/140 | 134/140 | 2      | 20/100 | 20/100 | 0      |
| Depth              | 136/140 | 135/140 | -1     | 6/50   | 7/50   | -1     |
| Breadth            | 110/140 | 104/140 | -6     | 14/50  | 14/50  | 0      |
| Trade Pillar       | 132/140 | 133/140 | 1      | 23/100 | 24/100 | -1     |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |
| Information Pillar | •       | •       | •      | •      | •      | •      |
| People Pillar      | 72/102  | 76/103  | 4      | 39/100 | 38/100 | 1      |



#### DEPTH

|                                                                | Ra      | nk             | Le      | Level  |  |
|----------------------------------------------------------------|---------|----------------|---------|--------|--|
|                                                                | Outward | Inward         | Outward | Inward |  |
| Trade                                                          | 117     | /140           | -       | -      |  |
| Merchandise Trade (% of GDP)                                   | 138/139 | 79/140         | 3%      | 30%    |  |
| Services Trade (% of GDP)                                      | 95/140  | 104/140        | 5%      | 6%     |  |
| Capital                                                        |         |                | -       | _      |  |
| FDI Stock (% of GDP)                                           | •       | 138/140        | •       | 3%     |  |
| FDI Flows (% of GFCF)                                          | •       | 133/138        | •       | 1%     |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | 82/82   | 81/81          | 0%      | 0%     |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | •              | ·       | •      |  |
| Information                                                    | 119     | /140           | -       | _      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 132     | /140           | 2,7     | 00     |  |
| International Phone Calls<br>(Minutes per Capita)              | 94/140  | 93/140         | 35      | 95     |  |
| Printed Publications Trade<br>(USD per Capita)                 | 125/137 | 122/137        | \$0     | \$1    |  |
| People                                                         | 95/     | 95/112         |         | -      |  |
| Migrants (% of Population)                                     | 71/139  | <b>96</b> /139 | 6%      | 2%     |  |
| Tourists (Dep./Arr. per Capita)                                | 76/80   | 110/126        | 0.0     | 0.0    |  |
| International Students (% of Tertiary<br>Education Enrollment) | 41/126  | 116/116        | 6%      | 0%     |  |

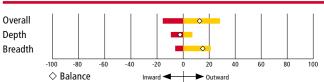
#### **ROOTED MAP**



#### **BREADTH**

|                              | Ra             | nk      | % Same  | Region |
|------------------------------|----------------|---------|---------|--------|
|                              | Outward        | Inward  | Outward | Inward |
| Trade                        | 115            | /140    | -       | -      |
| Merchandise Trade            | 94/139         | 127/138 | 67%     | 63%    |
| Capital                      |                |         | -       | -      |
| FDI Stock                    | •              | 95/111  | •       | 45%    |
| FDI Flows                    | •              | •       | •       | •      |
| Portfolio Equity Stock       | ·              | _       | •       | -      |
| Information                  |                |         | _       | -      |
| International Phone Calls    | •              | · .     | •       |        |
| Printed Publications Trade   | 61/137         | 137/137 | 12%     | 81%    |
| People                       | 49/            | 49/123  |         | -      |
| Migrants                     | <b>81</b> /139 | 92/136  | 36%     | 96%    |
| Tourists Departures/Arrivals | _              | 26/94   | _       | 28%    |
| International Students       | -              | 50/93   | _       | 36%    |

#### DIRECTIONALITY



| Rank    | Level                        |
|---------|------------------------------|
| 129/140 | \$751                        |
| 108/140 | 0%                           |
| 78/138  | 4.8                          |
| 41/140  | 28.5                         |
|         | Yes                          |
|         | 129/140<br>108/140<br>78/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 109/129 | 3.5   |
| Infrastructure (+)        | 117/128 | 2.7   |
| Press Freedom (+)         | 83/137  | 67    |
| Labor Freedom (+)         | 120/140 | 44    |
| Financial Freedom (+)     | 118/136 | 30    |

| Globalization Policies          |                |       |
|---------------------------------|----------------|-------|
|                                 | Rank           | Level |
| Enabling Trade Index (+)        | 112/128        | 3.3   |
| Tariffs (Wtd. Mean Applied) (-) | 9/120          | 10.9  |
| Capital Account Openness (+)    | <b>91</b> /134 | 0.2   |
| Visa-Free Travel Outward (+)    | 139/140        | 34    |
| Visa-Free Travel Inward (+)     | 8/127          | 71    |

# **NETHERLANDS**

#### **KEY SCORES AND TRENDS**

|                    |       | Rank  |        |                | Score  |        |
|--------------------|-------|-------|--------|----------------|--------|--------|
|                    | 2015  | 2013  | Change | 2015           | 2013   | Change |
| Overall            | 1/140 | 1/140 | 0      | <b>91</b> /100 | 91/100 | 0      |
| Depth              | 6/140 | 4/140 | -2     | 45/50          | 45/50  | 0      |
| Breadth            | 3/140 | 3/140 | 0      | 46/50          | 46/50  | 0      |
| Trade Pillar       | 3/140 | 3/140 | 0      | 90/100         | 89/100 | 1      |
| Capital Pillar     | 3/72  | 3/72  | 0      | 88/100         | 90/100 | -2     |
| Information Pillar | 2/85  | 2/85  | 0      | 89/100         | 90/100 | -1     |
| People Pillar      | 8/102 | 7/103 | -1     | 82/100         | 82/100 | 0      |

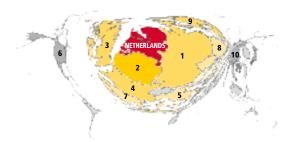
# CONNECTEDNESS SCORE TREND

#### DEPTH

|                                                                | Ra      | nk     | Le      | vel    |
|----------------------------------------------------------------|---------|--------|---------|--------|
|                                                                | Outward | Inward | Outward | Inward |
| Trade                                                          | 4/1     | 40     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 8/139   | 13/140 | 77%     | 68%    |
| Services Trade (% of GDP)                                      | 16/140  | 12/140 | 24%     | 21%    |
| Capital                                                        | 5/9     | 90     | -       | -      |
| FDI Stock (% of GDP)                                           | 8/133   | 18/140 | 145%    | 96%    |
| FDI Flows (% of GFCF)                                          | 5/131   | 15/138 | 52%     | 38%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 10/82   | 6/81   | 106%    | 73%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 76/84   | 16/86  | 0%      | 2%     |
| Information                                                    | 12/     | 140    | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 11/     | 140    | 242,    | ,326   |
| International Phone Calls<br>(Minutes per Capita)              | 24/140  | 27/140 | 342     | 286    |
| Printed Publications Trade<br>(USD per Capita)                 | 9/137   | 13/137 | \$82    | \$61   |
| People                                                         | 30/     | 112    | -       | -      |
| Migrants (% of Population)                                     | 69/139  | 37/139 | 6%      | 12%    |
| Tourists (Dep./Arr. per Capita)                                | 10/80   | 32/126 | 1.1     | 0.8    |
| International Students (% of Tertiary<br>Education Enrollment) | 91/126  | 18/116 | 2%      | 11%    |

#### **ROOTED MAP**

#### **NETHERLANDS' MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations** 1. Germany (25%)

| 1. Germany (25%) | 6. U.S.A. (4%) |
|------------------|----------------|
| 2. Belgium (11%) | 7. Spain (3%)  |
| 3. U.K. (9%)     | 8. Poland (2%) |
| 4. France (8%)   | 9. Sweden (2%) |
| 5. Italy (4%)    | 10. China (2%) |
|                  |                |

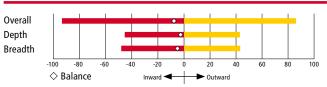
Major Export Products Machinery and equipment, chemicals, fuels, foodstuffs

| Vetherlands | Share u | raiule | is impor | LS |      |         |
|-------------|---------|--------|----------|----|------|---------|
| 15%         | 8%      | 5%     | 3%       | 1% | 0.5% | unknown |

#### BREADTH

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 17/     | 140    | -       | -      |
| Merchandise Trade            | 42/139  | 2/138  | 80%     | 54%    |
| Capital                      | 3/      | 79     | -       | -      |
| FDI Stock                    | 2/88    | 2/111  | 65%     | 61%    |
| FDI Flows                    | 9/77    | 14/99  | 88%     | 70%    |
| Portfolio Equity Stock       | 4/71    |        | 41%     |        |
| Information                  | 6/85    |        | _       | -      |
| International Phone Calls    | 14/83   | 10/70  | 80%     | 78%    |
| Printed Publications Trade   | 7/137   | 7/137  | 90%     | 81%    |
| People                       | 8/1     | 8/123  |         | -      |
| Migrants                     | 22/139  | 9/136  | 58%     | 31%    |
| Tourists Departures/Arrivals | _       | 2/94   | _       | 79%    |
| International Students       | _       | 15/93  | _       | 76%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 15/140  | \$43,603 |
| Linguistic Commonality (+) | 94/140  | 1%       |
| Remoteness (-)             | 136/138 | 1.8      |
| Population (-)             | 58/140  | 16.9     |
| Landlocked (-)             | _       | No       |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 8/129  | 5.5   |
| Infrastructure (+)        | 2/128  | 6.0   |
| Press Freedom (+)         | 4/137  | 98    |
| Labor Freedom (+)         | 55/140 | 66    |
| Financial Freedom (+)     | 3/136  | 80    |

| Globalization Policies |                                   |  |  |  |  |
|------------------------|-----------------------------------|--|--|--|--|
| Rank                   | Level                             |  |  |  |  |
| 3/128                  | 5.3                               |  |  |  |  |
| 78/120                 | 1.5                               |  |  |  |  |
| 1/134                  | 1.0                               |  |  |  |  |
| 6/140                  | 171                               |  |  |  |  |
| 66/127                 | 23                                |  |  |  |  |
|                        | 3/128<br>78/120<br>1/134<br>6/140 |  |  |  |  |

- Not Applicable

Data Not Available

(+) Positive Impact

(-) Negative Impact

### **NEW ZEALAND**

#### **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |                | Score  |        |
|--------------------|--------|--------|--------|----------------|--------|--------|
|                    | 2015   | 2013   | Change | 2015           | 2013   | Change |
| Overall            | 29/140 | 31/140 | 2      | 64/100         | 62/100 | 2      |
| Depth              | 67/140 | 66/140 | -1     | 27/50          | 28/50  | -1     |
| Breadth            | 23/140 | 30/140 | 7      | 36/50          | 34/50  | 2      |
| Trade Pillar       | 42/140 | 48/140 | 6      | <b>59</b> /100 | 57/100 | 2      |
| Capital Pillar     | 37/72  | 37/72  | 0      | 55/100         | 51/100 | 4      |
| Information Pillar | 8/85   | 9/85   | 1      | 83/100         | 83/100 | 0      |
| People Pillar      | 21/102 | 20/103 | -1     | 76/100         | 76/100 | 0      |

| CONNECTEDNESS SCORE TREND |
|---------------------------|
| 70                        |
|                           |
| 55                        |
| 50                        |

#### 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

#### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 104/140 |         | -       | -      |
| Merchandise Trade (% of GDP)                                   | 88/139  | 117/140 | 20%     | 21%    |
| Services Trade (% of GDP)                                      | 71/140  | 92/140  | 8%      | 7%     |
| Capital                                                        | 33/     | '90     | -       | -      |
| FDI Stock (% of GDP)                                           | 63/133  | 78/140  | 10%     | 38%    |
| FDI Flows (% of GFCF)                                          | 88/131  | 127/138 | 1%      | 3%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 20/82   | 29/81   | 64%     | 31%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 21/84   | 9/86    | 4%      | 4%     |
| Information                                                    | 13/     | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 34/     | 34/140  |         | ,506   |
| International Phone Calls<br>(Minutes per Capita)              | 19/140  | 9/140   | 447     | 615    |
| Printed Publications Trade<br>(USD per Capita)                 | 37/137  | 18/137  | \$9     | \$46   |
| People                                                         | 16/     | 16/112  |         | -      |
| Migrants (% of Population)                                     | 23/139  | 17/139  | 18%     | 23%    |
| Tourists (Dep./Arr. per Capita)                                | 30/80   | 42/126  | 0.5     | 0.6    |
| International Students (% of Tertiary<br>Education Enrollment) | 85/126  | 7/116   | 2%      | 19%    |

#### **ROOTED MAP**

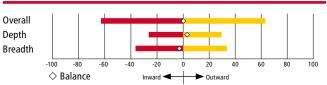


#### NEW ZEALAND **Top Export Destinations** 1. China (18%) 6. South Korea (3%) **Major Export Products** 2. Australia (17%) 7. Taiwan (2%) Dairy products, meat and edible offal, logs and wood articles, fruit, crude oil, wine 3. U.S.A. (12%) 8. Singapore (2%) 4. Japan (6%) 9. Malaysia (2%) 5. U.K. (3%) 10. U.A.E. (2%) New Zealand's Share of Partners' Imports 0.5% 0.3% 0.1% 0.05% unknown 3% 1%

#### **BREADTH**

|                              | Ra      | nk             | % Same | Region |
|------------------------------|---------|----------------|--------|--------|
|                              | Outward | Outward Inward |        | Inward |
| Trade                        | 10/     | 140            | -      | -      |
| Merchandise Trade            | 24/139  | 11/138         | 61%    | 59%    |
| Capital                      | 43/79   |                | -      | -      |
| FDI Stock                    | 33/88   | 56/111         | 71%    | 69%    |
| FDI Flows                    | 36/77   | 62/99          | 75%    | 62%    |
| Portfolio Equity Stock       | 38/71   |                | 38%    | _      |
| Information                  | 13/85   |                | -      |        |
| International Phone Calls    | 10/83   | •              | 60%    | 72%    |
| Printed Publications Trade   | 58/137  | 46/137         | 85%    | 56%    |
| People                       | 25/123  |                | _      | -      |
| Migrants                     | 116/139 | 22/136         | 83%    | 45%    |
| Tourists Departures/Arrivals | _       |                | _      | •      |
| International Students       | -       | 7/93           | _      | 55%    |

#### DIRECTIONALITY



| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 22/140  | \$37,045 |
| Linguistic Commonality (+) | 24/140  | 39%      |
| Remoteness (-)             | 1/138   | 9.6      |
| Population (-)             | 104/140 | 4.5      |
| Landlocked (-)             | _       | No       |
| Landlocked (-)             | -       | No       |

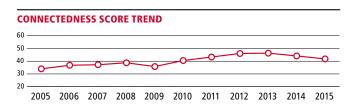
|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 6/129  | 5.6   |
| Infrastructure (+)        | 25/128 | 5.0   |
| Press Freedom (+)         | 6/137  | 97    |
| Labor Freedom (+)         | 6/140  | 91    |
| Financial Freedom (+)     | 3/136  | 80    |

| Globalization Policies          |         |       |  |  |  |
|---------------------------------|---------|-------|--|--|--|
|                                 | Rank    | Level |  |  |  |
| Enabling Trade Index (+)        | 4/128   | 5.2   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 107/120 | 1.3   |  |  |  |
| Capital Account Openness (+)    | 1/134   | 1.0   |  |  |  |
| Visa-Free Travel Outward (+)    | 14/140  | 170   |  |  |  |
| Visa-Free Travel Inward (+)     | 66/127  | 23    |  |  |  |

# **NICARAGUA**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank           |        |        | Score  |        |  |
|--------------------|---------|----------------|--------|--------|--------|--------|--|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |  |
| Overall            | 90/140  | 71/140         | -19    | 42/100 | 46/100 | -4     |  |
| Depth              | 38/140  | 30/140         | -8     | 32/50  | 33/50  | -1     |  |
| Breadth            | 119/140 | 107/140        | -12    | 10/50  | 13/50  | -3     |  |
| Trade Pillar       | 87/140  | <b>61</b> /140 | -26    | 45/100 | 52/100 | -7     |  |
| Capital Pillar     | •       | •              | •      | •      | •      | •      |  |
| Information Pillar | · ·     | •              | •      | •      | •      | •      |  |
| People Pillar      | •       | •              | •      | •      | •      | •      |  |

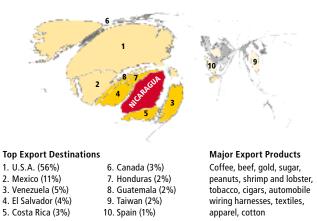


#### DEPTH

|                                                                | Ra              | nk      | Le      | vel    |  |
|----------------------------------------------------------------|-----------------|---------|---------|--------|--|
|                                                                | Outward         | Inward  | Outward | Inward |  |
| Trade                                                          | 27/             | 27/140  |         | -      |  |
| Merchandise Trade (% of GDP)                                   | 33/139          | 23/140  | 40%     | 58%    |  |
| Services Trade (% of GDP)                                      | 54/140          | 85/140  | 11%     | 7%     |  |
| Capital                                                        |                 |         | _       | _      |  |
| FDI Stock (% of GDP)                                           | 80/133          | 33/140  | 4%      | 73%    |  |
| FDI Flows (% of GFCF)                                          | 62/131          | 26/138  | 3%      | 26%    |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | •               | •       | •       | •      |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | •               | ·       | •       | •      |  |
| Information                                                    | ormation 90/140 |         | -       | -      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 93/             | 140     | 21,     | 090    |  |
| International Phone Calls<br>(Minutes per Capita)              | 97/140          | 58/140  | 33      | 184    |  |
| Printed Publications Trade<br>(USD per Capita)                 | 89/137          | 76/137  | \$0     | \$5    |  |
| People                                                         |                 |         | -       | -      |  |
| Migrants (% of Population)                                     | 43/139          | 117/139 | 11%     | 1%     |  |
| Tourists (Dep./Arr. per Capita)                                | 50/80           | 73/126  | 0.2     | 0.2    |  |
| International Students (% of Tertiary<br>Education Enrollment) | •               | •       | •       |        |  |

#### **ROOTED MAP**

#### NICARAGUA'S MERCHANDISE EXPORTS, 2015

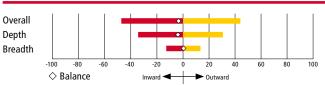


| Nicaragua's Share of Partners' Imports |      |      |       |       |        |        |         |  |
|----------------------------------------|------|------|-------|-------|--------|--------|---------|--|
|                                        | 0.5% | 0.2% | 0.05% | 0.01% | 0.005% | 0.001% | unknown |  |
|                                        |      |      |       |       |        |        |         |  |

#### BREADTH

|                              | Ra       | nk      | % Same  | e Region |
|------------------------------|----------|---------|---------|----------|
|                              | Outward  | Inward  | Outward | Inward   |
| Trade                        | 121      | /140    | -       | -        |
| Merchandise Trade            | 117/139  | 121/138 | 19%     | 39%      |
| Capital                      |          |         | -       | -        |
| FDI Stock                    | •        |         | •       | •        |
| FDI Flows                    | •        | •       | •       | •        |
| Portfolio Equity Stock       |          |         |         | _        |
| Information                  |          |         | _       | -        |
| International Phone Calls    | •        | •       | •       |          |
| Printed Publications Trade   | 80/137   | 102/137 | 21%     | 32%      |
| People                       | 85/123 — |         | -       |          |
| Migrants                     | 86/139   | 65/136  | 53%     | 80%      |
| Tourists Departures/Arrivals | _        | 72/94   | _       | 61%      |
| International Students       | _        | •       | _       | •        |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 109/140 | \$1,949 |
| Linguistic Commonality (+) | 55/140  | 6%      |
| Remoteness (-)             | 49/138  | 6.1     |
| Population (-)             | 93/140  | 6.1     |
| Landlocked (-)             | _       | No      |
|                            |         |         |

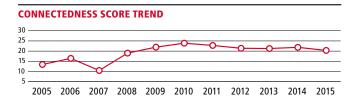
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 83/129  | 3.9   |
| Infrastructure (+)        | 110/128 | 2.9   |
| Press Freedom (+)         | 61/137  | 74    |
| Labor Freedom (+)         | 88/140  | 57    |
| Financial Freedom (+)     | 68/136  | 50    |

| Rank   | Level                               |
|--------|-------------------------------------|
| 67/128 | 4.0                                 |
| 72/120 | 2.0                                 |
| 1/134  | 1.0                                 |
| 63/140 | 108                                 |
| 56/127 | 27                                  |
|        | 67/128<br>72/120<br>1/134<br>63/140 |

## NIGER

#### **KEY SCORES AND TRENDS**

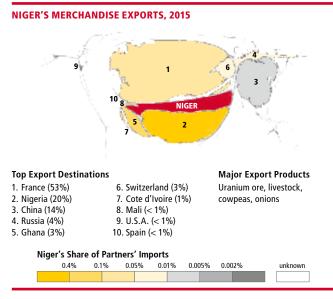
|                    |         | Rank           |        |        | Score  |        |  |
|--------------------|---------|----------------|--------|--------|--------|--------|--|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |  |
| Overall            | 131/140 | 133/140        | 2      | 20/100 | 21/100 | -1     |  |
| Depth              | 105/140 | 106/140        | 1      | 16/50  | 16/50  | 0      |  |
| Breadth            | 134/140 | 133/140        | -1     | 4/50   | 5/50   | -1     |  |
| Trade Pillar       | 131/140 | 132/140        | 1      | 23/100 | 25/100 | -2     |  |
| Capital Pillar     | •       | •              | •      | •      | •      | •      |  |
| Information Pillar | •       | •              | •      | •      | •      | •      |  |
| People Pillar      | 98/102  | <b>99</b> /103 | 1      | 21/100 | 21/100 | 0      |  |



#### DEPTH

|                                                                | Rank            |         | Le      | vel    |
|----------------------------------------------------------------|-----------------|---------|---------|--------|
|                                                                | Outward         | Inward  | Outward | Inward |
| Trade                                                          | 100             | 100/140 |         | -      |
| Merchandise Trade (% of GDP)                                   | 109/139         | 89/140  | 15%     | 28%    |
| Services Trade (% of GDP)                                      | 117/140         | 38/140  | 3%      | 13%    |
| Capital                                                        |                 |         | -       | -      |
| FDI Stock (% of GDP)                                           | 85/133          | 35/140  | 3%      | 72%    |
| FDI Flows (% of GFCF)                                          | <b>61</b> /131  | 35/138  | 3%      | 22%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •               | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          |                 | •       | •       | •      |
|                                                                |                 |         |         |        |
| Information                                                    | 136             | /140    | _       |        |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 133             | /140    | 2,6     | 88     |
| International Phone Calls<br>(Minutes per Capita)              | 133/140         | 106/140 | 4       | 62     |
| Printed Publications Trade<br>(USD per Capita)                 | 131/137         | 136/137 | \$0     | \$0    |
| People                                                         | 78/             | 78/112  |         | _      |
| Migrants (% of Population)                                     | <b>119</b> /139 | 109/139 | 2%      | 1%     |
| Tourists (Dep./Arr. per Capita)                                | •               | 121/126 | •       | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 20/126          | 34/116  | 11%     | 6%     |

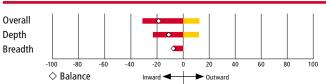
#### **ROOTED MAP**



#### BREADTH

|                              | Ra              | nk      | % Same  | Region |
|------------------------------|-----------------|---------|---------|--------|
|                              | Outward         | Inward  | Outward | Inward |
| Trade                        | 125             | /140    | -       | -      |
| Merchandise Trade            | 137/139         | 100/138 | 25%     | 32%    |
| Capital                      |                 |         | -       | -      |
| FDI Stock                    | •               | 104/111 | •       | 21%    |
| FDI Flows                    | •               | •       | •       | •      |
| Portfolio Equity Stock       | •               | _       |         | -      |
| Information                  |                 |         | -       | -      |
| International Phone Calls    | · ·             | · ·     | •       | •      |
| Printed Publications Trade   | 121/137         | 126/137 | 86%     | 5%     |
| People                       | <b>123</b> /123 |         | _       |        |
| Migrants                     | 137/139         | 125/136 | 97%     | 100%   |
| Tourists Departures/Arrivals | _               | •       | _       |        |
| International Students       | _               | 87/93   | _       | 99%    |

#### DIRECTIONALITY



| Structural Factors         |         |       |
|----------------------------|---------|-------|
|                            | Rank    | Level |
| GDP per Capita (+)         | 138/140 | \$405 |
| Linguistic Commonality (+) | 40/140  | 11%   |
| Remoteness (-)             | 59/138  | 5.7   |
| Population (-)             | 52/140  | 19.9  |
| Landlocked (-)             | _       | Yes   |
|                            |         |       |

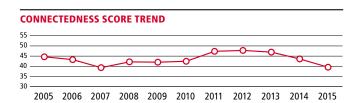
|                           | Rank    | Leve |
|---------------------------|---------|------|
| Operating Environment (+) | •       | •    |
| Infrastructure (+)        | •       | •    |
| Press Freedom (+)         | 40/137  | 79   |
| Labor Freedom (+)         | 130/140 | 41   |
| Financial Freedom (+)     | 101/136 | 40   |

| Globalization Policies          |                |       |
|---------------------------------|----------------|-------|
|                                 | Rank           | Level |
| Enabling Trade Index (+)        | •              | •     |
| Tariffs (Wtd. Mean Applied) (-) | 16/120         | 9.3   |
| Capital Account Openness (+)    | <b>91</b> /134 | 0.2   |
| Visa-Free Travel Outward (+)    | 112/140        | 51    |
| Visa-Free Travel Inward (+)     | •              | •     |

# **NIGERIA**

#### **KEY SCORES AND TRENDS**

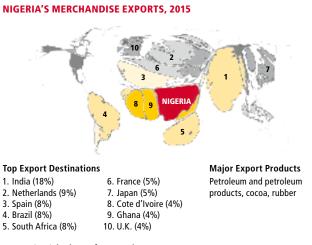
|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 95/140  | 67/140  | -28    | 40/100 | 47/100 | -7     |  |
| Depth              | 123/140 | 120/140 | -3     | 9/50   | 12/50  | -3     |  |
| Breadth            | 42/140  | 26/140  | -16    | 30/50  | 35/50  | -5     |  |
| Trade Pillar       | 117/140 | 82/140  | -35    | 33/100 | 46/100 | -13    |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | 64/85   | 59/85   | -5     | 47/100 | 49/100 | -2     |  |
| People Pillar      | •       |         |        |        | •      |        |  |



#### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 140     | /140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 122/139 | 140/140 | 10%     | 10%    |
| Services Trade (% of GDP)                                      | 140/140 | 127/140 | 1%      | 4%     |
| Capital                                                        | 48      | /90     | -       | _      |
| FDI Stock (% of GDP)                                           | 94/133  | 116/140 | 2%      | 18%    |
| FDI Flows (% of GFCF)                                          | 68/131  | 108/138 | 2%      | 6%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 45/82   | 28/81   | 23%     | 32%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 26/84   | 8/86    | 3%      | 4%     |
| Information                                                    | 135     | /140    | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 129     | /140    | 2,9     | 986    |
| International Phone Calls<br>(Minutes per Capita)              | 118/140 | 133/140 | 14      | 19     |
| Printed Publications Trade<br>(USD per Capita)                 | 113/137 | 115/137 | \$0     | \$1    |
| People                                                         |         |         | -       | _      |
| Migrants (% of Population)                                     | 137/139 | 118/139 | 1%      | 1%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 124/126 | •       | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | •       | •       | •       | •      |

#### **ROOTED MAP**

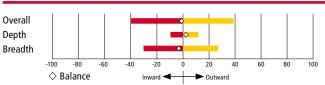


| Nige | ligeria's Share of Partners' Imports |    |    |    |      |      |         |
|------|--------------------------------------|----|----|----|------|------|---------|
|      | 10%                                  | 6% | 2% | 1% | 0.5% | 0.1% | unknown |
|      |                                      |    |    |    |      |      |         |
|      |                                      |    |    |    |      |      |         |

#### BREADTH

|                              | Rank    |         | % Same  | Region |  |  |
|------------------------------|---------|---------|---------|--------|--|--|
|                              | Outward | Inward  | Outward | Inward |  |  |
| Trade                        | 52/     | 140     | -       | _      |  |  |
| Merchandise Trade            | 81/139  | 27/138  | 19%     | 5%     |  |  |
| Capital                      |         |         | -       | -      |  |  |
| FDI Stock                    | 65/88   | 52/111  | 10%     | 8%     |  |  |
| FDI Flows                    | •       | 44/99   | •       | 29%    |  |  |
| Portfolio Equity Stock       | ·       |         |         | _      |  |  |
| Information                  | 18      | /85     | -       | -      |  |  |
| International Phone Calls    | 22/83   | 11/70   | 31%     | 7%     |  |  |
| Printed Publications Trade   | 62/137  | 15/137  | 7%      | 3%     |  |  |
| People                       |         |         | -       | -      |  |  |
| Migrants                     | 11/139  | 133/136 | 34%     | 100%   |  |  |
| Tourists Departures/Arrivals | _       | •       | -       | •      |  |  |
| International Students       | _       | •       | _       | •      |  |  |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 103/140 | \$2,743 |
| Linguistic Commonality (+) | 30/140  | 39%     |
| Remoteness (-)             | 41/138  | 6.3     |
| Population (-)             | 7/140   | 182.2   |
| Landlocked (-)             | _       | No      |
|                            | _       | NU      |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 122/129 | 3.3   |
| Infrastructure (+)        | 110/128 | 2.9   |
| Press Freedom (+)         | 88/137  | 66    |
| Labor Freedom (+)         | 24/140  | 78    |
| Financial Freedom (+)     | 101/136 | 40    |

| Rank    | Level                                                      |
|---------|------------------------------------------------------------|
| 117/128 | 3.1                                                        |
| 8/120   | 11.3                                                       |
| 87/134  | 0.3                                                        |
| 125/140 | 44                                                         |
| 123/127 | 2                                                          |
|         | 117/128           8/120           87/134           125/140 |

|                    |        | Rank   |        | Score          |        |        |
|--------------------|--------|--------|--------|----------------|--------|--------|
|                    | 2015   | 2013   | Change | 2015           | 2013   | Change |
| Overall            | 16/140 | 16/140 | 0      | <b>69</b> /100 | 70/100 | -1     |
| Depth              | 51/140 | 39/140 | -12    | 30/50          | 31/50  | -1     |
| Breadth            | 17/140 | 18/140 | 1      | 39/50          | 39/50  | 0      |
| Trade Pillar       | 54/140 | 57/140 | 3      | 56/100         | 53/100 | 3      |
| Capital Pillar     | 7/72   | 4/72   | -3     | 76/100         | 81/100 | -5     |
| Information Pillar | 21/85  | 20/85  | -1     | 71/100         | 73/100 | -2     |
| People Pillar      | 6/102  | 6/103  | 0      | 83/100         | 82/100 | 1      |

#### **CONNECTEDNESS SCORE TREND** 80 75 0 o O -0 O 70 65 60 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

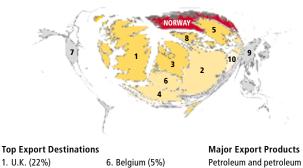
#### DEPTH

|                                                                | Rank           |         | Le      | vel    |  |
|----------------------------------------------------------------|----------------|---------|---------|--------|--|
|                                                                | Outward        | Inward  | Outward | Inward |  |
| Trade                                                          | 85/            | 140     | -       | -      |  |
| Merchandise Trade (% of GDP)                                   | 61/139         | 122/140 | 27%     | 20%    |  |
| Services Trade (% of GDP)                                      | 60/140         | 43/140  | 10%     | 12%    |  |
| Capital                                                        | 22/            | /90     | -       | -      |  |
| FDI Stock (% of GDP)                                           | 25/133         | 79/140  | 42%     | 38%    |  |
| FDI Flows (% of GFCF)                                          | <b>21</b> /131 | 132/138 | 15%     | 2%     |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | 5/82           | 27/81   | 278%    | 35%    |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 18/84          | 52/86   | 5%      | 0%     |  |
|                                                                |                |         |         |        |  |
| Information                                                    | 21/            | 21/140  |         | -      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 15/            | 140     | 220     | ,937   |  |
| International Phone Calls<br>(Minutes per Capita)              | 30/140         | 49/140  | 295     | 209    |  |
| Printed Publications Trade<br>(USD per Capita)                 | 32/137         | 6/137   | \$13    | \$94   |  |
| People                                                         | 29/            | 112     | -       | _      |  |
| Migrants (% of Population)                                     | 96/139         | 28/139  | 4%      | 14%    |  |
| Tourists (Dep./Arr. per Capita)                                | •              | 28/126  | •       | 0.9    |  |
| International Students (% of Tertiary<br>Education Enrollment) | 35/126         | 27/116  | 7%      | 8%     |  |

#### DHL Global Connectedness Index 2016 185

#### **ROOTED MAP**

#### **NORWAY'S MERCHANDISE EXPORTS, 2015**



| 1. O.K. (22 /0)      | 0. Deigiuni (570) |   |
|----------------------|-------------------|---|
| 2. Germany (18%)     | 7. U.S.A. (4%)    | р |
| 3. Netherlands (10%) | 8. Denmark (4%)   | e |
| 4. France (7%)       | 9. China (3%)     | s |
| 5. Sweden (6%)       | 10. Poland (2%)   |   |
|                      |                   |   |

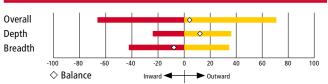
products, machinery and equipment, metals, chemicals, ships, fish

| Norv | Norway's Share of Partners' Imports |    |    |      |      |      |         |
|------|-------------------------------------|----|----|------|------|------|---------|
|      | 5%                                  | 2% | 1% | 0.5% | 0.2% | 0.1% | unknown |
|      |                                     |    |    |      |      |      |         |

#### **BREADTH**

|                              | Rank           |        | % Same  | Region |
|------------------------------|----------------|--------|---------|--------|
|                              | Outward        | Inward | Outward | Inward |
| Trade                        | 37/            | 140    | -       | -      |
| Merchandise Trade            | 65/139         | 21/138 | 83%     | 67%    |
| Capital                      | 7/:            | 79     | _       | -      |
| FDI Stock                    | 23/88          | 9/111  | 73%     | 67%    |
| FDI Flows                    | •              | •      | •       | •      |
| Portfolio Equity Stock       | 6/71           | _      | 45%     | _      |
| Information                  | 34/            | /85    | -       | -      |
| International Phone Calls    | 23/83          | 32/70  | 85%     | 78%    |
| Printed Publications Trade   | 55/137         | 74/137 | 96%     | 93%    |
| People                       | 7/1            | 23     | -       | -      |
| Migrants                     | <b>19</b> /139 | 4/136  | 68%     | 54%    |
| Tourists Departures/Arrivals | _              | 12/94  | _       | 87%    |
| International Students       | -              | 9/93   | _       | 47%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 4/140   | \$74,822 |
| Linguistic Commonality (+) | 108/140 | 0%       |
| Remoteness (-)             | 121/138 | 2.7      |
| Population (-)             | 100/140 | 5.2      |
| Landlocked (-)             |         | No       |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 8/129   | 5.5   |
| Infrastructure (+)        | 20/128  | 5.2   |
| Press Freedom (+)         | 2/137   | 100   |
| Labor Freedom (+)         | 114/140 | 48    |
| Financial Freedom (+)     | 38/136  | 60    |

| Globalization Policies          |         |       |  |  |  |  |
|---------------------------------|---------|-------|--|--|--|--|
|                                 | Rank    | Level |  |  |  |  |
| Enabling Trade Index (+)        | 8/128   | 5.1   |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 110/120 | 1.2   |  |  |  |  |
| Capital Account Openness (+)    | 1/134   | 1.0   |  |  |  |  |
| Visa-Free Travel Outward (+)    | 6/140   | 171   |  |  |  |  |
| Visa-Free Travel Inward (+)     | 66/127  | 23    |  |  |  |  |

# **OMAN**

#### **KEY SCORES AND TRENDS**

|                    | Rank   |        |        | Score  |        |        |
|--------------------|--------|--------|--------|--------|--------|--------|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |
| Overall            | 46/140 | 64/140 | 18     | 56/100 | 48/100 | 8      |
| Depth              | 15/140 | 29/140 | 14     | 37/50  | 33/50  | 4      |
| Breadth            | 86/140 | 94/140 | 8      | 19/50  | 15/50  | 4      |
| Trade Pillar       | 24/140 | 60/140 | 36     | 65/100 | 52/100 | 13     |
| Capital Pillar     | •      | •      | •      | •      | •      | •      |
| Information Pillar | 54/85  | 62/85  | 8      | 52/100 | 48/100 | 4      |
| People Pillar      | 46/102 | 46/103 | 0      | 55/100 | 55/100 | 0      |

#### CONNECTEDNESS SCORE TREND

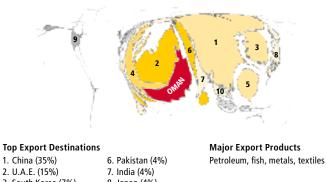
| 65<br>60<br>55<br>50<br>45<br>40 |      | _0_  | _0_  | -0-  | _0_  | _0_  |      | _0_  | -0-  | _0   | _0   | - |
|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|---|
| 35                               | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | - |

#### DEPTH

|                                                                | Ra             | Rank           |         | vel    |
|----------------------------------------------------------------|----------------|----------------|---------|--------|
|                                                                | Outward        | Inward         | Outward | Inward |
| Trade                                                          | 15/            | 140            | -       | _      |
| Merchandise Trade (% of GDP)                                   | <b>12</b> /139 | 5/140          | 67%     | 87%    |
| Services Trade (% of GDP)                                      | 110/140        | 34/140         | 4%      | 13%    |
| Capital                                                        | 36             | /90            |         | -      |
| FDI Stock (% of GDP)                                           | 54/133         | 87/140         | 13%     | 34%    |
| FDI Flows (% of GFCF)                                          | 52/131         | 120/138        | 4%      | 4%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | •              | •              | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | 27/84          | 10/86          | 3%      | 3%     |
| Information                                                    | 51/            | 140            | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 61/            | 140            | 59,784  |        |
| International Phone Calls<br>(Minutes per Capita)              | 29/140         | 54/140         | 309     | 199    |
| Printed Publications Trade<br>(USD per Capita)                 | 76/137         | 66/137         | \$1     | \$6    |
| People                                                         | 46/            | 46/112         |         | -      |
| Migrants (% of Population)                                     | 139/139        | 8/139          | 0%      | 41%    |
| Tourists (Dep./Arr. per Capita)                                | 16/80          | <b>62</b> /126 | 0.8     | 0.4    |
| International Students (% of Tertiary<br>Education Enrollment) | 12/126         | 57/116         | 14%     | 3%     |

#### **ROOTED MAP**

#### **OMAN'S MERCHANDISE EXPORTS, 2015**

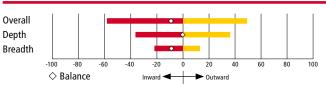


|         | 2. (           |          | /a. (      | .,.,    |       |       |         |
|---------|----------------|----------|------------|---------|-------|-------|---------|
| 3. Sout | h Korea (7%)   |          | 8. Japan   | (4%)    |       |       |         |
| 4. Sauc | li Arabia (6%) |          | 9. U.S.A.  | (2%)    |       |       |         |
| 5. Taiw | an (5%)        | 1        | 0. Thailar | nd (1%) |       |       |         |
|         | Oman's Share   | e of Par | tners' Im  | ports   |       |       |         |
|         | 2%             | 1%       | 0.6%       | 0.2%    | 0.05% | 0.01% | unknown |
|         |                |          |            |         |       |       |         |
|         |                |          |            |         |       |       |         |

#### **BREADTH**

|                              | Ra             | nk     | % Same  | % Same Region |  |  |
|------------------------------|----------------|--------|---------|---------------|--|--|
|                              | Outward        | Inward | Outward | Inward        |  |  |
| Trade                        | 81/            | 140    | -       | -             |  |  |
| Merchandise Trade            | 109/139        | 54/138 | 27%     | 37%           |  |  |
| Capital                      |                |        | -       | -             |  |  |
| FDI Stock                    | •              | 92/111 | 60%     | 34%           |  |  |
| FDI Flows                    | ·              | 63/99  | 58%     | 28%           |  |  |
| Portfolio Equity Stock       |                |        |         |               |  |  |
| Information                  | 68             | /85    | -       | -             |  |  |
| International Phone Calls    | 49/83          | 52/70  | 31%     | 16%           |  |  |
| Printed Publications Trade   | <b>97</b> /137 | 98/137 | 8%      | 53%           |  |  |
| People                       | 60/            | 60/123 |         | -             |  |  |
| Migrants                     | 115/139        | 45/136 | 58%     | 7%            |  |  |
| Tourists Departures/Arrivals | _              | •      | _       | •             |  |  |
| International Students       | _              | 45/93  | _       | 51%           |  |  |

#### DIRECTIONALITY



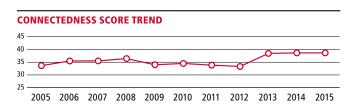
#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 46/140  | \$15,233 |
| Linguistic Commonality (+) | 79/140  | 3%       |
| Remoteness (-)             | 71/138  | 5.1      |
| Population (-)             | 105/140 | 4.5      |
| Landlocked (-)             | _       | No       |
|                            |         |          |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 15/129 | 5.2   |
| Infrastructure (+)        | 37/128 | 4.5   |
| Press Freedom (+)         | 99/137 | 60    |
| Labor Freedom (+)         | 31/140 | 76    |
| Financial Freedom (+)     | 38/136 | 60    |

| Globalization Policies |                                     |  |  |  |  |  |
|------------------------|-------------------------------------|--|--|--|--|--|
| Rank                   | Level                               |  |  |  |  |  |
| 29/128                 | 4.7                                 |  |  |  |  |  |
| 66/120                 | 2.4                                 |  |  |  |  |  |
| 1/134                  | 1.0                                 |  |  |  |  |  |
| 86/140                 | 68                                  |  |  |  |  |  |
| 104/127                | 20                                  |  |  |  |  |  |
|                        | 29/128<br>66/120<br>1/134<br>86/140 |  |  |  |  |  |

|                    | Rank    |         |        | Score  |        |        |
|--------------------|---------|---------|--------|--------|--------|--------|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |
| Overall            | 99/140  | 92/140  | -7     | 39/100 | 38/100 | 1      |
| Depth              | 137/140 | 138/140 | 1      | 5/50   | 6/50   | -1     |
| Breadth            | 32/140  | 33/140  | 1      | 34/50  | 33/50  | 1      |
| Trade Pillar       | 106/140 | 96/140  | -10    | 37/100 | 39/100 | -2     |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |
| Information Pillar | 50/85   | 63/85   | 13     | 54/100 | 46/100 | 8      |
| People Pillar      | •       |         |        | •      | •      | •      |

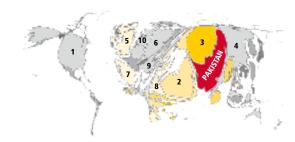


#### DEPTH

|                                                                | Ra      | nk             | Level   |        |  |
|----------------------------------------------------------------|---------|----------------|---------|--------|--|
|                                                                | Outward | Inward         | Outward | Inward |  |
| Trade                                                          | 138     | 138/140        |         | -      |  |
| Merchandise Trade (% of GDP)                                   | 131/139 | 131/140        | 8%      | 16%    |  |
| Services Trade (% of GDP)                                      | 136/140 | 136/140        | 1%      | 3%     |  |
| Capital                                                        | 85/     | /90            | -       | -      |  |
| FDI Stock (% of GDP)                                           | 116/133 | 130/140        | 1%      | 12%    |  |
| FDI Flows (% of GFCF)                                          | 98/131  | 119/138        | 0%      | 4%     |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | 78/82   | 63/81          | 0%      | 9%     |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 58/84   | 38/86          | 0%      | 1%     |  |
| Information                                                    | 109     | /140           | -       | _      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 107     | 107/140        |         | 907    |  |
| International Phone Calls<br>(Minutes per Capita)              | 103/140 | 102/140        | 28      | 71     |  |
| Printed Publications Trade<br>(USD per Capita)                 | 119/137 | 135/137        | \$0     | \$0    |  |
| People                                                         |         |                | -       | _      |  |
| Migrants (% of Population)                                     | 104/139 | <b>94</b> /139 | 3%      | 2%     |  |
| Tourists (Dep./Arr. per Capita)                                | •       | 123/126        | •       | 0.0    |  |
| International Students (% of Tertiary<br>Education Enrollment) | 88/126  | •              | 2%      | •      |  |

#### **ROOTED MAP**

#### **PAKISTAN'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| Top Export Destinations |                      | Major Export Products          |
|-------------------------|----------------------|--------------------------------|
| 1. U.S.A. (13%)         | 6. Germany (5%)      | Textiles (garments, bed linen, |
| 2. U.A.E. (9%)          | 7. Spain (3%)        | cotton cloth, yarn), rice,     |
| 3. Afghanistan (9%)     | 8. Saudi Arabia (3%) | leather goods, sporting goods, |
| 4. China (9%)           | 9. Italy (2%)        | chemicals, manufactures,       |
| 5. U.K. (5%)            | 10. Netherlands (2%) | carpets and rugs               |

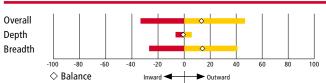
Pakistan's Share of Partners' Imports

| 4% | 1% | 0.5% | 0.2% | 0.1% | 0.05% | unknown |
|----|----|------|------|------|-------|---------|
|    |    |      |      |      |       |         |

#### BREADTH

|                              | Ra      | nk      | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 40/     | 140     | -       | -      |
| Merchandise Trade            | 5/139   | 76/138  | 15%     | 5%     |
| Capital                      |         |         | _       | -      |
| FDI Stock                    | 37/88   | 47/111  | 23%     | 1%     |
| FDI Flows                    | •       | 12/99   | •       | 0%     |
| Portfolio Equity Stock       | •       | _       | 0%      | _      |
|                              |         |         |         |        |
| Information                  | 20/     | 85      | -       | -      |
| International Phone Calls    | 19/83   | •       | 8%      | 0%     |
| Printed Publications Trade   | 38/137  | 51/137  | 23%     | 10%    |
|                              |         |         |         |        |
| People                       | 51/     | 123     | -       | -      |
| Migrants                     | 48/139  | 101/136 | 25%     | 100%   |
| Tourists Departures/Arrivals | _       | 29/94   | _       | 14%    |
| International Students       | -       | 59/93   | _       | •      |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                       |
|---------|-----------------------------|
| 113/140 | \$1,450                     |
| 26/140  | 39%                         |
| 77/138  | 4.9                         |
| 6/140   | 188.9                       |
| _       | No                          |
|         | 113/140<br>26/140<br>77/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 109/129 | 3.5   |
| Infrastructure (+)        | 93/128  | 3.3   |
| Press Freedom (+)         | 125/137 | 44    |
| Labor Freedom (+)         | 127/140 | 42    |
| Financial Freedom (+)     | 101/136 | 40    |

| Globalization Policies          |                |       |  |  |
|---------------------------------|----------------|-------|--|--|
|                                 | Rank           | Level |  |  |
| Enabling Trade Index (+)        | 105/128        | 3.5   |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 18/120         | 8.9   |  |  |
| Capital Account Openness (+)    | <b>91</b> /134 | 0.2   |  |  |
| Visa-Free Travel Outward (+)    | 140/140        | 31    |  |  |
| Visa-Free Travel Inward (+)     | 125/127        | 1     |  |  |

- Not Applicable

· Data Not Available

(+) Positive Impact

# PANAMA

#### **KEY SCORES AND TRENDS**

|                    |        | Rank           |        |                | Score  |        |  |
|--------------------|--------|----------------|--------|----------------|--------|--------|--|
|                    | 2015   | 2013           | Change | 2015           | 2013   | Change |  |
| Overall            | 42/140 | <b>41</b> /140 | -1     | 57/100         | 57/100 | 0      |  |
| Depth              | 68/140 | 42/140         | -26    | 27/50          | 31/50  | -4     |  |
| Breadth            | 45/140 | 55/140         | 10     | 29/50          | 26/50  | 3      |  |
| Trade Pillar       | 34/140 | 12/140         | -22    | 62/100         | 76/100 | -14    |  |
| Capital Pillar     | 28/72  | 51/72          | 23     | <b>59</b> /100 | 44/100 | 15     |  |
| Information Pillar | 55/85  | 52/85          | -3     | 51/100         | 52/100 | -1     |  |
| People Pillar      | •      | •              | •      | •              | •      |        |  |

#### CONNECTEDNESS SCORE TREND

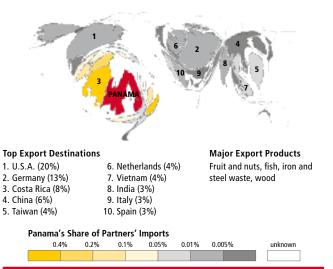
| 60<br>55<br>50<br>45<br>40 |      | _0_  |      | -0   | ~~   | _0   | ~    | ~    |      |      |      | - |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|---|
| 55                         | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |   |

#### DEPTH

|                                                                | Ra             | nk     | Le      | vel    |
|----------------------------------------------------------------|----------------|--------|---------|--------|
|                                                                | Outward        | Inward | Outward | Inward |
| Trade                                                          | 59/140         |        | -       | -      |
| Merchandise Trade (% of GDP)                                   | 79/139         | 60/140 | 22%     | 36%    |
| Services Trade (% of GDP)                                      | 21/140         | 75/140 | 21%     | 8%     |
| Capital                                                        | 37/            | '90    | -       | _      |
| FDI Stock (% of GDP)                                           | 68/133         | 29/140 | 9%      | 77%    |
| FDI Flows (% of GFCF)                                          | 69/131         | 37/138 | 2%      | 21%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 57/82          | •      | 6%      |        |
| Portfolio Equity Flows (% of Mkt Cap)                          | 40/84          |        | 1%      | •      |
| Information                                                    | 59/            | 140    |         | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 49/            | 140    | 75,     | 906    |
| International Phone Calls<br>(Minutes per Capita)              | 67/140         | 68/140 | 82      | 153    |
| Printed Publications Trade<br>(USD per Capita)                 | 87/137         | 36/137 | \$1     | \$17   |
| People                                                         | 71/            | 112    | -       | -      |
| Migrants (% of Population)                                     | <b>97</b> /139 | 63/139 | 4%      | 5%     |
| Tourists (Dep./Arr. per Capita)                                | 46/80          | 56/126 | 0.2     | 0.5    |
| International Students (% of Tertiary<br>Education Enrollment) | 97/126         | •      | 2%      | •      |

#### **ROOTED MAP**

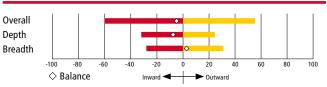
#### PANAMA'S MERCHANDISE EXPORTS, 2015



#### BREADTH

|                              | Ra      | nk      | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 39/     | 140     | -       | -      |
| Merchandise Trade            | 41/139  |         | 25%     | 18%    |
| Capital                      | 31      | 79      | -       | -      |
| FDI Stock                    | •       | 49/111  | •       | 24%    |
| FDI Flows                    | •       | 51/99   | •       | 22%    |
| Portfolio Equity Stock       | 23/71   |         | 10%     | _      |
| Information                  | 63      | /85     | _       | -      |
| International Phone Calls    | 52/83   | 37/70   | 71%     | 45%    |
| Printed Publications Trade   | 104/137 | 109/137 | 74%     | 48%    |
| People                       |         |         | -       | -      |
| Migrants                     | 66/139  | 26/136  | 15%     | 65%    |
| Tourists Departures/Arrivals | _       | •       | -       | •      |
| International Students       | _       | •       | _       | •      |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 51/140  | \$13,013 |
| Linguistic Commonality (+) | 60/140  | 6%       |
| Remoteness (-)             | 37/138  | 6.3      |
| Population (-)             | 109/140 | 3.9      |
| Landlocked (-)             | _       | No       |

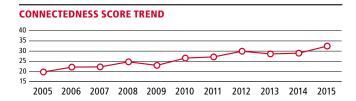
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 35/129  | 4.6   |
| Infrastructure (+)        | 45/128  | 4.3   |
| Press Freedom (+)         | 67/137  | 72    |
| Labor Freedom (+)         | 129/140 | 42    |
| Financial Freedom (+)     | 18/136  | 70    |

| Rank   | Level                               |
|--------|-------------------------------------|
| 45/128 | 4.3                                 |
| 30/120 | 6.1                                 |
| 1/134  | 1.0                                 |
| 54/140 | 125                                 |
| 40/127 | 32                                  |
|        | 45/128<br>30/120<br>1/134<br>54/140 |

# PARAGUAY

#### **KEY SCORES AND TRENDS**

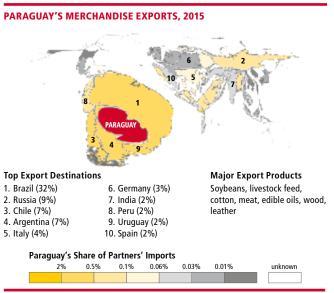
|                    |         | Rank           |        |        | Score  |        |  |
|--------------------|---------|----------------|--------|--------|--------|--------|--|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |  |
| Overall            | 115/140 | 121/140        | 6      | 32/100 | 29/100 | 3      |  |
| Depth              | 102/140 | 97/140         | -5     | 16/50  | 18/50  | -2     |  |
| Breadth            | 98/140  | 114/140        | 16     | 16/50  | 10/50  | 6      |  |
| Trade Pillar       | 93/140  | 106/140        | 13     | 41/100 | 38/100 | 3      |  |
| Capital Pillar     | •       | •              | •      | •      | •      | •      |  |
| Information Pillar | •       | •              | •      | •      | •      | •      |  |
| People Pillar      | 96/102  | <b>97</b> /103 | 1      | 24/100 | 23/100 | 1      |  |



#### DEPTH

|                                                                | Ra      | nk      | Le      | Level  |  |  |
|----------------------------------------------------------------|---------|---------|---------|--------|--|--|
|                                                                | Outward | Inward  | Outward | Inward |  |  |
| Trade                                                          | 75/     | 140     | -       | -      |  |  |
| Merchandise Trade (% of GDP)                                   | 54/139  | 56/140  | 30%     | 37%    |  |  |
| Services Trade (% of GDP)                                      | 122/140 | 128/140 | 3%      | 4%     |  |  |
| Capital                                                        |         |         | -       | -      |  |  |
| FDI Stock (% of GDP)                                           | 118/133 | 108/140 | 0%      | 21%    |  |  |
| FDI Flows (% of GFCF)                                          | 121/131 | 112/138 | 0%      | 5%     |  |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       |        |  |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | •       | •       | •      |  |  |
| Information                                                    | 105     | /140    |         | _      |  |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 98/     | 140     | 17,     | 922    |  |  |
| International Phone Calls<br>(Minutes per Capita)              | 114/140 | 89/140  | 17      | 103    |  |  |
| Printed Publications Trade<br>(USD per Capita)                 | 108/137 | 90/137  | \$0     | \$3    |  |  |
| People                                                         | 80/     | 80/112  |         | -      |  |  |
| Migrants (% of Population)                                     | 35/139  | 86/139  | 13%     | 2%     |  |  |
| Tourists (Dep./Arr. per Capita)                                | 64/80   | 86/126  | 0.1     | 0.1    |  |  |
| International Students (% of Tertiary<br>Education Enrollment) | 101/126 | •       | 1%      | •      |  |  |

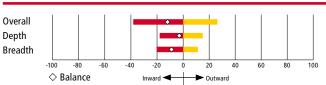
#### **ROOTED MAP**



#### **BREADTH**

|                              | Rank    |                | % Same  | Region |
|------------------------------|---------|----------------|---------|--------|
|                              | Outward | Inward         | Outward | Inward |
| Trade                        | 93/     | 140            | -       | -      |
| Merchandise Trade            | 97/139  | <b>81</b> /138 | 52%     | 45%    |
| Capital                      |         |                | _       | -      |
| FDI Stock                    | •       | 64/111         | •       | 36%    |
| FDI Flows                    | 72/77   | 53/99          | 97%     | 18%    |
| Portfolio Equity Stock       |         |                |         |        |
| Information                  |         |                | -       | -      |
| International Phone Calls    | •       | •              | •       | •      |
| Printed Publications Trade   | 66/137  | 42/137         | 40%     | 31%    |
| People                       | 118/    | 118/123        |         | -      |
| Migrants                     | 133/139 | 99/136         | 87%     | 90%    |
| Tourists Departures/Arrivals | _       | 89/94          | _       | 87%    |
| International Students       | -       | •              | _       | •      |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank           | Level                     |
|----------------|---------------------------|
| 90/140         | \$4,010                   |
| 58/140         | 6%                        |
| 8/138          | 8.3                       |
| <b>91</b> /140 | 6.6                       |
| _              | Yes                       |
|                | 90/140<br>58/140<br>8/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 90/129  | 3.8   |
| Infrastructure (+)        | 96/128  | 3.1   |
| Press Freedom (+)         | 87/137  | 66    |
| Labor Freedom (+)         | 137/140 | 26    |
| Financial Freedom (+)     | 38/136  | 60    |

| Globalization Policies          |         |       |  |  |  |  |  |
|---------------------------------|---------|-------|--|--|--|--|--|
|                                 | Rank    | Level |  |  |  |  |  |
| Enabling Trade Index (+)        | 105/128 | 3.5   |  |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 45/120  | 4.2   |  |  |  |  |  |
| Capital Account Openness (+)    | 73/134  | 0.4   |  |  |  |  |  |
| Visa-Free Travel Outward (+)    | 56/140  | 123   |  |  |  |  |  |
| Visa-Free Travel Inward (+)     | 60/127  | 26    |  |  |  |  |  |

## PERU

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 61/140  | 59/140  | -2     | 50/100 | 49/100 | 1      |  |
| Depth              | 106/140 | 105/140 | -1     | 16/50  | 17/50  | -1     |  |
| Breadth            | 31/140  | 36/140  | 5      | 34/50  | 32/50  | 2      |  |
| Trade Pillar       | 75/140  | 78/140  | 3      | 48/100 | 47/100 | 1      |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | 44/85   | 45/85   | 1      | 56/100 | 55/100 | 1      |  |
| People Pillar      | 65/102  | 67/103  | 2      | 42/100 | 41/100 | 1      |  |

#### CONNECTEDNESS SCORE TREND

| 55 |   |
|----|---|
| 55 | • |
| 50 |   |
| 45 |   |
|    | - |
| -  |   |
| 35 |   |

#### 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

#### DEPTH

|                                                                | Ra      | Rank    |         | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 123     | /140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 98/139  | 120/140 | 18%     | 20%    |
| Services Trade (% of GDP)                                      | 119/140 | 124/140 | 3%      | 4%     |
| Capital                                                        | 56      | /90     | -       | -      |
| FDI Stock (% of GDP)                                           | 104/133 | 59/140  | 1%      | 45%    |
| FDI Flows (% of GFCF)                                          | 103/131 | 51/138  | 0%      | 16%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 31/82   | 42/81   | 42%     | 21%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 33/84   | 58/86   | 2%      | 0%     |
| Information                                                    | 82/     | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 74/     | 140     | 43,     | 154    |
| International Phone Calls<br>(Minutes per Capita)              | 104/140 | 67/140  | 28      | 161    |
| Printed Publications Trade<br>(USD per Capita)                 | 66/137  | 87/137  | \$2     | \$4    |
| People                                                         | 100     | /112    | -       | -      |
| Migrants (% of Population)                                     | 86/139  | 130/139 | 4%      | 0%     |
| Tourists (Dep./Arr. per Capita)                                | 62/80   | 84/126  | 0.1     | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 98/126  | •       | 2%      | •      |

#### **ROOTED MAP**

#### **PERU'S MERCHANDISE EXPORTS, 2015**



# 1. China (22%) 6. Spain (3%) 2. U.S.A. (15%) 7. South Korea (3%) 3. Switzerland (8%) 8. Brazil (3%) 4. Canada (7%) 9. Chile (3%) 5. Japan (3%) 10. Germany (3%)

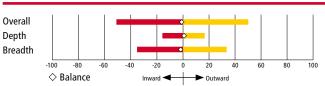
Copper, gold, lead, zinc, tin, iron ore, molybdenum, silver, crude petroleum and petroleum products, natural gas, coffee, asparagus and other vegetables, fruit, apparel and textiles, fishmeal, fish, chemicals, fabricated metal products and machinery, alloys

| 5 | 5% 1 | % 0. | 5% 0.2 | .% 0.1 | % 0.0 | 5% | unknown |
|---|------|------|--------|--------|-------|----|---------|
|   |      |      |        |        |       |    |         |
|   |      |      |        |        |       |    |         |

#### BREADTH

|                              | Rank    |        | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 30/     | 140    | -       | -      |
| Merchandise Trade            | 32/139  | 37/138 | 17%     | 21%    |
| Capital                      |         |        | -       | -      |
| FDI Stock                    | 41/88   | 40/111 | 72%     | 34%    |
| FDI Flows                    | •       | 45/99  | •       | 38%    |
| Portfolio Equity Stock       |         |        |         |        |
| Information                  | 37/     | /85    | -       | -      |
| International Phone Calls    | 40/83   | 20/70  | 58%     | 13%    |
| Printed Publications Trade   | 95/137  | 40/137 | 91%     | 19%    |
| People                       | 41/     | 41/123 |         | -      |
| Migrants                     | 43/139  | 29/136 | 34%     | 51%    |
| Tourists Departures/Arrivals | _       | 52/94  | _       | 57%    |
| International Students       | _       | •      | -       | •      |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| l evel  |
|---------|
| LCVCI   |
| \$6,021 |
| 6%      |
| 7.8     |
| 31.4    |
| No      |
|         |

| General Policies/Environment |        |       |  |
|------------------------------|--------|-------|--|
|                              | Rank   | Level |  |
| Operating Environment (+)    | 76/129 | 4.0   |  |
| Infrastructure (+)           | 88/128 | 3.4   |  |
| Press Freedom (+)            | 74/137 | 69    |  |
| Labor Freedom (+)            | 64/140 | 63    |  |
| Financial Freedom (+)        | 38/136 | 60    |  |

| Globalization Policies          |         |       |  |  |
|---------------------------------|---------|-------|--|--|
|                                 | Rank    | Level |  |  |
| Enabling Trade Index (+)        | 45/128  | 4.3   |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 106/120 | 1.4   |  |  |
| Capital Account Openness (+)    | 1/134   | 1.0   |  |  |
| Visa-Free Travel Outward (+)    | 72/140  | 82    |  |  |
| Visa-Free Travel Inward (+)     | 38/127  | 34    |  |  |

- Not Applicable

Data Not Available

(+) Positive Impact

|                    |         | Rank    |        |        | Score  |        |
|--------------------|---------|---------|--------|--------|--------|--------|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |
| Overall            | 59/140  | 56/140  | -3     | 50/100 | 50/100 | 0      |
| Depth              | 113/140 | 118/140 | 5      | 15/50  | 13/50  | 2      |
| Breadth            | 26/140  | 22/140  | -4     | 35/50  | 37/50  | -2     |
| Trade Pillar       | 50/140  | 54/140  | 4      | 57/100 | 56/100 | 1      |
| Capital Pillar     | 54/72   | 56/72   | 2      | 44/100 | 38/100 | 6      |
| Information Pillar | 24/85   | 23/85   | -1     | 68/100 | 69/100 | -1     |
| People Pillar      | 89/102  | 63/103  | -26    | 28/100 | 44/100 | -16    |

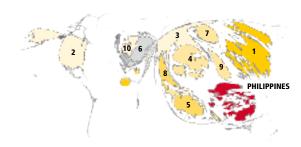
# CONNECTEDNESS SCORE TREND

#### DEPTH

|                                                                | Ra      | Rank    |         | Level  |  |
|----------------------------------------------------------------|---------|---------|---------|--------|--|
|                                                                | Outward | Inward  | Outward | Inward |  |
| Trade                                                          | 95/     | 140     | -       | -      |  |
| Merchandise Trade (% of GDP)                                   | 87/139  | 103/140 | 20%     | 24%    |  |
| Services Trade (% of GDP)                                      | 64/140  | 78/140  | 10%     | 8%     |  |
| Capital                                                        | 73      | /90     | -       | _      |  |
| FDI Stock (% of GDP)                                           | 49/133  | 111/140 | 14%     | 20%    |  |
| FDI Flows (% of GFCF)                                          | 39/131  | 92/138  | 9%      | 8%     |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | 77/82   | 49/81   | 0%      | 18%    |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 65/84   | 62/86   | 0%      | 0%     |  |
| Information                                                    | 99/     | 140     | -       | -      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 76/     | 140     | 37,4    | 409    |  |
| International Phone Calls<br>(Minutes per Capita)              | 121/140 | 83/140  | 12      | 116    |  |
| Printed Publications Trade<br>(USD per Capita)                 | 99/137  | 105/137 | \$0     | \$2    |  |
| People                                                         | 108     | /112    | -       | -      |  |
| Migrants (% of Population)                                     | 79/139  | 133/139 | 5%      | 0%     |  |
| Tourists (Dep./Arr. per Capita)                                | •       | 100/126 | •       | 0.0    |  |
| International Students (% of Tertiary<br>Education Enrollment) | 124/126 | 108/116 | 0%      | 0%     |  |

#### **ROOTED MAP**

#### **PHILIPPINES' MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| 1. Japan (21%)     | 6. Germany (5%)      | Semi    |
|--------------------|----------------------|---------|
| 2. U.S.A. (15%)    | 7. South Korea (4%)  | prod    |
| 3. China (11%)     | 8. Thailand (4%)     | garm    |
| 4. Hong Kong (11%) | 9. Taiwan (4%)       | petro   |
| 5. Singapore (6%)  | 10. Netherlands (3%) | oil, fi |
|                    |                      |         |

Major Export Products Semiconductors and electronic products, transport equipment, garments, copper products, petroleum products, coconut oil, fruits

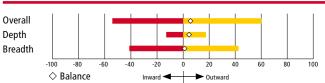
| Philippines' Share of Partne | rs' Imports |
|------------------------------|-------------|
|------------------------------|-------------|

| Z% | 1% | 0.5% | 0.3% | 0.1% | 0.05% | unknown |
|----|----|------|------|------|-------|---------|
|    |    |      |      |      |       |         |

#### BREADTH

|                              | Rank    |        | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 25/     | 140    | -       | -      |
| Merchandise Trade            | 30/139  | 32/138 | 66%     | 69%    |
| Capital                      | 40      | /79    | -       | -      |
| FDI Stock                    | 31/88   | 22/111 | 48%     | 55%    |
| FDI Flows                    | •       | •      | •       | •      |
| Portfolio Equity Stock       | 42/71   |        | 11%     | _      |
| Information                  | 5/8     | 35     | -       | -      |
| International Phone Calls    | 6/83    | 4/70   | 48%     | 52%    |
| Printed Publications Trade   | 35/137  | 36/137 | 48%     | 36%    |
| People                       | 59/     | 123    | _       | -      |
| Migrants                     | 6/139   |        | 15%     | •      |
| Tourists Departures/Arrivals | _       | 41/94  | _       | 67%    |
| International Students       | -       | 84/93  | _       | •      |

#### DIRECTIONALITY



| Rank    | Level                       |
|---------|-----------------------------|
| 102/140 | \$2,858                     |
| 27/140  | 39%                         |
| 58/138  | 5.8                         |
| 12/140  | 100.7                       |
| _       | No                          |
|         | 102/140<br>27/140<br>58/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 76/129  | 4.0   |
| Infrastructure (+)        | 88/128  | 3.4   |
| Press Freedom (+)         | 111/137 | 56    |
| Labor Freedom (+)         | 81/140  | 58    |
| Financial Freedom (+)     | 38/136  | 60    |

| Globalization Policies |                            |  |  |  |
|------------------------|----------------------------|--|--|--|
| Rank                   | Level                      |  |  |  |
| 61/128                 | 4.1                        |  |  |  |
| •                      | •                          |  |  |  |
| 73/134                 | 0.4                        |  |  |  |
| 99/140                 | 60                         |  |  |  |
| 1/127                  | 84                         |  |  |  |
|                        | 61/128<br>73/134<br>99/140 |  |  |  |

# POLAND

#### **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |                | Score  |        |  |
|--------------------|--------|--------|--------|----------------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015           | 2013   | Change |  |
| Overall            | 37/140 | 37/140 | 0      | 60/100         | 58/100 | 2      |  |
| Depth              | 44/140 | 68/140 | 24     | 31/50          | 28/50  | 3      |  |
| Breadth            | 43/140 | 41/140 | -2     | 30/50          | 31/50  | -1     |  |
| Trade Pillar       | 38/140 | 43/140 | 5      | <b>61</b> /100 | 58/100 | 3      |  |
| Capital Pillar     | 38/72  | 34/72  | -4     | 54/100         | 52/100 | 2      |  |
| Information Pillar | 30/85  | 28/85  | -2     | 66/100         | 66/100 | 0      |  |
| People Pillar      | 38/102 | 37/103 | -1     | 62/100         | 63/100 | -1     |  |

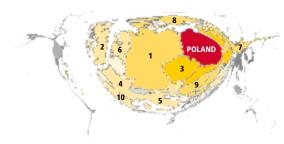
#### **CONNECTEDNESS SCORE TREND** 65 60 റ 0 0 55 50 45 $2005 \hspace{0.2cm} 2006 \hspace{0.2cm} 2007 \hspace{0.2cm} 2008 \hspace{0.2cm} 2009 \hspace{0.2cm} 2010 \hspace{0.2cm} 2011 \hspace{0.2cm} 2012 \hspace{0.2cm} 2013 \hspace{0.2cm} 2014 \hspace{0.2cm} 2015$

#### DEPTH

|                                                                | Rank           |         | Le      | vel    |
|----------------------------------------------------------------|----------------|---------|---------|--------|
|                                                                | Outward        | Inward  | Outward | Inward |
| Trade                                                          | 39/            | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | <b>29</b> /139 | 46/140  | 42%     | 41%    |
| Services Trade (% of GDP)                                      | 67/140         | 90/140  | 9%      | 7%     |
| Capital                                                        | 38/            | /90     | -       | -      |
| FDI Stock (% of GDP)                                           | 75/133         | 58/140  | 6%      | 45%    |
| FDI Flows (% of GFCF)                                          | 74/131         | 94/138  | 1%      | 8%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 46/82          | 32/81   | 17%     | 28%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 25/84          | 15/86   | 3%      | 2%     |
| Information                                                    | 38/            | 140     | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 46/            | 140     | 86,     | 573    |
| International Phone Calls<br>(Minutes per Capita)              | 82/140         | 37/140  | 49      | 246    |
| Printed Publications Trade<br>(USD per Capita)                 | 23/137         | 40/137  | \$34    | \$15   |
| People                                                         | 66/            | 112     | -       | -      |
| Migrants (% of Population)                                     | 39/139         | 101/139 | 12%     | 2%     |
| Tourists (Dep./Arr. per Capita)                                | 39/80          | 57/126  | 0.3     | 0.4    |
| International Students (% of Tertiary<br>Education Enrollment) | 102/126        | 77/116  | 1%      | 2%     |

#### **ROOTED MAP**

#### **POLAND'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations** 1. Germany (27%) 2.

| Germany (27%)       | 6. Netherlands (4%) | I |
|---------------------|---------------------|---|
| U.K. (7%)           | 7. Russia (3%)      | 6 |
| Czech Republic (7%) | 8. Sweden (3%)      | 1 |
| France (6%)         | 9. Hungary (3%)     | 1 |
| Italy (5%)          | 10. Spain (3%)      | 9 |
|                     |                     |   |

#### **Major Export Products** Machinery and transport equipment, intermediate manufactured goods, miscellaneous manufactured goods, food and live animals

| Polar | nd's Sha | re of Pa | rtners' In | nports |      |      |         |
|-------|----------|----------|------------|--------|------|------|---------|
|       | 6%       | 3%       | 1.5%       | 0.8%   | 0.4% | 0.2% | unknown |
|       |          |          |            |        |      |      |         |

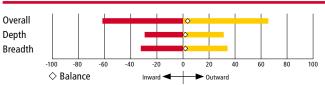
#### **BREADTH**

3. 4.

5.

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 63/     | 140    | -       | -      |
| Merchandise Trade            | 57/139  | 58/138 | 88%     | 81%    |
| Capital                      | 42      | 42/79  |         | -      |
| FDI Stock                    | 28/88   | 33/111 | 94%     | 95%    |
| FDI Flows                    | 12/77   | 41/99  | 87%     | 96%    |
| Portfolio Equity Stock       | 51/71   |        | 82%     | -      |
| Information                  | 33      | 33/85  |         | -      |
| International Phone Calls    | 51/83   | 25/70  | 95%     | 87%    |
| Printed Publications Trade   | 22/137  | 48/137 | 97%     | 89%    |
| People                       | 18/123  |        | _       | -      |
| Migrants                     | 37/139  | 31/136 | 82%     | 93%    |
| Tourists Departures/Arrivals | _       | 16/94  | _       | 86%    |
| International Students       | _       | 23/93  | _       | 77%    |

#### DIRECTIONALITY



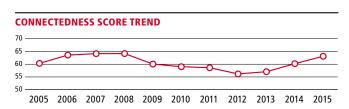
#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |  |  |  |  |
|----------------------------|---------|----------|--|--|--|--|
|                            | Rank    | Level    |  |  |  |  |
| GDP per Capita (+)         | 52/140  | \$12,495 |  |  |  |  |
| Linguistic Commonality (+) | 108/140 | 0%       |  |  |  |  |
| Remoteness (-)             | 128/138 | 2.4      |  |  |  |  |
| Population (-)             | 33/140  | 38.6     |  |  |  |  |
| Landlocked (-)             | -       | No       |  |  |  |  |
|                            |         |          |  |  |  |  |

| General Policies/Environment |                                              |  |  |  |
|------------------------------|----------------------------------------------|--|--|--|
| Rank                         | Level                                        |  |  |  |
| 48/129                       | 4.4                                          |  |  |  |
| 45/128                       | 4.3                                          |  |  |  |
| 18/137                       | 93                                           |  |  |  |
| 75/140                       | 60                                           |  |  |  |
| 18/136                       | 70                                           |  |  |  |
|                              | Rank<br>48/129<br>45/128<br>18/137<br>75/140 |  |  |  |

| Globalization Policies |                                      |  |  |  |  |
|------------------------|--------------------------------------|--|--|--|--|
| Rank                   | Level                                |  |  |  |  |
| 45/128                 | 4.3                                  |  |  |  |  |
| 78/120                 | 1.5                                  |  |  |  |  |
| 73/134                 | 0.4                                  |  |  |  |  |
| 35/140                 | 158                                  |  |  |  |  |
| 66/127                 | 23                                   |  |  |  |  |
|                        | 45/128<br>78/120<br>73/134<br>35/140 |  |  |  |  |

|                    |        | Rank   |        |        | Score  |        |  |
|--------------------|--------|--------|--------|--------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |  |
| Overall            | 31/140 | 38/140 | 7      | 63/100 | 57/100 | 6      |  |
| Depth              | 25/140 | 63/140 | 38     | 34/50  | 28/50  | 6      |  |
| Breadth            | 46/140 | 46/140 | 0      | 29/50  | 29/50  | 0      |  |
| Trade Pillar       | 64/140 | 66/140 | 2      | 52/100 | 51/100 | 1      |  |
| Capital Pillar     | 17/72  | 30/72  | 13     | 69/100 | 54/100 | 15     |  |
| Information Pillar | 31/85  | 31/85  | 0      | 66/100 | 64/100 | 2      |  |
| People Pillar      | 28/102 | 27/103 | -1     | 69/100 | 70/100 | -1     |  |



#### DEPTH

|                                                                | Rank    |        | Le      | Level  |  |
|----------------------------------------------------------------|---------|--------|---------|--------|--|
|                                                                | Outward | Inward | Outward | Inward |  |
| Trade                                                          | 58/     | 140    | -       | -      |  |
| Merchandise Trade (% of GDP)                                   | 60/139  | 64/140 | 28%     | 34%    |  |
| Services Trade (% of GDP)                                      | 42/140  | 88/140 | 14%     | 7%     |  |
| Capital                                                        | 10/     | '90    | -       | _      |  |
| FDI Stock (% of GDP)                                           | 32/133  | 43/140 | 32%     | 57%    |  |
| FDI Flows (% of GFCF)                                          | 29/131  | 44/138 | 11%     | 17%    |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | 17/82   | 7/81   | 72%     | 70%    |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 13/84   | 63/86  | 6%      | 0%     |  |
| Information                                                    | 27/     | 140    | -       | _      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 13/     | 140    | 232     | ,080   |  |
| International Phone Calls<br>(Minutes per Capita)              | 42/140  | 41/140 | 196     | 235    |  |
| Printed Publications Trade<br>(USD per Capita)                 | 42/137  | 38/137 | \$7     | \$16   |  |
| People                                                         | 40/     | 112    | -       | _      |  |
| Migrants (% of Population)                                     | 15/139  | 53/139 | 22%     | 8%     |  |
| Tourists (Dep./Arr. per Capita)                                | 55/80   | 31/126 | 0.1     | 0.9    |  |
| International Students (% of Tertiary<br>Education Enrollment) | 80/126  | 24/116 | 3%      | 9%     |  |

#### **ROOTED MAP**

#### **PORTUGAL'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| 1. Spain (25%)   | 6. Angola (4%)      |
|------------------|---------------------|
| 2. France (12%)  | 7. Netherlands (4%) |
| 3. Germany (12%) | 8. Italy (3%)       |
| 4. U.K. (7%)     | 9. Belgium (2%)     |
| 5. U.S.A. (5%)   | 10. China (2%)      |

#### **Major Export Products**

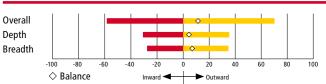
Agricultural products, foodstuffs, wine, oil products, chemical products, plastics and rubber, hides, leather, wood and cork, wood pulp and paper, textile materials, clothing, footwear, machinery and tools, base metals

#### Portugal's Share of Partners' Imports

#### **BREADTH**

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 73/     | 140    | -       | -      |
| Merchandise Trade            | 50/139  | 87/138 | 76%     | 79%    |
| Capital                      | 24/     | /79    | -       | -      |
| FDI Stock                    | 24/88   | 16/111 | 78%     | 87%    |
| FDI Flows                    | 30/77   | 42/99  | 71%     | 93%    |
| Portfolio Equity Stock       | 26/71   |        | 76%     | _      |
| Information                  | 43/     | /85    | _       | -      |
| International Phone Calls    | 39/83   | 46/70  | 48%     | 84%    |
| Printed Publications Trade   | 47/137  | 57/137 | 45%     | 91%    |
| People                       | 31/     | 123    | -       | -      |
| Migrants                     | 27/139  | 41/136 | 62%     | 34%    |
| Tourists Departures/Arrivals | -       | 19/94  | -       | 84%    |
| International Students       | -       | 48/93  | _       | 18%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 38/140  | \$19,122 |
| Linguistic Commonality (+) | 85/140  | 3%       |
| Remoteness (-)             | 101/138 | 3.7      |
| Population (-)             | 75/140  | 10.3     |
| Landlocked (-)             | _       | No       |
| Landlocked (-)             |         | No       |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 35/129  | 4.6   |
| Infrastructure (+)        | 25/128  | 5.0   |
| Press Freedom (+)         | 26/137  | 88    |
| Labor Freedom (+)         | 125/140 | 43    |
| Financial Freedom (+)     | 38/136  | 60    |

| <b>Globalization Policies</b>   |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 35/128 | 4.5   |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |
| Capital Account Openness (+)    | 1/134  | 1.0   |
| Visa-Free Travel Outward (+)    | 14/140 | 170   |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |

# **QATAR**

#### **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |                | Score  |        |  |
|--------------------|--------|--------|--------|----------------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015           | 2013   | Change |  |
| Overall            | 35/140 | 35/140 | 0      | <b>61</b> /100 | 59/100 | 2      |  |
| Depth              | 49/140 | 51/140 | 2      | 30/50          | 30/50  | 0      |  |
| Breadth            | 40/140 | 43/140 | 3      | 31/50          | 30/50  | 1      |  |
| Trade Pillar       | 31/140 | 33/140 | 2      | 62/100         | 61/100 | 1      |  |
| Capital Pillar     | 44/72  | 50/72  | 6      | 48/100         | 45/100 | 3      |  |
| Information Pillar | 32/85  | 29/85  | -3     | 66/100         | 66/100 | 0      |  |
| People Pillar      | 30/102 | 29/103 | -1     | 68/100         | 68/100 | 0      |  |

# **CONNECTEDNESS SCORE TREND**

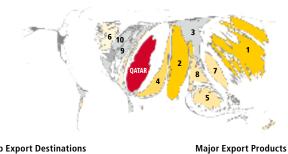
| 70 |      |        |      |      |      |      |        |      |      |      |      |
|----|------|--------|------|------|------|------|--------|------|------|------|------|
| 65 |      |        |      |      |      |      |        |      |      |      |      |
| 60 |      |        |      |      |      |      |        |      |      |      | _0_  |
| 55 |      |        |      |      |      | ~    | $\sim$ | _0_  |      |      |      |
| 50 | -0-  | $\sim$ | -0-  | -0-  | _0_  |      |        |      |      |      |      |
| 45 | 0-   |        |      |      |      |      |        |      |      |      |      |
| ÷J | 2005 | 2006   | 2007 | 2008 | 2009 | 2010 | 2011   | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Ra      | nk             | Le      | vel    |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 67/     | 140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 30/139  | 119/140        | 42%     | 20%    |
| Services Trade (% of GDP)                                      | 77/140  | 23/140         | 8%      | 15%    |
| Capital                                                        | 50/     | /90            | -       | _      |
| FDI Stock (% of GDP)                                           | 42/133  | 117/140        | 23%     | 18%    |
| FDI Flows (% of GFCF)                                          | 38/131  | 134/138        | 9%      | 0%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •              | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | 11/84   | 43/86          | 8%      | 1%     |
|                                                                |         |                |         |        |
| Information                                                    | 20/     | 140            |         | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 53/     | 140            | 71,     | 566    |
| International Phone Calls<br>(Minutes per Capita)              | 2/140   | 25/140         | 3303    | 289    |
| Printed Publications Trade<br>(USD per Capita)                 | 38/137  | 19/137         | \$9     | \$45   |
| People                                                         | 13/     | 112            | -       | _      |
| Migrants (% of Population)                                     | 128/139 | 2/139          | 1%      | 75%    |
| Tourists (Dep./Arr. per Capita)                                | •       | <b>19</b> /126 | •       | 1.3    |
| International Students (% of Tertiary<br>Education Enrollment) | 4/126   | 4/116          | 24%     | 40%    |

#### **ROOTED MAP**

#### **QATAR'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations** 1.

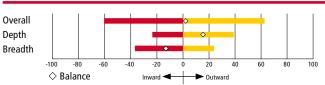
| 1. Japan (25%)      | 6. U.K. (6%)     | Liquefied natural gas,           |
|---------------------|------------------|----------------------------------|
| 2. India (15%)      | 7. Taiwan (5%)   | petroleum products, fertilizers, |
| 3. China (8%)       | 8. Thailand (4%) | steel                            |
| 4. U.A.E. (7%)      | 9. Italy (3%)    |                                  |
| 5. Singapore (6%)   | 10. Belgium (2%) |                                  |
|                     |                  |                                  |
| Oatar's Share of Pa | artners' Imports |                                  |

| 2% | 1.5 | % 1% | 0.5% | 0.2% | 0.1% | unknown |
|----|-----|------|------|------|------|---------|
|    |     |      |      |      |      |         |

#### **BREADTH**

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 35/     | 140    | -       | -      |
| Merchandise Trade            | 61/139  | 12/138 | 12%     | 18%    |
| Capital                      | 48      | /79    | -       | -      |
| FDI Stock                    | 42/88   | 53/111 | 55%     | 15%    |
| FDI Flows                    | 46/77   | 47/99  | 22%     | 13%    |
| Portfolio Equity Stock       |         |        |         |        |
| Information                  | 50      | /85    | _       | -      |
| International Phone Calls    | 46/83   | •      | 17%     | 48%    |
| Printed Publications Trade   | 102/137 | 52/137 | 15%     | 19%    |
| People                       | 47/     | 123    | -       | -      |
| Migrants                     | 101/139 | 36/136 | 68%     | 16%    |
| Tourists Departures/Arrivals | _       | •      |         | •      |
| International Students       | _       | 41/93  | _       | 67%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 3/140   | \$76,576 |
| Linguistic Commonality (+) | 75/140  | 4%       |
| Remoteness (-)             | 76/138  | 4.9      |
| Population (-)             | 120/140 | 2.2      |
| Landlocked (-)             | -       | No       |
|                            |         |          |

| General Policies/Environment |                |       |  |
|------------------------------|----------------|-------|--|
|                              | Rank           | Level |  |
| Operating Environment (+)    | 4/129          | 5.7   |  |
| Infrastructure (+)           | 23/128         | 5.1   |  |
| Press Freedom (+)            | <b>91</b> /137 | 64    |  |
| Labor Freedom (+)            | 42/140         | 71    |  |
| Financial Freedom (+)        | 68/136         | 50    |  |

| Globalization Policies |                                                          |  |  |  |  |  |  |
|------------------------|----------------------------------------------------------|--|--|--|--|--|--|
| Rank                   | Level                                                    |  |  |  |  |  |  |
| 19/128                 | 4.9                                                      |  |  |  |  |  |  |
| 52/120                 | 3.4                                                      |  |  |  |  |  |  |
| 1/134                  | 1.0                                                      |  |  |  |  |  |  |
| 79/140                 | 74                                                       |  |  |  |  |  |  |
| 111/127                | 12                                                       |  |  |  |  |  |  |
|                        | 19/128           52/120           1/134           79/140 |  |  |  |  |  |  |

|                    |        | Rank   |        |                | Score  |        |  |
|--------------------|--------|--------|--------|----------------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015           | 2013   | Change |  |
| Overall            | 72/140 | 69/140 | -3     | 46/100         | 47/100 | -1     |  |
| Depth              | 76/140 | 74/140 | -2     | 25/50          | 26/50  | -1     |  |
| Breadth            | 74/140 | 68/140 | -6     | 21/50          | 21/50  | 0      |  |
| Trade Pillar       | 62/140 | 62/140 | 0      | 52/100         | 52/100 | 0      |  |
| Capital Pillar     | 65/72  | 65/72  | 0      | 26/100         | 29/100 | -3     |  |
| Information Pillar | 37/85  | 40/85  | 3      | <b>61</b> /100 | 59/100 | 2      |  |
| People Pillar      | 33/102 | 33/103 | 0      | 66/100         | 65/100 | 1      |  |

| c        | ONNEC | TEDNE | ess sc | ORE T | REND |      |      |      |      |      |      |
|----------|-------|-------|--------|-------|------|------|------|------|------|------|------|
| 55       |       |       |        |       |      |      |      |      |      |      |      |
| 50       |       | _     |        |       |      |      |      | ~    | ~    |      |      |
| 45       | 0     | -0-   | -0-    | _0_   | -0-  | -0-  | _0-  | _0_  |      | Ŭ    | _0   |
| 40<br>35 |       |       |        |       |      |      |      |      |      |      |      |
| 55       | 2005  | 2006  | 2007   | 2008  | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Ra      | nk      | Level   |        |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 47/     | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 41/139  | 49/140  | 34%     | 39%    |
| Services Trade (% of GDP)                                      | 58/140  | 97/140  | 10%     | 6%     |
| Capital                                                        | 78      | /90     | -       | _      |
| FDI Stock (% of GDP)                                           | 120/133 | 76/140  | 0%      | 39%    |
| FDI Flows (% of GFCF)                                          | 120/131 | 98/138  | 0%      | 7%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 58/82   | 58/81   | 5%      | 12%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 63/84   | 26/86   | 0%      | 1%     |
| Information                                                    | 44/     | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 23/     | 140     | 146,012 |        |
| International Phone Calls<br>(Minutes per Capita)              | 49/140  | 55/140  | 145     | 197    |
| Printed Publications Trade<br>(USD per Capita)                 | 47/137  | 78/137  | \$5     | \$5    |
| People                                                         | 50/     | 112     | -       | -      |
| Migrants (% of Population)                                     | 24/139  | 107/139 | 17%     | 1%     |
| Tourists (Dep./Arr. per Capita)                                | 23/80   | •       | 0.6     | •      |
| International Students (% of Tertiary<br>Education Enrollment) | 74/126  | 42/116  | 3%      | 4%     |

#### **ROOTED MAP**

#### **ROMANIA'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| 1. Germany (20%) | 6. Turkey (4%)                                      | Machinery                                                                                                                               |
|------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 2. Italy (12%)   | 7. Bulgaria (3%)                                    | manufactu                                                                                                                               |
| 3. France (7%)   | 8. Spain (3%)                                       | products a                                                                                                                              |
| 4. Hungary (5%)  | 9. Poland (3%)                                      | metal prod                                                                                                                              |
| 5. U.K. (4%)     | 10. Netherlands (3%)                                | and fuels, r                                                                                                                            |
|                  |                                                     |                                                                                                                                         |
|                  | 2. Italy (12%)<br>3. France (7%)<br>4. Hungary (5%) | 2. Italy (12%)         7. Bulgaria (3%)           3. France (7%)         8. Spain (3%)           4. Hungary (5%)         9. Poland (3%) |

#### **Major Export Products**

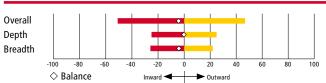
and equipment, other ured goods, agricultural and foodstuffs, metals and ducts, chemicals, minerals raw materials

| Romania | ı's Share | of Partne | ers' Imp | orts   |      |    |         |
|---------|-----------|-----------|----------|--------|------|----|---------|
| 49      | % 2'      | % 19      | 6 0.6    | 5% 0.2 | .0.0 | 5% | unknown |
|         |           |           |          |        |      |    |         |

#### **BREADTH**

|                              | Ra      | nk     | % Same  | Region |  |   |
|------------------------------|---------|--------|---------|--------|--|---|
|                              | Outward | Inward | Outward | Inward |  |   |
| Trade                        | 77/     | 140    | -       | -      |  |   |
| Merchandise Trade            | 60/139  | 94/138 | 81%     | 84%    |  |   |
| Capital                      | 64      | /79    | -       | -      |  |   |
| FDI Stock                    | 63/88   | 50/111 | 66%     | 95%    |  |   |
| FDI Flows                    | 68/77   | 26/99  | 54%     | 89%    |  |   |
| Portfolio Equity Stock       | 61/71   |        | 95%     |        |  |   |
| Information                  | 45/     | 45/85  |         | 45/85  |  | - |
| International Phone Calls    | 63/83   | 45/70  | 98%     | 96%    |  |   |
| Printed Publications Trade   | 8/137   | 31/137 | 90%     | 89%    |  |   |
| People                       | 28/     | 28/123 |         | -      |  |   |
| Migrants                     | 60/139  | 42/136 | 88%     | 89%    |  |   |
| Tourists Departures/Arrivals | _       | 18/94  | _       | 78%    |  |   |
| International Students       | -       | 35/93  | _       | 66%    |  |   |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                        |
|---------|------------------------------|
| 64/140  | \$8,906                      |
| 106/140 | 0%                           |
| 114/138 | 3.0                          |
| 53/140  | 19.5                         |
| _       | No                           |
|         | 64/140<br>106/140<br>114/138 |

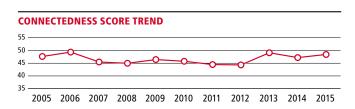
|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 83/129 | 3.9   |
| Infrastructure (+)        | 67/128 | 3.8   |
| Press Freedom (+)         | 44/137 | 78    |
| Labor Freedom (+)         | 48/140 | 69    |
| Financial Freedom (+)     | 68/136 | 50    |

| Globalization Policies          |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 75/128 | 3.9   |
| Tariffs (Wtd. Mean Applied) (-) | •      | •     |
| Capital Account Openness (+)    | 1/134  | 1.0   |
| Visa-Free Travel Outward (+)    | 42/140 | 149   |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |

# **RUSSIAN FEDERATION**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |  |
| Overall            | 67/140  | 58/140  | -9     | 48/100 | 49/100 | -1     |  |  |
| Depth              | 103/140 | 109/140 | 6      | 16/50  | 16/50  | 0      |  |  |
| Breadth            | 37/140  | 32/140  | -5     | 32/50  | 33/50  | -1     |  |  |
| Trade Pillar       | 52/140  | 58/140  | 6      | 56/100 | 53/100 | 3      |  |  |
| Capital Pillar     | 56/72   | 45/72   | -11    | 42/100 | 47/100 | -5     |  |  |
| Information Pillar | 65/85   | 61/85   | -4     | 46/100 | 48/100 | -2     |  |  |
| People Pillar      | 60/102  | 60/103  | 0      | 45/100 | 46/100 | -1     |  |  |



#### DEPTH

|                                                                | Ra             | nk      | Level   |        |
|----------------------------------------------------------------|----------------|---------|---------|--------|
|                                                                | Outward        | Inward  | Outward | Inward |
| Trade                                                          | 112            | /140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | <b>71</b> /139 | 134/140 | 26%     | 15%    |
| Services Trade (% of GDP)                                      | 111/140        | 94/140  | 4%      | 7%     |
| Capital                                                        | 75/            | /90     | -       | _      |
| FDI Stock (% of GDP)                                           | 46/133         | 114/140 | 19%     | 20%    |
| FDI Flows (% of GFCF)                                          | 22/131         | 99/138  | 13%     | 7%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 70/82          | 43/81   | 1%      | 21%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 78/84          | 83/86   | 0%      | -1%    |
| Information                                                    | 85/            | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 87/            | 140     | 26,     | 845    |
| International Phone Calls<br>(Minutes per Capita)              | 58/140         | 96/140  | 102     | 89     |
| Printed Publications Trade<br>(USD per Capita)                 | 51/137         | 92/137  | \$4     | \$3    |
| People                                                         | 62/            | 112     | -       | _      |
| Migrants (% of Population)                                     | 58/139         | 53/139  | 7%      | 8%     |
| Tourists (Dep./Arr. per Capita)                                | 38/80          | •       | 0.3     |        |
| International Students (% of Tertiary<br>Education Enrollment) | 119/126        | 51/116  | 1%      | 4%     |

#### **ROOTED MAP**

#### **RUSSIA'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| 1. Netherlands (12%) | 6. Belarus (4%)     |
|----------------------|---------------------|
| 2. China (8%)        | 7. Japan (4%)       |
| 3. Germany (7%)      | 8. South Korea (4%) |
| 4. Italy (6%)        | 9. Kazakhstan (3%)  |
| 5. Turkey (6%)       | 10. Poland (3%)     |

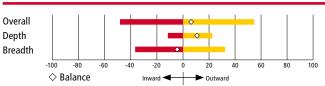
#### **Major Export Products** Petroleum and petroleum products, natural gas, metals, wood and wood products, chemicals, and a wide variety of civilian and military

| urkey (6%)   |           | Poland (  | • •   |    | nufactures | ······· |
|--------------|-----------|-----------|-------|----|------------|---------|
| Russia's Sha | re of Par | tners' Im | ports |    |            |         |
| 30%          | 20%       | 10%       | 5%    | 2% | 0.5%       | unknown |
|              |           |           |       |    |            |         |

#### **BREADTH**

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 11/     | 140    | -       | -      |
| Merchandise Trade            | 34/139  | 6/138  | 57%     | 49%    |
| Capital                      | 41/     | 79     | -       | -      |
| FDI Stock                    | 22/88   | 39/111 | 75%     | 77%    |
| FDI Flows                    | 17/77   | 39/99  | 77%     | 81%    |
| Portfolio Equity Stock       | 49/71   |        | 80%     |        |
| Information                  | 62      | /85    | -       | -      |
| International Phone Calls    | 72/83   | •      | 34%     | •      |
| Printed Publications Trade   | 77/137  | 32/137 | 36%     | 80%    |
| People                       | 70/     | 123    | -       | -      |
| Migrants                     | 96/139  | 86/136 | 57%     | 41%    |
| Tourists Departures/Arrivals | _       | · .    | _       | •      |
| International Students       | -       | 52/93  | _       | 25%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |         |
|----------------------------|--------|---------|
|                            | Rank   | Level   |
| GDP per Capita (+)         | 62/140 | \$9,055 |
| Linguistic Commonality (+) | 99/140 | 0%      |
| Remoteness (-)             | 98/138 | 3.9     |
| Population (-)             | 9/140  | 143.5   |
| Landlocked (-)             | _      | No      |
|                            |        |         |

| General Policies/Environm | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 109/129 | 3.5   |
| Infrastructure (+)        | 50/128  | 4.2   |
| Press Freedom (+)         | 121/137 | 52    |
| Labor Freedom (+)         | 78/140  | 59    |
| Financial Freedom (+)     | 118/136 | 30    |

| Rank    | Level                                                      |
|---------|------------------------------------------------------------|
| 105/128 | 3.5                                                        |
| 40/120  | 4.9                                                        |
| 56/134  | 0.7                                                        |
| 66/140  | 102                                                        |
| 111/127 | 12                                                         |
|         | 105/128           40/120           56/134           66/140 |

- Not Applicable

(+) Positive Impact

|                    |         | Rank           |        |        | Score  |        |
|--------------------|---------|----------------|--------|--------|--------|--------|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |
| Overall            | 136/140 | 136/140        | 0      | 17/100 | 19/100 | -2     |
| Depth              | 120/140 | 124/140        | 4      | 10/50  | 10/50  | 0      |
| Breadth            | 127/140 | 121/140        | -6     | 7/50   | 8/50   | -1     |
| Trade Pillar       | 134/140 | 135/140        | 1      | 20/100 | 24/100 | -4     |
| Capital Pillar     | •       | •              | •      | •      | •      | •      |
| Information Pillar | •       | •              | •      | •      | •      | •      |
| People Pillar      | 97/102  | <b>98</b> /103 | 1      | 22/100 | 22/100 | 0      |

#### CONNECTEDNESS SCORE TREND

| 30<br>25<br>20<br>15<br>10 |      |      |      |      | _0_  | -0-  | ~    |      | -0   | -0-  | 0    | - |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|---|
| 5<br>0                     | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | - |

#### DEPTH

|                                                                | Rank    |                | Le      | vel    |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 116     | /140           | -       | -      |
| Merchandise Trade (% of GDP)                                   | 132/139 | 74/140         | 8%      | 31%    |
| Services Trade (% of GDP)                                      | 105/140 | 110/140        | 4%      | 5%     |
| Capital                                                        |         |                | -       | -      |
| FDI Stock (% of GDP)                                           | 124/133 | 123/140        | 0%      | 14%    |
| FDI Flows (% of GFCF)                                          | 101/131 | 40/138         | 0%      | 20%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •              | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | ·              | •       | •      |
| Information                                                    | 129     | 11.4.0         |         |        |
|                                                                |         |                | 5,661   |        |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 122     | /140           | 5,6     | 061    |
| International Phone Calls<br>(Minutes per Capita)              | 137/140 | 140/140        | 4       | 5      |
| Printed Publications Trade<br>(USD per Capita)                 | 126/137 | 81/137         | \$0     | \$4    |
| People                                                         | 75/     | 112            | -       | -      |
| Migrants (% of Population)                                     | 108/139 | 72/139         | 3%      | 4%     |
| Tourists (Dep./Arr. per Capita)                                | •       | <b>91</b> /126 | •       | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 36/126  | 83/116         | 7%      | 1%     |

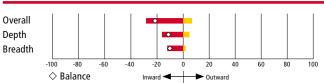
**ROOTED MAP** 

#### **RWANDA'S MERCHANDISE EXPORTS, 2014 Top Export Destinations Major Export Products** 1. Tanzania (28%) 6. Switzerland (4%) Coffee, tea, hides, tin ore 2. Congo, DRC (24%) 3. Uganda (12%) 7. U.S.A. (3%) 8. Burundi (3%) 4. Kenya (11%) 9. U.A.E. (2%) 5. Austria (4%) 10. China (1%) Rwanda's Share of Partners' Imports 1% 0.5% 0.1% 0.01% 0.005% unknown 2%

#### **BREADTH**

|                              | Ra              | Rank    |         | e Region |
|------------------------------|-----------------|---------|---------|----------|
|                              | Outward         | Inward  | Outward | Inward   |
| Trade                        | 123             | /140    | -       | -        |
| Merchandise Trade            | 138/139         | 95/138  | 78%     | 31%      |
| Capital                      |                 |         | -       | -        |
| FDI Stock                    | •               | 69/111  | •       | 55%      |
| FDI Flows                    | •               | 68/99   | •       | 47%      |
| Portfolio Equity Stock       | •               | _       | •       | -        |
|                              |                 |         |         |          |
| Information                  |                 |         | -       | -        |
| International Phone Calls    | •               | •       | •       | •        |
| Printed Publications Trade   | 103/137         | 136/137 | 63%     | 86%      |
|                              |                 |         |         |          |
| People                       | 122             | /123    | -       | -        |
| Migrants                     | <b>129</b> /139 | 135/136 | 91%     | 100%     |
| Tourists Departures/Arrivals | _               | · .     | _       | •        |
| International Students       | _               | 83/93   | _       | 95%      |
|                              |                 |         |         |          |

#### DIRECTIONALITY



| Rank    | Level                                           |
|---------|-------------------------------------------------|
| 130/140 | \$732                                           |
| 3/140   | 45%                                             |
| 26/138  | 6.9                                             |
| 66/140  | 11.6                                            |
| _       | Yes                                             |
|         | <u>130/140</u><br><u>3/140</u><br><u>26/138</u> |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 31/129  | 4.8   |
| Infrastructure (+)        | 96/128  | 3.1   |
| Press Freedom (+)         | 127/137 | 37    |
| Labor Freedom (+)         | 12/140  | 85    |
| Financial Freedom (+)     | 101/136 | 40    |

| Globalization Policies          |         |       |  |  |  |
|---------------------------------|---------|-------|--|--|--|
|                                 | Rank    | Level |  |  |  |
| Enabling Trade Index (+)        | 61/128  | 4.1   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 24/120  | 7.4   |  |  |  |
| Capital Account Openness (+)    | 54/134  | 0.8   |  |  |  |
| Visa-Free Travel Outward (+)    | 118/140 | 47    |  |  |  |
| Visa-Free Travel Inward (+)     | 22/127  | 57    |  |  |  |

# SAUDI ARABIA

#### **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |                | Score          |        |
|--------------------|--------|--------|--------|----------------|----------------|--------|
|                    | 2015   | 2013   | Change | 2015           | 2013           | Change |
| Overall            | 39/140 | 36/140 | -3     | <b>59</b> /100 | <b>59</b> /100 | 0      |
| Depth              | 81/140 | 83/140 | 2      | 24/50          | 23/50          | 1      |
| Breadth            | 27/140 | 24/140 | -3     | 35/50          | 36/50          | -1     |
| Trade Pillar       | 28/140 | 24/140 | -4     | 63/100         | 65/100         | -2     |
| Capital Pillar     | 35/72  | 27/72  | -8     | 55/100         | 56/100         | -1     |
| Information Pillar | 43/85  | 50/85  | 7      | 58/100         | 53/100         | 5      |
| People Pillar      | 44/102 | 43/103 | -1     | 59/100         | 58/100         | 1      |

#### **CONNECTEDNESS SCORE TREND**

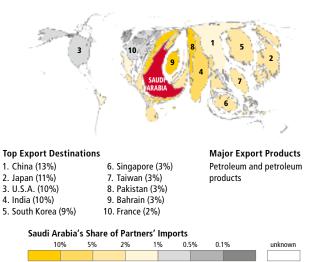
| 55           | ~ | _0_ | _0_ | _0_  |      | _0_  | _0_  | _0_  |      | -0   |
|--------------|---|-----|-----|------|------|------|------|------|------|------|
| 45 —<br>40 — |   |     |     | 2000 | 2010 | 2011 | 2012 | 2012 | 2014 | 2045 |

#### DEPTH

|                                                                | Ra      | nk      | Le                                                     | vel      |  |
|----------------------------------------------------------------|---------|---------|--------------------------------------------------------|----------|--|
|                                                                | Outward | Inward  | Outward                                                | Inward   |  |
| Trade                                                          | 82/     | 140     | -                                                      | -        |  |
| Merchandise Trade (% of GDP)                                   | 51/139  | 92/140  | 31%                                                    | 26%      |  |
| Services Trade (% of GDP)                                      | 131/140 | 68/140  | 2%                                                     | 9%       |  |
| Capital                                                        | 61/     | '90     | -                                                      | _        |  |
| FDI Stock (% of GDP)                                           | 65/133  | 86/140  | 10%                                                    | 34%      |  |
| FDI Flows (% of GFCF)                                          | 58/131  | 115/138 | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ |          |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | 44/82   | 73/81   | 25%                                                    | 3%       |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 32/84   | ·       | 2%                                                     | <u>%</u> |  |
| Information                                                    | 56/     | 140     | -                                                      | _        |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 45/     | 140     | 88,                                                    | 669      |  |
| International Phone Calls<br>(Minutes per Capita)              | 15/140  | 92/140  | 524                                                    | 97       |  |
| Printed Publications Trade<br>(USD per Capita)                 | 81/137  | 69/137  | \$1                                                    | \$6      |  |
| People                                                         | 48/     | 112     |                                                        | _        |  |
| Migrants (% of Population)                                     | 131/139 | 12/139  | 1%                                                     | 32%      |  |
| Tourists (Dep./Arr. per Capita)                                | 22/80   | 43/126  | 0.6                                                    | 0.6      |  |
| International Students (% of Tertiary<br>Education Enrollment) | 48/126  | 40/116  | 5%                                                     | 5%       |  |

#### **ROOTED MAP**

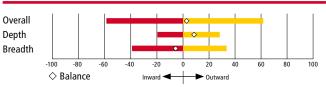
#### SAUDI ARABIA'S MERCHANDISE EXPORTS, 2015



#### **BREADTH**

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 15/     | 140    | -       | -      |
| Merchandise Trade            | 38/139  | 1/138  | 14%     | 10%    |
| Capital                      | 22      | /79    | -       | -      |
| FDI Stock                    | ·       | 48/111 | •       | 35%    |
| FDI Flows                    | 52/77   | 18/99  | 43%     | 21%    |
| Portfolio Equity Stock       | 16/71   |        | 1%      |        |
| Information                  | 49      | /85    | _       | -      |
| International Phone Calls    | 41/83   | 51/70  | 54%     | 18%    |
| Printed Publications Trade   | 63/137  | 45/137 | 40%     | 10%    |
| People                       | 46/     | 123    | -       | -      |
| Migrants                     | 8/139   | 28/136 | 34%     | 23%    |
| Tourists Departures/Arrivals | _       | 93/94  | _       | 68%    |
| International Students       | _       | 27/93  | _       | 49%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |          |
|----------------------------|--------|----------|
|                            | Rank   | Level    |
| GDP per Capita (+)         | 36/140 | \$20,813 |
| Linguistic Commonality (+) | 86/140 | 3%       |
| Remoteness (-)             | 72/138 | 5.1      |
| Population (-)             | 36/140 | 31.5     |
| Landlocked (-)             | _      | No       |
|                            |        |          |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 34/129  | 4.7   |
| Infrastructure (+)        | 37/128  | 4.5   |
| Press Freedom (+)         | 130/137 | 33    |
| Labor Freedom (+)         | 41/140  | 73    |
| Financial Freedom (+)     | 68/136  | 50    |

| Rank    | Level                                |
|---------|--------------------------------------|
| 45/128  | 4.3                                  |
| 54/120  | 3.4                                  |
| 60/134  | 0.7                                  |
| 88/140  | 66                                   |
| 126/127 | 0                                    |
|         | 45/128<br>54/120<br>60/134<br>88/140 |

|                    |         | Rank           |        |        | Score  |        |  |
|--------------------|---------|----------------|--------|--------|--------|--------|--|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |  |
| Overall            | 103/140 | 113/140        | 10     | 37/100 | 33/100 | 4      |  |
| Depth              | 92/140  | <b>91</b> /140 | -1     | 20/50  | 21/50  | -1     |  |
| Breadth            | 96/140  | 110/140        | 14     | 17/50  | 12/50  | 5      |  |
| Trade Pillar       | 76/140  | 93/140         | 17     | 47/100 | 41/100 | 6      |  |
| Capital Pillar     | •       | •              | •      | •      | •      | •      |  |
| Information Pillar | · ·     | •              | •      | •      | •      | •      |  |
| People Pillar      | •       | •              |        | •      | •      | •      |  |

#### **CONNECTEDNESS SCORE TREND**

| 30             |      |      |      | ~    |      | _0-  | _0_  | _0_  | _0_  | _0~  |      |
|----------------|------|------|------|------|------|------|------|------|------|------|------|
| 25<br>20<br>15 |      |      |      |      |      |      |      |      |      |      |      |
|                | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

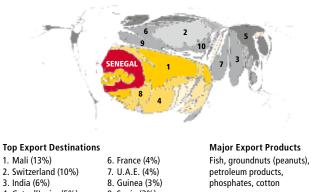
#### DEPTH

|                                                                | Rank           |         | Le      | vel    |  |
|----------------------------------------------------------------|----------------|---------|---------|--------|--|
|                                                                | Outward        | Inward  | Outward | Inward |  |
| Trade                                                          | 68/            | 140     | -       | -      |  |
| Merchandise Trade (% of GDP)                                   | 95/139         | 42/140  | 19%     | 42%    |  |
| Services Trade (% of GDP)                                      | 78/140         | 65/140  | 8%      | 9%     |  |
| Capital                                                        |                |         | -       | _      |  |
| FDI Stock (% of GDP)                                           | <b>92</b> /133 | 110/140 | 3%      | 21%    |  |
| FDI Flows (% of GFCF)                                          | 85/131         | 82/138  | 1%      | 9%     |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | •              | •       | •       | •      |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | •              | ·       | •       | •      |  |
|                                                                |                |         |         |        |  |
| Information                                                    | 107/140        |         | -       |        |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 113.           | /140    | 6,9     | 931    |  |
| International Phone Calls<br>(Minutes per Capita)              | 92/140         | 77/140  | 39      | 137    |  |
| Printed Publications Trade<br>(USD per Capita)                 | 109/137        | 110/137 | \$0     | \$2    |  |
| People                                                         |                |         | -       | -      |  |
| Migrants (% of Population)                                     | 93/139         | 98/139  | 4%      | 2%     |  |
| Tourists (Dep./Arr. per Capita)                                | •              | 98/126  | •       | 0.1    |  |
| International Students (% of Tertiary<br>Education Enrollment) | 16/126         | •       | 14%     | •      |  |

#### DHL Global Connectedness Index 2016 199

#### **ROOTED MAP**

#### SENEGAL'S MERCHANDISE EXPORTS, 2015



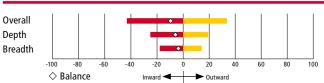
# 2. Switzeriand (10%) 7. 0.A.E. (4%) periodial 3. India (6%) 8. Guinea (3%) phosphat 4. Cote d'Ivoire (5%) 9. Spain (3%) 5. China (5%) 10. Italy (3%) Senegal's Share of Partners' Imports

| Jenegui 3 | s share e | i i ui ui ci s | mports |       |       |         |
|-----------|-----------|----------------|--------|-------|-------|---------|
| 3%        | 6 19      | 6.5%           | 0.1%   | 0.05% | 0.01% | unknown |
|           |           |                |        |       |       |         |

#### BREADTH

|                              | Rank    |         | % Same  | % Same Region |  |  |
|------------------------------|---------|---------|---------|---------------|--|--|
|                              | Outward | Inward  | Outward | Inward        |  |  |
| Trade                        | 78/     | 140     | -       | -             |  |  |
| Merchandise Trade            | 101/139 | 56/138  | 46%     | 15%           |  |  |
| Capital                      |         |         | -       | -             |  |  |
| FDI Stock                    | 70/88   | 100/111 | 95%     | 11%           |  |  |
| FDI Flows                    | •       | •       | •       | 0%            |  |  |
| Portfolio Equity Stock       | •       |         |         | -             |  |  |
| Information                  |         |         | _       | -             |  |  |
| International Phone Calls    | •       | · ·     | •       | •             |  |  |
| Printed Publications Trade   | 106/137 | 127/137 | 83%     | 1%            |  |  |
| People                       |         |         | -       | -             |  |  |
| Migrants                     | 98/139  | 110/136 | 45%     | 88%           |  |  |
| Tourists Departures/Arrivals | _       | •       | _       | •             |  |  |
| International Students       | _       | •       | _       | ·             |  |  |

#### DIRECTIONALITY



| Structural Factors         |         |       |
|----------------------------|---------|-------|
|                            | Rank    | Level |
| GDP per Capita (+)         | 126/140 | \$913 |
| Linguistic Commonality (+) | 52/140  | 8%    |
| Remoteness (-)             | 51/138  | 6.0   |
| Population (-)             | 64/140  | 15.1  |
| Landlocked (-)             |         | No    |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 76/129  | 4.0   |
| Infrastructure (+)        | 96/128  | 3.1   |
| Press Freedom (+)         | 59/137  | 74    |
| Labor Freedom (+)         | 132/140 | 40    |
| Financial Freedom (+)     | 101/136 | 40    |

| Globalization Policies          |                |       |  |  |
|---------------------------------|----------------|-------|--|--|
|                                 | Rank           | Level |  |  |
| Enabling Trade Index (+)        | 96/128         | 3.6   |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 19/120         | 8.5   |  |  |
| Capital Account Openness (+)    | <b>91</b> /134 | 0.2   |  |  |
| Visa-Free Travel Outward (+)    | 107/140        | 53    |  |  |
| Visa-Free Travel Inward (+)     | 8/127          | 71    |  |  |

# **SERBIA**

#### **KEY SCORES AND TRENDS**

|                    |        | Rank           |        |        | Score  |        |  |
|--------------------|--------|----------------|--------|--------|--------|--------|--|
|                    | 2015   | 2013           | Change | 2015   | 2013   | Change |  |
| Overall            | 71/140 | 77/140         | 6      | 46/100 | 45/100 | 1      |  |
| Depth              | 56/140 | 59/140         | 3      | 29/50  | 29/50  | 0      |  |
| Breadth            | 89/140 | 89/140         | 0      | 18/50  | 16/50  | 2      |  |
| Trade Pillar       | 58/140 | 76/140         | 18     | 54/100 | 48/100 | 6      |  |
| Capital Pillar     | 55/72  | 47/72          | -8     | 44/100 | 46/100 | -2     |  |
| Information Pillar | 67/85  | 56/85          | -11    | 45/100 | 49/100 | -4     |  |
| People Pillar      | 61/102 | <b>61</b> /103 | 0      | 45/100 | 45/100 | 0      |  |

#### **CONNECTEDNESS SCORE TREND**

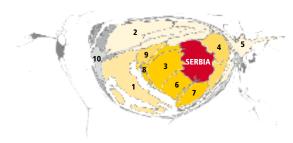
| 55 |      |      |      |          |      |      |      |      |      |      |        |
|----|------|------|------|----------|------|------|------|------|------|------|--------|
| 50 |      |      |      |          |      |      |      |      |      |      |        |
| 45 |      |      | -    | <u> </u> |      |      |      | -0-  | _0_  | _0   | $\sim$ |
| 40 | 0    | -0-  |      |          | 0    |      |      |      |      |      |        |
| 35 |      |      |      |          |      |      |      |      |      |      |        |
| 30 | 2005 | 2006 | 2007 | 2008     | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015   |

#### DEPTH

|                                                                | Rank           |                | Le      | Level  |  |
|----------------------------------------------------------------|----------------|----------------|---------|--------|--|
|                                                                | Outward        | Inward         | Outward | Inward |  |
| Trade                                                          | 30/            | 140            | -       | -      |  |
| Merchandise Trade (% of GDP)                                   | 38/139         | 35/140         | 37%     | 50%    |  |
| Services Trade (% of GDP)                                      | 52/140         | 59/140         | 12%     | 10%    |  |
| Capital                                                        | 64/            | /90            | -       | -      |  |
| FDI Stock (% of GDP)                                           | <b>69</b> /133 | 28/140         | 8%      | 79%    |  |
| FDI Flows (% of GFCF)                                          | 50/131         | 22/138         | 5%      | 30%    |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | 74/82          | 70/81          | 0%      | 6%     |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | 64/84          | 78/86          | 0%      | -1%    |  |
| Information                                                    | 81/            | 140            | -       | _      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 95/            | 140            | 20,     | 478    |  |
| International Phone Calls<br>(Minutes per Capita)              | 71/140         | 70/140         | 70      | 147    |  |
| Printed Publications Trade<br>(USD per Capita)                 | 43/137         | 77/137         | \$7     | \$5    |  |
| People                                                         | 52/            | 112            | -       | -      |  |
| Migrants (% of Population)                                     | 41/139         | 48/139         | 11%     | 9%     |  |
| Tourists (Dep./Arr. per Capita)                                | •              | <b>81</b> /126 | ·       | 0.1    |  |
| International Students (% of Tertiary<br>Education Enrollment) | 57/126         | 52/116         | 5%      | 4%     |  |

#### **ROOTED MAP**

#### SERBIA'S MERCHANDISE EXPORTS, 2015



| Top Export Destinations      |                    | Majo   |
|------------------------------|--------------------|--------|
| 1. Italy (16%)               | 6. Montenegro (5%) | Iron a |
| 2. Germany (13%)             | 7. Macedonia (4%)  | whea   |
| 3. Bosnia & Herzegovina (9%) | 8. Croatia (3%)    | nonfe  |
| 4. Romania (6%)              | 9. Slovenia (3%)   | ance   |
| 5. Russia (5%)               | 10. France (3%)    | and a  |
| Carlis /a Channa f Danta     |                    |        |

#### **Major Export Products**

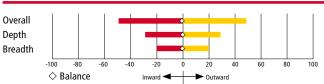
Iron and steel, rubber, clothes, wheat, fruit and vegetables, nonferrous metals, electric appliances, metal products, weapons and ammunition, automobiles

| Serbia's Share of Partners' Imports |     |      |        |       |         |        |      |
|-------------------------------------|-----|------|--------|-------|---------|--------|------|
| 2                                   | % 1 | % 0. | 5% 0.1 | % 0.0 | 5% 0.02 | 2% unk | nown |
|                                     |     |      |        |       |         |        |      |

#### BREADTH

|                              | Rank           |         | % Same  | % Same Region |  |
|------------------------------|----------------|---------|---------|---------------|--|
|                              | Outward        | Inward  | Outward | Inward        |  |
| Trade                        | 97/            | 140     | -       | -             |  |
| Merchandise Trade            | 105/139        | 77/138  | 91%     | 79%           |  |
| Capital                      | 46             | /79     | -       | -             |  |
| FDI Stock                    | 54/88          | 62/111  | 96%     | 97%           |  |
| FDI Flows                    | 35/77          | 38/99   | 91%     | 95%           |  |
| Portfolio Equity Stock       |                |         |         |               |  |
| Information                  | 67/            | /85     | _       | -             |  |
| International Phone Calls    | 68/83          | 62/70   | 98%     | 79%           |  |
| Printed Publications Trade   | <b>51</b> /137 | 47/137  | 92%     | 91%           |  |
| People                       | 93/            | 123     | -       | -             |  |
| Migrants                     | <b>69</b> /139 | 106/136 | 88%     | 99%           |  |
| Tourists Departures/Arrivals | _              | 50/94   | -       | 89%           |  |
| International Students       | -              | 86/93   | -       | 96%           |  |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 82/140  | \$5,120 |
| Linguistic Commonality (+) | 102/140 | 0%      |
| Remoteness (-)             | 118/138 | 2.8     |
| Population (-)             | 81/140  | 8.9     |
| Landlocked (-)             | -       | No      |
|                            |         |         |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 97/129 | 3.7   |
| Infrastructure (+)        | 67/128 | 3.8   |
| Press Freedom (+)         | 55/137 | 74    |
| Labor Freedom (+)         | 44/140 | 70    |
| Financial Freedom (+)     | 68/136 | 50    |

| Globalization Policies |        |  |  |  |  |
|------------------------|--------|--|--|--|--|
| Rank                   | Level  |  |  |  |  |
| 87/128                 | 3.7    |  |  |  |  |
| •                      | •      |  |  |  |  |
| •                      |        |  |  |  |  |
| 62/140                 | 110    |  |  |  |  |
| 61/127                 | 25     |  |  |  |  |
|                        | 87/128 |  |  |  |  |

- Not Applicable

(+) Positive Impact

(-) Negative Impact

|                    |        | Rank   |        |        | Score  |        |  |
|--------------------|--------|--------|--------|--------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |  |
| Overall            | 2/140  | 2/140  | 0      | 87/100 | 85/100 | 2      |  |
| Depth              | 1/140  | 1/140  | 0      | 48/50  | 48/50  | 0      |  |
| Breadth            | 19/140 | 21/140 | 2      | 39/50  | 38/50  | 1      |  |
| Trade Pillar       | 2/140  | 2/140  | 0      | 90/100 | 89/100 | 1      |  |
| Capital Pillar     | 6/72   | 10/72  | 4      | 76/100 | 74/100 | 2      |  |
| Information Pillar | 6/85   | 4/85   | -2     | 84/100 | 86/100 | -2     |  |
| People Pillar      |        |        |        |        |        | •      |  |

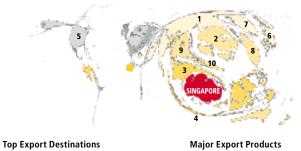
| c  | ONNEC | TEDNI | ESS SC | ORE TH | REND | <br> |      |      |      |      |
|----|-------|-------|--------|--------|------|------|------|------|------|------|
| 55 |       |       |        |        |      |      |      |      |      |      |
|    |       |       |        |        | _0_  |      |      |      |      |      |
|    |       |       |        |        |      | -    |      |      |      |      |
| /5 |       |       |        |        | 2009 | 2011 | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Ra      | nk     | Level   |        |
|----------------------------------------------------------------|---------|--------|---------|--------|
|                                                                | Outward | Inward | Outward | Inward |
| Trade                                                          | 1/1     | 1/140  |         | -      |
| Merchandise Trade (% of GDP)                                   | 2/139   | 2/140  | 120%    | 101%   |
| Services Trade (% of GDP)                                      | 5/140   | 4/140  | 48%     | 49%    |
| Capital                                                        | 6/9     | 90     | -       | -      |
| FDI Stock (% of GDP)                                           | 6/133   | 5/140  | 214%    | 334%   |
| FDI Flows (% of GFCF)                                          | 6/131   | 6/138  | 48%     | 83%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 16/82   | 41/81  | 74%     | 21%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 17/84   | 77/86  | 5%      | -1%    |
| Information                                                    | 2/1     | 40     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 4/1     | 4/140  |         | 006    |
| International Phone Calls<br>(Minutes per Capita)              | 4/140   | 2/140  | 2019    | 996    |
| Printed Publications Trade<br>(USD per Capita)                 | 4/137   | 8/137  | \$158   | \$83   |
| People                                                         | 5/1     | 5/112  |         | _      |
| Migrants (% of Population)                                     | 74/139  | 6/139  | 6%      | 45%    |
| Tourists (Dep./Arr. per Capita)                                | 2/80    | 10/126 | 1.6     | 2.2    |
| International Students (% of Tertiary<br>Education Enrollment) | 26/126  | 1/116  | 9%      | 45%    |

#### **ROOTED MAP**

#### **SINGAPORE'S MERCHANDISE EXPORTS, 2015**



#### 1. China (14%) 6. Japan (4%) 2. Hong Kong (11%) 3. Malaysia (11%) 7. South Korea (4%) 8. Taiwan (4%) 4. Indonesia (8%) 9. Thailand (4%) 5. U.S.A. (7%) 10. Vietnam (4%)

#### Machinery and equipment (including electronics and telecommunications), pharmaceuticals and other chemicals, refined petroleum

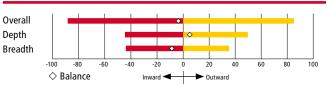
products, foodstuffs and beverages

| Singapo | ore's S | hare o | of Partners | ' Import | S  |      |         |
|---------|---------|--------|-------------|----------|----|------|---------|
| 2       | 0%      | 10%    | 5%          | 2%       | 1% | 0.5% | unknown |
|         |         |        |             |          |    |      |         |

#### **BREADTH**

|                              | Ra      | Rank   |         | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 28/     | 140    | -       | -      |
| Merchandise Trade            | 46/139  | 20/138 | 72%     | 59%    |
| Capital                      | 16/     | 16/79  |         | -      |
| FDI Stock                    | 27/88   | 6/111  | 66%     | 29%    |
| FDI Flows                    | 20/77   | •      | 64%     | •      |
| Portfolio Equity Stock       | 20/71   |        | 42%     | _      |
| Information                  | 22      | 22/85  |         | -      |
| International Phone Calls    | 25/83   | •      | 52%     | •      |
| Printed Publications Trade   | 42/137  | 39/137 | 81%     | 42%    |
| People                       |         |        | _       | -      |
| Migrants                     | 58/139  | 39/136 | 61%     | 83%    |
| Tourists Departures/Arrivals | _       | · ·    | _       | •      |
| International Students       | _       | •      | _       | •      |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |          |
|----------------------------|--------|----------|
|                            | Rank   | Level    |
| GDP per Capita (+)         | 7/140  | \$52,888 |
| Linguistic Commonality (+) | 1/140  | 55%      |
| Remoteness (-)             | 31/138 | 6.6      |
| Population (-)             | 97/140 | 5.6      |
| Landlocked (-)             | _      | No       |
|                            |        |          |

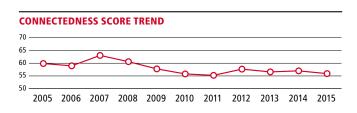
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 1/129   | 5.8   |
| Infrastructure (+)        | 1/128   | 6.1   |
| Press Freedom (+)         | 122/137 | 50    |
| Labor Freedom (+)         | 2/140   | 97    |
| Financial Freedom (+)     | 3/136   | 80    |

| Globalization Policies          |         |       |  |  |  |
|---------------------------------|---------|-------|--|--|--|
|                                 | Rank    | Level |  |  |  |
| Enabling Trade Index (+)        | 1/128   | 5.9   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 120/120 | 0.0   |  |  |  |
| Capital Account Openness (+)    | 1/134   | 1.0   |  |  |  |
| Visa-Free Travel Outward (+)    | 19/140  | 169   |  |  |  |
| Visa-Free Travel Inward (+)     | 16/127  | 67    |  |  |  |

# **SLOVAK REPUBLIC**

#### **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |  |
|--------------------|--------|--------|--------|--------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |  |
| Overall            | 45/140 | 40/140 | -5     | 56/100 | 57/100 | -1     |  |
| Depth              | 28/140 | 17/140 | -11    | 33/50  | 36/50  | -3     |  |
| Breadth            | 68/140 | 69/140 | 1      | 23/50  | 21/50  | 2      |  |
| Trade Pillar       | 27/140 | 29/140 | 2      | 64/100 | 63/100 | 1      |  |
| Capital Pillar     | 57/72  | 49/72  | -8     | 42/100 | 45/100 | -3     |  |
| Information Pillar | 40/85  | 39/85  | -1     | 60/100 | 59/100 | 1      |  |
| People Pillar      | 37/102 | 36/103 | -1     | 63/100 | 63/100 | 0      |  |

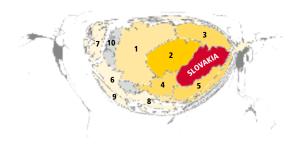


#### DEPTH

|                                                                | Ra      | nk             | Level   |        |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 10/     | 140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 4/139   | 6/140          | 87%     | 85%    |
| Services Trade (% of GDP)                                      | 66/140  | 66/140         | 9%      | 9%     |
| Capital                                                        | 71/     | /90            |         | -      |
| FDI Stock (% of GDP)                                           | 90/133  | 45/140         | 3%      | 56%    |
| FDI Flows (% of GFCF)                                          | 125/131 | 136/138        | -1%     | 0%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 32/82   | 66/81          | 39%     | 7%     |
| Portfolio Equity Flows (% of Mkt Cap)                          | 47/84   | 31/86          | 1%      | 1%     |
| Information                                                    | 67/     | 140            | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 100     | /140           | 17,     | 240    |
| International Phone Calls<br>(Minutes per Capita)              | 63/140  | 60/140         | 89      | 179    |
| Printed Publications Trade<br>(USD per Capita)                 | 21/137  | 30/137         | \$36    | \$24   |
| People                                                         | 24/     | 112            | _       | -      |
| Migrants (% of Population)                                     | 63/139  | <b>79</b> /139 | 6%      | 3%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 23/126         | •       | 1.2    |
| International Students (% of Tertiary<br>Education Enrollment) | 10/126  | 37/116         | 16%     | 6%     |

#### **ROOTED MAP**

#### **SLOVAK REPUBLIC'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

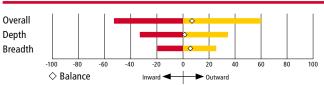
| Top Export Destination  | s                    | Major Export Products         |
|-------------------------|----------------------|-------------------------------|
| 1. Germany (23%)        | 6. France (6%)       | Vehicles and related parts,   |
| 2. Czech Republic (12%) | 7. U.K. (6%)         | machinery and electrical      |
| 3. Poland (9%)          | 8. Italy (5%)        | equipment, nuclear reactors   |
| 4. Austria (6%)         | 9. Spain (3%)        | and furnaces, iron and steel, |
| 5. Hungary (6%)         | 10. Netherlands (2%) | mineral oils and fuels        |

| Slovakia's Share of Partners' Imports |    |    |    |      |      |      |         |  |  |
|---------------------------------------|----|----|----|------|------|------|---------|--|--|
|                                       | 5% | 2% | 1% | 0.5% | 0.2% | 0.1% | unknown |  |  |
|                                       |    |    |    |      |      |      |         |  |  |

#### **BREADTH**

|                              | Ra      | nk      | % Same  | Region |  |  |
|------------------------------|---------|---------|---------|--------|--|--|
|                              | Outward | Inward  | Outward | Inward |  |  |
| Trade                        | 95/     | 140     | -       | _      |  |  |
| Merchandise Trade            | 73/139  | 109/138 | 91%     | 86%    |  |  |
| Capital                      | 47/     | /79     | -       | -      |  |  |
| FDI Stock                    | 40/88   | 58/111  | 92%     | 91%    |  |  |
| FDI Flows                    | 44/77   | 67/99   | 99%     | 80%    |  |  |
| Portfolio Equity Stock       | 37/71   |         | 81%     | _      |  |  |
| Information                  | 35/85   |         | _       |        |  |  |
| International Phone Calls    | 47/83   | •       | 95%     | 91%    |  |  |
| Printed Publications Trade   | 24/137  | 71/137  | 98%     | 91%    |  |  |
| People                       | 52/     | 52/123  |         | -      |  |  |
| Migrants                     | 84/139  | 32/136  | 93%     | 94%    |  |  |
| Tourists Departures/Arrivals | _       | 42/94   | -       | 92%    |  |  |
| International Students       | _       | 55/93   | _       | 93%    |  |  |

#### DIRECTIONALITY



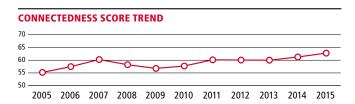
#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 43/140  | \$15,992 |
| Linguistic Commonality (+) | 108/140 | 0%       |
| Remoteness (-)             | 130/138 | 2.3      |
| Population (-)             | 99/140  | 5.4      |
| Landlocked (-)             | -       | Yes      |
|                            |         |          |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 48/129 | 4.4   |
| Infrastructure (+)        | 40/128 | 4.4   |
| Press Freedom (+)         | 14/137 | 95    |
| Labor Freedom (+)         | 89/140 | 57    |
| Financial Freedom (+)     | 18/136 | 70    |

| Globalization Policies          |        |       |  |  |  |  |
|---------------------------------|--------|-------|--|--|--|--|
|                                 | Rank   | Level |  |  |  |  |
| Enabling Trade Index (+)        | 45/128 | 4.3   |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |  |  |  |  |
| Capital Account Openness (+)    | 54/134 | 0.8   |  |  |  |  |
| Visa-Free Travel Outward (+)    | 30/140 | 162   |  |  |  |  |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |  |  |  |  |

|                    |        | Rank           |        |        | Score  |        |
|--------------------|--------|----------------|--------|--------|--------|--------|
|                    | 2015   | 2013           | Change | 2015   | 2013   | Change |
| Overall            | 33/140 | 34/140         | 1      | 63/100 | 60/100 | 3      |
| Depth              | 16/140 | 19/140         | 3      | 37/50  | 35/50  | 2      |
| Breadth            | 60/140 | 57/140         | -3     | 26/50  | 25/50  | 1      |
| Trade Pillar       | 22/140 | 26/140         | 4      | 66/100 | 65/100 | 1      |
| Capital Pillar     | 40/72  | 46/72          | 6      | 52/100 | 47/100 | 5      |
| Information Pillar | •      | •              | •      | •      | •      | •      |
| People Pillar      | 36/102 | <b>39</b> /103 | 3      | 63/100 | 62/100 | 1      |



#### DEPTH

|                                                                | Ra              | nk      | Le      | vel    |
|----------------------------------------------------------------|-----------------|---------|---------|--------|
|                                                                | Outward         | Inward  | Outward | Inward |
| Trade                                                          | 8/1             | 40      | -       | -      |
| Merchandise Trade (% of GDP)                                   | 10/139          | 11/140  | 75%     | 69%    |
| Services Trade (% of GDP)                                      | 34/140          | 57/140  | 15%     | 10%    |
| Capital                                                        | 55/             | /90     | -       | _      |
| FDI Stock (% of GDP)                                           | 53/133          | 102/140 | 13%     | 28%    |
| FDI Flows (% of GFCF)                                          | <b>119</b> /131 | 100/138 | 0%      | 7%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 21/82           | 47/81   | 63%     | 19%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 35/84           | 22/86   | 2%      | 2%     |
| Information                                                    | 26/             | 140     | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 21/             | 140     | 154     | ,627   |
| International Phone Calls<br>(Minutes per Capita)              | 40/140          | 69/140  | 218     | 149    |
| Printed Publications Trade<br>(USD per Capita)                 | 11/137          | 20/137  | \$81    | \$40   |
| People                                                         | 33/             | 112     | -       | _      |
| Migrants (% of Population)                                     | 60/139          | 38/139  | 7%      | 11%    |
| Tourists (Dep./Arr. per Capita)                                | 7/80            | 21/126  | 1.3     | 1.2    |
| International Students (% of Tertiary<br>Education Enrollment) | 78/126          | 59/116  | 3%      | 3%     |

#### DHL Global Connectedness Index 2016 203

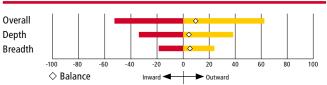
#### **ROOTED MAP**

#### **SLOVENIA'S MERCHANDISE EXPORTS, 2015 Top Export Destinations Major Export Products** Manufactured goods, 1. Germany (19%) 6. Hungary (4%) 7. France (4%) 2. Italy (11%) machinery and transport equipment, chemicals, food 3. Austria (8%) 8. Poland (4%) 4. Croatia (7%) 9. Serbia (3%) 5. Slovakia (5%) 10. Russia (3%) Slovenia's Share of Partners' Imports 0.5% 0.25% 0.1% 0.05% 5% 1% unknown

#### **BREADTH**

|                              | Ra             | nk     | % Same  | e Region |  |
|------------------------------|----------------|--------|---------|----------|--|
|                              | Outward        | Inward | Outward | Inward   |  |
| Trade                        | 86/            | 86/140 |         | -        |  |
| Merchandise Trade            | 83/139         | 83/138 | 89%     | 78%      |  |
| Capital                      | 38             | 38/79  |         | _        |  |
| FDI Stock                    | 51/88          | 68/111 | 93%     | 98%      |  |
| FDI Flows                    | 50/77          | 65/99  | 99%     | 99%      |  |
| Portfolio Equity Stock       | 12/71          |        | 59%     | _        |  |
| Information                  | -              |        | -       | -        |  |
| International Phone Calls    | •              | •      | ·       | •        |  |
| Printed Publications Trade   | 18/137         | 70/137 | 90%     | 94%      |  |
| People                       | 45/            | 45/123 |         | -        |  |
| Migrants                     | <b>57</b> /139 | 83/136 | 80%     | 98%      |  |
| Tourists Departures/Arrivals | -              | 23/94  | -       | 87%      |  |
| International Students       | _              | 58/93  | _       | 92%      |  |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors |                                                   |  |  |  |  |  |
|--------------------|---------------------------------------------------|--|--|--|--|--|
| Rank               | Level                                             |  |  |  |  |  |
| 37/140             | \$20,732                                          |  |  |  |  |  |
| 108/140            | 0%                                                |  |  |  |  |  |
| 131/138            | 2.2                                               |  |  |  |  |  |
| 122/140            | 2.1                                               |  |  |  |  |  |
| _                  | No                                                |  |  |  |  |  |
|                    | <u>37/140</u><br><u>108/140</u><br><u>131/138</u> |  |  |  |  |  |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 56/129 | 4.3   |
| Infrastructure (+)        | 34/128 | 4.6   |
| Press Freedom (+)         | 32/137 | 83    |
| Labor Freedom (+)         | 84/140 | 57    |
| Financial Freedom (+)     | 68/136 | 50    |

| Globalization Policies          |        |       |  |  |  |  |
|---------------------------------|--------|-------|--|--|--|--|
|                                 | Rank   | Level |  |  |  |  |
| Enabling Trade Index (+)        | 37/128 | 4.4   |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |  |  |  |  |
| Capital Account Openness (+)    | 60/134 | 0.7   |  |  |  |  |
| Visa-Free Travel Outward (+)    | 31/140 | 161   |  |  |  |  |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |  |  |  |  |

- Not Applicable

· Data Not Available

(+) Positive Impact

# **SOUTH AFRICA**

#### **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |
|--------------------|--------|--------|--------|--------|--------|--------|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |
| Overall            | 47/140 | 44/140 | -3     | 55/100 | 55/100 | 0      |
| Depth              | 88/140 | 86/140 | -2     | 22/50  | 22/50  | 0      |
| Breadth            | 34/140 | 34/140 | 0      | 33/50  | 33/50  | 0      |
| Trade Pillar       | 20/140 | 20/140 | 0      | 67/100 | 67/100 | 0      |
| Capital Pillar     | 33/72  | 35/72  | 2      | 55/100 | 52/100 | 3      |
| Information Pillar | 61/85  | 58/85  | -3     | 49/100 | 49/100 | 0      |
| People Pillar      | 76/102 | 75/103 | -1     | 35/100 | 38/100 | -3     |

#### CONNECTEDNESS SCORE TREND

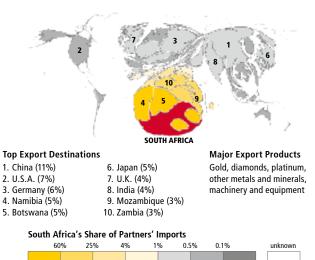
| 65<br>60<br>55<br>50<br>45 |      |      | _0^  | <u> </u> | <u>_</u> | _0_  |      | _0_  | _0_  | _0_  | -0   |
|----------------------------|------|------|------|----------|----------|------|------|------|------|------|------|
| 40                         | 2005 | 2006 | 2007 | 2008     | 2009     | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Ra             | nk      | Le      | vel    |
|----------------------------------------------------------------|----------------|---------|---------|--------|
|                                                                | Outward        | Inward  | Outward | Inward |
| Trade                                                          | 79/            | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | <b>69</b> /139 | 65/140  | 26%     | 33%    |
| Services Trade (% of GDP)                                      | 100/140        | 114/140 | 5%      | 5%     |
| Capital                                                        | 53/            | /90     | -       | -      |
| FDI Stock (% of GDP)                                           | <b>19</b> /133 | 73/140  | 52%     | 40%    |
| FDI Flows (% of GFCF)                                          | 36/131         | 97/138  | 9%      | 7%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 47/82          | 56/81   | 15%     | 13%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 61/84          | 50/86   | 0%      | 0%     |
| Information                                                    | 77/            | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 22/            | 140     | 147,    | ,630   |
| International Phone Calls<br>(Minutes per Capita)              | 76/140         | 117/140 | 61      | 44     |
| Printed Publications Trade<br>(USD per Capita)                 | 71/137         | 85/137  | \$1     | \$4    |
| People                                                         | 83/            | 112     |         | -      |
| Migrants (% of Population)                                     | 120/139        | 58/139  | 2%      | 6%     |
| Tourists (Dep./Arr. per Capita)                                | •              | 77/126  | •       | 0.2    |
| International Students (% of Tertiary<br>Education Enrollment) | 120/126        | 55/116  | 1%      | 3%     |

#### **ROOTED MAP**

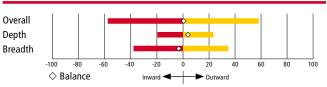
#### **SOUTH AFRICA'S MERCHANDISE EXPORTS, 2015**



#### **BREADTH**

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 6/1     | 40     | -       | -      |
| Merchandise Trade            | 23/139  | 3/138  | 31%     | 12%    |
| Capital                      | 30      | /79    | -       | -      |
| FDI Stock                    | 20/88   | 35/111 | 17%     | 2%     |
| FDI Flows                    | •       | 34/99  | •       | 0%     |
| Portfolio Equity Stock       | 34/71   |        | 1%      | _      |
| Information                  | 60      | /85    | _       | -      |
| International Phone Calls    | 71/83   | 47/70  | 79%     | 24%    |
| Printed Publications Trade   | 87/137  | 9/137  | 85%     | 6%     |
| People                       | 79/123  |        | -       | -      |
| Migrants                     | 55/139  | 52/136 | 13%     | 74%    |
| Tourists Departures/Arrivals | _       | 77/94  | _       | 76%    |
| International Students       | _       | 63/93  | -       | 86%    |

#### DIRECTIONALITY



#### **STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS**

| Level   |
|---------|
| \$5,695 |
| 39%     |
| 8.4     |
| 54.5    |
| No      |
|         |

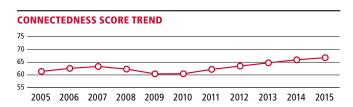
|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 56/129 | 4.3   |
| Infrastructure (+)        | 50/128 | 4.2   |
| Press Freedom (+)         | 34/137 | 81    |
| Labor Freedom (+)         | 71/140 | 62    |
| Financial Freedom (+)     | 38/136 | 60    |

| Globalization Policies |                                      |  |  |  |  |
|------------------------|--------------------------------------|--|--|--|--|
| Rank                   | Level                                |  |  |  |  |
| 56/128                 | 4.2                                  |  |  |  |  |
| 49/120                 | 3.9                                  |  |  |  |  |
| <b>91</b> /134         | 0.2                                  |  |  |  |  |
| 69/140                 | 95                                   |  |  |  |  |
| 61/127                 | 25                                   |  |  |  |  |
|                        | 56/128<br>49/120<br>91/134<br>69/140 |  |  |  |  |

### **SPAIN**

#### **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |
|--------------------|--------|--------|--------|--------|--------|--------|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |
| Overall            | 23/140 | 25/140 | 2      | 67/100 | 65/100 | 2      |
| Depth              | 59/140 | 78/140 | 19     | 28/50  | 25/50  | 3      |
| Breadth            | 18/140 | 13/140 | -5     | 39/50  | 40/50  | -1     |
| Trade Pillar       | 44/140 | 42/140 | -2     | 58/100 | 58/100 | 0      |
| Capital Pillar     | 14/72  | 18/72  | 4      | 71/100 | 66/100 | 5      |
| Information Pillar | 15/85  | 14/85  | -1     | 76/100 | 76/100 | 0      |
| People Pillar      | 34/102 | 34/103 | 0      | 65/100 | 64/100 | 1      |

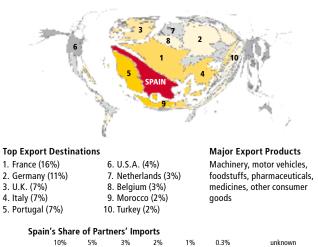


#### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 91/     | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 77/139  | 98/140  | 23%     | 26%    |
| Services Trade (% of GDP)                                      | 63/140  | 108/140 | 10%     | 5%     |
| Capital                                                        | 18/     | 90      | -       | -      |
| FDI Stock (% of GDP)                                           | 27/133  | 60/140  | 39%     | 44%    |
| FDI Flows (% of GFCF)                                          | 33/131  | 90/138  | 11%     | 8%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 38/82   | 26/81   | 28%     | 36%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 22/84   | 17/86   | 4%      | 2%     |
| Information                                                    | 36/     | 140     | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 37/     | 37/140  |         | ,006   |
| International Phone Calls<br>(Minutes per Capita)              | 38/140  | 73/140  | 236     | 144    |
| Printed Publications Trade<br>(USD per Capita)                 | 29/137  | 47/137  | \$18    | \$12   |
| People                                                         | 60/     | 60/112  |         | -      |
| Migrants (% of Population)                                     | 109/139 | 33/139  | 3%      | 13%    |
| Tourists (Dep./Arr. per Capita)                                | 40/80   | 17/126  | 0.3     | 1.4    |
| International Students (% of Tertiary<br>Education Enrollment) | 99/126  | 52/116  | 1%      | 4%     |

#### **ROOTED MAP**

#### **SPAIN'S MERCHANDISE EXPORTS, 2015**

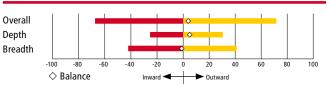


#### 3% 0.3% 10% 5% 2% 1%

#### **BREADTH**

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 21/     | 140    | -       | -      |
| Merchandise Trade            | 31/139  | 30/138 | 70%     | 64%    |
| Capital                      | 17/     | 79     | -       | -      |
| FDI Stock                    | 14/88   | 15/111 | 45%     | 87%    |
| FDI Flows                    | 15/77   | 10/99  | 52%     | 73%    |
| Portfolio Equity Stock       | 27/71   |        | 88%     | _      |
| Information                  | 16      | /85    | -       | -      |
| International Phone Calls    | 13/83   | 26/70  | 40%     | 83%    |
| Printed Publications Trade   | 30/137  | 6/137  | 67%     | 70%    |
| People                       | 24/     | 123    | _       |        |
| Migrants                     | 45/139  | 17/136 | 64%     | 39%    |
| Tourists Departures/Arrivals | _       | 28/94  | _       | 95%    |
| International Students       | -       | 29/93  | _       | 35%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                       |
|---------|-----------------------------|
| 30/140  | \$25,865                    |
| 73/140  | 5%                          |
| 104/138 | 3.5                         |
| 28/140  | 46.1                        |
|         | No                          |
|         | 30/140<br>73/140<br>104/138 |

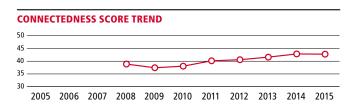
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 40/129  | 4.5   |
| Infrastructure (+)        | 12/128  | 5.6   |
| Press Freedom (+)         | 30/137  | 84    |
| Labor Freedom (+)         | 101/140 | 53    |
| Financial Freedom (+)     | 18/136  | 70    |

| Globalization Policies          |        |       |  |  |  |
|---------------------------------|--------|-------|--|--|--|
|                                 | Rank   | Level |  |  |  |
| Enabling Trade Index (+)        | 25/128 | 4.8   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |  |  |  |
| Capital Account Openness (+)    | 1/134  | 1.0   |  |  |  |
| Visa-Free Travel Outward (+)    | 14/140 | 170   |  |  |  |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |  |  |  |

# **SRI LANKA**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 86/140  | 85/140  | -1     | 43/100 | 42/100 | 1      |  |
| Depth              | 119/140 | 119/140 | 0      | 11/50  | 12/50  | -1     |  |
| Breadth            | 36/140  | 44/140  | 8      | 32/50  | 30/50  | 2      |  |
| Trade Pillar       | 73/140  | 67/140  | -6     | 49/100 | 49/100 | 0      |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |
| Information Pillar | •       | •       | •      | •      | •      | •      |  |
| People Pillar      | 48/102  | 52/103  | 4      | 54/100 | 53/100 | 1      |  |



#### DEPTH

|                                                                | Ra      | nk      | Level   |        |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 115     | /140    | -       | _      |
| Merchandise Trade (% of GDP)                                   | 116/139 | 108/140 | 13%     | 23%    |
| Services Trade (% of GDP)                                      | 75/140  | 87/140  | 8%      | 7%     |
| Capital                                                        | 89/     | /90     |         | -      |
| FDI Stock (% of GDP)                                           | 114/133 | 127/140 | 1%      | 12%    |
| FDI Flows (% of GFCF)                                          | 99/131  | 121/138 | 0%      | 4%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | 68/81   | •       | 7%     |
| Portfolio Equity Flows (% of Mkt Cap)                          | 84/84   | 46/86   | -4%     | 1%     |
| Information                                                    | 97/     | 140     | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 103     | /140    | 13,     | 886    |
| International Phone Calls<br>(Minutes per Capita)              | 78/140  | 85/140  | 58      | 115    |
| Printed Publications Trade<br>(USD per Capita)                 | 63/137  | 98/137  | \$2     | \$2    |
| People                                                         | 89/     | 112     | -       | -      |
| Migrants (% of Population)                                     | 54/139  | 134/139 | 8%      | 0%     |
| Tourists (Dep./Arr. per Capita)                                | 66/80   | 93/126  | 0.1     | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 49/126  | 100/116 | 5%      | 0%     |

#### **ROOTED MAP**

#### **SRI LANKA'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations** 1. U.S.A.

| 1. U.S.A. (26%) | 6. China (3%)   | Text  |
|-----------------|-----------------|-------|
| 2. U.K. (9%)    | 7. Belgium (3%) | spice |
| 3. India (7%)   | 8. U.A.E. (3%)  | prec  |
| 4. Germany (4%) | 9. Russia (2%)  | prod  |
| 5. Italy (4%)   | 10. Canada (2%) |       |
|                 |                 |       |

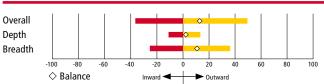
**Major Export Products** tiles and apparel, tea and ces, rubber manufactures, cious stones, coconut ducts, fish

| Sri Lank | a's Share | of Partne | ers' Impor | ts    |       |         |
|----------|-----------|-----------|------------|-------|-------|---------|
| 0.3      | 3% 0.2    | 2% 0.19   | 6 0.05%    | 0.03% | 0.01% | unknown |
|          |           |           |            |       |       |         |

#### **BREADTH**

|                              | Ra       | nk             | % Same  | % Same Region |  |  |
|------------------------------|----------|----------------|---------|---------------|--|--|
|                              | Outward  | Inward         | Outward | Inward        |  |  |
| Trade                        | 36/      | 140            | -       | -             |  |  |
| Merchandise Trade            | 10/139   | 63/138         | 11%     | 27%           |  |  |
| Capital                      |          |                | -       | -             |  |  |
| FDI Stock                    | 64/88    | <b>41</b> /111 | 11%     | 10%           |  |  |
| FDI Flows                    | •        | 97/99          | •       | 86%           |  |  |
| Portfolio Equity Stock       | <u> </u> |                |         | _             |  |  |
| Information                  |          |                | -       | -             |  |  |
| International Phone Calls    |          | •              | •       | •             |  |  |
| Printed Publications Trade   | 93/137   | 72/137         | 6%      | 17%           |  |  |
| People                       | 21/      | 21/123         |         | -             |  |  |
| Migrants                     | 26/139   | 23/136         | 10%     | 38%           |  |  |
| Tourists Departures/Arrivals | _        | 9/94           | _       | 25%           |  |  |
| International Students       | _        | 39/93          |         | 38%           |  |  |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 95/140  | \$3,889 |
| Linguistic Commonality (+) | 108/140 | 0%      |
| Remoteness (-)             | 43/138  | 6.3     |
| Population (-)             | 51/140  | 20.7    |
| Landlocked (-)             | -       | No      |
|                            |         |         |

| General Policies/Environment |         |       |  |  |
|------------------------------|---------|-------|--|--|
|                              | Rank    | Level |  |  |
| Operating Environment (+)    | 48/129  | 4.4   |  |  |
| Infrastructure (+)           | 82/128  | 3.5   |  |  |
| Press Freedom (+)            | 131/137 | 32    |  |  |
| Labor Freedom (+)            | 79/140  | 59    |  |  |
| Financial Freedom (+)        | 101/136 | 40    |  |  |

| Globalization Policies |                                       |  |  |  |  |  |
|------------------------|---------------------------------------|--|--|--|--|--|
| Rank                   | Level                                 |  |  |  |  |  |
| 82/128                 | 3.8                                   |  |  |  |  |  |
| 35/120                 | 5.3                                   |  |  |  |  |  |
| 91/134                 | 0.2                                   |  |  |  |  |  |
| 135/140                | 38                                    |  |  |  |  |  |
| 13/127                 | 70                                    |  |  |  |  |  |
|                        | 82/128<br>35/120<br>91/134<br>135/140 |  |  |  |  |  |

- Not Applicable

(+) Positive Impact

|                    |         | Rank    |        |        | Score  |        |  |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |  |
| Overall            | 89/140  | 112/140 | 23     | 42/100 | 33/100 | 9      |  |  |
| Depth              | 65/140  | 50/140  | -15    | 28/50  | 30/50  | -2     |  |  |
| Breadth            | 108/140 | 138/140 | 30     | 14/50  | 3/50   | 11     |  |  |
| Trade Pillar       | 77/140  | 104/140 | 27     | 47/100 | 38/100 | 9      |  |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |  |
| Information Pillar | •       | •       | •      | •      | •      | •      |  |  |
| People Pillar      | •       | •       | •      | •      | •      | •      |  |  |

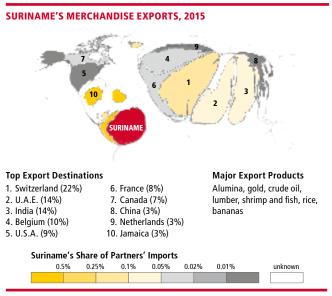
#### **CONNECTEDNESS SCORE TREND**

| 50<br>45<br>40<br>35<br>30 |      | 0    |      |      |      |          | 0    |      |      | _0_  | 0    |
|----------------------------|------|------|------|------|------|----------|------|------|------|------|------|
| 25                         | -    |      |      | ~    | ~    | <u> </u> |      |      |      |      |      |
| 20                         |      |      |      |      |      |          |      |      |      |      |      |
|                            | 2005 | 2006 | 2007 | 2008 | 2009 | 2010     | 2011 | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Ra      | nk      | Level   |        |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 51/     | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 44/139  | 50/140  | 32%     | 39%    |
| Services Trade (% of GDP)                                      | 118/140 | 30/140  | 3%      | 14%    |
| Capital                                                        |         |         | -       | _      |
| FDI Stock (% of GDP)                                           | •       | 93/140  | •       | 32%    |
| FDI Flows (% of GFCF)                                          | 116/131 | 110/138 | 0%      | 6%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          |         |         | ·       |        |
| Information                                                    | 60/     | 140     | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 67/     | 140     | 51,164  |        |
| International Phone Calls<br>(Minutes per Capita)              | 48/140  | 45/140  | 154     | 221    |
| Printed Publications Trade<br>(USD per Capita)                 | 104/137 | 52/137  | \$0     | \$11   |
| People                                                         |         |         | -       | -      |
| Migrants (% of Population)                                     | 2/139   | 50/139  | 49%     | 9%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 54/126  | •       | 0.5    |
| International Students (% of Tertiary<br>Education Enrollment) | •       | •       | •       | •      |

#### **ROOTED MAP**



#### **BREADTH**

| Ra      | nk                        | % Same                       | % Same Region                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
|---------|---------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Outward | Inward                    | Outward                      | Inward                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |
| 99/     | 140                       | -                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| 112/139 | 73/138                    | 7%                           | 20%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
|         |                           | _                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| •       | •                         | •                            | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| •       | •                         | ·                            | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| •       | -                         | ·                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
|         |                           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
|         |                           | -                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| •       | •                         | •                            | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| 72/137  | 104/137                   | •                            | 3%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
|         |                           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| 117     | /123                      | -                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| 131/139 | 105/136                   | 15%                          | 51%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
| _       | 87/94                     | _                            | 48%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
| _       | •                         | _                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
|         | Outward<br>99/<br>112/139 | 99/140<br>112/139 73/138<br> | Outward         Inward         Outward           99/140         -           112/139         73/138         7%           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         .         .           .         . |  |  |

#### DIRECTIONALITY

#### **Not Available**

| Structural Factors |                            |  |  |  |  |
|--------------------|----------------------------|--|--|--|--|
| Rank               | Level                      |  |  |  |  |
| 60/140             | \$9,306                    |  |  |  |  |
| 74/140             | 4%                         |  |  |  |  |
| 29/138             | 6.7                        |  |  |  |  |
| 135/140            | 0.5                        |  |  |  |  |
| _                  | No                         |  |  |  |  |
|                    | 60/140<br>74/140<br>29/138 |  |  |  |  |

|                           | Rank    | Leve |
|---------------------------|---------|------|
| Operating Environment (+) | •       | •    |
| Infrastructure (+)        | •       | •    |
| Press Freedom (+)         | 28/137  | 86   |
| Labor Freedom (+)         | 17/140  | 82   |
| Financial Freedom (+)     | 118/136 | 30   |

| Globalization Policies          |         |       |  |  |  |  |
|---------------------------------|---------|-------|--|--|--|--|
|                                 | Rank    | Level |  |  |  |  |
| Enabling Trade Index (+)        | •       | •     |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | •       | •     |  |  |  |  |
| Capital Account Openness (+)    | 123/134 | 0.0   |  |  |  |  |
| Visa-Free Travel Outward (+)    | 82/140  | 70    |  |  |  |  |
| Visa-Free Travel Inward (+)     | 108/127 | 17    |  |  |  |  |

# **SWEDEN**

#### **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |
|--------------------|--------|--------|--------|--------|--------|--------|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |
| Overall            | 11/140 | 10/140 | -1     | 73/100 | 73/100 | 0      |
| Depth              | 33/140 | 27/140 | -6     | 33/50  | 34/50  | -1     |
| Breadth            | 12/140 | 11/140 | -1     | 40/50  | 40/50  | 0      |
| Trade Pillar       | 36/140 | 38/140 | 2      | 62/100 | 60/100 | 2      |
| Capital Pillar     | 8/72   | 5/72   | -3     | 75/100 | 79/100 | -4     |
| Information Pillar | 13/85  | 13/85  | 0      | 77/100 | 78/100 | -1     |
| People Pillar      | 7/102  | 8/103  | 1      | 83/100 | 81/100 | 2      |

#### **CONNECTEDNESS SCORE TREND**

| 85 |       |      |    |  |     |      |  |
|----|-------|------|----|--|-----|------|--|
| 80 | <br>~ | <br> |    |  |     |      |  |
|    |       |      | ~_ |  | -0- | <br> |  |
| 70 |       |      |    |  |     | <br> |  |
| 65 |       |      |    |  |     |      |  |

#### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 63/     | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 57/139  | 88/140  | 28%     | 28%    |
| Services Trade (% of GDP)                                      | 40/140  | 42/140  | 14%     | 12%    |
| Capital                                                        | 25/     | /90     |         | _      |
| FDI Stock (% of GDP)                                           | 11/133  | 44/140  | 70%     | 57%    |
| FDI Flows (% of GFCF)                                          | 16/131  | 111/138 | 17%     | 6%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 24/82   | 24/81   | 53%     | 37%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 52/84   | 49/86   | 1%      | 0%     |
| Information                                                    | 18/     | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 6/1     | 40      | 421     | ,237   |
| International Phone Calls<br>(Minutes per Capita)              | 33/140  | 44/140  | 272     | 225    |
| Printed Publications Trade<br>(USD per Capita)                 | 20/137  | 22/137  | \$37    | \$39   |
| People                                                         | 22/     | 112     | -       | -      |
| Migrants (% of Population)                                     | 100/139 | 22/139  | 3%      | 17%    |
| Tourists (Dep./Arr. per Capita)                                | 1/80    | 25/126  | 1.7     | 1.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 65/126  | 36/116  | 4%      | 6%     |

#### **ROOTED MAP**

#### SWEDEN'S MERCHANDISE EXPORTS, 2015



#### **Top Export Destinations** 1. Norway (10%)

| • •           |                     |
|---------------|---------------------|
| Norway (10%)  | 6. Finland (7%)     |
| Germany (10%) | 7. Netherlands (5%) |
| U.S.A. (8%)   | 8. Belgium (4%)     |
| U.K. (7%)     | 9. France (4%)      |
| Denmark (7%)  | 10. China (4%)      |
|               |                     |

#### Major Export Products Machinery, motor vehicles, paper products, pulp and wood, iron and steel products, chemicals

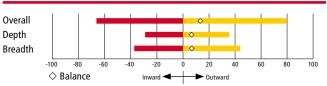
| Sweden's Sh | are of Pa | artners' | Imports |      |      |         |
|-------------|-----------|----------|---------|------|------|---------|
| 12%         | 6%        | 3%       | 1.5%    | 0.8% | 0.5% | unknown |
|             |           |          |         |      |      |         |

#### BREADTH

2. 3. 4. 5.

|                              | Ra      | Rank   |         | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 38/     | 140    | -       | -      |
| Merchandise Trade            | 21/139  | 62/138 | 72%     | 82%    |
| Capital                      | 8/      | 79     | -       | -      |
| FDI Stock                    | 8/88    | 28/111 | 75%     | 90%    |
| FDI Flows                    | •       | 5/99   | •       | 77%    |
| Portfolio Equity Stock       | 9/71    |        | 55%     | -      |
| Information                  | 23      | '85    | -       | -      |
| International Phone Calls    | 21/83   | 24/70  | 84%     | 84%    |
| Printed Publications Trade   | 56/137  | 18/137 | 56%     | 75%    |
| People                       | 10/     | 10/123 |         | -      |
| Migrants                     | 9/139   | 10/136 | 75%     | 44%    |
| Tourists Departures/Arrivals | -       | 22/94  | -       | 88%    |
| International Students       | _       | 5/93   | _       | 51%    |

#### DIRECTIONALITY

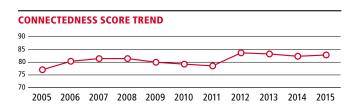


| Level    |
|----------|
| \$49,866 |
| 0%       |
| 2.6      |
| 9.8      |
| No       |
|          |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 8/129  | 5.5   |
| Infrastructure (+)        | 14/128 | 5.5   |
| Press Freedom (+)         | 5/137  | 97    |
| Labor Freedom (+)         | 96/140 | 54    |
| Financial Freedom (+)     | 3/136  | 80    |

| Globalization Policies          |        |       |  |  |  |  |
|---------------------------------|--------|-------|--|--|--|--|
|                                 | Rank   | Level |  |  |  |  |
| Enabling Trade Index (+)        | 8/128  | 5.1   |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |  |  |  |  |
| Capital Account Openness (+)    | 1/134  | 1.0   |  |  |  |  |
| Visa-Free Travel Outward (+)    | 3/140  | 172   |  |  |  |  |
| Visa-Free Travel Inward (+)     | 66/127 | 23    |  |  |  |  |

|                    |        | Rank  |        |        | Score  |        |  |
|--------------------|--------|-------|--------|--------|--------|--------|--|
|                    | 2015   | 2013  | Change | 2015   | 2013   | Change |  |
| Overall            | 4/140  | 3/140 | -1     | 83/100 | 83/100 | 0      |  |
| Depth              | 11/140 | 8/140 | -3     | 40/50  | 42/50  | -2     |  |
| Breadth            | 6/140  | 8/140 | 2      | 43/50  | 42/50  | 1      |  |
| Trade Pillar       | 8/140  | 6/140 | -2     | 80/100 | 80/100 | 0      |  |
| Capital Pillar     | 4/72   | 7/72  | 3      | 79/100 | 79/100 | 0      |  |
| Information Pillar | 9/85   | 10/85 | 1      | 81/100 | 82/100 | -1     |  |
| People Pillar      | 1/102  | 1/103 | 0      | 89/100 | 88/100 | 1      |  |



#### DEPTH

|                                                                | Rank    |        | Le      | vel    |
|----------------------------------------------------------------|---------|--------|---------|--------|
|                                                                | Outward | Inward | Outward | Inward |
| Trade                                                          | 28/     | 140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 27/139  | 52/140 | 44%     | 38%    |
| Services Trade (% of GDP)                                      | 28/140  | 28/140 | 16%     | 14%    |
| Capital                                                        | 14/     | 90     | -       | -      |
| FDI Stock (% of GDP)                                           | 7/133   | 12/140 | 171%    | 125%   |
| FDI Flows (% of GFCF)                                          | 10/131  | 48/138 | 22%     | 16%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 34/82   | 8/81   | 36%     | 65%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 43/84   | 69/86  | 1%      | 0%     |
| Information                                                    | 4/1     | 40     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 9/140   |        | 275,957 |        |
| International Phone Calls<br>(Minutes per Capita)              | 9/140   | 16/140 | 773     | 440    |
| Printed Publications Trade<br>(USD per Capita)                 | 17/137  | 1/137  | \$52    | \$190  |
| People                                                         | 10/     | 10/112 |         | -      |
| Migrants (% of Population)                                     | 52/139  | 13/139 | 8%      | 29%    |
| Tourists (Dep./Arr. per Capita)                                | 4/80    | 24/126 | 1.5     | 1.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 63/126  | 10/116 | 4%      | 18%    |

#### **ROOTED MAP**

#### SWITZERLAND'S MERCHANDISE EXPORTS, 2015



#### **Top Export Destinations**

| 1. Germany (14%)  | 6. France (6%)    |
|-------------------|-------------------|
| 2. U.S.A. (11%)   | 7. Italy (5%)     |
| 3. Hong Kong (9%) | 8. U.K. (5%)      |
| 4. India (7%)     | 9. Singapore (3%) |
| 5. China (7%)     | 10. Austria (3%)  |

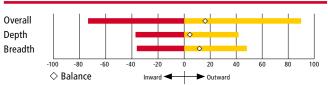
Major Export Products Machinery, chemicals, metals, watches, agricultural products

| Switzerland' | s Share ( | of Partn | ers' Impo | rts |      |         |
|--------------|-----------|----------|-----------|-----|------|---------|
| 4.5%         | 3%        | 2%       | 1.5%      | 1%  | 0.5% | unknown |
|              |           |          |           |     |      |         |

#### **BREADTH**

|                              | Rank        |        | % Same  | Region |
|------------------------------|-------------|--------|---------|--------|
|                              | Outward     | Inward | Outward | Inward |
| Trade                        | 13/         | 140    | -       | -      |
| Merchandise Trade            | 3/139       | 39/138 | 45%     | 66%    |
| Capital                      | 10/         | 79     | -       | -      |
| FDI Stock                    | 4/88 23/111 |        | 54%     | 84%    |
| FDI Flows                    | 4/77 36/99  |        | 43%     | 77%    |
| Portfolio Equity Stock       | 7/71        |        | 60%     | _      |
| Information                  | 24/85       |        | _       |        |
| International Phone Calls    | 11/83       | 35/70  | 80%     | 91%    |
| Printed Publications Trade   | 2/137       | 77/137 | 66%     | 94%    |
| People                       | 9/123       |        | -       | -      |
| Migrants                     | 33/139      | 14/136 | 82%     | 74%    |
| Tourists Departures/Arrivals | _           | 1/94   | _       | 62%    |
| International Students       | _           | 16/93  | _       | 76%    |

#### DIRECTIONALITY



| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 2/140   | \$80,675 |
| Linguistic Commonality (+) | 37/140  | 15%      |
| Remoteness (-)             | 135/138 | 2.0      |
| Population (-)             | 83/140  | 8.3      |
| Landlocked (-)             | _       | Yes      |
| Population (-)             |         | 8.3      |

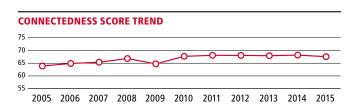
|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 4/129  | 5.7   |
| Infrastructure (+)        | 11/128 | 5.7   |
| Press Freedom (+)         | 20/137 | 92    |
| Labor Freedom (+)         | 35/140 | 75    |
| Financial Freedom (+)     | 3/136  | 80    |

| Globalization Policies          |         |       |
|---------------------------------|---------|-------|
|                                 | Rank    | Level |
| Enabling Trade Index (+)        | 4/128   | 5.2   |
| Tariffs (Wtd. Mean Applied) (-) | 120/120 | 0.0   |
| Capital Account Openness (+)    | 1/134   | 1.0   |
| Visa-Free Travel Outward (+)    | 19/140  | 169   |
| Visa-Free Travel Inward (+)     | 66/127  | 23    |

# **TAIWAN (CHINA)**

#### **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |  |  |
|--------------------|--------|--------|--------|--------|--------|--------|--|--|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |  |  |
| Overall            | 21/140 | 19/140 | -2     | 68/100 | 68/100 | 0      |  |  |
| Depth              | 26/140 | 24/140 | -2     | 34/50  | 34/50  | 0      |  |  |
| Breadth            | 29/140 | 28/140 | -1     | 34/50  | 34/50  | 0      |  |  |
| Trade Pillar       | 9/140  | 7/140  | -2     | 78/100 | 79/100 | -1     |  |  |
| Capital Pillar     | •      | •      | •      | •      | •      | •      |  |  |
| Information Pillar | 28/85  | 25/85  | -3     | 67/100 | 68/100 | -1     |  |  |
| People Pillar      | · ·    |        | •      | •      | •      | •      |  |  |

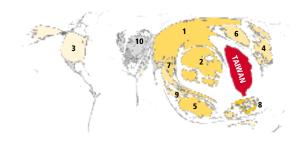


#### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 23/     | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 17/139  | 40/140  | 55%     | 45%    |
| Services Trade (% of GDP)                                      | 55/140  | 67/140  | 11%     | 9%     |
| Capital                                                        |         |         | _       | -      |
| FDI Stock (% of GDP)                                           | 13/133  | 124/140 | 64%     | 14%    |
| FDI Flows (% of GFCF)                                          | 26/131  | 128/138 | 12%     | 3%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | ·       | •       | •      |
| Information                                                    | 43/140  |         | _       |        |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 50/     | 50/140  |         | 204    |
| International Phone Calls<br>(Minutes per Capita)              | 43/140  | 52/140  | 193     | 200    |
| Printed Publications Trade<br>(USD per Capita)                 | 41/137  | 58/137  | \$8     | \$8    |
| People                                                         |         |         | -       | -      |
| Migrants (% of Population)                                     |         | •       | •       | •      |
| Tourists (Dep./Arr. per Capita)                                | 29/80   | •       | 0.5     | •      |
| International Students (% of Tertiary<br>Education Enrollment) | ·       | 89/116  |         | 1%     |

#### **ROOTED MAP**

#### TAIWAN (CHINA)'S MERCHANDISE EXPORTS, 2015



#### **Top Export Destinations**

| 1. China (25%)     | 6. South Korea (4%) |
|--------------------|---------------------|
| 2. Hong Kong (14%) | 7. Vietnam (3%)     |
| 3. U.S.A. (12%)    | 8. Philippines (3%) |
| 4. Japan (7%)      | 9. Malaysia (3%)    |
| 5. Singapore (6%)  | 10. Germany (2%)    |

#### **Major Export Products**

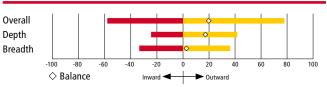
Semiconductors, petrochemicals, automobile and auto parts, ships, wireless communication equipment, flat panel displays, steel, electronics, plastics, computers

| Taiwan' | s Share | of Partn | ers' Imp | orts |      |      |         |
|---------|---------|----------|----------|------|------|------|---------|
| 6       | i%      | 4%       | 2%       | 1%   | 0.5% | 0.2% | unknown |
|         |         |          |          |      |      |      |         |

#### **BREADTH**

|                              | Ra      | nk     | % Same  | % Same Region |  |  |
|------------------------------|---------|--------|---------|---------------|--|--|
|                              | Outward | Inward | Outward | Inward        |  |  |
| Trade                        | 19/     | 140    | -       | -             |  |  |
| Merchandise Trade            | 33/139  | 24/138 | 71%     | 60%           |  |  |
| Capital                      |         |        | -       | -             |  |  |
| FDI Stock                    | ·       | ·      | •       | 41%           |  |  |
| FDI Flows                    | 34/77   | 30/99  | 84%     | 51%           |  |  |
| Portfolio Equity Stock       | ·       |        |         | _             |  |  |
| Information                  | 28      | '85    | _       | -             |  |  |
| International Phone Calls    | 31/83   | 38/70  | 88%     | 83%           |  |  |
| Printed Publications Trade   | 31/137  | 13/137 | 74%     | 44%           |  |  |
| People                       | 108     | /123   | -       | -             |  |  |
| Migrants                     |         | 96/136 |         | 97%           |  |  |
| Tourists Departures/Arrivals | _       | 81/94  | _       | 92%           |  |  |
| International Students       | -       | •      | _       | •             |  |  |

#### DIRECTIONALITY



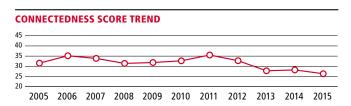
#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |          |
|----------------------------|--------|----------|
|                            | Rank   | Level    |
| GDP per Capita (+)         | 35/140 | \$22,288 |
| Linguistic Commonality (+) | 35/140 | 16%      |
| Remoteness (-)             | 81/138 | 4.7      |
| Population (-)             | 48/140 | 23.4     |
| Landlocked (-)             | _      | No       |
|                            |        |          |

| General Policies/Environment |        |     |  |  |  |  |
|------------------------------|--------|-----|--|--|--|--|
| Rank Level                   |        |     |  |  |  |  |
| Operating Environment (+)    | 15/129 | 5.2 |  |  |  |  |
| Infrastructure (+)           | 14/128 | 5.5 |  |  |  |  |
| Press Freedom (+)            | 43/137 | 78  |  |  |  |  |
| Labor Freedom (+)            | 93/140 | 55  |  |  |  |  |
| Financial Freedom (+)        | 38/136 | 60  |  |  |  |  |

| Rank   | Level            |
|--------|------------------|
| 19/128 | 4.9              |
| •      |                  |
| •      | •                |
| 50/140 | 129              |
| 34/127 | 42               |
|        | 19/128<br>50/140 |

|                    |         | Rank    |        | Score  |        |        |
|--------------------|---------|---------|--------|--------|--------|--------|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |
| Overall            | 126/140 | 124/140 | -2     | 26/100 | 28/100 | -2     |
| Depth              | 129/140 | 127/140 | -2     | 8/50   | 9/50   | -1     |
| Breadth            | 88/140  | 79/140  | -9     | 18/50  | 19/50  | -1     |
| Trade Pillar       | 121/140 | 114/140 | -7     | 32/100 | 35/100 | -3     |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |
| Information Pillar | •       | •       | •      | •      | •      | •      |
| People Pillar      | •       | •       | •      | •      | •      | •      |



#### DEPTH

|                                                                | Ra              | nk      | Level   |        |
|----------------------------------------------------------------|-----------------|---------|---------|--------|
|                                                                | Outward         | Inward  | Outward | Inward |
| Trade                                                          | 118             | /140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | <b>119</b> /139 | 110/140 | 11%     | 23%    |
| Services Trade (% of GDP)                                      | 73/140          | 105/140 | 8%      | 6%     |
| Capital                                                        |                 |         | -       | -      |
| FDI Stock (% of GDP)                                           | •               | 68/140  | •       | 41%    |
| FDI Flows (% of GFCF)                                          | •               | 65/138  | •       | 13%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •               | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          |                 | ·       | ·       | •      |
| Information                                                    | 137             | /140    |         | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 125             | /140    | 4,1     | 07     |
| International Phone Calls<br>(Minutes per Capita)              | 130/140         | 137/140 | 6       | 11     |
| Printed Publications Trade<br>(USD per Capita)                 | 120/137         | 130/137 | \$0     | \$0    |
| People                                                         |                 |         | -       | -      |
| Migrants (% of Population)                                     | 138/139         | 122/139 | 1%      | 0%     |
| Tourists (Dep./Arr. per Capita)                                | •               | 115/126 | •       | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 76/126          | •       | 3%      | •      |

#### **ROOTED MAP**

#### TANZANIA'S MERCHANDISE EXPORTS, 2015 **Top Export Destinations** Major Export Products 1. India (21%) 6. U.A.E. (4%) Gold, coffee, cashew nuts, 7. Germany (3%) 8. Switzerland (3%) 2. China (8%) manufactures, cotton 3. Japan (5%) 4. Kenya (5%) 9. Malaysia (3%) 5. Belgium (4%) 10. U.S.A. (2%) Tanzania's Share of Partners' Imports 4% 0.5% 0.2% 0.1% 0.05% 1% unknown

#### BREADTH

|                              | Ra      | nk      | % Same  | % Same Region |  |  |
|------------------------------|---------|---------|---------|---------------|--|--|
|                              | Outward | Inward  | Outward | Inward        |  |  |
| Trade                        | 84/     | 140     | -       | -             |  |  |
| Merchandise Trade            | 66/139  | 98/138  | 21%     | 11%           |  |  |
| Capital                      |         |         | -       | -             |  |  |
| FDI Stock                    | •       | 84/111  | •       | 37%           |  |  |
| FDI Flows                    | •       | 89/99   | •       | 33%           |  |  |
| Portfolio Equity Stock       | ·       | _       |         | _             |  |  |
| Information                  |         |         | -       | -             |  |  |
| International Phone Calls    | •       | •       | •       |               |  |  |
| Printed Publications Trade   | 90/137  | 97/137  | 64%     | 18%           |  |  |
| People                       |         |         | -       | -             |  |  |
| Migrants                     | 62/139  | 102/136 | 59%     | 95%           |  |  |
| Tourists Departures/Arrivals | _       | •       | _       | •             |  |  |
| International Students       | _       | •       |         | ·             |  |  |

#### DIRECTIONALITY

#### Not Available

#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank    | Level                              |
|---------|------------------------------------|
| 125/140 | \$942                              |
| 21/140  | 39%                                |
| 21/138  | 7.1                                |
| 25/140  | 53.5                               |
| _       | No                                 |
|         | <u>125/140</u><br>21/140<br>21/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 97/129  | 3.7   |
| Infrastructure (+)        | 122/128 | 2.5   |
| Press Freedom (+)         | 63/137  | 73    |
| Labor Freedom (+)         | 73/140  | 61    |
| Financial Freedom (+)     | 68/136  | 50    |

| Globalization Policies          |                |       |  |  |  |  |  |
|---------------------------------|----------------|-------|--|--|--|--|--|
|                                 | Rank           | Level |  |  |  |  |  |
| Enabling Trade Index (+)        | 105/128        | 3.5   |  |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 26/120         | 7.0   |  |  |  |  |  |
| Capital Account Openness (+)    | <b>91</b> /134 | 0.2   |  |  |  |  |  |
| Visa-Free Travel Outward (+)    | <b>91</b> /140 | 65    |  |  |  |  |  |
| Visa-Free Travel Inward (+)     | 18/127         | 66    |  |  |  |  |  |

# THAILAND

#### **KEY SCORES AND TRENDS**

|                    |        | Rank   |        | Score  |        |        |  |
|--------------------|--------|--------|--------|--------|--------|--------|--|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |  |
| Overall            | 22/140 | 21/140 | -1     | 67/100 | 68/100 | -1     |  |
| Depth              | 57/140 | 58/140 | 1      | 28/50  | 29/50  | -1     |  |
| Breadth            | 14/140 | 14/140 | 0      | 39/50  | 39/50  | 0      |  |
| Trade Pillar       | 5/140  | 5/140  | 0      | 84/100 | 84/100 | 0      |  |
| Capital Pillar     | 36/72  | 29/72  | -7     | 55/100 | 55/100 | 0      |  |
| Information Pillar | 23/85  | 24/85  | 1      | 68/100 | 69/100 | -1     |  |
| People Pillar      | 56/102 | 57/103 | 1      | 50/100 | 50/100 | 0      |  |

#### **CONNECTEDNESS SCORE TREND**

| 65 |      |      |      |      |      | _0   | _0_  | _0_  | -0-  | _0_  | <b></b> 0 |
|----|------|------|------|------|------|------|------|------|------|------|-----------|
| 55 | 0    | _0_  | _0_  | -0-  | _0_  |      |      |      |      |      |           |
| 50 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015      |

#### DEPTH

|                                                                | Rank           |                | Le      | vel    |
|----------------------------------------------------------------|----------------|----------------|---------|--------|
|                                                                | Outward        | Inward         | Outward | Inward |
| Trade                                                          | 19/            | 140            | -       | -      |
| Merchandise Trade (% of GDP)                                   | 18/139         | 32/140         | 54%     | 51%    |
| Services Trade (% of GDP)                                      | 37/140         | 37/140         | 15%     | 13%    |
| Capital                                                        | 57/            | /90            |         | _      |
| FDI Stock (% of GDP)                                           | 47/133         | <b>61</b> /140 | 17%     | 44%    |
| FDI Flows (% of GFCF)                                          | <b>41</b> /131 | 78/138         | 8%      | 10%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 59/82          | 44/81          | 4%      | 20%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 49/84          | 84/86          | 1%      | -2%    |
| Information                                                    | 96/            | 140            | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 56/            | 140            | 64,     | 907    |
| International Phone Calls<br>(Minutes per Capita)              | 115/140        | 109/140        | 16      | 57     |
| Printed Publications Trade<br>(USD per Capita)                 | 78/137         | 93/137         | \$1     | \$3    |
| People                                                         | 90/            | 112            | -       | -      |
| Migrants (% of Population)                                     | 126/139        | 58/139         | 1%      | 6%     |
| Tourists (Dep./Arr. per Capita)                                | 57/80          | <b>61</b> /126 | 0.1     | 0.4    |
| International Students (% of Tertiary<br>Education Enrollment) | 107/126        | 93/116         | 1%      | 1%     |

#### **ROOTED MAP**

#### THAILAND'S MERCHANDISE EXPORTS, 2015



#### **Top Export Destinations** 1. U.S.A. (11%) 6. Australia (5%) 2. China (11%) 7. Vietnam (4%) 3. Japan (9%) 8. Singapore (4%) 4. Hong Kong (6%) 9. Indonesia (4%)

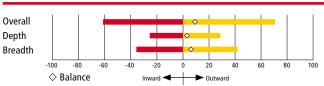
Automobiles and parts, computer and parts, jewelry and precious stones, polymers of ethylene in primary forms, refine fuels, electronic integrated circuits, chemical products, rice, fish products, rubber products, sugar, cassava, poultry, machin-5. Malaysia (5%) 10. Philippines (3%) ery and parts, iron and steel and their products

| Thaila | and's Sl | nare of P | 'artners' | Imports |      |      |         |
|--------|----------|-----------|-----------|---------|------|------|---------|
|        | 6%       | 3%        | 2%        | 1%      | 0.5% | 0.2% | unknown |
|        |          |           |           |         |      |      |         |

#### **BREADTH**

|                              | Ra      | Rank    |         | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 14/     | 140     | -       | -      |
| Merchandise Trade            | 13/139  | 31/138  | 61%     | 66%    |
| Capital                      | 25/     | /79     | _       | -      |
| FDI Stock                    | 49/88   | 31/111  | 80%     | 63%    |
| FDI Flows                    | 23/77   | 13/99   | 51%     | 57%    |
| Portfolio Equity Stock       | 25/71   | _       | 20%     | _      |
| Information                  | 7/8     | 85      | -       | -      |
| International Phone Calls    | 5/83    | 14/70   | 68%     | 73%    |
| Printed Publications Trade   | 15/137  | 8/137   | 68%     | 58%    |
| People                       | 29/     | 123     | _       | -      |
| Migrants                     | 3/139   | 113/136 | 33%     | 99%    |
| Tourists Departures/Arrivals | _       | 38/94   | _       | 64%    |
| International Students       | _       | 13/93   | _       | 73%    |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank   | Level            |
|--------|------------------|
|        |                  |
| 77/140 | \$5,742          |
| 08/140 | 0%               |
| 62/138 | 5.7              |
| 19/140 | 68.0             |
| -      | No               |
| 6      | 08/140<br>62/138 |

| General Policies/Environment |         |       |  |  |
|------------------------------|---------|-------|--|--|
|                              | Rank    | Level |  |  |
| Operating Environment (+)    | 70/129  | 4.1   |  |  |
| Infrastructure (+)           | 45/128  | 4.3   |  |  |
| Press Freedom (+)            | 106/137 | 58    |  |  |
| Labor Freedom (+)            | 63/140  | 64    |  |  |
| Financial Freedom (+)        | 38/136  | 60    |  |  |

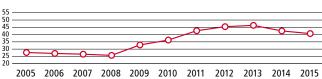
| Globalization Policies |                                                           |  |  |  |
|------------------------|-----------------------------------------------------------|--|--|--|
| Rank                   | Level                                                     |  |  |  |
| 56/128                 | 4.2                                                       |  |  |  |
| 51/120                 | 3.6                                                       |  |  |  |
| <b>91</b> /134         | 0.2                                                       |  |  |  |
| 86/140                 | 68                                                        |  |  |  |
| <b>21</b> /127         | 59                                                        |  |  |  |
|                        | 56/128           51/120           91/134           86/140 |  |  |  |

# **TOGO**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank    |        | Score  |                |        |
|--------------------|---------|---------|--------|--------|----------------|--------|
|                    | 2015    | 2013    | Change | 2015   | 2013           | Change |
| Overall            | 93/140  | 72/140  | -21    | 41/100 | 46/100         | -5     |
| Depth              | 70/140  | 35/140  | -35    | 27/50  | 32/50          | -5     |
| Breadth            | 112/140 | 101/140 | -11    | 14/50  | 14/50          | 0      |
| Trade Pillar       | 60/140  | 40/140  | -20    | 54/100 | <b>59</b> /100 | -5     |
| Capital Pillar     | •       | •       | •      | •      | •              | •      |
| Information Pillar | •       | •       | •      | •      | •              | •      |
| People Pillar      | •       | •       |        | •      | •              | •      |

#### **CONNECTEDNESS SCORE TREND**

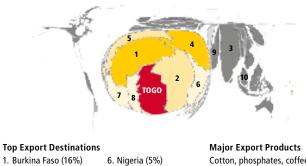


#### DEPTH

|                                                                | Rank    |                | Le      | vel    |
|----------------------------------------------------------------|---------|----------------|---------|--------|
|                                                                | Outward | Inward         | Outward | Inward |
| Trade                                                          | 40/     | 40/140         |         | -      |
| Merchandise Trade (% of GDP)                                   | 56/139  | 33/140         | 29%     | 51%    |
| Services Trade (% of GDP)                                      | 65/140  | 63/140         | 10%     | 9%     |
| Capital                                                        |         |                | -       | -      |
| FDI Stock (% of GDP)                                           | 24/133  | <b>91</b> /140 | 42%     | 33%    |
| FDI Flows (% of GFCF)                                          | 13/131  | 83/138         | 17%     | 9%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •              | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | •              | •       | •      |
| Information                                                    | 112     | /140           | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 112     | /140           | 7,310   |        |
| International Phone Calls<br>(Minutes per Capita)              | 111/140 | 108/140        | 21      | 58     |
| Printed Publications Trade<br>(USD per Capita)                 | 130/137 | 124/137        | \$0     | \$1    |
| People                                                         |         |                | -       | -      |
| Migrants (% of Population)                                     | 65/139  | 73/139         | 6%      | 4%     |
| Tourists (Dep./Arr. per Capita)                                | •       | 104/126        | •       | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 53/126  | •              | 5%      | •      |

#### **ROOTED MAP**

#### **TOGO'S MERCHANDISE EXPORTS, 2015**



2. Benin (15%) 7. Cote d'Ivoire (4%) 3. India (10%) 8. Ghana (4%) 4. Niger (10%) 9. U.A.E. (2%) 5. Mali (5%) 10. Malaysia (2%)

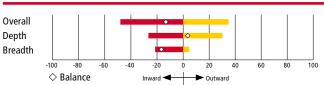
Cotton, phosphates, coffee, сосоа

| Togo's Sl | Togo's Share of Partners' Imports |      |         |       |       |         |
|-----------|-----------------------------------|------|---------|-------|-------|---------|
| 2.5       | % 1.5                             | 0.7% | % 0.08% | 0.04% | 0.02% | unknown |
|           |                                   |      |         |       |       |         |

#### **BREADTH**

|                              | Ra      | Rank    |         | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 85/     | 140     | -       | -      |
| Merchandise Trade            | 128/139 | 35/138  | 55%     | 4%     |
| Capital                      |         |         | -       | -      |
| FDI Stock                    | 83/88   | 106/111 | 99%     | 64%    |
| FDI Flows                    | 66/77   | •       | 76%     |        |
| Portfolio Equity Stock       | ·       | _       |         | _      |
| Information                  |         |         | -       | -      |
| International Phone Calls    | •       | •       | •       | •      |
| Printed Publications Trade   | 108/137 | 128/137 | ·       | 2%     |
| People                       |         |         | -       | -      |
| Migrants                     | 126/139 | 121/136 | 87%     | 99%    |
| Tourists Departures/Arrivals | _       | •       | _       |        |
| International Students       |         | •       | _       | •      |

#### DIRECTIONALITY



#### STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |       |  |  |
|----------------------------|---------|-------|--|--|
|                            | Rank    | Level |  |  |
| GDP per Capita (+)         | 134/140 | \$569 |  |  |
| Linguistic Commonality (+) | 45/140  | 8%    |  |  |
| Remoteness (-)             | 45/138  | 6.2   |  |  |
| Population (-)             | 87/140  | 7.3   |  |  |
| Landlocked (-)             | -       | No    |  |  |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | •       | •     |
| Infrastructure (+)        | •       | •     |
| Press Freedom (+)         | 65/137  | 73    |
| Labor Freedom (+)         | 122/140 | 43    |
| Financial Freedom (+)     | 118/136 | 30    |

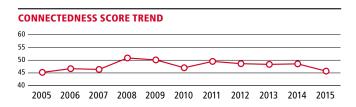
| Globalization Policies          |                |       |
|---------------------------------|----------------|-------|
|                                 | Rank           | Level |
| Enabling Trade Index (+)        | •              | •     |
| Tariffs (Wtd. Mean Applied) (-) | 15/120         | 9.4   |
| Capital Account Openness (+)    | <b>91</b> /134 | 0.2   |
| Visa-Free Travel Outward (+)    | 112/140        | 51    |
| Visa-Free Travel Inward (+)     | •              | •     |

(+) Positive Impact

# **TRINIDAD AND TOBAGO**

#### **KEY SCORES AND TRENDS**

|                    |         | Rank           |        |        | Score  |        |
|--------------------|---------|----------------|--------|--------|--------|--------|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |
| Overall            | 75/140  | 62/140         | -13    | 46/100 | 48/100 | -2     |
| Depth              | 46/140  | <b>21</b> /140 | -25    | 31/50  | 34/50  | -3     |
| Breadth            | 105/140 | 99/140         | -6     | 15/50  | 14/50  | 1      |
| Trade Pillar       | 119/140 | 95/140         | -24    | 33/100 | 40/100 | -7     |
| Capital Pillar     | •       | •              | •      | •      | •      | •      |
| Information Pillar | •       | •              | •      | •      | •      | •      |
| People Pillar      | 49/102  | 49/103         | 0      | 54/100 | 54/100 | 0      |

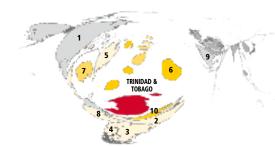


#### DEPTH

|                                                                | Rank    |               | Level   |        |
|----------------------------------------------------------------|---------|---------------|---------|--------|
|                                                                | Outward | Inward        | Outward | Inward |
| Trade                                                          | 92/     | 140           | -       | _      |
| Merchandise Trade (% of GDP)                                   | 55/139  | 91/140        | 30%     | 26%    |
| Services Trade (% of GDP)                                      | 108/140 | 139/140       | 4%      | 2%     |
| Capital                                                        |         |               | -       | -      |
| FDI Stock (% of GDP)                                           | 28/133  | 14/140        | 37%     | 113%   |
| FDI Flows (% of GFCF)                                          | 7/131   | 8/138         | 41%     | 58%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •             | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          |         | · _           | •       | •      |
|                                                                |         |               |         |        |
| Information                                                    | 23/     | 140           | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 29/     | 29/140 122,70 |         | ,703   |
| International Phone Calls<br>(Minutes per Capita)              | 34/140  | 17/140        | 247     | 422    |
| Printed Publications Trade<br>(USD per Capita)                 | 49/137  | 34/137        | \$4     | \$18   |
| People                                                         | 42/     | 112           |         | _      |
| •                                                              |         |               | 270/    |        |
| Migrants (% of Population)                                     | 8/139   | 75/139        | 27%     | 4%     |
| Tourists (Dep./Arr. per Capita)                                | 43/80   | 63/126        | 0.2     | 0.3    |
| International Students (% of Tertiary<br>Education Enrollment) |         | 33/116        |         | 7%     |

#### **ROOTED MAP**





#### **Top Export Destinations**

| 1. U.S.A. (28%)        | 6. Barbados (5%) | P  |
|------------------------|------------------|----|
| 2. Brazil (7%)         | 7. Jamaica (4%)  | u  |
| 3. Argentina (6%)      | 8. Peru (4%)     | u  |
| 4. Chile (6%)          | 9. Spain (3%)    | aı |
| 5. Dominican Rep. (5%) | 10. Guyana (3%)  | fe |

Major Export Products Petroleum and petroleum products, liquefied natural gas, methanol, ammonia, urea, steel products, beverages, cereal and cereal products, sugar, cocoa, coffee, citrus fruit, vegetables, flowers

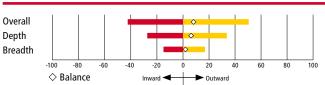
Trinidad & Tobago's Share of Partners' Imports

| 20% | 10% | 5% | 0.5% | 0.05% | 0.01% | unknown |
|-----|-----|----|------|-------|-------|---------|
|     |     |    |      |       |       |         |

#### BREADTH

|                              | Rank     |        | % Same Region |        |
|------------------------------|----------|--------|---------------|--------|
|                              | Outward  | Inward | Outward       | Inward |
| Trade                        | 105/     | /140   | -             | -      |
| Merchandise Trade            | 111/139  | 86/138 | 55%           | 14%    |
| Capital                      |          |        | _             | -      |
| FDI Stock                    | •        | 83/111 | •             | 0%     |
| FDI Flows                    | 42/77    | 82/99  | 0%            | 0%     |
| Portfolio Equity Stock       | <u> </u> |        |               |        |
| Information                  |          |        |               | -      |
| International Phone Calls    |          | •      | •             | •      |
| Printed Publications Trade   | 113/137  | 78/137 | 94%           | 4%     |
| People                       | 69/123   |        | -             | -      |
| Migrants                     | 75/139   | 90/136 | 5%            | 70%    |
| Tourists Departures/Arrivals | _        | 56/94  | _             | 27%    |
| International Students       |          | •      | _             | •      |

#### DIRECTIONALITY



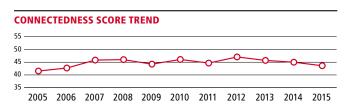
| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 39/140  | \$18,086 |
| Linguistic Commonality (+) | 18/140  | 39%      |
| Remoteness (-)             | 39/138  | 6.3      |
| Population (-)             | 126/140 | 1.4      |
| Landlocked (-)             | _       | No       |
|                            |         |          |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | •      | •     |
| Infrastructure (+)        | •      | •     |
| Press Freedom (+)         | 35/137 | 81    |
| Labor Freedom (+)         | 27/140 | 77    |
| Financial Freedom (+)     | 68/136 | 50    |

| Rank   | Level                     |
|--------|---------------------------|
| •      | •                         |
| •      |                           |
| 1/134  | 1.0                       |
| 53/140 | 126                       |
| 27/127 | 50                        |
|        | ·<br>·<br>1/134<br>53/140 |

## **KEY SCORES AND TRENDS**

|                    | Rank   |        |        | Score  |        |        |
|--------------------|--------|--------|--------|--------|--------|--------|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |
| Overall            | 80/140 | 76/140 | -4     | 44/100 | 46/100 | -2     |
| Depth              | 78/140 | 77/140 | -1     | 25/50  | 25/50  | 0      |
| Breadth            | 82/140 | 72/140 | -10    | 19/50  | 20/50  | -1     |
| Trade Pillar       | 71/140 | 49/140 | -22    | 50/100 | 57/100 | -7     |
| Capital Pillar     | •      | •      | •      | •      | •      | •      |
| Information Pillar | •      | •      | •      | •      | •      | •      |
| People Pillar      | 69/102 | 70/103 | 1      | 41/100 | 40/100 | 1      |

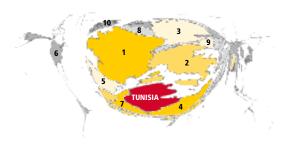


#### DEPTH

|                                                                | Ra      | nk      | Level   |        |  |
|----------------------------------------------------------------|---------|---------|---------|--------|--|
|                                                                | Outward | Inward  | Outward | Inward |  |
| Trade                                                          | 50/     | 140     | -       | -      |  |
| Merchandise Trade (% of GDP)                                   | 45/139  | 38/140  | 32%     | 46%    |  |
| Services Trade (% of GDP)                                      | 82/140  | 98/140  | 7%      | 6%     |  |
| Capital                                                        | 68/     | '90     | -       | _      |  |
| FDI Stock (% of GDP)                                           | 115/133 | 32/140  | 1%      | 76%    |  |
| FDI Flows (% of GFCF)                                          | 100/131 | 73/138  | 0%      | 11%    |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | 69/82   | 38/81   | 1%      | 24%    |  |
| Portfolio Equity Flows (% of Mkt Cap)                          |         | 36/86   | ·       | 1%     |  |
| Information                                                    | 87/     | 140     | -       | _      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 81/     | 140     | 33,     | 812    |  |
| International Phone Calls<br>(Minutes per Capita)              | 89/140  | 79/140  | 42      | 133    |  |
| Printed Publications Trade<br>(USD per Capita)                 | 86/137  | 103/137 | \$1     | \$2    |  |
| People                                                         | 64/     | 64/112  |         | -      |  |
| Migrants (% of Population)                                     | 70/139  | 121/139 | 6%      | 1%     |  |
| Tourists (Dep./Arr. per Capita)                                | 41/80   | 45/126  | 0.2     | 0.5    |  |
| International Students (% of Tertiary<br>Education Enrollment) | 56/126  | 69/116  | 5%      | 2%     |  |

#### **ROOTED MAP**

#### **TUNISIA'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| 1. France (29%)  | 6. U.S.A. (4%)  |
|------------------|-----------------|
| 2. Italy (17%)   | 7. Algeria (3%) |
| 3. Germany (11%) | 8. Belgium (2%) |
| 4. Libya (6%)    | 9. Austria (2%) |
| 5. Spain (4%)    | 10. U.K. (1%)   |
|                  |                 |

#### **Major Export Products**

Clothing, semi-finished goods and textiles, agricultural products, mechanical goods, phosphates and chemicals, hydrocarbons, electrical equipment

| Funisia's Sh | are of Pa | rtners' Ir | nports |       |       |         |
|--------------|-----------|------------|--------|-------|-------|---------|
| 0.6%         | 0.4%      | 0.2%       | 0.1%   | 0.05% | 0.01% | unknown |
|              |           |            |        |       |       |         |

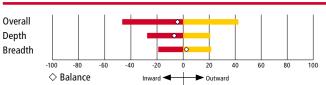
#### **BREADTH**

-

E

|                              | Rank           |        | % Same   | Region |
|------------------------------|----------------|--------|----------|--------|
|                              | Outward        | Inward | Outward  | Inward |
| Trade                        | 90/            | 140    | -        | -      |
| Merchandise Trade            | 84/139         | 88/138 | 13%      | 14%    |
| Capital                      |                |        | -        | -      |
| FDI Stock                    | •              | ·      | •        | •      |
| FDI Flows                    | •              | 58/99  | •        | 20%    |
| Portfolio Equity Stock       |                |        | <u> </u> |        |
| Information                  |                |        | -        | -      |
| International Phone Calls    | •              | •      | •        | •      |
| Printed Publications Trade   | <b>59</b> /137 | 92/137 | 34%      | 19%    |
| People                       | 84/123         |        | _        | -      |
| Migrants                     | <b>92</b> /139 | 77/136 | 6%       | 63%    |
| Tourists Departures/Arrivals | _              | 53/94  | _        | 53%    |
| International Students       | -              | 73/93  | _        | 18%    |

# DIRECTIONALITY



| Structural Factors |                             |  |  |  |  |
|--------------------|-----------------------------|--|--|--|--|
| Rank               | Level                       |  |  |  |  |
| 94/140             | \$3,923                     |  |  |  |  |
| 41/140             | 11%                         |  |  |  |  |
| 105/138            | 3.5                         |  |  |  |  |
| 68/140             | 11.3                        |  |  |  |  |
| _                  | No                          |  |  |  |  |
|                    | 94/140<br>41/140<br>105/138 |  |  |  |  |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 76/129  | 4.0   |
| Infrastructure (+)        | 72/128  | 3.7   |
| Press Freedom (+)         | 98/137  | 60    |
| Labor Freedom (+)         | 47/140  | 69    |
| Financial Freedom (+)     | 118/136 | 30    |

| Globalization Policies          |                |       |  |  |  |
|---------------------------------|----------------|-------|--|--|--|
|                                 | Rank           | Level |  |  |  |
| Enabling Trade Index (+)        | 75/128         | 3.9   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | •              |       |  |  |  |
| Capital Account Openness (+)    | <b>91</b> /134 | 0.2   |  |  |  |
| Visa-Free Travel Outward (+)    | 94/140         | 63    |  |  |  |
| Visa-Free Travel Inward (+)     | 66/127         | 23    |  |  |  |

# **TURKEY**

# **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 54/140  | 48/140  | -6     | 53/100 | 53/100 | 0      |  |
| Depth              | 109/140 | 110/140 | 1      | 16/50  | 16/50  | 0      |  |
| Breadth            | 22/140  | 20/140  | -2     | 38/50  | 38/50  | 0      |  |
| Trade Pillar       | 49/140  | 50/140  | 1      | 57/100 | 57/100 | 0      |  |
| Capital Pillar     | 52/72   | 41/72   | -11    | 46/100 | 49/100 | -3     |  |
| Information Pillar | •       | •       | •      | •      | •      | •      |  |
| People Pillar      | 54/102  | 56/103  | 2      | 51/100 | 50/100 | 1      |  |

#### **CONNECTEDNESS SCORE TREND**

| 50<br>45 | <br> | -0- | _0_ | _0_  | _0_ | _0_  | -0   |      | 0    |
|----------|------|-----|-----|------|-----|------|------|------|------|
| 35       |      |     |     | 2009 |     | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Ra             | nk      | Le      | vel    |
|----------------------------------------------------------------|----------------|---------|---------|--------|
|                                                                | Outward        | Inward  | Outward | Inward |
| Trade                                                          | 102            | /140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 90/139         | 85/140  | 20%     | 28%    |
| Services Trade (% of GDP)                                      | 85/140         | 135/140 | 6%      | 3%     |
| Capital                                                        | 77             | '90     | -       | -      |
| FDI Stock (% of GDP)                                           | 74/133         | 112/140 | 6%      | 20%    |
| FDI Flows (% of GFCF)                                          | 57/131         | 89/138  | 3%      | 9%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 75/82          | 46/81   | 0%      | 19%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 69/84          | 60/86   | 0%      | 0%     |
| Information                                                    | 89/            | 140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 62/            | 140     | 59,     | 034    |
| International Phone Calls<br>(Minutes per Capita)              | 108/140        | 88/140  | 22      | 103    |
| Printed Publications Trade<br>(USD per Capita)                 | 75/137         | 102/137 | \$1     | \$2    |
| People                                                         | 81/            | 112     | -       | _      |
| Migrants (% of Population)                                     | <b>92</b> /139 | 74/139  | 4%      | 4%     |
| Tourists (Dep./Arr. per Capita)                                | 56/80          | 48/126  | 0.1     | 0.5    |
| International Students (% of Tertiary<br>Education Enrollment) | 111/126        | 82/116  | 1%      | 1%     |

#### **ROOTED MAP**

#### **TURKEY'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations** 1. Ger

| 1. Germany (9%) | 6. France (4%)      |
|-----------------|---------------------|
| 2. U.K. (7%)    | 7. Switzerland (4%) |
| 3. Iraq (6%)    | 8. Spain (3%)       |
| 4. Italy (5%)   | 9. U.A.E. (3%)      |
| 5. U.S.A. (4%)  | 10. Iran (3%)       |

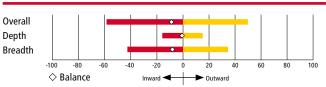
**Major Export Products** Apparel, foodstuffs, textiles, metal manufactures, transport equipment

| urke | y's Sha | re of Pa | rtners' In | nports |    |      |         |
|------|---------|----------|------------|--------|----|------|---------|
|      | 6%      | 4%       | 3%         | 2%     | 1% | 0.3% | unknown |
|      |         |          |            |        |    |      |         |

## **BREADTH**

|                              | Ra      | nk     | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 16/     | 140    | -       | -      |
| Merchandise Trade            | 40/139  | 5/138  | 6%      | 5%     |
| Capital                      | 28      | /79    | -       | -      |
| FDI Stock                    | 25/88   | 19/111 | 23%     | 2%     |
| FDI Flows                    | 33/77   | 8/99   | 14%     | 5%     |
| Portfolio Equity Stock       | 39/71   |        | 0%      |        |
| Information                  |         |        |         | -      |
| International Phone Calls    | •       | •      |         | •      |
| Printed Publications Trade   | 20/137  | 11/137 | 23%     | 2%     |
| People                       | 34/     | 123    | _       | -      |
| Migrants                     | 72/139  | 76/136 | 2%      | 2%     |
| Tourists Departures/Arrivals | -       | 14/94  | _       | 3%     |
| International Students       | _       | •      | _       | 45%    |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 59/140  | \$9,437 |
| Linguistic Commonality (+) | 104/140 | 0%      |
| Remoteness (-)             | 100/138 | 3.8     |
| Population (-)             | 18/140  | 78.7    |
| Landlocked (-)             | -       | No      |
|                            |         |         |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 56/129  | 4.3   |
| Infrastructure (+)        | 45/128  | 4.3   |
| Press Freedom (+)         | 119/137 | 53    |
| Labor Freedom (+)         | 110/140 | 50    |
| Financial Freedom (+)     | 38/136  | 60    |

| Globalization Policies |                                      |  |  |  |  |
|------------------------|--------------------------------------|--|--|--|--|
| Rank                   | Level                                |  |  |  |  |
| 45/128                 | 4.3                                  |  |  |  |  |
| <b>61</b> /120         | 2.8                                  |  |  |  |  |
| 73/134                 | 0.4                                  |  |  |  |  |
| 66/140                 | 102                                  |  |  |  |  |
| 52/127                 | 28                                   |  |  |  |  |
|                        | 45/128<br>61/120<br>73/134<br>66/140 |  |  |  |  |

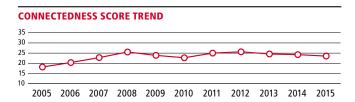
- Not Applicable

· Data Not Available

(+) Positive Impact

## **KEY SCORES AND TRENDS**

|                    |         | Rank            |        |        | Score  |        |  |
|--------------------|---------|-----------------|--------|--------|--------|--------|--|
|                    | 2015    | 2013            | Change | 2015   | 2013   | Change |  |
| Overall            | 129/140 | 128/140         | -1     | 24/100 | 25/100 | -1     |  |
| Depth              | 118/140 | 123/140         | 5      | 11/50  | 10/50  | 1      |  |
| Breadth            | 113/140 | 97/140          | -16    | 13/50  | 14/50  | -1     |  |
| Trade Pillar       | 122/140 | <b>119</b> /140 | -3     | 31/100 | 32/100 | -1     |  |
| Capital Pillar     | •       | •               | •      | •      | •      | •      |  |
| Information Pillar | •       | •               | •      | •      | •      | •      |  |
| People Pillar      | 99/102  | 100/103         | 1      | 20/100 | 20/100 | 0      |  |

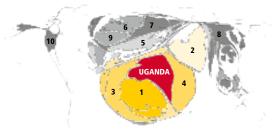


#### DEPTH

|                                                                | Rank    |         | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 113/140 |         | _       |        |
| Merchandise Trade (% of GDP)                                   | 126/139 | 107/140 | 9%      | 23%    |
| Services Trade (% of GDP)                                      | 74/140  | 49/140  | 8%      | 11%    |
| Capital                                                        |         |         | -       | _      |
| FDI Stock (% of GDP)                                           | 121/133 | 63/140  | 0%      | 44%    |
| FDI Flows (% of GFCF)                                          | 118/131 | 52/138  | 0%      | 16%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | •       | •       |        |
| Information                                                    | 130     | /140    |         | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 124     | /140    | 4,6     | 533    |
| International Phone Calls<br>(Minutes per Capita)              | 127/140 | 131/140 | 9       | 21     |
| Printed Publications Trade<br>(USD per Capita)                 | 111/137 | 125/137 | \$0     | \$1    |
| People                                                         | 87/     | 112     | -       | -      |
| Migrants (% of Population)                                     | 118/139 | 94/139  | 2%      | 2%     |
| Tourists (Dep./Arr. per Capita)                                | 79/80   | 107/126 | 0.0     | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 71/126  | 17/116  | 4%      | 11%    |

#### **ROOTED MAP**

#### **UGANDA'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations** 1. Rv

| 1. Rwanda (11%)     | 6. Netherlands (5%) |
|---------------------|---------------------|
| 2. U.A.E. (10%)     | 7. Germany (5%)     |
| 3. Congo, DRC (10%) | 8. China (4%)       |
| 4. Kenya (10%)      | 9. Belgium (3%)     |
| 5. Italy (6%)       | 10. U.S.A. (3%)     |
|                     |                     |

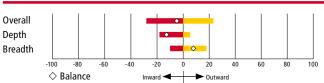
**Major Export Products** Coffee, fish and fish products, tea, cotton, flowers, horticultural products, gold

| Ugan | da's Sh | are of Pa | artners' l | mports |       |       |         |
|------|---------|-----------|------------|--------|-------|-------|---------|
|      | 8%      | 0.5%      | 0.1%       | 0.05%  | 0.02% | 0.01% | unknown |
|      |         |           |            |        |       |       |         |

#### **BREADTH**

|                              | Rank    |         | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 93/     | 140     | -       | -      |
| Merchandise Trade            | 77/139  | 105/138 | 41%     | 24%    |
| Capital                      |         |         | -       | -      |
| FDI Stock                    | •       | 87/111  | •       | 13%    |
| FDI Flows                    | •       | 76/99   | •       | 28%    |
| Portfolio Equity Stock       | ·       | _       |         | _      |
| Information                  |         |         | -       | -      |
| International Phone Calls    |         | •       | •       |        |
| Printed Publications Trade   | 133/137 | 119/137 | 68%     | 56%    |
| People                       | 119     | /123    | _       | -      |
| Migrants                     | 120/139 | 122/136 | 81%     | 99%    |
| Tourists Departures/Arrivals | _       | 86/94   | _       | 79%    |
| International Students       | -       | •       | _       | •      |

# DIRECTIONALITY



| Rank    | Level                       |
|---------|-----------------------------|
| 132/140 | \$620                       |
| 19/140  | 39%                         |
| 28/138  | 6.7                         |
| 32/140  | 39.0                        |
|         | Yes                         |
|         | 132/140<br>19/140<br>28/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 90/129  | 3.8   |
| Infrastructure (+)        | 117/128 | 2.7   |
| Press Freedom (+)         | 77/137  | 69    |
| Labor Freedom (+)         | 9/140   | 88    |
| Financial Freedom (+)     | 101/136 | 40    |

| Globalization Policies          |        |       |  |  |  |  |  |
|---------------------------------|--------|-------|--|--|--|--|--|
|                                 | Rank   | Level |  |  |  |  |  |
| Enabling Trade Index (+)        | 96/128 | 3.6   |  |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 32/120 | 5.9   |  |  |  |  |  |
| Capital Account Openness (+)    | 1/134  | 1.0   |  |  |  |  |  |
| Visa-Free Travel Outward (+)    | 96/140 | 61    |  |  |  |  |  |
| Visa-Free Travel Inward (+)     | 8/127  | 71    |  |  |  |  |  |

# UKRAINE

# **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |  |  |
|--------------------|--------|--------|--------|--------|--------|--------|--|--|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |  |  |
| Overall            | 63/140 | 66/140 | 3      | 49/100 | 48/100 | 1      |  |  |
| Depth              | 48/140 | 49/140 | 1      | 31/50  | 30/50  | 1      |  |  |
| Breadth            | 84/140 | 83/140 | -1     | 19/50  | 18/50  | 1      |  |  |
| Trade Pillar       | 23/140 | 36/140 | 13     | 65/100 | 61/100 | 4      |  |  |
| Capital Pillar     | 61/72  | 58/72  | -3     | 37/100 | 36/100 | 1      |  |  |
| Information Pillar | 76/85  | 74/85  | -2     | 40/100 | 40/100 | 0      |  |  |
| People Pillar      | 57/102 | 54/103 | -3     | 49/100 | 51/100 | -2     |  |  |

#### **CONNECTEDNESS SCORE TREND**

| 55<br>50<br>45 |      |      |      | ~    |      | _0_  | _0-  |      | _0_  | _0-  | -0   |
|----------------|------|------|------|------|------|------|------|------|------|------|------|
| 35             |      | _0_  | _0_  |      |      |      |      |      |      |      |      |
| 30             | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

#### DEPTH

|                                                                | Ra             | nk      | Level   |        |
|----------------------------------------------------------------|----------------|---------|---------|--------|
|                                                                | Outward        | Inward  | Outward | Inward |
| Trade                                                          | 32/            | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 28/139         | 48/140  | 42%     | 40%    |
| Services Trade (% of GDP)                                      | 43/140         | 51/140  | 13%     | 11%    |
| Capital                                                        | 45/            | /90     | -       | _      |
| FDI Stock (% of GDP)                                           | <b>59</b> /133 | 38/140  | 11%     | 68%    |
| FDI Flows (% of GFCF)                                          | 89/131         | 54/138  | 1%      | 15%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 66/82          | 13/81   | 1%      | 58%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 74/84          | 14/86   | 0%      | 2%     |
| Information                                                    | 84/            | 140     | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 72/            | 140     | 45,743  |        |
| International Phone Calls<br>(Minutes per Capita)              | 93/140         | 84/140  | 36      | 115    |
| Printed Publications Trade<br>(USD per Capita)                 | 58/137         | 112/137 | \$3     | \$2    |
| People                                                         | 53/            | 112     | -       | -      |
| Migrants (% of Population)                                     | 33/139         | 42/139  | 13%     | 11%    |
| Tourists (Dep./Arr. per Capita)                                | 32/80          | 66/126  | 0.5     | 0.3    |
| International Students (% of Tertiary<br>Education Enrollment) | 94/126         | 63/116  | 2%      | 3%     |

## **ROOTED MAP**

#### **UKRAINE'S MERCHANDISE EXPORTS, 2015**



# **Top Export Destinations** 1. Ru 2. Tu

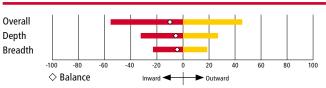
| 1. Russia (13%)<br>2. Turkey (7%)<br>3. China (6%)<br>4. Egypt (5%)<br>5. Italy (5%) | . Turkey (7%) 7. India (4%)<br>. China (6%) 8. Germany (3%)<br>. Egypt (5%) 9. Spain (3%) |  |  |      | Ferrous and nonferrous<br>metals, fuel and petroleum<br>products, chemicals, machinery<br>and transport equipment,<br>foodstuffs |         |  |  |  |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--|--|------|----------------------------------------------------------------------------------------------------------------------------------|---------|--|--|--|
| Ukraine's Share of Partners' Imports<br>5% 2% 1% 0.5% 0                              |                                                                                           |  |  | 0.2% | 0.1%                                                                                                                             | unknown |  |  |  |

**Major Export Products** 

#### **BREADTH**

|                              | Ra      | Rank   |         | % Same Region |  |  |
|------------------------------|---------|--------|---------|---------------|--|--|
|                              | Outward | Inward | Outward | Inward        |  |  |
| Trade                        | 58/     | 140    | -       | -             |  |  |
| Merchandise Trade            | 64/139  | 52/138 | 51%     | 71%           |  |  |
| Capital                      | 66      | 66/79  |         | -             |  |  |
| FDI Stock                    | 71/88   | 51/111 | 99%     | 91%           |  |  |
| FDI Flows                    | 54/77   | 70/99  | 97%     | 89%           |  |  |
| Portfolio Equity Stock       | 58/71   |        | 21%     |               |  |  |
| Information                  | 76      | /85    |         | -             |  |  |
| International Phone Calls    | 74/83   | 59/70  | 89%     | 95%           |  |  |
| Printed Publications Trade   | 109/137 | 33/137 | 93%     | 87%           |  |  |
| People                       | 75/     | 75/123 |         | -             |  |  |
| Migrants                     | 74/139  | 87/136 | 81%     | 83%           |  |  |
| Tourists Departures/Arrivals | _       | 92/94  | _       | 94%           |  |  |
| International Students       | _       | 24/93  | _       | 11%           |  |  |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 105/140 | \$2,125 |
| Linguistic Commonality (+) | 108/140 | 0%      |
| Remoteness (-)             | 107/138 | 3.2     |
| Population (-)             | 30/140  | 44.8    |
| Landlocked (-)             |         | No      |
|                            |         |         |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 97/129  | 3.7   |
| Infrastructure (+)        | 59/128  | 3.9   |
| Press Freedom (+)         | 101/137 | 59    |
| Labor Freedom (+)         | 114/140 | 48    |
| Financial Freedom (+)     | 118/136 | 30    |

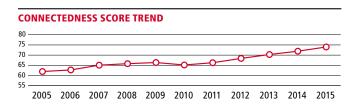
| Globalization Policies          |         |       |  |  |  |  |
|---------------------------------|---------|-------|--|--|--|--|
|                                 | Rank    | Level |  |  |  |  |
| Enabling Trade Index (+)        | 82/128  | 3.8   |  |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 71/120  | 2.1   |  |  |  |  |
| Capital Account Openness (+)    | 123/134 | 0.0   |  |  |  |  |
| Visa-Free Travel Outward (+)    | 75/140  | 79    |  |  |  |  |
| Visa-Free Travel Inward (+)     | •       | •     |  |  |  |  |

- Not Applicable

# **UNITED ARAB EMIRATES**

## **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |  |  |
|--------------------|--------|--------|--------|--------|--------|--------|--|--|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |  |  |
| Overall            | 10/140 | 14/140 | 4      | 74/100 | 70/100 | 4      |  |  |
| Depth              | 8/140  | 10/140 | 2      | 42/50  | 40/50  | 2      |  |  |
| Breadth            | 38/140 | 42/140 | 4      | 32/50  | 30/50  | 2      |  |  |
| Trade Pillar       | 6/140  | 11/140 | 5      | 80/100 | 77/100 | 3      |  |  |
| Capital Pillar     | •      | •      | •      | •      | •      | ·      |  |  |
| Information Pillar | 14/85  | 16/85  | 2      | 77/100 | 74/100 | 3      |  |  |
| People Pillar      | · · ·  |        |        | •      | •      |        |  |  |

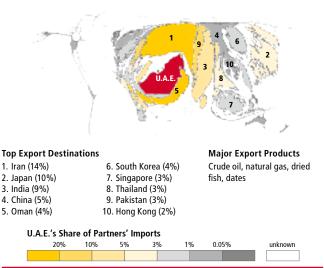


#### DEPTH

|                                                                | Ra      | nk     | Le      | Level  |  |
|----------------------------------------------------------------|---------|--------|---------|--------|--|
|                                                                | Outward | Inward | Outward | Inward |  |
| Trade                                                          | 11/     | 140    | -       | -      |  |
| Merchandise Trade (% of GDP)                                   | 8/139   | 14/140 | 77%     | 67%    |  |
| Services Trade (% of GDP)                                      | 76/140  | 14/140 | 8%      | 19%    |  |
| Capital                                                        |         |        | -       | -      |  |
| FDI Stock (% of GDP)                                           | 40/133  | 94/140 | 25%     | 32%    |  |
| FDI Flows (% of GFCF)                                          | 34/131  | 69/138 | 10%     | 12%    |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •      | •       | •      |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | •      | •       | •      |  |
| Information                                                    | 5/1     | 40     |         | _      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 35/     | 35/140 |         | 904    |  |
| International Phone Calls<br>(Minutes per Capita)              | 5/140   | 5/140  | 1602    | 784    |  |
| Printed Publications Trade<br>(USD per Capita)                 | 7/137   | 25/137 | \$89    | \$34   |  |
| People                                                         |         |        | -       | -      |  |
| Migrants (% of Population)                                     | 122/139 | 1/139  | 1%      | 88%    |  |
| Tourists (Dep./Arr. per Capita)                                | •       | •      | •       | •      |  |
| International Students (% of Tertiary<br>Education Enrollment) | 39/126  | 1/116  | 6%      | 45%    |  |

#### **ROOTED MAP**

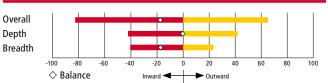
#### **UNITED ARAB EMIRATES' MERCHANDISE EXPORTS, 2015**



#### **BREADTH**

|                              | Ra      | Rank   |         | % Same Region |  |  |
|------------------------------|---------|--------|---------|---------------|--|--|
|                              | Outward | Inward | Outward | Inward        |  |  |
| Trade                        | 43/     | 140    | -       | -             |  |  |
| Merchandise Trade            | 80/139  | 7/138  | 31%     | 9%            |  |  |
| Capital                      |         |        | -       | -             |  |  |
| FDI Stock                    | 50/88   | 61/111 | 0%      | 0%            |  |  |
| FDI Flows                    | 45/77   | •      | 14%     | ·             |  |  |
| Portfolio Equity Stock       |         |        |         | _             |  |  |
| Information                  | 27/     | /85    | -       |               |  |  |
| International Phone Calls    | 48/83   | •      | 16%     |               |  |  |
| Printed Publications Trade   | 65/137  | 4/137  | 64%     | 7%            |  |  |
| People                       | 35/     | 35/123 |         | -             |  |  |
| Migrants                     | 65/139  | 34/136 | 50%     | 19%           |  |  |
| Tourists Departures/Arrivals | _       | •      | _       |               |  |  |
| International Students       | -       | 31/93  | _       | 60%           |  |  |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Rank   | Level                      |
|--------|----------------------------|
| 23/140 | \$36,060                   |
| 82/140 | 3%                         |
| 74/138 | 5.1                        |
| 80/140 | 9.2                        |
| -      | No                         |
|        | 23/140<br>82/140<br>74/138 |

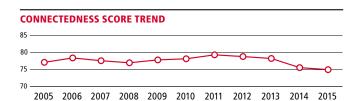
|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 13/129 | 5.3   |
| Infrastructure (+)        | 7/128  | 5.8   |
| Press Freedom (+)         | 94/137 | 62    |
| Labor Freedom (+)         | 13/140 | 84    |
| Financial Freedom (+)     | 68/136 | 50    |

| Globalization Policies          |        |       |  |  |  |
|---------------------------------|--------|-------|--|--|--|
|                                 | Rank   | Level |  |  |  |
| Enabling Trade Index (+)        | 14/128 | 5.0   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 57/120 | 3.2   |  |  |  |
| Capital Account Openness (+)    | 1/134  | 1.0   |  |  |  |
| Visa-Free Travel Outward (+)    | 59/140 | 114   |  |  |  |
| Visa-Free Travel Inward (+)     | 26/127 | 51    |  |  |  |

# **UNITED KINGDOM**

# **KEY SCORES AND TRENDS**

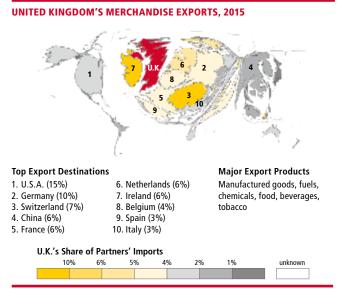
|                    |        | Rank          |        |        | Score  |        |
|--------------------|--------|---------------|--------|--------|--------|--------|
|                    | 2015   | 2013          | Change | 2015   | 2013   | Change |
| Overall            | 8/140  | 7/140         | -1     | 75/100 | 78/100 | -3     |
| Depth              | 74/140 | 56/140        | -18    | 26/50  | 29/50  | -3     |
| Breadth            | 1/140  | <b>1</b> /140 | 0      | 49/50  | 49/50  | 0      |
| Trade Pillar       | 30/140 | 23/140        | -7     | 63/100 | 65/100 | -2     |
| Capital Pillar     | 10/72  | 6/72          | -4     | 73/100 | 79/100 | -6     |
| Information Pillar | 1/85   | 1/85          | 0      | 95/100 | 95/100 | 0      |
| People Pillar      | 4/102  | 4/103         | 0      | 85/100 | 85/100 | 0      |



#### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 105     | /140    | -       | -      |
| Merchandise Trade (% of GDP)                                   | 103/139 | 112/140 | 16%     | 22%    |
| Services Trade (% of GDP)                                      | 49/140  | 86/140  | 12%     | 7%     |
| Capital                                                        | 44/     | /90     | -       | _      |
| FDI Stock (% of GDP)                                           | 17/133  | 52/140  | 54%     | 51%    |
| FDI Flows (% of GFCF)                                          | 131/131 | 79/138  | -11%    | 10%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | 30/82   | 16/81   | 46%     | 48%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 82/84   | 19/86   | -1%     | 2%     |
| Information                                                    | 8/1     | 40      |         | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 7/1     | 40      | 374     | ,554   |
| International Phone Calls<br>(Minutes per Capita)              | 11/140  | 28/140  | 600     | 279    |
| Printed Publications Trade<br>(USD per Capita)                 | 12/137  | 21/137  | \$63    | \$40   |
| People                                                         | 36/     | 112     | -       | -      |
| Migrants (% of Population)                                     | 56/139  | 31/139  | 8%      | 13%    |
| Tourists (Dep./Arr. per Capita)                                | 15/80   | 49/126  | 0.9     | 0.5    |
| International Students (% of Tertiary<br>Education Enrollment) | 104/126 | 8/116   | 1%      | 19%    |

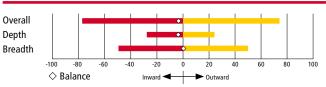
#### **ROOTED MAP**



#### **BREADTH**

|                              | Rank           |        | % Same  | Region |
|------------------------------|----------------|--------|---------|--------|
|                              | Outward        | Inward | Outward | Inward |
| Trade                        | 1/1            | 40     | -       | -      |
| Merchandise Trade            | 2/139          | 8/138  | 55%     | 60%    |
| Capital                      | 5/             | 5/79   |         | -      |
| FDI Stock                    | 5/88           | 1/111  | 47%     | 61%    |
| FDI Flows                    | 2/77           | 7/99   | 46%     | 45%    |
| Portfolio Equity Stock       | 5/71           |        | 39%     | _      |
| Information                  | 1/8            | 1/85   |         | -      |
| International Phone Calls    | 1/83           | 1/70   | 39%     | 46%    |
| Printed Publications Trade   | 1/137          | 1/137  | 51%     | 37%    |
| People                       | 2/123          |        | -       | -      |
| Migrants                     | <b>21</b> /139 | 3/136  | 27%     | 36%    |
| Tourists Departures/Arrivals | _              | •      | -       | •      |
| International Students       | -              | 1/93   | _       | 31%    |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 13/140  | \$43,771 |
| Linguistic Commonality (+) | 33/140  | 36%      |
| Remoteness (-)             | 117/138 | 2.8      |
| Population (-)             | 20/140  | 64.7     |
| Landlocked (-)             | _       | No       |
|                            |         |          |

|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 11/129 | 5.4   |
| Infrastructure (+)        | 2/128  | 6.0   |
| Press Freedom (+)         | 31/137 | 84    |
| Labor Freedom (+)         | 34/140 | 76    |
| Financial Freedom (+)     | 3/136  | 80    |

| Globalization Policies          |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 4/128  | 5.2   |
| Tariffs (Wtd. Mean Applied) (-) | 78/120 | 1.5   |
| Capital Account Openness (+)    | 1/134  | 1.0   |
| Visa-Free Travel Outward (+)    | 1/140  | 173   |
| Visa-Free Travel Inward (+)     | 96/127 | 22    |

- Not Applicable

(+) Positive Impact

# **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score          |        |
|--------------------|---------|---------|--------|--------|----------------|--------|
|                    | 2015    | 2013    | Change | 2015   | 2013           | Change |
| Overall            | 27/140  | 27/140  | 0      | 64/100 | 64/100         | 0      |
| Depth              | 100/140 | 101/140 | 1      | 17/50  | 18/50          | -1     |
| Breadth            | 2/140   | 2/140   | 0      | 47/50  | 47/50          | 0      |
| Trade Pillar       | 74/140  | 77/140  | 3      | 48/100 | 48/100         | 0      |
| Capital Pillar     | 9/72    | 9/72    | 0      | 74/100 | 75/100         | -1     |
| Information Pillar | 7/85    | 8/85    | 1      | 84/100 | 84/100         | 0      |
| People Pillar      | 39/102  | 40/103  | 1      | 62/100 | <b>61</b> /100 | 1      |

| _    |                         |
|------|-------------------------|
| CO   | NNECTEDNESS SCORE TREND |
| 70 - |                         |
| 65 - |                         |
| 60 - | <u> </u>                |
| 55 - |                         |
| 50 - |                         |

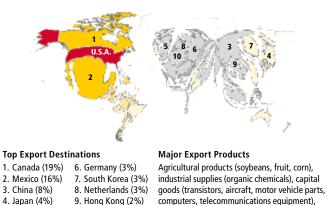
2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

#### DEPTH

|                                                                | Rank    |         | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 137     | 137/140 |         | -      |
| Merchandise Trade (% of GDP)                                   | 130/139 | 136/140 | 8%      | 13%    |
| Services Trade (% of GDP)                                      | 112/140 | 137/140 | 4%      | 3%     |
| Capital                                                        | 51/     | 90      | -       | -      |
| FDI Stock (% of GDP)                                           | 30/133  | 97/140  | 33%     | 31%    |
| FDI Flows (% of GFCF)                                          | 37/131  | 101/138 | 9%      | 7%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | 39/82   | 39/81   | 26%     | 24%    |
| Portfolio Equity Flows (% of Mkt Cap)                          | 42/84   | 71/86   | 1%      | 0%     |
| Information                                                    | 37/140  |         | -       |        |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 41/     | 41/140  |         | 017    |
| International Phone Calls<br>(Minutes per Capita)              | 21/140  | 86/140  | 421     | 107    |
| Printed Publications Trade<br>(USD per Capita)                 | 31/137  | 42/137  | \$15    | \$14   |
| People                                                         | 73/     | 73/112  |         | -      |
| Migrants (% of Population)                                     | 130/139 | 27/139  | 1%      | 14%    |
| Tourists (Dep./Arr. per Capita)                                | 42/80   | 70/126  | 0.2     | 0.2    |
| International Students (% of Tertiary<br>Education Enrollment) | 125/126 | 42/116  | 0%      | 4%     |

#### **ROOTED MAP**

#### **UNITED STATES' MERCHANDISE EXPORTS, 2015**

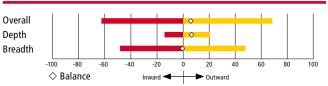


| 5. U.K. (4%) |          | lgium (2º |           | consumer goods (automobiles, medicines) |     |   |         |  |
|--------------|----------|-----------|-----------|-----------------------------------------|-----|---|---------|--|
| U.S.A.'s     | Share of | Partners  | s' Import | s                                       |     |   |         |  |
| 60           | 0% 40    | 1% 25     | % 10      | 0% 4                                    | % 1 | % | unknown |  |
|              |          |           |           |                                         |     |   |         |  |

#### **BREADTH**

|                              | Rank    |        | % Same  | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 5/140   |        | -       | -      |
| Merchandise Trade            | 16/139  | 13/138 | 34%     | 26%    |
| Capital                      | 1/      | 79     | -       | -      |
| FDI Stock                    | 3/88    | 3/111  | 16%     | 10%    |
| FDI Flows                    | 1/77    | 1/99   | 17%     | 7%     |
| Portfolio Equity Stock       | 2/71    |        | 10%     | _      |
| Information                  | 3/      | 85     | _       | -      |
| International Phone Calls    | 2/83    | 7/70   | 36%     | 40%    |
| Printed Publications Trade   | 12/137  | 24/137 | 52%     | 23%    |
| People                       | 16/     | 16/123 |         | -      |
| Migrants                     | 29/139  | 2/136  | 40%     | 30%    |
| Tourists Departures/Arrivals | _       | 43/94  | _       | 54%    |
| International Students       |         | 3/93   | _       | 5%     |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |        |          |
|----------------------------|--------|----------|
|                            | Rank   | Level    |
| GDP per Capita (+)         | 6/140  | \$55,805 |
| Linguistic Commonality (+) | 36/140 | 15%      |
| Remoteness (-)             | 23/138 | 7.0      |
| Population (-)             | 3/140  | 321.8    |
| Landlocked (-)             |        | No       |

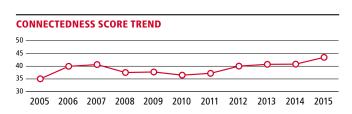
|                           | Rank   | Level |
|---------------------------|--------|-------|
| Operating Environment (+) | 24/129 | 5.0   |
| Infrastructure (+)        | 7/128  | 5.8   |
| Press Freedom (+)         | 42/137 | 78    |
| Labor Freedom (+)         | 1/140  | 99    |
| Financial Freedom (+)     | 18/136 | 70    |

| Globalization Policies          |         |       |
|---------------------------------|---------|-------|
|                                 | Rank    | Level |
| Enabling Trade Index (+)        | 14/128  | 5.0   |
| Tariffs (Wtd. Mean Applied) (-) | 105/120 | 1.4   |
| Capital Account Openness (+)    | 1/134   | 1.0   |
| Visa-Free Travel Outward (+)    | 3/140   | 172   |
| Visa-Free Travel Inward (+)     | 117/127 | 6     |

# URUGUAY

# **KEY SCORES AND TRENDS**

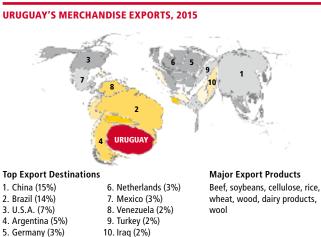
|                    |            | Rank    |        |        | Score  |        |  |
|--------------------|------------|---------|--------|--------|--------|--------|--|
|                    | 2015       | 2013    | Change | 2015   | 2013   | Change |  |
| Overall            | 81/140     | 89/140  | 8      | 43/100 | 41/100 | 2      |  |
| Depth              | 110/140    | 107/140 | -3     | 16/50  | 16/50  | 0      |  |
| Breadth            | 53/140     | 63/140  | 10     | 28/50  | 24/50  | 4      |  |
| Trade Pillar       | 97/140     | 111/140 | 14     | 41/100 | 36/100 | 5      |  |
| Capital Pillar     | · ·        | •       | •      | •      | •      | •      |  |
| Information Pillar | 74/85      | 71/85   | -3     | 41/100 | 42/100 | -1     |  |
| People Pillar      | - <u> </u> |         |        |        |        |        |  |



DEPTH

|                                                                | Ra      | nk            | Level   |        |
|----------------------------------------------------------------|---------|---------------|---------|--------|
|                                                                | Outward | Inward        | Outward | Inward |
| Trade                                                          | 127     | /140          | -       | -      |
| Merchandise Trade (% of GDP)                                   | 111/139 | 126/140       | 14%     | 18%    |
| Services Trade (% of GDP)                                      | 90/140  | 113/140       | 6%      | 5%     |
| Capital                                                        |         |               | -       | -      |
| FDI Stock (% of GDP)                                           | 123/133 | 72/140        | 0%      | 40%    |
| FDI Flows (% of GFCF)                                          | 104/131 | 41/138        | 0%      | 19%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •             | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | ·             | · _     |        |
|                                                                |         |               |         |        |
| Information                                                    | 71/     | 140           | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 50/     | 50/140 73,151 |         | 151    |
| International Phone Calls<br>(Minutes per Capita)              | 60/140  | 87/140        | 96      | 104    |
| Printed Publications Trade<br>(USD per Capita)                 | 73/137  | 88/137        | \$1     | \$3    |
| People                                                         | 55/     | 112           | -       | -      |
| Migrants (% of Population)                                     | 45/139  | 90/139        | 10%     | 2%     |
| Tourists (Dep./Arr. per Capita)                                | 18/80   | 35/126        | 0.7     | 0.8    |
| International Students (% of Tertiary<br>Education Enrollment) | 95/126  |               | 2%      |        |

## **ROOTED MAP**

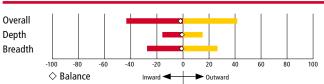


| Uruguay's | Share of | Partners | ' Imports |       |       |         |
|-----------|----------|----------|-----------|-------|-------|---------|
| 0.8%      | 0.4%     | 0.3%     | 0.1%      | 0.05% | 0.01% | unknown |
|           |          |          |           |       |       |         |

#### BREADTH

|                              | Ra      | nk             | % Same  | Region |
|------------------------------|---------|----------------|---------|--------|
|                              | Outward | Inward         | Outward | Inward |
| Trade                        | 46/140  |                | -       | -      |
| Merchandise Trade            | 47/139  | 46/138         | 35%     | 36%    |
| Capital                      | 37/     | /79            | -       | -      |
| FDI Stock                    | •       | •              | •       | •      |
| FDI Flows                    | •       | •              | •       | •      |
| Portfolio Equity Stock       | 33/71   |                | 3%      |        |
| Information                  | 79      | /85            | -       | -      |
| International Phone Calls    | 69/83   | •              | 82%     | 71%    |
| Printed Publications Trade   | 119/137 | 95/137         | 95%     | 69%    |
| People                       |         |                | -       | -      |
| Migrants                     | 56/139  | <b>89</b> /136 | 51%     | 56%    |
| Tourists Departures/Arrivals | _       | •              | _       | •      |
| International Students       | _       | •              | -       | •      |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |          |
|----------------------------|---------|----------|
|                            | Rank    | Level    |
| GDP per Capita (+)         | 45/140  | \$15,748 |
| Linguistic Commonality (+) | 62/140  | 6%       |
| Remoteness (-)             | 6/138   | 8.7      |
| Population (-)             | 112/140 | 3.4      |
| Landlocked (-)             | -       | No       |
|                            |         |          |

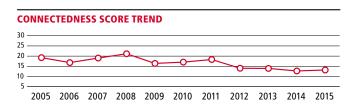
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 35/129  | 4.6   |
| Infrastructure (+)        | 79/128  | 3.6   |
| Press Freedom (+)         | 23/137  | 89    |
| Labor Freedom (+)         | 56/140  | 64    |
| Financial Freedom (+)     | 118/136 | 30    |

| Globalization Policies |                                                          |  |  |  |
|------------------------|----------------------------------------------------------|--|--|--|
| Rank                   | Level                                                    |  |  |  |
| 56/128                 | 4.2                                                      |  |  |  |
| 42/120                 | 4.7                                                      |  |  |  |
| 1/134                  | 1.0                                                      |  |  |  |
| 48/140                 | 134                                                      |  |  |  |
| 52/127                 | 28                                                       |  |  |  |
|                        | 56/128           42/120           1/134           48/140 |  |  |  |

- Not Applicable

## **KEY SCORES AND TRENDS**

|                    |         | Rank           |        |        | Score  |        |  |  |
|--------------------|---------|----------------|--------|--------|--------|--------|--|--|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |  |  |
| Overall            | 139/140 | 139/140        | 0      | 13/100 | 14/100 | -1     |  |  |
| Depth              | 124/140 | 125/140        | 1      | 9/50   | 10/50  | -1     |  |  |
| Breadth            | 138/140 | 136/140        | -2     | 4/50   | 4/50   | 0      |  |  |
| Trade Pillar       | 138/140 | 138/140        | 0      | 18/100 | 19/100 | -1     |  |  |
| Capital Pillar     | •       | •              | •      | •      | •      | •      |  |  |
| Information Pillar | 85/85   | 85/85          | 0      | 14/100 | 13/100 | 1      |  |  |
| People Pillar      | 95/102  | <b>96</b> /103 | 1      | 25/100 | 25/100 | 0      |  |  |

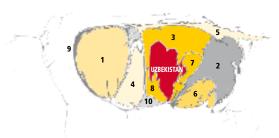


#### DEPTH

|                                                                | Rank    |         | Level    |        |
|----------------------------------------------------------------|---------|---------|----------|--------|
|                                                                | Outward | Inward  | Outward  | Inward |
| Trade                                                          | 119     | /140    | -        | -      |
| Merchandise Trade (% of GDP)                                   | 89/139  | 116/140 | 20%      | 21%    |
| Services Trade (% of GDP)                                      | 104/140 | 140/140 | 4%       | 2%     |
| Capital                                                        |         |         | -        | -      |
| FDI Stock (% of GDP)                                           | •       | 122/140 | •        | 15%    |
| FDI Flows (% of GFCF)                                          | •       | 121/138 | •        | 4%     |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •        | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          |         |         | <u> </u> | •      |
| Information                                                    | 121     | /140    | -        | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 135     | /140    | 2,075    |        |
| International Phone Calls<br>(Minutes per Capita)              | 125/140 | 81/140  | 10       | 121    |
| Printed Publications Trade<br>(USD per Capita)                 | ·       | ·       | ·        | •      |
| People                                                         | 77/112  |         | -        | -      |
| Migrants (% of Population)                                     | 62/139  | 68/139  | 7%       | 4%     |
| Tourists (Dep./Arr. per Capita)                                | 68/80   | 94/126  | 0.1      | 0.1    |
| International Students (% of Tertiary<br>Education Enrollment) | 30/126  | 104/116 | 8%       | 0%     |

#### **ROOTED MAP**

#### **UZBEKISTAN'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations**

| 1. Switzerland (26%) | 6. Bangladesh (7%)   |
|----------------------|----------------------|
| 2. China (18%)       | 7. Kyrgyz Rep. (3%)  |
| 3. Kazakhstan (14%)  | 8. Turkmenistan (3%) |
| 4. Turkey (10%)      | 9. France (2%)       |
| 5. Russia (8%)       | 10. Iran (2%)        |

# **Major Export Products**

Energy products, cotton, gold, mineral fertilizers, ferrous and nonferrous metals, textiles, foodstuffs, machinery, automobiles

| Uzb | ekistan's | Share o | f Partner | s' Impor | ts   |       |         |
|-----|-----------|---------|-----------|----------|------|-------|---------|
|     | 2%        | 1%      | 0.5%      | 0.2%     | 0.1% | 0.05% | unknown |
|     |           |         |           |          |      |       |         |

#### **BREADTH**

|                              | Ra      | nk             | % Same  | Region |
|------------------------------|---------|----------------|---------|--------|
|                              | Outward | Inward         | Outward | Inward |
| Trade                        | 126     | /140           | -       | -      |
| Merchandise Trade            | 135/139 | 106/138        | 40%     | 22%    |
| Capital                      |         |                | -       | -      |
| FDI Stock                    | •       | •              | •       | •      |
| FDI Flows                    | •       | •              | •       | •      |
| Portfolio Equity Stock       | •       | _              | •       | _      |
|                              |         |                |         |        |
| Information                  | 85/85   |                | -       |        |
| International Phone Calls    | 82/83   | 70/70          | 23%     | 0%     |
| Printed Publications Trade   | •       |                | •       | •      |
| People                       | 116/    | /123           | -       | -      |
| Migrants                     | 117/139 | <b>91</b> /136 | 21%     | 5%     |
| Tourists Departures/Arrivals | _       | 94/94          | _       | 89%    |
| International Students       | _       |                | _       |        |

# DIRECTIONALITY

#### **Not Available**

| Rank    | Level                        |
|---------|------------------------------|
| 106/140 | \$2,121                      |
| 108/140 | 0%                           |
| 85/138  | 4.4                          |
| 40/140  | 29.9                         |
| _       | Yes                          |
|         | 106/140<br>108/140<br>85/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 47/129  | 4.4   |
| Infrastructure (+)        | 109/128 | 2.9   |
| Press Freedom (+)         | 132/137 | 31    |
| Labor Freedom (+)         | 58/140  | 64    |
| Financial Freedom (+)     | 136/136 | 10    |

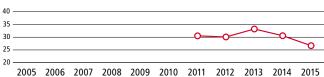
| Globalization Policies          |         |       |
|---------------------------------|---------|-------|
|                                 | Rank    | Level |
| Enabling Trade Index (+)        | 120/128 | 3.1   |
| Tariffs (Wtd. Mean Applied) (-) | 28/120  | 6.6   |
| Capital Account Openness (+)    | 123/134 | 0.0   |
| Visa-Free Travel Outward (+)    | 108/140 | 52    |
| Visa-Free Travel Inward (+)     | •       | •     |

# **VENEZUELA, RB**

# **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |  |  |
|--------------------|---------|---------|--------|--------|--------|--------|--|--|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |  |  |
| Overall            | 125/140 | 110/140 | -15    | 27/100 | 33/100 | -6     |  |  |
| Depth              | 130/140 | 111/140 | -19    | 8/50   | 16/50  | -8     |  |  |
| Breadth            | 85/140  | 85/140  | 0      | 19/50  | 18/50  | 1      |  |  |
| Trade Pillar       | 129/140 | 116/140 | -13    | 24/100 | 34/100 | -10    |  |  |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |  |  |
| Information Pillar | 80/85   | 80/85   | 0      | 37/100 | 36/100 | 1      |  |  |
| People Pillar      | 82/102  | 84/103  | 2      | 31/100 | 32/100 | -1     |  |  |

#### **CONNECTEDNESS SCORE TREND**



## DEPTH

|                                                                | Ra      | nk      | Le      | vel    |  |
|----------------------------------------------------------------|---------|---------|---------|--------|--|
|                                                                | Outward | Inward  | Outward | Inward |  |
| Trade                                                          | 133     | /140    | -       | -      |  |
| Merchandise Trade (% of GDP)                                   | 107/139 | 135/140 | 15%     | 14%    |  |
| Services Trade (% of GDP)                                      | 139/140 | 102/140 | 1%      | 6%     |  |
| Capital                                                        |         |         | -       | -      |  |
| FDI Stock (% of GDP)                                           | 58/133  | 129/140 | 11%     | 12%    |  |
| FDI Flows (% of GFCF)                                          | 95/131  | 117/138 | 0%      | 5%     |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       | •      |  |
| Portfolio Equity Flows (% of Mkt Cap)                          | •       | ·       | •       |        |  |
|                                                                |         |         |         |        |  |
| Information                                                    | 102     | /140    | -       |        |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 102     | /140    | 16,     | 310    |  |
| International Phone Calls<br>(Minutes per Capita)              | 66/140  | 105/140 | 84      | 68     |  |
| Printed Publications Trade<br>(USD per Capita)                 | 121/137 | 86/137  | \$0     | \$4    |  |
| People                                                         | 103     | /112    | _       | -      |  |
| Migrants (% of Population)                                     | 117/139 | 65/139  | 2%      | 5%     |  |
| Tourists (Dep./Arr. per Capita)                                | 72/80   | 111/126 | 0.1     | 0.0    |  |
| International Students (% of Tertiary<br>Education Enrollment) | •       | 108/116 |         | 0%     |  |

### **ROOTED MAP**

#### **VENEZUELA, RB'S MERCHANDISE EXPORTS, 2015**



#### **Top Export Destinations** 1.

| 1. U.S.A. (27%)   | 6. Dominican Rep. (2%) |
|-------------------|------------------------|
| 2. India (14%)    | 7. Spain (2%)          |
| 3. China (12%)    | 8. Switzerland (1%)    |
| 4. Cuba (6%)      | 9. Brazil (1%)         |
| 5. Singapore (3%) | 10. Jamaica (1%)       |
|                   |                        |

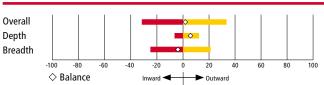
**Major Export Products** Petroleum and petroleum products, bauxite and aluminum, minerals, chemicals, agricultural products

| Venezuela's Share of Partners' Imports |   |    |    |    |      |       |         |  |  |
|----------------------------------------|---|----|----|----|------|-------|---------|--|--|
| 7                                      | % | 4% | 2% | 1% | 0.5% | 0.05% | unknown |  |  |
|                                        |   |    |    |    |      |       |         |  |  |

#### **BREADTH**

|                              | Ra       | nk      | % Same  | Region |
|------------------------------|----------|---------|---------|--------|
|                              | Outward  | Inward  | Outward | Inward |
| Trade                        | 96/      | 140     | -       | -      |
| Merchandise Trade            | 99/139   | 80/138  | 17%     | 34%    |
| Capital                      |          |         | -       | -      |
| FDI Stock                    | •        | 26/111  | •       | 15%    |
| FDI Flows                    | 39/77    | •       | 24%     | •      |
| Portfolio Equity Stock       | <u> </u> |         | 9%      | _      |
| Information                  | 71       | /85     | -       | -      |
| International Phone Calls    | 66/83    | 28/70   | 57%     | 27%    |
| Printed Publications Trade   | 132/137  | 115/137 | 99%     | 63%    |
| People                       | 63/      | 123     | -       | -      |
| Migrants                     | 39/139   | 78/136  | 17%     | 81%    |
| Tourists Departures/Arrivals | _        | 65/94   | _       | 63%    |
| International Students       | _        | •       | _       | •      |

# DIRECTIONALITY



| Structural Factors         |        |         |
|----------------------------|--------|---------|
|                            | Rank   | Level   |
| GDP per Capita (+)         | 67/140 | \$7,745 |
| Linguistic Commonality (+) | 67/140 | 6%      |
| Remoteness (-)             | 36/138 | 6.3     |
| Population (-)             | 38/140 | 31.1    |
| Landlocked (-)             | _      | No      |
|                            |        |         |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 129/129 | 2.6   |
| Infrastructure (+)        | 96/128  | 3.1   |
| Press Freedom (+)         | 108/137 | 57    |
| Labor Freedom (+)         | 139/140 | 24    |
| Financial Freedom (+)     | 133/136 | 20    |

| Rank    | Level                                                       |
|---------|-------------------------------------------------------------|
| 128/128 | 2.8                                                         |
| 14/120  | 9.7                                                         |
| 123/134 | 0.0                                                         |
| 50/140  | 129                                                         |
| 56/127  | 27                                                          |
|         | 128/128           14/120           123/134           50/140 |

# **KEY SCORES AND TRENDS**

|                    |        | Rank   |        |        | Score  |        |
|--------------------|--------|--------|--------|--------|--------|--------|
|                    | 2015   | 2013   | Change | 2015   | 2013   | Change |
| Overall            | 36/140 | 33/140 | -3     | 60/100 | 60/100 | 0      |
| Depth              | 54/140 | 53/140 | -1     | 30/50  | 29/50  | 1      |
| Breadth            | 41/140 | 38/140 | -3     | 31/50  | 31/50  | 0      |
| Trade Pillar       | 10/140 | 10/140 | 0      | 78/100 | 78/100 | 0      |
| Capital Pillar     | •      | •      | •      | •      | •      | •      |
| Information Pillar | •      | •      | •      | •      | •      | •      |
| People Pillar      | •      | •      | •      | •      | •      | •      |

#### **CONNECTEDNESS SCORE TREND**

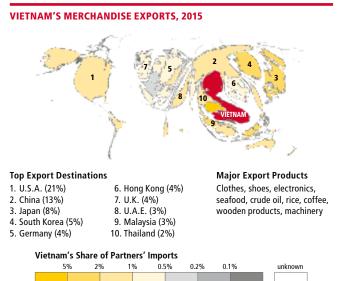
| 70<br>65<br>60 |   |      |      | <br>_0_ | <br>-0- | _0_ | _0_  |  |
|----------------|---|------|------|---------|---------|-----|------|--|
| 50<br>45<br>40 | 0 | 2006 | 2008 |         |         |     | 2014 |  |

#### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 16/140  |         | -       | -      |
| Merchandise Trade (% of GDP)                                   | 6/139   | 4/140   | 85%     | 87%    |
| Services Trade (% of GDP)                                      | 89/140  | 79/140  | 6%      | 8%     |
| Capital                                                        | 43      | /90     | -       | _      |
| FDI Stock (% of GDP)                                           | 78/133  | 49/140  | 4%      | 54%    |
| FDI Flows (% of GFCF)                                          | 56/131  | 33/138  | 3%      | 23%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | 79/84   | 29/86   | 0%      | 1%     |
|                                                                |         |         |         |        |
| Information                                                    | 108     | /140    | -       | -      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 90/     | 140     | 24,     | 374    |
| International Phone Calls<br>(Minutes per Capita)              | 128/140 | 126/140 | 9       | 30     |
| Printed Publications Trade<br>(USD per Capita)                 | 90/137  | 111/137 | \$0     | \$2    |
| People                                                         |         |         | -       | -      |
| Migrants (% of Population)                                     | 107/139 | 138/139 | 3%      | 0%     |
| Tourists (Dep./Arr. per Capita)                                | •       | •       | •       | •      |
| International Students (% of Tertiary<br>Education Enrollment) | 83/126  | 108/116 | 2%      | 0%     |

# DHL Global Connectedness Index 2016 225

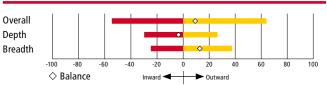
#### **ROOTED MAP**



#### **BREADTH**

|                              | Ra      | Rank   |         | Region |
|------------------------------|---------|--------|---------|--------|
|                              | Outward | Inward | Outward | Inward |
| Trade                        | 42/     | 140    | -       | -      |
| Merchandise Trade            | 4/139   | 79/138 | 46%     | 82%    |
| Capital                      |         |        | -       | -      |
| FDI Stock                    | •       | ·      | 86%     | •      |
| FDI Flows                    | 71/77   | 60/99  | 60%     | 84%    |
| Portfolio Equity Stock       | ·       |        |         | _      |
| Information                  |         |        | -       | -      |
| International Phone Calls    |         | •      |         | •      |
| Printed Publications Trade   | 28/137  | 37/137 | 73%     | 48%    |
| People                       | 48/     | 123    | _       | -      |
| Migrants                     | 23/139  | 40/136 | 24%     | 72%    |
| Tourists Departures/Arrivals | _       | •      | _       | •      |
| International Students       | -       | 67/93  | _       | 95%    |

# DIRECTIONALITY



| Rank    | Level                        |
|---------|------------------------------|
| 107/140 | \$2,088                      |
| 108/140 | 0%                           |
| 67/138  | 5.6                          |
| 14/140  | 93.4                         |
| _       | No                           |
|         | 107/140<br>108/140<br>67/138 |

|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 76/129  | 4.0   |
| Infrastructure (+)        | 59/128  | 3.9   |
| Press Freedom (+)         | 136/137 | 16    |
| Labor Freedom (+)         | 67/140  | 63    |
| Financial Freedom (+)     | 118/136 | 30    |

| Globalization Policies          |         |       |  |  |  |
|---------------------------------|---------|-------|--|--|--|
|                                 | Rank    | Level |  |  |  |
| Enabling Trade Index (+)        | 67/128  | 4.0   |  |  |  |
| Tariffs (Wtd. Mean Applied) (-) | 52/120  | 3.4   |  |  |  |
| Capital Account Openness (+)    | 80/134  | 0.4   |  |  |  |
| Visa-Free Travel Outward (+)    | 122/140 | 45    |  |  |  |
| Visa-Free Travel Inward (+)     | 110/127 | 13    |  |  |  |

# **YEMEN, REPUBLIC**

# **KEY SCORES AND TRENDS**

|                    |         | Rank    |        |        | Score  |        |
|--------------------|---------|---------|--------|--------|--------|--------|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |
| Overall            | 134/140 | 126/140 | -8     | 18/100 | 27/100 | -9     |
| Depth              | 126/140 | 121/140 | -5     | 9/50   | 12/50  | -3     |
| Breadth            | 124/140 | 93/140  | -31    | 9/50   | 15/50  | -6     |
| Trade Pillar       | 130/140 | 105/140 | -25    | 24/100 | 38/100 | -14    |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |
| Information Pillar | •       | •       | •      | •      | •      | •      |
| People Pillar      | •       | •       | •      | •      | •      | •      |

## CONNECTEDNESS SCORE TREND

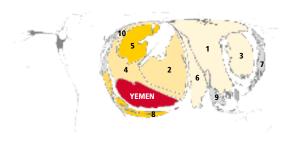
| 35<br>30<br>25<br>20<br>15 | 0    | _0_  | _0_  | -0-  | -0-  | -0-  | -0   | ~    | -0-  | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ð    |
|----------------------------|------|------|------|------|------|------|------|------|------|-----------------------------------------|------|
| 10                         | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014                                    | 2015 |

#### DEPTH

|                                                                | Ra             | nk       | Level   |        |
|----------------------------------------------------------------|----------------|----------|---------|--------|
|                                                                | Outward        | Inward   | Outward | Inward |
| Trade                                                          | 110            | /140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 139/139        | 63/140   | 3%      | 35%    |
| Services Trade (% of GDP)                                      | 114/140        | 103/140  | 3%      | 6%     |
| Capital                                                        |                |          | -       | -      |
| FDI Stock (% of GDP)                                           | 100/133        | 140/140  | 2%      | 2%     |
| FDI Flows (% of GFCF)                                          | <b>92</b> /131 | 138/138  | 1%      | -81%   |
| Portfolio Equity Stock (% of Mkt Cap)                          | •              | •        | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          | ·              | <u> </u> | ·       |        |
| Information                                                    | 132            | /140     | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 134            | /140     | 2,4     | 196    |
| International Phone Calls<br>(Minutes per Capita)              | 131/140        | 118/140  | 6       | 39     |
| Printed Publications Trade<br>(USD per Capita)                 | 127/137        | 65/137   | \$0     | \$7    |
| People                                                         | 76/            | 112      | -       | -      |
| Migrants (% of Population)                                     | 94/139         | 106/139  | 4%      | 1%     |
| Tourists (Dep./Arr. per Capita)                                | •              | 105/126  | •       | 0.0    |
| International Students (% of Tertiary<br>Education Enrollment) | 55/126         | 45/116   | 5%      | 4%     |

#### **ROOTED MAP**

#### YEMEN, REPUBLIC'S MERCHANDISE EXPORTS, 2015



#### **Top Export Destinations** 1. China (25%)

| 1. China (25%)        | 6. India (9%)    |
|-----------------------|------------------|
| 2. U.A.E. (16%)       | 7. Japan (4%)    |
| 3. South Korea (10%)  | 8. Somalia (2%)  |
| 4. Saudi Arabia (10%) | 9. Thailand (2%) |
| 5. Kuwait (9%)        | 10. Iraq (2%)    |

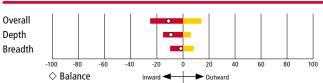
Major Export Products Crude oil, coffee, dried and salted fish, liquefied natural gas

| Yemen's Share of Partners' Imports |         |      |       |       |        |         |  |
|------------------------------------|---------|------|-------|-------|--------|---------|--|
| 0.5%                               | 6 0.25% | 0.1% | 0.05% | 0.01% | 0.005% | unknown |  |
|                                    |         |      |       |       |        |         |  |

#### BREADTH

|                              | Ra       | Rank    |          | % Same Region |  |  |
|------------------------------|----------|---------|----------|---------------|--|--|
|                              | Outward  | Inward  | Outward  | Inward        |  |  |
| Trade                        | 116      | /140    | -        | -             |  |  |
| Merchandise Trade            | 123/139  | 97/138  | 42%      | 44%           |  |  |
| Capital                      |          |         | -        | -             |  |  |
| FDI Stock                    | 79/88    | •       | 0%       | •             |  |  |
| FDI Flows                    | •        | 92/99   | 30%      | 0%            |  |  |
| Portfolio Equity Stock       | <u>·</u> | _       | <u> </u> |               |  |  |
| Information                  |          |         | _        | -             |  |  |
| International Phone Calls    |          | •       | •        | •             |  |  |
| Printed Publications Trade   | 57/137   | 131/137 | 63%      | 5%            |  |  |
| People                       |          |         | -        | -             |  |  |
| Migrants                     | 108/139  | 113/136 | 93%      | 9%            |  |  |
| Tourists Departures/Arrivals | _        | •       | _        | 74%           |  |  |
| International Students       |          | •       | _        | •             |  |  |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 118/140 | \$1,303 |
| Linguistic Commonality (+) | 77/140  | 3%      |
| Remoteness (-)             | 60/138  | 5.7     |
| Population (-)             | 44/140  | 26.8    |
| Landlocked (-)             | -       | No      |

| General Policies/Environment |         |       |  |  |
|------------------------------|---------|-------|--|--|
|                              | Rank    | Level |  |  |
| Operating Environment (+)    | 126/129 | 2.9   |  |  |
| Infrastructure (+)           | 122/128 | 2.5   |  |  |
| Press Freedom (+)            | 133/137 | 24    |  |  |
| Labor Freedom (+)            | 84/140  | 57    |  |  |
| Financial Freedom (+)        | 118/136 | 30    |  |  |

| Rank    | Level                                                      |
|---------|------------------------------------------------------------|
| 121/128 | 3.0                                                        |
| 47/120  | 4.1                                                        |
| 1/134   | 1.0                                                        |
| 134/140 | 39                                                         |
| 120/127 | 3                                                          |
|         | 121/128           47/120           1/134           134/140 |

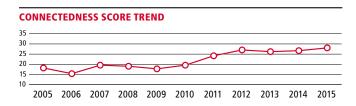
- Not Applicable

Data Not Available

(+) Positive Impact

## **KEY SCORES AND TRENDS**

|                    | Rank    |         |        | Score  |        |        |
|--------------------|---------|---------|--------|--------|--------|--------|
|                    | 2015    | 2013    | Change | 2015   | 2013   | Change |
| Overall            | 122/140 | 127/140 | 5      | 28/100 | 26/100 | 2      |
| Depth              | 93/140  | 93/140  | 0      | 20/50  | 20/50  | 0      |
| Breadth            | 125/140 | 127/140 | 2      | 8/50   | 6/50   | 2      |
| Trade Pillar       | 124/140 | 127/140 | 3      | 30/100 | 29/100 | 1      |
| Capital Pillar     | •       | •       | •      | •      | •      | •      |
| Information Pillar | •       | •       | •      | •      | •      | •      |
| People Pillar      | •       | •       | •      | •      | •      | •      |



#### DEPTH

|                                                                | Ra      | Rank           |         | Level  |  |
|----------------------------------------------------------------|---------|----------------|---------|--------|--|
|                                                                | Outward | Inward         | Outward | Inward |  |
| Trade                                                          | 64/     | 140            | -       | -      |  |
| Merchandise Trade (% of GDP)                                   | 49/139  | <b>51</b> /140 | 32%     | 39%    |  |
| Services Trade (% of GDP)                                      | 120/140 | 99/140         | 3%      | 6%     |  |
| Capital                                                        |         |                | -       | -      |  |
| FDI Stock (% of GDP)                                           | 64/133  | 31/140         | 10%     | 76%    |  |
| FDI Flows (% of GFCF)                                          | 129/131 | 21/138         | -2%     | 32%    |  |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •              | •       |        |  |
| Portfolio Equity Flows (% of Mkt Cap)                          |         | •              |         | •      |  |
|                                                                |         |                |         |        |  |
| Information                                                    | 127     | '140           | -       | -      |  |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 127/    | /140           | 3,1     | 87     |  |
| International Phone Calls<br>(Minutes per Capita)              | 136/140 | 130/140        | 4       | 21     |  |
| Printed Publications Trade<br>(USD per Capita)                 | 68/137  | 99/137         | \$2     | \$2    |  |
| People                                                         |         |                |         | -      |  |
| Migrants (% of Population)                                     | 123/139 | 115/139        | 1%      | 1%     |  |
| Tourists (Dep./Arr. per Capita)                                | •       | 96/126         | •       | 0.1    |  |
| International Students (% of Tertiary<br>Education Enrollment) | ·       | •              | · ·     |        |  |

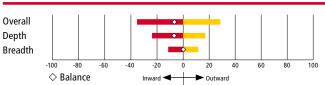
#### **ROOTED MAP**

#### ZAMBIA'S MERCHANDISE EXPORTS, 2015 **Top Export Destinations Major Export Products** 1. China (26%) 6. U.A.E. (4%) Copper, cobalt, electricity, tobacco, flowers, cotton 2. Congo, DRC (13%) 7. Zimbabwe (3%) 3. South Africa (6%) 8. Italy (3%) 4. South Korea (5%) 9. Malawi (2%) 5. India (4%) 10. Belgium (2%) Zambia's Share of Partners' Imports 0.3% 0.05% 0.01% 4% 1% 0.1% unknown

#### BREADTH

|                              | Ra             | Rank    |         | % Same Region |  |
|------------------------------|----------------|---------|---------|---------------|--|
|                              | Outward        | Inward  | Outward | Inward        |  |
| Trade                        | 134            | /140    | -       | -             |  |
| Merchandise Trade            | 115/139        | 137/138 | 35%     | 70%           |  |
| Capital                      |                |         | -       | -             |  |
| FDI Stock                    | ·              | 79/111  | •       | 15%           |  |
| FDI Flows                    | •              | 48/99   | •       | 11%           |  |
| Portfolio Equity Stock       |                |         |         | -             |  |
| Information                  | -              |         | -       | -             |  |
| International Phone Calls    | •              | •       | •       | •             |  |
| Printed Publications Trade   | 101/137        | 87/137  | 4%      | 39%           |  |
| People                       |                |         | -       | -             |  |
| Migrants                     | <b>95</b> /139 | 74/136  | 69%     | 89%           |  |
| Tourists Departures/Arrivals | -              | •       | _       | 77%           |  |
| International Students       | -              | · .     | _       | •             |  |

# DIRECTIONALITY



| Rank    | Level                       |
|---------|-----------------------------|
| 115/140 | \$1,350                     |
| 17/140  | 39%                         |
| 18/138  | 7.6                         |
| 60/140  | 16.2                        |
| _       | Yes                         |
|         | 115/140<br>17/140<br>18/138 |

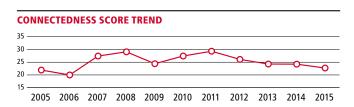
|                           | Rank    | Level |
|---------------------------|---------|-------|
| Operating Environment (+) | 40/129  | 4.5   |
| Infrastructure (+)        | 110/128 | 2.9   |
| Press Freedom (+)         | 89/137  | 65    |
| Labor Freedom (+)         | 117/140 | 46    |
| Financial Freedom (+)     | 68/136  | 50    |

| Globalization Policies          |        |       |
|---------------------------------|--------|-------|
|                                 | Rank   | Level |
| Enabling Trade Index (+)        | 87/128 | 3.7   |
| Tariffs (Wtd. Mean Applied) (-) | 55/120 | 3.4   |
| Capital Account Openness (+)    | 1/134  | 1.0   |
| Visa-Free Travel Outward (+)    | 91/140 | 65    |
| Visa-Free Travel Inward (+)     | 44/127 | 30    |

# ZIMBABWE

# **KEY SCORES AND TRENDS**

|                    |         | Rank           |        | Score  |        |        |  |  |  |  |  |  |
|--------------------|---------|----------------|--------|--------|--------|--------|--|--|--|--|--|--|
|                    | 2015    | 2013           | Change | 2015   | 2013   | Change |  |  |  |  |  |  |
| Overall            | 130/140 | 129/140        | -1     | 23/100 | 24/100 | -1     |  |  |  |  |  |  |
| Depth              | 101/140 | 98/140         | -3     | 16/50  | 18/50  | -2     |  |  |  |  |  |  |
| Breadth            | 130/140 | 126/140        | -4     | 6/50   | 6/50   | 0      |  |  |  |  |  |  |
| Trade Pillar       | 128/140 | 121/140        | -7     | 26/100 | 32/100 | -6     |  |  |  |  |  |  |
| Capital Pillar     | •       | •              | •      | •      | •      | •      |  |  |  |  |  |  |
| Information Pillar | 84/85   | 84/85          | 0      | 18/100 | 16/100 | 2      |  |  |  |  |  |  |
| People Pillar      | 93/102  | <b>95</b> /103 | 2      | 27/100 | 26/100 | 1      |  |  |  |  |  |  |

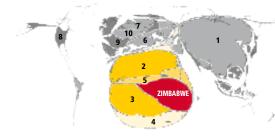


#### DEPTH

|                                                                | Ra      | nk      | Le      | vel    |
|----------------------------------------------------------------|---------|---------|---------|--------|
|                                                                | Outward | Inward  | Outward | Inward |
| Trade                                                          | 98/     | 140     | -       | -      |
| Merchandise Trade (% of GDP)                                   | 93/139  | 87/140  | 19%     | 28%    |
| Services Trade (% of GDP)                                      | 121/140 | 82/140  | 3%      | 8%     |
| Capital                                                        |         |         | -       | -      |
| FDI Stock (% of GDP)                                           | 82/133  | 101/140 | 4%      | 28%    |
| FDI Flows (% of GFCF)                                          | 66/131  | 28/138  | 2%      | 25%    |
| Portfolio Equity Stock (% of Mkt Cap)                          | •       | •       | •       | •      |
| Portfolio Equity Flows (% of Mkt Cap)                          |         |         | ·       |        |
| Information                                                    | 113     | /140    | -       | _      |
| Internet Bandwidth<br>(Bits per Second per Internet User)      | 117     | /140    | 6,3     | 80     |
| International Phone Calls<br>(Minutes per Capita)              | 110/140 | 111/140 | 22      | 55     |
| Printed Publications Trade<br>(USD per Capita)                 | 122/137 | 117/137 | \$0     | \$1    |
| People                                                         | 72/     | 112     | -       | -      |
| Migrants (% of Population)                                     | 75/139  | 84/139  | 5%      | 3%     |
| Tourists (Dep./Arr. per Capita)                                | 71/80   | •       | 0.1     | •      |
| International Students (% of Tertiary<br>Education Enrollment) | 9/126   | 99/116  | 17%     | 0%     |

## **ROOTED MAP**

#### ZIMBABWE'S MERCHANDISE EXPORTS, 2015



#### **Top Export Destinations**

 1. China (28%)
 6. Italy (3%)

 2. Congo, DRC (14%)
 7. Netherlands (3%)

 3. Botswana (13%)
 8. U.S.A. (2%)

 4. South Africa (8%)
 9. France (2%)

 5. Zambia (4%)
 10. Belgium (2%)

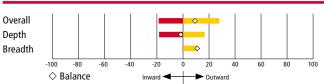
Major Export Products Platinum, cotton, tobacco, gold, ferroalloys, textiles and clothing

| Zimb | abwe's | Share of | f Partner: | s' Impor | ts    |       |         |
|------|--------|----------|------------|----------|-------|-------|---------|
|      | 4%     | 1%       | 0.5%       | 0.1%     | 0.05% | 0.01% | unknown |
|      |        |          |            |          |       |       |         |

#### BREADTH

|                              | Ra      | nk      | % Same  | Region |
|------------------------------|---------|---------|---------|--------|
|                              | Outward | Inward  | Outward | Inward |
| Trade                        | 118     | /140    | -       | -      |
| Merchandise Trade            | 90/139  | 134/138 | 41%     | 67%    |
| Capital                      |         |         | -       | -      |
| FDI Stock                    | 80/88   | •       | 100%    | •      |
| FDI Flows                    | •       | •       | •       | 0%     |
| Portfolio Equity Stock       | •       |         |         | _      |
| Information                  | 83      | /85     |         | -      |
| International Phone Calls    | 79/83   |         | 87%     | 87%    |
| Printed Publications Trade   | 128/137 | 122/137 | 84%     | 56%    |
| People                       | 115     | /123    | -       | -      |
| Migrants                     | 118/139 | 126/136 | 70%     | 95%    |
| Tourists Departures/Arrivals | _       | •       | _       | •      |
| International Students       | _       | 77/93   |         | 94%    |

# DIRECTIONALITY



# STRUCTURAL AND POLICY DRIVERS OF DEPTH OF CONNECTEDNESS

| Structural Factors         |         |         |
|----------------------------|---------|---------|
|                            | Rank    | Level   |
| GDP per Capita (+)         | 124/140 | \$1,064 |
| Linguistic Commonality (+) | 16/140  | 39%     |
| Remoteness (-)             | 16/138  | 7.8     |
| Population (-)             | 62/140  | 15.6    |
| Landlocked (-)             | -       | Yes     |
|                            |         |         |

| General Policies/Environment |         |       |  |  |  |  |  |  |  |  |
|------------------------------|---------|-------|--|--|--|--|--|--|--|--|
|                              | Rank    | Level |  |  |  |  |  |  |  |  |
| Operating Environment (+)    | 122/129 | 3.3   |  |  |  |  |  |  |  |  |
| Infrastructure (+)           | 103/128 | 3.0   |  |  |  |  |  |  |  |  |
| Press Freedom (+)            | 102/137 | 59    |  |  |  |  |  |  |  |  |
| Labor Freedom (+)            | 140/140 | 24    |  |  |  |  |  |  |  |  |
| Financial Freedom (+)        | 136/136 | 10    |  |  |  |  |  |  |  |  |

| Rank           | Level   |
|----------------|---------|
| 125/128        | 2.9     |
| •              | •       |
| <b>91</b> /134 | 0.2     |
| 100/140        | 58      |
| 64/127         | 24      |
|                | 125/128 |

- Not Applicable

# APPENDIX A HISTORICAL AND PILLAR LEVEL SCORES AND RANKS

# TABLE A.1 // GLOBAL CONNECTEDNESS SCORES AND RANKS, 2005–2015

|                           | Global Connectedness Score (0–100) |                 |                 |                 |                 |                 |                 |          |                 | Global Connectedness Rank (out of 140 countries) |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|---------------------------|------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------|-----------------|--------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Country Year              | 2005                               | <b>'</b> 06     | <b>′</b> 07     | <b>'08</b>      | <b>'</b> 09     | <b>′10</b>      | ′11             | ′12      | ,<br>/13        | <b>′</b> 14                                      | <b>′15</b>      | 2005            | <b>'</b> 06     | <b>′</b> 07     | <b>'08</b>      | <b>'</b> 09     | '10             | '11             | <b>′12</b>      | <b>′13</b>      | ,<br>/14        | <b>′15</b>      |
| Albania                   | 20                                 | 22              | 25              | 28              | 30              | 31              | 32              | 32       | 34              | 36                                               | 38              | 126             | 125             | 123             | 120             | 112             | 112             | 110             | 113             | 106             | 104             | 100             |
| Angola                    | 46                                 | 42              | 41              | 41              | 43              | 38              | 38              | 39       | 38              | 38                                               | 39              | 56              | 73              | 76              | 80              | 70              | 90              | 91              | 90              | 95              | 99              | 97              |
| Argentina                 | 34                                 | 39              | 38              | 37              | 36              | 35              | 34              | 35       | 36              | 36                                               | 37              | 90              | 82              | 86              | 91              | 92              | 100             | 105             | 102             | 100             | 101             | 102             |
| Armenia                   | 37                                 | 34              | _34             | 36              | 39              | 41              | 43              | 42       | 43              | 44                                               | 42              | 84              | 97              | 96              | 95              | 84              | 82              | 79              | 86              | 83              | 84              | 91              |
| Australia                 | 57                                 | 58              | 60              | 63              | 64              | 65              | 64              | 64       | 63              | 63                                               | 62              | 33              | 34              | 33              | 25              | 24              |                 | 26              | 27              | 28              | 30              | 34              |
| Austria                   | 69                                 | 70              |                 | 67              | 64              | 65              | 67              | 66       | 68              | 67                                               | 68              |                 | 16              | 15              |                 | 23              | 23              | 22              | 23              | 20              |                 | 20              |
| Azerbaijan                | 39                                 | <u>34</u><br>43 | <u>32</u><br>42 | <u>38</u><br>42 | 37              | <u>36</u><br>40 | 38<br>44        | 43       | 41 47           | 45                                               | 41<br>49        | <u>79</u><br>80 | 99<br>71        | 105<br>75       | 89<br>76        | 91<br>80        | 96<br>84        | <u>92</u><br>75 | 82              | 87<br>68        | 74<br>64        | <u>92</u><br>65 |
| Bahamas, The<br>Bahrain   | <u> </u>                           | 43              | 42<br>60        | <br>61          | <br>            | 40<br>56        | <br>55          | <br>54   | 47              | 48<br>63                                         | <br>            | 28              | 26              | <u>75</u><br>35 | 29              | 35              | 40              | 44              | 47              | 53              | 29              | 40              |
| Bangladesh                | 30                                 | 32              | 33              | 26              | 26              | 27              | 30              | 29       | 30              | 31                                               | 31              | 106             | 102             | 102             | 124             | 120             | 119             | 117             | 122             | 119             | 120             | 118             |
| Barbados                  | 41                                 | 41              | 40              | 40              | 41              | 41              | 45              | 43       | 46              | 43                                               | 45              | 74              | 76              | 80              | 83              | 79              | 80              | 69              | 81              | 73              | 88              | 76              |
| Belarus                   | 28                                 | 29              | 30              | 30              | 31              | 32              | 35              | 36       | 36              | 35                                               | 36              | 114             | 115             | 115             | 113             | 108             | 106             | 101             | 100             | 98              | 106             | 104             |
| Belgium                   | 81                                 | 82              | 83              | 81              | 80              | 79              | 78              | 80       | 81              | 80                                               | 81              | 5               | 5               | 4               | 6               | 5               | 6               | 7               | 6               | 5               | 6               | 6               |
| Benin                     | 10                                 | 13              | 18              | 21              | 19              | 20              | 22              | 21       | 28              | 33                                               | 29              | 136             | 136             | 133             | 131             | 134             | 133             | 132             | 132             | 123             | 115             | 121             |
| Bolivia                   | 26                                 | 25              | 28              | 28              | 24              | 27              | 29              | 31       | 32              | 34                                               | 32              | 118             | 119             | 118             | 119             | 124             | 121             | 122             | 116             | 115             | 108             | 116             |
| Bosnia & Herzegovina      | 30                                 | 30              | 32              | 32              | 30              | 32              | 34              | 35       | 35              | 35                                               | 35              | 108             | 112             | 107             | 106             | 110             | 107             | 104             | 104             | 103             | 105             | 110             |
| Botswana                  | 24                                 | 24              | _27             | 28              | 30              | 28              | 29              | 30       | 33              | 32                                               | 32              | 119             | 121             | 121             | 118             | 111             | 117             | 121             | 117             | 111             | 117             | 117             |
| Brazil                    | 46                                 |                 | 46              | _47             | 46              |                 | 48              | 49       | 48              | 50                                               | 51              | 55              | 57              | 64              | 61              | 59              | 60              | 62              | 60              | 63              | 59              | 57              |
| Brunei Darussalam         | 34                                 | 34              | 33              | 33              |                 | 38              | 37              | 36       | 40              | 42                                               | 43              | 93              | 100             | 101             | 102             | 90              | 89              | 95              | 98              | 90              | 91              | 83              |
| Bulgaria<br>Burkina Eaco  | <u>55</u><br>8                     | <u>58</u><br>8  | 57<br>13        | 59<br>16        | 58<br>14        | 58<br>16        | 58              | 58<br>19 | 61<br>22        | 62                                               | <u>63</u><br>17 | 37              | 33<br>139       | 36              | 34              | 33<br>138       | 35              | 38              | 35<br>133       | 32<br>131       | 31              | 32<br>135       |
| Burkina Faso<br>Burundi   | <u> </u>                           | <u> </u>        | <u>13</u><br>6  | <u></u> 9       | 14<br>10        | <u>16</u><br>8  | <u>20</u><br>8  | 19       | 9               | 20<br>9                                          | -17<br>         | 138             | 139             | 135<br>140      | 135<br>140      | 138             | 138<br>140      | 135<br>140      | 133<br>140      | 131<br>140      | 134<br>140      | 135             |
| Cambodia                  |                                    | 41              | 40              | 41              | 40              | 43              | 47              | 49       | 53              | 55                                               | 8<br>56         | <br>78          | <br>77          | 81              | 82              | 82              | 70              | 65              | 58              | 49              | 48              | 44              |
| Cameroon                  | 23                                 | 22              | 24              | 29              | 25              | 20              | 22              | 23       | 23              | 27                                               | 26              | 120             | 126             | 124             | 116             | 123             | 131             | 133             | 129             | 130             | 126             | 127             |
| Canada                    | 59                                 | 61              | 61              | 61              | 61              | 62              | 62              | 62       | 62              | 62                                               | 64              | 31              | 28              | 29              | 31              | 27              | 26              | 30              | 29              | 30              | 33              | 30              |
| Chile                     | 52                                 | 51              | 53              | 57              | 54              | 54              | 54              | 53       | 53              | 55                                               | 54              | 41              | 46              | 46              | 40              | 42              | 46              | 48              | 51              | 50              | 47              | 53              |
| China                     | 46                                 | 47              | 47              | 47              | 45              | 48              | 48              | 48       | 48              | 49                                               | 48              | 57              | 58              | 58              | 60              | 62              | 58              | 59              | 63              | 65              | 61              | 68              |
| Colombia                  | 31                                 | 33              | 34              | 32              | 33              | 34              | 37              | 37       | 38              | 40                                               | 42              | 104             | 101             | 95              | 103             | 101             | 104             | 96              | 96              | 93              | 94              | 88              |
| Congo, Republic           | 36                                 | 36              | 38              | 37              | 42              | 46              | 46              | 47       | 49              | 47                                               | 49              | 86              | 91              | 89              | 92              | 74              | 66              | 67              | 67              | 57              | 69              | 66              |
| Costa Rica                | 41                                 | 42              | 49              | _46             | _42             | 39              | 40              | 42       | 46              | _44                                              | 42              | 71              | 72              | 55              | 64              | 72              | _86             | 86              | 84              | 74              | 83              | 87              |
| Cote d'Ivoire             | 29                                 | 30              | 31              | 34              | 35              | 36              | 35              | 39       | 35              | 34                                               | 35              | 112             | 114             | 109             | _99             | _95             | 97              | 99              | 91              | 104             | 109             | 109             |
| Croatia                   | 45                                 | 49              | 50              | 49              | 46              | _45             | 46              | 46       | 44              | 46                                               | _47             | 60              | 53              |                 | 53              | 58              | 68              | 66              | 75              | 79              |                 | 70              |
| Cyprus                    |                                    | 53              | 53              | <u>57</u><br>60 | 54              | 57              | 60              | 58       | 50              | 53                                               | <u>55</u><br>66 | 42              | 42              | 45              | 37              | 41              | <u>38</u><br>28 | 34              | 37              | 54              | 54              | 50              |
| Czech Republic<br>Denmark | <u>60</u><br>72                    | 61<br>73        | 63<br>75        | <br>            | 61<br>73        | 61<br>72        | 61<br>74        | 61<br>73 | 62<br>74        | 65<br>73                                         | <br>74          | <u>26</u><br>10 | <u>27</u><br>12 | 27              | <u>32</u><br>10 | 28<br>10        | <br>            | 32              | <u>30</u><br>11 | 29<br>9         | <u>27</u><br>9  | 24              |
| Dominican Republic        | 29                                 | 32              | 34              | 33              | 27              | 30              | 32              | 32       | 32              | 33                                               | 33              | 113             | 103             | 99              | 101             | 119             | 113             | 113             | 114             | 116             | 114             | 112             |
| Ecuador                   | 29                                 | 30              | 31              | 31              | 28              | 31              | 32              | 34       | 33              | 34                                               | 36              | 111             | 111             | 110             | 101             | 115             | 110             | 109             | 106             | 109             | 114             | 107             |
| Egypt, Arab Republic      | 37                                 | 40              | 38              | 42              | 42              | 39              | 38              | 38       | 35              | 34                                               | 33              |                 | 80              | 87              | 78              | 75              | 87              | 90              | 94              | 102             | 111             | 114             |
| El Salvador               | 22                                 | 23              | 24              | 26              | 22              | 23              | 25              | 26       | 28              | 27                                               | 28              | 121             | 122             | 125             | 123             | 128             | 127             | 127             | 126             | 122             | 125             | 123             |
| Estonia                   | 53                                 | 54              | 55              | 55              | 53              | 55              | 61              | 57       | 56              | 58                                               | 57              | 39              | 41              | 41              | 43              | 44              | 43              | 33              | 39              | 42              | 41              | 43              |
| Ethiopia                  | 41                                 | 36              | 36              | 35              | 32              | 37              | 39              | 35       | 37              | 36                                               | 36              | 72              | 89              | 92              | 97              | 104             | 92              | 88              | 105             | 96              | 103             | 106             |
| Fiji                      | 34                                 | 34              | 34              | 36              | 34              | 37              | 37              | 38       | 38              | 44                                               | 46              | 89              | 98              | 98              | 94              | 97              | 93              | 93              | 92              | 94              | 79              | 74              |
| Finland                   | 64                                 | 70              | 71              | 69              | 66              | 65              | 66              | 66       | 64              | 66                                               | 64              | 19              | 17              | 14              | 15              | 20              | 21              | 24              | 24              | 26              | 23              | 28              |
| France                    | 70                                 | 72              | 73              |                 |                 | 70              | 69              | 70       | 71              | 71                                               | 70              | 13              | 14              | 13              | 12              | 13              | 14              | 14              | 17              | 12              | 14              | 14              |
| Gambia, The               | 30                                 | 35              | 36              | 34              | 34              | 35              | 35              | 36       | 35              | 39                                               | 38              | 107             | 95              | 93              | 100             | 98              | 102             | 103             | 101             | 101             | 95              | 101             |
| Georgia                   | 33                                 | 41              | 45              | 47              | 43<br>71        | 48              | 45<br>75        | 50<br>74 | 49              | 51                                               | 51              |                 | 78              | <u>68</u><br>9  | 62              | 69<br>12        | 57<br>12        | 68              | 8               | <u>61</u><br>8  | 58<br>8         | <u>56</u><br>7  |
| Germany<br>Ghana          | <u>73</u><br>41                    | 41              | 77<br>41        | 73<br>42        | 44              | 71<br>46        | 48              | 48       | 74<br>44        | 74<br>44                                         | 75<br>44        | 9<br>73         | 9<br>75         |                 | <br>75          | 64              | 65              | 10<br>60        | 62              | 80              | 82              | 79              |
| Greece                    | 55                                 | 56              | 57              | 55              | 50              | 50              | 52              | 50       | 50              | 54                                               | 55              | 35              | 37              | 38              | 42              | 50              | 51              | 51              | 56              | 55              | 51              | 49              |
| Guatemala                 | 29                                 | 28              | 31              | 28              | 26              | 28              | 29              | 30       | 31              | 32                                               | 33              | 110             | 116             | 112             | 121             | 121             | 116             | 120             | 120             | 118             | 118             | 111             |
| Guinea                    | 32                                 | 35              | 32              | 32              | 27              | 31              | 35              | 35       | 31              | 30                                               | 30              | 101             | 96              | 103             | 105             | 118             | 111             | 100             | 103             | 117             | 121             | 120             |
| Guyana                    | 44                                 | 47              | 45              | 43              | 42              | 42              | 43              | 48       | 44              | 46                                               | 47              | 68              | 56              | 67              | 71              | 76              | 77              | 80              | 65              | 78              | 71              | 69              |
| Honduras                  | 41                                 | 39              | 41              | 40              | 39              | 42              | 43              | 46       | 47              | 48                                               | 50              | 75              | 81              | 78              | 84              | 87              | 75              | 77              | 74              | 70              | 65              | 62              |
| Hong Kong SAR (China)     | 70                                 | 69              | 69              | 69              | 68              | 69              | 69              | 70       | 70              | 70                                               | 69              | 14              | 19              | 18              | 17              | 15              | 15              | 16              | 15              | 17              | 17              | 17              |
| Hungary                   | 68                                 | 73              | 69              | 70              | 70              | 71              | 69              | 70       | 71              | 71                                               | 72              | 16              | 13              | 16              | 14              | 14              | 13              | 15              | 14              | 11              | 15              | 12              |
| Iceland                   | 66                                 | 71              | 69              | 68              | 68              | 66              | 67              | 68       | 67              | 66                                               | 65              | 18              | 15              | 19              | 18              | 16              | 20              | 20              | 19              | 23              | 25              | 26              |
| India                     | 45                                 | 45              | 44              | 48              | _45             | 46              | 48              | 48       | 46              | _45                                              | 45              | 62              | 65              | 69              | 56              | 60              | 62              | 61              | 64              | 75              | 73              | 78              |
| Indonesia                 | 33                                 | 32              | 32              | 31              | 32              | 32              | 31              | 32       | 34              | 35                                               | 35              | 98              | 106             | 108             | 108             | 106             | 108             | 114             | 111             | 105             | 107             | 108             |
| Iran, Islamic Republic    | 31                                 | 31              | 30              | 30              | 29              | 26              | 23              | 18       | 19              | 18                                               | 18              | 103             | 107             | 114             | 112             | 113             | 123             | 129             | 137             | 137             | 136             | 133             |
| Ireland                   | 69                                 | 83<br>69        | 83              | <u>82</u><br>69 | <br>            | 82              | 82<br>68        | 82<br>70 | 82              | 83<br>70                                         | 84              | 4               | 4               | 5<br>17         | 4               | 6               | 3<br>16         | 4               | 4               | 4               | 3               | 3<br>15         |
| Israel<br>Italy           | <u>68</u><br>64                    | <u>69</u><br>65 | 69<br>65        | <u>69</u><br>62 | <u>66</u><br>60 | <u>68</u><br>60 | <u>68</u><br>65 | <br>65   | <u>69</u><br>65 | <br>65                                           | <br>66          | <u>17</u><br>20 | <u>18</u><br>21 | 23              | <u>16</u><br>27 | <u>18</u><br>32 | <u>16</u><br>31 | <br>            | <u>16</u><br>25 | <u>18</u><br>24 | <u>16</u><br>26 | 25              |
| Italy<br>Jamaica          | 43                                 | 44              | 44              | 42              | 39              | <u>60</u><br>37 | 35              | 38       | <u>65</u><br>34 | 38                                               | 43              | <u></u><br>69   | 66              | <u></u><br>70   | 79              | <u>32</u><br>85 | <br>91          | 102             | 93              | 107             | <br>            | <br>85          |
| Japan                     | <u>45</u><br>52                    | <br>54          | <br>56          | <br>54          | 53              | 54              | 55              | 55       | 57              | 57                                               | 43<br>59        | 40              | 40              | 39              | 44              | 45              | 45              | 43              | 43              | 39              | 42              | 38              |
| Jordan                    | 50                                 | 50              | 50              | 51              | 50              | 50              | 49              | 48       | 49              | 51                                               | 50              | 40              | 40              | 52              | <br>50          | 53              | <br>52          | <br>58          | 61              | 60              | 57              | 58              |
| Kazakhstan                | 48                                 | 49              | 54              | 53              | 51              | 52              | 54              | 54       | 54              | 54                                               | 50              | 45              | 54              | 42              | 46              | 48              | 47              | 46              | 44              | 47              | 50              | 60              |
| Kenya                     | 34                                 | 30              | 32              | 30              | 31              | 32              | 34              | 37       | 36              | 39                                               | 36              | 91              | 109             | 106             | 110             | 107             | 109             | 106             | 97              | 99              | 96              | 105             |
| Korea, Republic           | 59                                 | 59              | 61              | 65              | 65              | 67              | 70              | 71       | 71              | 71                                               | 69              | 32              | 30              | 30              | 23              | 21              | 18              | 13              | 13              | 13              | 13              | 18              |
| Kuwait                    | 45                                 | 44              | 45              | 51              | 52              | 52              | 52              | 53       | 52              | 51                                               | 52              | 59              | 67              | 66              | 51              | 46              | 48              | 52              | 49              | 52              | 56              | 55              |
| Kyrgyz Republic           | 29                                 | 30              | 30              | 32              | 30              | 26              | 26              | 27       | 30              | 28                                               | 28              | 109             | 110             | 113             | 104             | 109             | 124             | 124             | 123             | 120             | 124             | 124             |
|                           |                                    |                 |                 |                 |                 |                 | 1               |          |                 |                                                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |

|                              |                 | Global Connectedness Score (0–100) |                 |          |                 |                 |                 |                 |                 |             |            | Global Connectedness Rank (out of 140 countries) |             |             |            |             |            |            |            |            |            |            |
|------------------------------|-----------------|------------------------------------|-----------------|----------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|------------|--------------------------------------------------|-------------|-------------|------------|-------------|------------|------------|------------|------------|------------|------------|
| Country Year                 | 2005            | <b>'</b> 06                        | <b>′</b> 07     | '08      | <b>'</b> 09     | <b>′10</b>      | '11             | '12             | ,<br>/13        | <b>′</b> 14 | <b>′15</b> | 2005                                             | <b>'</b> 06 | <b>'</b> 07 | <b>'08</b> | <b>'</b> 09 | '10        | ′11        | '12        | '13        | ·<br>/14   | <b>′15</b> |
| Lao PDR                      | 21              | 21                                 | 21              | 20       | 20              | 22              | 23              | 23              | 21              | 24          | 24         | 124                                              | 127         | 129         | 132        | 131         | 129        | 130        | 130        | 132        | 129        | 128        |
| Latvia                       | 47              | 49                                 | 49              | 46       | 43              | 48              | 50              | 53              | 55              | 55          | 55         | 52                                               | 51          | 54          | 66         | 68          | 56         | 53         | 50         | 45         | 46         | 48         |
| Lebanon                      | 55              | _56                                | _57             | 57       | 55              | _58             | 57              | _54             | _56             | 53          | _54        | 38                                               | 38          | 37          | 38         | 39          | 36         | 40         | 46         | _43        | _52        | 51         |
| Lithuania                    | 47              | 49                                 | 50              |          | 47              | 49              | 50              | 51              | 53              |             | 54         |                                                  | 50          | 53          | 52         |             | 53         | 55         | 53         |            |            | 52         |
| Luxembourg                   | 85              | 87                                 | 86              | 85       | 82              | 82              | 82              | 82              | 81              | 80          | 83         | 2                                                | 2           | 2           | 2          | 3           | 4          | 3          | 5          | 6          | 5          | 5          |
| Macau SAR (China)            | 47              | 50<br>37                           | 50              | 46       | 43              | 42              | 39              | 38              | 40              | 44          | 46         | 54                                               | 48          | 51          | 63         | 71          | 76         | 89         | 95         | 91         | 81         | 73<br>77   |
| Macedonia, FYR<br>Madagascar | <u>34</u><br>27 | 37                                 | 38<br>33        | 42       | 40<br>34        | 43<br>35        | <u>43</u><br>32 | 44              | 42              | 43<br>36    | 45<br>39   | <u>95</u><br>116                                 | 88<br>108   | 85<br>100   | 72<br>96   | 83<br>100   | 72         | 81<br>112  | 78<br>110  | 86<br>108  | 87<br>102  | 98         |
| Malaysia                     | 64              | 66                                 | 67              | 66       | 66              | 67              | 67              | 67              | 67              | 68          | 68         | 22                                               | 20          | 20          | 21         | 100         | 19         | 112        | 22         | 22         | 21         | 19         |
| Mali                         | 18              | 20                                 | 21              | 21       | 20              | 21              | 18              | 19              | 20              | 18          | 15         | 131                                              | 130         | 130         | 129        | 130         | 130        | 138        | 134        | 135        | 135        | 138        |
| Malta                        | 70              | 74                                 | 74              | 76       | 76              | 75              | 75              | 72              | 70              | 72          | 71         | 12                                               | 10          | 12          | 9          | 8           | 8          | 8          | 12         | 15         | 12         | 13         |
| Mauritius                    | 44              | 46                                 | 47              | 47       | 51              | 55              | 54              | 55              | 54              | 55          | 57         | 63                                               | 61          | 60          | 58         | 49          | 41         | 45         | 42         | 46         | 45         | 41         |
| Mexico                       | 34              | 37                                 | 39              | 39       | 39              | 41              | 41              | 42              | 44              | 46          | 49         | 92                                               | 87          | 84          | 88         | 86          | 79         | 85         | 87         | 81         | 70         | 64         |
| Moldova                      | 37              | 37                                 | 40              | 41       | 40              | 41              | 42              | 42              | 43              | 44          | 43         | 82                                               | 85          | 82          | 81         | 81          | 81         | 84         | 85         | 82         | 77         | 84         |
| Mongolia                     | 34              | 30                                 | 28              | 30       | 33              | 40              | 44              | 43              | 41              | 43          | 40         | 96                                               | 113         | 117         | 111        | 102         | 85         | 73         | 83         | 88         | 89         | _94        |
| Montenegro                   | 31              | 36                                 | 38              | 39       | 36              | 36              | 36              | 36              | 36              | 37          | 39         | 105                                              | 90          | 88          | 87         | 94          | 98         | 97         | 99         | 97         | 100        | 96         |
| Morocco                      | 37              | 38                                 | 43              | 45       | 44              | 44              | 45              | 44              | 42              |             | 43         | 85                                               | 84          | 72          | 69         | 67          | 69         | 71         | 77         | 84         | 80         | 82         |
| Mozambique                   | 14              | 16                                 | 15              | 16       |                 | 20              | 26              | 30              | 28              | 33          | 33         | 132                                              | 133         | 134         | 136        | 132         | 132        | 125        | 119        | 125        | 113        | 113        |
| Myanmar<br>Namibia           | <u>13</u><br>32 | <u>14</u><br>32                    | <u>12</u><br>32 | 10<br>35 | <u>8</u><br>35  | <u>12</u><br>35 | 13<br>34        | <u>14</u><br>32 | <u>16</u><br>32 | 15<br>33    | 16<br>31   | 134<br>100                                       | 135<br>104  | 136<br>104  | 139<br>98  | 140<br>96   | 139<br>101 | 139<br>108 | 138<br>112 | 138<br>114 | 138<br>112 | 137<br>119 |
| Nepal                        | 12              | 12                                 | 12              | 13       | <br>19          | 17              | 18              | 18              | 20              | 21          | 20         | 135                                              | 104         | 137         | 137        | 133         | 137        | 136        | 136        | 114        | 133        | 132        |
| Netherlands                  | 89              | 90                                 | 90              | 89       | 88              | 89              | 90              | 90              | 91              | 91          | 91         | 135                                              | 137         | 137         | 137        | 133         | 137        | 130        | 130        | 134        | 135        | 132        |
| New Zealand                  | 59              | 59                                 | 60              | 60       | 62              | 60              | 63              | 61              | 62              | 62          | 64         | 30                                               | 32          | 31          | 33         | 26          | 30         | 28         | 31         | 31         | 32         | 29         |
| Nicaragua                    | 34              | 37                                 | 37              | 39       | 36              | 41              | 43              | 46              | 46              | 44          | 42         | 94                                               | 86          | 91          | 86         | 93          | 83         | 78         | 73         | 71         | 78         | 90         |
| Niger                        | 13              | 16                                 | 10              | 19       | 22              | 24              | 23              | 21              | 21              | 22          | 20         | 133                                              | 132         | 139         | 134        | 129         | 126        | 131        | 131        | 133        | 132        | 131        |
| Nigeria                      | 45              | 43                                 | 39              | 42       | 42              | 42              | 47              | 48              | 47              | 44          | 40         | 61                                               | 69          | 83          | 77         | 73          | 73         | 64         | 66         | 67         | 85         | 95         |
| Norway                       | 72              | 73                                 | _74             | 71       | 72              | 72              | 73              | 73              | 70              | 69          | 69         | 11                                               | 11          | 11          | 13         | 11          | 11         | 12         | 10         | 16         | 18         | 16         |
| Oman                         | 40              | 42                                 | _46             | 44       | _45             | _45             | 50              | _50             | 48              |             | _56        | 76                                               | 74          | 62          | 70         | 61          | 67         | 56         | _54        | 64         | 63         | 46         |
| Pakistan                     | 34              | 35                                 | 36              | 36       | 34              | 35              | 34              | 33              | 38              | 39          | 39         | 97                                               | 93          | 94          | 93         | 99          | 103        | 107        | 107        | 92         | 97         | 99         |
| Panama                       | 40              | 45                                 | 47              | 49       | 44              | 48              | 53              | 51              | 57              | 59          | 57         | 77                                               | 63          | 59          | 54         | 63          | 54         | 49         | 52         | 41         | 40         | 42         |
| Paraguay                     | 20              | 22<br>46                           | 22<br>48        | 25<br>47 | 23<br>46        | 27<br>48        | 27<br>50        | 30<br>49        | 29<br>49        | 29          | 32         | 125                                              | 124<br>62   | 128<br>56   | 128        | 127<br>56   | 120<br>55  | 123<br>54  | 121<br>57  | 121        | 122        | 115<br>61  |
| Peru<br>Philippines          | <u>44</u><br>52 | <br>52                             | <br>51          | 47       | 40              | 46              | 48              | 49              | <br>50          | 49<br>51    | 50<br>50   | <u>65</u><br>43                                  | 45          | 49          | 59<br>57   | 55          | 63         | 63         | 68         | 59<br>56   | 60<br>55   | 59         |
| Poland                       | 51              | 55                                 | 55              | 56       | 54              | 55              | 56              | 57              | 58              | 59          | 60         | 43                                               | 39          | 49          | 41         | 40          | 42         | 41         | 40         | 37         | 39         | 37         |
| Portugal                     | 60              | 64                                 | 64              | 64       | 60              | 59              | 59              | 56              | 57              | 60          | 63         | 25                                               | 23          | 24          | 24         | 30          | 32         | 36         | 41         | 38         | 36         | 31         |
| Qatar                        | 49              | 52                                 | 53              | 52       | 53              | 54              | 57              | 58              | 59              | 60          | 61         | 46                                               | 44          | 44          | 47         | 43          | 44         | 39         | 36         | 35         | 37         | 35         |
| Romania                      | 44              | 46                                 | 44              | 45       | 44              | 43              | 44              | 46              | 47              | 47          | 46         | 66                                               | 60          | 71          | 67         | 66          | 71         | 74         | 71         | 69         | 66         | 72         |
| Russian Federation           | 48              | 49                                 | 45              | 45       | 46              | 46              | 44              | 44              | 49              | 47          | 48         | 51                                               | 52          | 65          | 68         | 57          | 64         | 72         | 79         | 58         | 67         | 67         |
| Rwanda                       | 9               | 9                                  | 11              | 13       | 15              | 18              | 22              | 19              | 19              | 18          | 17         | 137                                              | 138         | 138         | 138        | 137         | 135        | 134        | 135        | 136        | 137        | 136        |
| Saudi Arabia                 | 48              | _50                                | _54             | _54      | 55              | 59              | _59             | _59             | _59             | 59          | 59         | 50                                               | _47         | _43         | _45        | 38          | 33         | 37         | _34        | 36         | 38         | 39         |
| Senegal                      | 21              | _23                                | _24             | _27      | _27             | 28              | 30              | 31              | 33              | 33          | 37         | 123                                              | 123         | 126         | 122        | 117         | 115        | 116        | 115        | 113        | 116        | 103        |
| Serbia                       | 37              | 39                                 | 42              | 42       | 41              | 42              | 42              | 44              | 45              | 44          | 46         |                                                  | 83          |             |            |             |            | 83         | 80         |            |            |            |
| Singapore<br>Slovak Republic | 84              | 85<br>59                           | <u>85</u><br>63 | 84<br>61 | <u>83</u><br>58 | 84<br>56        | 84<br>55        | <u>85</u><br>58 | 85<br>57        | 86<br>57    | 87<br>56   | <u> </u>                                         | 3<br>31     | 3<br>26     | 3<br>30    | 2<br>34     | 2<br>39    | 2<br>42    | 2<br>38    | 2<br>40    | 2<br>43    | 2<br>45    |
| Slovak Republic              | <u>60</u><br>55 | <br>57                             | 60              | 58       | <u>58</u><br>57 | 58              | <u> </u>        | <u>58</u><br>60 | 60              | <br>61      | 63         | 36                                               | 31          | 32          | 30         | 34          | 39         | 42<br>35   | 38         | <br>       | 43<br>34   | 33         |
| South Africa                 | 49              | 52                                 | 52              | 57       | 52              | 50              | 54              | 54              | 55              | 55          | 55         | 47                                               | 43          | 47          | 39         | 47          | 50         | 47         | 45         | 44         | 44         | 47         |
| Spain                        | 61              | 63                                 | 63              | 62       | 60              | 60              | 62              | 63              | 65              | 66          | 67         | 24                                               | 25          | 25          | 26         | 29          | 29         | 29         | 28         | 25         | 24         | 23         |
| Sri Lanka                    | 44              | 44                                 | 42              | 39       | 37              | 38              | 40              | 41              | 42              | 43          | 43         | 67                                               | 68          | 73          | 85         | 89          | 88         | 87         | 88         | 85         | 86         | 86         |
| Suriname                     |                 | 32                                 | 31              | 30       | 27              | 26              | 32              | 33              | 33              | 42          | 42         | <u> </u>                                         | 105         | 111         | 114        | 116         | 122        | 111        | 109        | 112        | 92         | 89         |
| Sweden                       | 75              | 77                                 | 78              | 78       | 76              | 75              | 75              | 74              | 73              | 73          | 73         | 8                                                | 8           | 7           | 7          | 9           | 9          | 9          | 9          | 10         | 10         | 11         |
| Switzerland                  | 77              | 80                                 | 81              | 81       | 80              | 79              | 79              | 84              | 83              | 82          | 83         | 7                                                | 6           | 6           | 5          | 4           | 5          | 6          | 3          | 3          | 4          | 4          |
| Taiwan (China)               | 64              | 65                                 | 65              | 67       | 65              | 68              | 68              | 68              | 68              | 68          | 68         | 21                                               | 22          | 21          | 20         | 22          | 17         | 18         | 20         | 19         | 19         | 21         |
| Tanzania                     | 32              | 35                                 | 34              | 31       | 32              | 33              | 36              | 33              | 28              | 28          | _26        | 102                                              | 94          | _97         | 107        | 105         | 105        | 98         | 108        | 124        | 123        | 126        |
| Thailand                     | 57              | 58                                 | 60              | 58       | 60              | 62              | 67              | 68              | 68              | 68          | 67         | 34                                               | 35          | 34          | 35         | 31          | _27        | 21         | 21         | 21         | 20         |            |
| Togo                         | 28              | 27                                 | 27              | 26       | 33              | 36              | 43              | 45              | 46              | 43          | 41         | 115                                              | 118         | 122         | 125        | 103         | 95         | 82         | 76         | 72         | 90         | 93         |
| Trinidad and Tobago          | 45              | 47                                 | 46              | 51<br>46 | 50<br>44        | 47<br>46        | 50<br>45        | 49<br>47        | 48 46           | 49<br>45    | 46         | 58                                               | 59<br>70    | 61<br>63    | 49<br>65   | 51<br>65    | 59<br>61   | 57<br>70   | 59<br>69   | 62<br>76   | 62<br>75   | 75<br>80   |
| Tunisia<br>Turkey            | 42              | 43                                 | 46              | 46       | <br>50          | 46<br>51        | 45<br>52        | 47<br>53        | <br>53          | 45<br>54    | <br>53     | <br>64                                           | 64          | 57          | 55         | 52          | 49         | 50         | 48         | 48         | 49         | <br>54     |
| Uganda                       | 18              | 20                                 | 23              | 26       | 24              | 23              | 25              | 26              | 25              | 24          | 24         | 130                                              | 128         | 127         | 126        | 126         | 128        | 126        | 127        | 128        | 128        | 129        |
| Ukraine                      | 35              | 36                                 | 38              | 42       | 41              | 42              | 44              | 46              | 48              | 47          | 49         | 87                                               | 92          | 90          | 73         | 78          | 74         | 76         | 72         | 66         | 68         | 63         |
| United Arab Emirates         | 62              | 63                                 | 65              | 66       | 66              | 65              | 66              | 68              | 70              | 72          | 74         | 23                                               | 24          | 22          | 22         | 17          | 22         | 23         | 18         | 14         | 11         | 10         |
| United Kingdom               | 77              | 78                                 | 78              | 77       | 78              | 78              | 79              | 79              | 78              | 76          | 75         | 6                                                | 7           | 8           | 8          | 7           | 7          | 5          | 7          | 7          | 7          | 8          |
| United States                | 59              | 60                                 | 62              | 62       | 63              | 63              | 64              | 64              | 64              | 64          | 64         | 29                                               | 29          | 28          | 28         | 25          | 25         | 27         | 26         | 27         | 28         | 27         |
| Uruguay                      | 35              | 40                                 | 41              | 38       | 38              | 36              | 37              | 40              | 41              | 41          | 43         | 88                                               | 79          | 79          | 90         | 88          | 94         | 94         | 89         | 89         | 93         | 81         |
| Uzbekistan                   | 19              | 17                                 | 19              | 21       | 16              | 17              | 18              | 14              | 14              | 13          | 13         | 128                                              | 131         | 132         | 130        | 136         | 136        | 137        | 139        | 139        | 139        | 139        |
| Venezuela, RB                | 27              | 27                                 | 27              | 25       | 26              | 25              | 31              | 30              | 33              | 31          | 27         | 117                                              | 117         | 119         | 127        | 122         | 125        | 115        | 118        | 110        | 119        | 125        |
| Vietnam                      | 48              | 48                                 | 51              | 51       | 56              | 59              | 61              | 60              | 60              | 60          | 60         | 49                                               | 55          | 48          | 48         | 37          | 34         | 31         | 32         | 33         | 35         | 36         |
| Yemen, Republic              | 19              | 25                                 | 29              | 28       | 29              | 28              | 29              | _25             | 27              | 24          | 18         | 127                                              | 120         | 116         | 117        | 114         | 114        | 118        | 128        | 126        | 131        | 134        |
| Zambia                       | 18              | 15                                 | 20              | 19       | 18              | 20              | 24              | 27              | 26              | 27          | 28         | 129                                              | 134         | 131         | 133        | 135         | 134        | 128        | 124        | 127        | 127        | 122        |
| Zimbabwe                     | 22              | 20                                 | 27              | 29       | 24              | 27              | 29              | 26              | 24              | 24          | 23         | 122                                              | 129         | 120         | 115        | 125         | 118        | 119        | 125        | 129        | 130        | 130        |

# TABLE A.2 // DEPTH SCORES AND RANKS, 2005–2015

|                               | Depth Score (0–50) |                 |                |                 |                 |                 |                 |                 | Depth Rank (out of 140 countries) |                 |                 |                  |                 |                  |                  |                  |                |                  |                  |                 |                 |                  |
|-------------------------------|--------------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------------------|-----------------|-----------------|------------------|-----------------|------------------|------------------|------------------|----------------|------------------|------------------|-----------------|-----------------|------------------|
| Country Year                  | 2005               | <b>'</b> 06     | '07            | '08             | '09             | '10             | '11             | '12             | '13                               | '14             | <b>'15</b>      | 2005             | <b>'</b> 06     | '07              | '08              | <b>'</b> 09      | '10            | '11              | '12              | '13             | '14             | <b>'15</b>       |
| Albania                       | 16                 | 18              | 21             | 22              | 24              | 25              | 28              | 28              | 29                                | 29              | 29              | 88               | 85              | 79               | _77              | 71               | 66             | 59               | 64               | 62              | 55              | 55               |
| Angola                        | 26                 | 21              | 18             | 19              | 21              | 18              | 18              | 18              | 18                                | 18              | 18              | 45               | 77              | 90               | 88               | 82               | 95             | 97               | 100              | 100             | 99              | 96               |
| Argentina                     | 8                  | 10              | 11             | 10              | 9               | 8               | 9               | 9               | 8                                 | 9               | 9               | 124              | 121             | 120              | 124              | 122              | 125            | 131              | 131              | 130             | 127             | 127              |
| Armenia                       | 22                 | 20              | 18             | 18              |                 | 23              | 26              | 26              | 26                                | 24              | 24              | 64               | 81              | 92               | 95               | 81               | 75             | 69               | 75               | 75              | 82              | 82               |
| Australia                     | <u>15</u><br>37    | 16              | 18             | 21              | 23              | 23              | 23              | 22              | 21                                | 21              | 20              | 90               | 95              | 86               | 79               | 76               | 78             | 83               | 88               | 88              | 89              | 91               |
| Austria<br>Azerbaijan         | 29                 | <u>38</u><br>25 | 40<br>20       | <u>36</u><br>19 | <u>34</u><br>19 | 36<br>19        | <u>38</u><br>21 | <u>38</u><br>22 | 39<br>23                          | <u>39</u><br>24 | 40<br>25        | <u>10</u><br>30  | 10<br>55        | 10<br>82         | <u>13</u><br>87  | <br>86           | 13<br>85       | 10<br>86         | <u>14</u><br>84  | <u>13</u><br>84 | <u>12</u><br>85 | <u>12</u><br>77  |
| Bahamas, The                  | 29                 | 31              | 32             | 34              | 31              | 31              | 33              | 34              | 34                                | 36              | 33              | 35               | 31              | 28               | 20               | 24               | 31             | 30               | 28               | 23              | 18              | 27               |
| Bahrain                       | 39                 | 40              | 40             | 40              | 36              | 35              | 34              | 34              | 34                                | 38              | 35              | 8                | 8               | 8                | 8                | 12               | 16             | 22               | 25               | 25              | 15              | 22               |
| Bangladesh                    | 0                  | 1               | 1              | 2               | 1               | 1               | 4               | 4               | 4                                 | 5               | 3               | 139              | 140             | 140              | 140              | 140              | 140            | 139              | 139              | 140             | 138             | 139              |
| Barbados                      | 26                 | 27              | 28             | 29              | 30              | 31              | 33              | 33              | 33                                | 31              | 33              | 43               | 43              | 45               | 42               | 33               | 30             | 29               | 30               | 31              | 39              | 29               |
| Belarus                       | 20                 | 21              | 23             | 24              | 24              | 27              | 31              | 32              | 30                                | 29              | 31              | 76               | 79              | 73               | 71               | 65               | 54             | 43               | 42               | 45              | 52              | 41               |
| Belgium                       | 43                 | 44              | 45             | 44              | 43              | 42              | 42              | 44              | 45                                | 44              | 45              | 4                | 5               | 5                | 5                | 5                | 7              | 7                | 7                | 6               | 7               | 5                |
| Benin                         | 5                  | 6               | 12             | 11              | 11              | 12              | 12              | 13              | 17                                | 20              | _19             | 130              | 130             | 115              | 118              | 115              | 116            | 116              | 115              | 102             | 95              | 95               |
| Bolivia                       | 12                 |                 | 13             | 15              | 12              |                 |                 |                 |                                   |                 |                 |                  | 110             | 111              | 107              | 112              | 111            | 109              | 103              | 103             | 96              | 112              |
| Bosnia & Herzegovina          | 22                 | 23              | 26             | <u>26</u><br>25 | 24              | 27              | 29              | 30              | 30                                | 30              | 30              | 65               | 59              | 56               | 56               | 64               | 49             | 48               | 48               | 48              | 47              | 52               |
| Botswana<br>Brazil            | <u>22</u><br>6     | 7               | <u>25</u><br>7 | <u></u> 7       | <u>26</u><br>7  | <u>25</u><br>8  | 27              | <u>27</u><br>9  | <u>29</u><br>8                    | <u>28</u><br>8  | <u>27</u><br>10 | <u>61</u><br>127 | 72<br>127       | 63<br>126        | <u>68</u><br>132 | <u>52</u><br>127 | 67<br>128      | 67<br>132        | 65<br>130        | 57<br>131       | 67<br>132       | <u>66</u><br>121 |
| Brunei Darussalam             | 25                 | 23              | 23             | 23              | 27              | 26              | 27              | 29              | 31                                | 31              | 33              | 50               | 65              | 70               | 73               | 46               | 59             | 66               | 53               | 43              | 41              | 32               |
| Bulgaria                      | 23                 | 32              | 34             | 34              | 30              | 32              | 31              | 32              | 34                                | 35              | 35              | 31               | 21              | 18               | 18               | 29               | 28             | 38               | 36               | 26              | 20              | 21               |
| Burkina Faso                  | 3                  | 5               | 7              | 7               | 7               | 9               | 12              | 14              | 16                                | 14              | 14              | 137              | 136             | 129              | 133              | 126              | 124            | 115              | 112              | 108             | 113             | 115              |
| Burundi                       | 4                  | 7               | 4              | 4               | 3               | 3               | 6               | 6               | 6                                 | 4               | 4               | 132              | 128             | 139              | 137              | 136              | 138            | 135              | 134              | 137             | 140             | 138              |
| Cambodia                      | 26                 | 27              | 28             | 28              | 28              | 30              | 30              | 32              | 34                                | 34              | 34              | 48               | 44              | 46               | 47               | 42               | 37             | 47               | 35               | 22              | 25              | 24               |
| Cameroon                      | 7                  | 6               | 8              | 9               | 5               | 6               | 9               | 9               | 9                                 | 9               | 8               | 126              | 129             | 124              | 125              | 134              | 132            | 130              | 132              | 129             | 128             | 128              |
| Canada                        | 28                 | 29              | 29             | 28              | 28              | 28              | 28              | 29              | 29                                | 30              | 31              | 32               | 40              | 42               | 46               | _43              | _47            | 52               | 55               | _54             | 48              | _45              |
| Chile                         |                    | 21              | 23             | 26              | 23              | 25              | 25              | 25              | 25                                | 26              |                 | 63               | 76              | 68               | 65               | 72               | 70             | 76               | 78               | 79              | 78              | 80               |
| China                         |                    | 12              | 11             |                 | 8               | 9               | 10              | 9               | 9                                 | 9               | 9               |                  | 111             | 119              | 120              | 124              | 121            | 128              | 129              | 128             | 124             | 125              |
| Colombia                      | 9                  | 10              | 10             | <u>11</u><br>23 | 10<br>25        | 10              | <u>11</u><br>28 | <u>12</u><br>29 | 13                                | 14<br>31        | 16<br>32        |                  | 122             | $\frac{121}{66}$ | 123<br>75        | 119              | 120            | <u>122</u><br>58 | <u>119</u><br>54 | 116             | 114             | <u>107</u><br>39 |
| Congo, Republic<br>Costa Rica | <u>20</u><br>25    | 21              | 24<br>27       | 23              | 25              | 26<br>23        | 28              | 29              | <u>30</u><br>26                   | 26              | 23              | <u>74</u><br>55  | <br>56          | 66<br>52         | <br>54           | 60<br>68         | 60<br>79       | <br>78           | <br>76           | 47              | 43<br>75        | 85               |
| Cote d'Ivoire                 | 17                 | 17              | 18             | 18              | 18              | 19              | 19              | 20              | 20                                | 17              | 16              | 84               | 89              | 93               | 94               | 88               | 88             | 96               | 91               | 92              | 103             | 104              |
| Croatia                       | 26                 | 28              | 29             | 29              | 26              | 26              | 27              | 26              | 26                                | 29              | 30              | 44               | 42              | 43               | 44               | 55               | 61             | 65               | 72               | 76              | 62              | 53               |
| Cyprus                        | 27                 | 30              | 30             | 33              | 32              | 37              | 39              | 38              | 33                                | 34              | 35              | 41               | 36              | 38               | 21               | 21               | 12             | 9                | 12               | 33              | 24              | 19               |
| Czech Republic                | 33                 | 33              | 34             | 34              | 33              | 33              | 33              | 35              | 37                                | 38              | 39              | 16               | 19              | 20               | 19               | 19               | 20             | 32               | 21               | 14              | 14              | 13               |
| Denmark                       | 30                 | 32              | 34             | 33              | 32              | 32              | 34              | 34              | 35                                | 35              | 35              | 22               | 23              | 21               | 22               | 22               | 25             | 24               | 24               | 18              | 21              | 18               |
| Dominican Republic            | 14                 | 17              | 16             | 17              | 14              | 16              | 17              | 19              | 18                                | 18              | 17              | 98               | 92              | 98               | 99               | 106              | 102            | 100              | 99               | 99              | 97              | 98               |
| Ecuador                       |                    | 12              | 12             | 14              |                 |                 | 15              | 14              |                                   | 14              |                 | 112              | 108             | 112              | 110              | 117              | 109            | 110              | 110              | 113             | 116             | 116              |
| Egypt, Arab Republic          | 9                  |                 | 12             | 13              |                 | 12              |                 | 10              | 8                                 | 9               | 8               |                  | 119             | 117              | 111              | 116              | 115            | 125              | 126              | 132             | 129             | 131              |
| El Salvador<br>Estonia        | <u>17</u><br>38    | <u>17</u><br>39 | 19<br>40       | 21<br>37        | <u>17</u><br>36 | <u>17</u><br>40 | <u>18</u><br>42 | <u>19</u><br>41 | 21<br>40                          | 20<br>41        | <u>21</u><br>40 | <u>86</u><br>9   | <u>88</u><br>9  | <u>84</u><br>9   | 82               | 95<br>10         | <u>97</u><br>8 | <u>98</u><br>8   | <u>98</u><br>9   | <u>90</u><br>9  | <u>90</u><br>8  | 90<br>10         |
| Ethiopia                      | <u> </u>           | 8               | 40             | <u>-57</u><br>6 | 2               | 40              | 42              | 41              | 40                                | -41             | 40              | 120              | 123             | 132              | 135              | 139              | 134            | 133              | 138              | 136             | 136             | 134              |
| Fiji                          | 24                 | 24              | 24             | 27              | 25              | 27              | 27              | 28              | 29                                | 30              | 31              | 58               | 58              | 65               | 55               | 62               | 55             | 62               | 59               | 61              | 45              | 43               |
| Finland                       | 26                 | 31              | 33             | 32              | 29              | 30              | 31              | 32              | 31                                | 32              | 30              | 46               | 25              | 23               | 28               | 39               | 38             | 40               | 38               | 40              | 35              | 50               |
| France                        | 24                 | 26              | 27             | 26              | 25              | 26              | 26              | 26              | 27                                | 28              | 28              | 56               | 50              | 54               | 58               | 58               | 64             | 73               | 73               | 69              | 66              | 60               |
| Gambia, The                   | 19                 | 22              | 21             | 18              | 18              | 16              | 21              | 24              | 25                                | 26              | 26              | 79               | 73              | 77               | 91               | 87               | 104            | 89               | 81               | 80              | 73              | 75               |
| Georgia                       | 16                 | 22              | 23             | 26              | 26              | 27              | 26              | 30              | 30                                | 32              | 32              | 89               | 71              | 72               | 61               | 57               | 50             | 71               | 45               | 46              | 33              | 37               |
| Germany                       | 28                 | 31              | 33             | _29             | 28              | _29             | 32              | 32              | 32                                | 32              | 33              | 33               | 30              | 22               | 43               | _44              | _43            | 35               | 37               | 37              | 36              | 30               |
| Ghana                         | 13                 | 14              | _14            | 15              | 17              | 18              | 21              | 22              | 19                                | 20              | _21             | 105              | 105             | 107              | 105              | 91               | _94            | 87               | 85               | 94              | 91              | 89               |
| Greece                        | 17                 | 20              | 22             | 20              |                 | 18              | 21              | 21              | 22                                | 25              | 26              | 83               | 80              |                  | 85               | 90               | 93             | 88               | 90               | 87              | 81              | 72               |
| Guatemala                     | 14                 | 16              | 16             | 15              | 14              | 16              | 17              | 17              | 17                                | 17              | 15              | 94               | 98              | 99               | 106              | 104              | 105            | 104              | 102              | 104             | 106             | 111              |
| Guinea                        | <u>13</u><br>30    | <u>17</u><br>29 | 15<br>30       | <u>17</u><br>32 | 13<br>30        | <u>17</u><br>32 | <u>22</u><br>34 | 22<br>36        | 19<br>35                          | <u>17</u><br>33 | <br>33          | <u>103</u><br>23 | 93<br>38        | 105<br>35        | 98<br>29         | <u>111</u><br>32 | 98<br>24       | <u>84</u><br>26  | <u>86</u><br>15  | 96<br>20        | 101<br>28       | 114<br>35        |
| Guyana<br>Honduras            | 26                 | 29              | 27             | 28              | 24              | 26              | 28              | 30              | 31                                | 31              | 31              | 47               | 52              | 50               | 49               | 67               | 62             | 57               | 46               | 44              | 40              | 47               |
| Hong Kong SAR (China)         | 46                 | 47              | 48             | 48              | 47              | 47              | 47              | 48              | 47                                | 48              | 47              |                  | 3               | 3                | -49              | 1                | 3              |                  | -40              | 2               | 2               |                  |
| Hungary                       | 34                 | 37              | 36             | 37              | 36              | 37              | 37              | 39              | 40                                | 41              | 41              | 12               | 11              | 14               | 12               | 11               | 11             | 13               | 10               | 11              | 9               | 2                |
| Iceland                       | 29                 | 34              | 33             | 33              | 34              | 32              | 33              | 34              | 33                                | 31              | 31              | 27               | 17              | 24               | 27               | 16               | 27             | 28               | 23               | 32              | 38              | 42               |
| India                         | 4                  | 5               | 5              | 9               | 7               | 8               | 10              | 10              | 9                                 | 8               | 7               | 133              | 134             | 135              | 126              | 131              | 130            | 129              | 128              | 126             | 131             | 133              |
| Indonesia                     | 8                  | 7               | 7              | 8               | 7               | 6               | 7               | 7               | 7                                 | 8               | 7               | 123              | 124             | 127              | 129              | 129              | 133            | 134              | 133              | 134             | 133             | 132              |
| Iran, Islamic Republic        | 4                  | 5               | 4              | 5               | 3               | 3               | 4               | 2               | 5                                 | 4               | 3               | 131              | 133             | 137              | 136              | 137              | 139            | 140              | 140              | 139             | 139             | 140              |
| Ireland                       | 41                 | 41              | 41             | 41              | _40             | _44             | 44              | 45              | 44                                | 45<br>28        | 45              | 7                | 7               | 7                | 7                | 7                | 5              | 6                | 5                | 7               | 5               | 4                |
| Israel                        | 29                 | 30              | 30             | 30              | 26              | _27             | 28              | 28              | 28                                |                 | 28              | 28               | 35              | 37               | 40               | 54               | 53             | 53               | 57               | 65              | 63              | 62               |
| Italy                         | 20                 | 22              | _23            | 20              | 19              | 21              | 25              | 26              | 26                                | 26              | _27             | 73               | 70              | 71               | 84               | 85               | 83             | 74               | _74              | 71              | 76              | 71               |
| Jamaica                       |                    |                 |                | 30              | 27              |                 | 27              | 28              |                                   |                 | 27              | 52               | 46              | 41               | 39               | 47               | 52             | 63               | 61               | 81              | 72              | 69               |
| Japan                         | 10                 | 11              | 12             | 12              | 10              | 11              | 12              | 12              | 14                                | 14              | 16              |                  | 117             | 113              | 116              | 118              | 118            | 114              | 117              | 115             | 115             | 108              |
| Jordan<br>Kazakhstan          | <u>31</u><br>22    | 31<br>23        | 31<br>27       | 31<br>26        | 30<br>24        | 30<br>23        | 30<br>25        | 29<br>27        | 29<br>25                          | 29<br>25        | 28              | <u>19</u><br>60  | <u>27</u><br>62 | 32<br>49         | 33<br>57         | 30<br>69         | 36<br>76       | 46<br>75         | 56<br>70         | 55<br>82        | 53<br>80        | 61<br>84         |
| Kazakhstan<br>Kenya           | 7                  | <u>3</u><br>7   | 7              | <u>8</u>        | <u></u> 8       | <br>9           | <br>11          | 12              | <br>11                            | <br>12          | <u></u><br>11   | 125              | 125             | 49<br>125        | <u>57</u><br>127 | 123              | 122            | 124              | 122              | 122             | 119             | <u>84</u><br>117 |
| Kenya<br>Korea, Republic      | 19                 | 19              | 20             | <br>24          | <br>24          | 24              | 27              | 28              | 27                                | 27              | 25              | 78               | 83              | 81               | 70               | 70               | 74             | 64               | 63               | 70              | 71              | 79               |
| Kuwait                        | 21                 | 22              | 20             | 24              | 29              | 29              | 29              | 20              | 28                                | 27              | 23              | 68               | 69              | 67               | 45               | 34               | 39             | 49               | 51               | 67              | 69              | 58               |
| Kyrgyz Republic               | 24                 | 26              | 26             | 27              | 27              | 23              | 23              | 24              | 26                                | 24              | 23              | 57               | 51              | 57               | 52               | 50               | 77             | 81               | 82               | 73              | 84              | 86               |
|                               |                    |                 |                |                 |                 |                 |                 |                 |                                   |                 |                 |                  |                 |                  |                  |                  |                |                  |                  |                 |                 |                  |

|                                     |                 |                 |                 | [               | Depth 9         | Score (         | 0-50)           |                 |                 |                 |                 | Depth R         |                  |           |                  | ank (o         | nk (out of 140 countries) |           |                 |                 |                  |                |
|-------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|-----------|------------------|----------------|---------------------------|-----------|-----------------|-----------------|------------------|----------------|
| Country Year                        | 2005            | <b>'</b> 06     | <b>′07</b>      | '08             | '09             | ′10             | '11             | <b>′12</b>      | '13             | <b>′14</b>      | <b>′15</b>      | 2005            | <b>'</b> 06      | ·07       | '08              | <sup>'09</sup> | ·10                       | ′11       | ′12             | '13             | <b>′14</b>       | <b>′15</b>     |
| Lao PDR                             | 12              | 13              | 12              | 12              | 11              | 14              | 15              | 16              | 14              | 18              | 17              | 110             | 107              | 114       | 117              | 114            | 108                       | 108       | 107             | 112             | 98               | 99             |
| Latvia                              | 27              | 29              | _29             | _26             | 25              | 31              | 35              | 38              | 39              | 39              | 39              | 39              | 37               | _44       | _64              | 61             | 34                        | 16        | 13              | 12              | 13               | 14             |
| Lebanon                             | 33              | 34              | 34              | 36              | 34              | 34              | 35              | 32              | 32              | 29              | 28              | 15              | 16               | 17        | 14               | 14             | 18                        | 15        | 39              | 38              | 54               | 63             |
| Lithuania                           | 27              | 30              | 30              | 31              | 29              | 32              | 34              | 36              | 36              | 35              | 35              | 40              | 32               | 1         | <u>34</u><br>1   | 35             |                           |           |                 | 16              | <u>19</u><br>3   | <u>20</u><br>3 |
| Luxembourg                          | <u>49</u><br>32 | 50<br>33        | 50<br>32        | 50<br>30        | 46<br>26        | 48              | 48              | 47              | 46<br>29        | 46<br>30        | 46<br>31        | 1               | <br>             | <br>      |                  | <br>53         | 2<br>65                   | 2<br>72   | 4<br>71         | 3<br>52         | <u>-3</u><br>50  | 40             |
| Macau SAR (China)<br>Macedonia, FYR | 23              | 24              | 27              | 31              | 20              | 20              | 32              | 33              | 31              | 31              | 31              | <u>17</u><br>59 | 57               | <br>51    | <u>36</u><br>32  | 49             | 42                        | 37        | 29              | 41              | 37               | 36             |
| Madagascar                          | 10              | 12              | 14              | 14              | 14              | 13              | 13              | 14              | 14              | 16              | 18              | 116             | 112              | 106       | 109              | 105            | 112                       | 113       | 113             | 114             | 108              | 97             |
| Malaysia                            | 32              | 34              | 35              | 34              | 34              | 35              | 36              | 36              | 36              | 36              | 36              | 18              | 15               | 15        | 17               | 13             | 15                        | 14        | 16              | 15              | 16               | 17             |
| Mali                                | 8               | 11              | 10              | 13              | 10              | 13              | 12              | 14              | 13              | 12              | 9               | 122             | 118              | 122       | 113              | 120            | 110                       | 119       | 114             | 117             | 120              | 122            |
| Malta                               | 41              | 45              | 45              | 47              | 47              | 48              | 49              | 47              | 45              | 44              | 44              | 6               | 4                | 4         | 4                | 3              | 1                         | 1         | 3               | 5               | 6                | 7              |
| Mauritius                           | 25              | 27              | _26             | 28              | 31              | 35              | 35              | 36              | 34              | 35              | 35              | 51              | 47               | 55        | 48               | _27            | 14                        | 17        | 17              | 28              | 22               | 23             |
| Mexico                              | 16              |                 | 19              |                 | 18              | 19              | 20              | 21              | 21              | 22              | 24              | 87              | 87               | 85        | 97               |                | 86                        | 92        | 89              | 89              | 88               | 83             |
| Moldova                             | <u>27</u><br>21 | 27              | <u>30</u><br>20 | 30              | 29<br>23        | 31<br>29        | 32              | 32<br>31        | 32              | <u>32</u><br>29 | 33              | <u>38</u><br>69 | 48<br>74         | 40<br>83  | 35<br>78         | 37             | 35<br>40                  | 36<br>34  | 40              | 34<br>64        | 34<br>56         | 31<br>73       |
| Mongolia<br>Montenegro              | 21              | 32              | 32              | 33              | 32              | 32              | 32              | 31              | 32              | 33              | 33              | 26              | 24               | 27        | 23               | 23             | 26                        | 34        | 44              | 36              | 32               | 34             |
| Montenegro                          | 15              | 16              | 18              | 19              | 17              | 18              | 20              | 20              | 19              | 20              | 20              | 91              | 96               | 89        | 86               | 97             | 90                        | 91        | 94              | 95              | 93               | 94             |
| Mozambique                          | 14              | 15              | 13              | 13              | 14              | 18              | 20              | 22              | 22              | 23              | 23              | 100             | 103              | 110       | 112              | 107            | 91                        | 93        | 87              | 85              | 86               | 87             |
| Myanmar                             | 8               | 7               | 5               | 4               | 2               | 5               | 5               | 6               | 8               | 8               | 6               | 121             | 126              | 133       | 138              | 138            | 136                       | 136       | 135             | 133             | 135              | 135            |
| Namibia                             | 25              | 26              | 27              | 29<br>3         | 30              | 28              | 28              | 27              | 29              | 30              | 28              | 53              | 49               | 48        | 41               | 31             | 44                        | 54        | 68              | 60              | 46               | 64             |
| Nepal                               | 3               | 3               | 4               |                 | 7               | 5               | 5               | 5               | 7               | 8               | 6               | 135             | 139              | 138       | 139              | 128            | 137                       | 138       | 136             | 135             | 134              | 136            |
| Netherlands                         | 42              | 43              | 44              | 43              | 42              | 43              |                 | 44              | 45              |                 | 45              | 5               | 6                | 6         | 6                | 6              | 6                         | 5         | 6               | 4               | 4                | 6              |
| New Zealand                         | 22 20           | 23              | 25<br>25        | 25<br>27        | 27<br>25        | 26<br>28        | 28<br>31        | <u>27</u><br>32 | 28<br>33        | <u>27</u><br>33 | <u>27</u><br>32 | 62<br>75        | <u>60</u><br>61  | 60<br>59  | 66<br>53         | 48<br>59       | 63<br>45                  | 60<br>41  | <u>69</u><br>34 | <u>66</u><br>30 | <u>68</u><br>30  | 67<br>38       |
| Nicaragua<br>Niger                  | 6               | <u></u> 6       | <br>7           |                 | <br>17          | <br>            | <br>17          | <u> </u>        | <br>            | <br>            | <u> </u>        | 128             | 131              | 128       | 122              | <br>94         | 45<br>92                  | 103       | 109             | 106             | 110              | 105            |
| Nigeria                             | 10              | 10              | 10              | 12              | 11              | 11              | 17              | 13              | 10              | 10              | -10             | 115             | 120              | 123       | 115              | 113            | 117                       | 112       | 116             | 120             | 122              | 123            |
| Norway                              | 30              | 31              | 33              | 30              | 30              | 31              | 33              | 33              | 31              | 31              | 30              | 24              | 28               | 25        | 37               | 28             | 32                        | 31        | 32              | 39              | 44               | 51             |
| Oman                                | 26              | 27              | 30              | 30              | 28              | 28              | 31              | 33              | 33              | 33              | 37              | 49              | 45               | 36        | 38               | 45             | 46                        | 39        | 31              | 29              | 31               | 15             |
| Pakistan                            | 3               | 5               | 6               | 8               | 5               | 6               | 5               | 5               | 6               | 6               | 5               | 134             | 135              | 131       | 128              | 135            | 135                       | 137       | 137             | 138             | 137              | 137            |
| Panama                              | 27              | 30              | 31              | 32              | 29              | 32              | 34              | 33              | 31              | 29              | 27              | 37              | 34               | 31        | 31               | 36             | 29                        | 23        | 33              | 42              | 57               | 68             |
| Paraguay                            | 14              | 17              |                 | 18              | 16              | 19              | 18              | 19              | 18              | 17              | 16              | 97              | 94               | 104       | 96               | 101            | 89                        | 99        | 97              |                 | 102              | 102            |
| Peru                                | 14              |                 | 16              | 16              | 15              | 16              | 17              | 16              | 17              | 16              | 16              | 101             | 104              | 100       | 100              | 102            | 103                       | 102       | 105             | 105             | 107              | 106            |
| Philippines<br>Poland               | <u>18</u><br>18 | <u>17</u><br>22 | <u>17</u><br>23 | <u>16</u><br>23 | <u>13</u><br>23 | <u>12</u><br>25 | 12<br>27        | <u>12</u><br>28 | 13<br>28        | 15<br>29        | <u>15</u><br>31 | <u>82</u><br>81 | 91<br>67         | 94<br>69  | <u>102</u><br>74 | 108<br>74      | <u>114</u><br>69          | 118<br>68 | 118<br>62       | 118<br>68       | <u>112</u><br>61 | 113<br>44      |
| Portugal                            | 28              | 30              | 31              | 32              | 29              | 23              | 27              | 27              | 28              | 31              | 34              | 34              | 33               | 30        | 30               | 38             | 48                        | 55        | 66              | 63              | 42               | 25             |
| Qatar                               | 27              | 29              | 30              | 27              | 28              | 27              | 29              | 29              | 30              | 30              | 30              | 42              | 39               | 39        | 51               | 40             | 51                        | 50        | 52              | 51              | 49               | 49             |
| Romania                             | 20              | 23              | 22              | 23              | 21              | 22              | 23              | 26              | 26              | 26              | 25              | 72              | 66               | 74        | 72               | 80             | 81                        | 80        | 77              | 74              | 77               | 76             |
| Russian Federation                  | 14              | 15              | 16              | 16              | 17              | 16              | 16              | 16              | 16              | 16              | 16              | 96              | 100              | 96        | 101              | 96             | 100                       | 106       | 106             | 109             | 111              | 103            |
| Rwanda                              | 3               | 4               | 4               | 6               | 6               | 7               | 10              | 10              | 10              | 11              | 10              | 136             | 138              | 136       | 134              | 132            | 131                       | 126       | 127             | 124             | 121              | 120            |
| Saudi Arabia                        | 17              | 18              |                 |                 | 23              |                 |                 |                 | 23              |                 |                 | 85              | 84               | 80        | 80               |                | 72                        | 79        | 83              | 83              | 83               | 81             |
| Senegal                             | <u>15</u><br>21 | <u>15</u><br>23 | <br>            | 19              | <u>17</u><br>24 | <u>17</u><br>25 | 19              | 20              | 21<br>29        | 20              | 20<br>29        | <u>92</u><br>67 | <u>102</u><br>63 | 97<br>58  | 90<br>62         | 93<br>66       | 96<br>68                  | 94<br>70  | 95<br>67        | 91<br>59        | 92<br>64         | 92<br>56       |
| Serbia<br>Singapore                 | 48              | 48              | 49              | 26<br>48        | 47              | 47              | 26<br>47        | 48              | 48              | 28<br>48        | 48              | 2               | 2                | 2         | 2                | 2              | 4                         | 3         | - 67            | 1               | 1                | 1              |
| Slovak Republic                     | 36              | 34              | 36              | 35              | 33              | 33              | 35              | 36              | 36              | 34              | 33              | 11              | 14               | 13        | 15               | 18             | 22                        | 19        | 18              | 17              | 26               | 28             |
| Slovenia                            | 29              | 32              | 34              | 33              | 31              | 33              | 35              | 35              | 35              | 36              | 37              | 25              | 22               | 19        | 24               | 25             | 21                        | 18        | 20              | 19              | 17               | 16             |
| South Africa                        | 14              | 17              | 18              | 23              | 19              | 19              | 20              | 21              | 22              | 23              | 22              | 95              | 90               | 87        | 76               | 84             | 87                        | 90        | 92              | 86              | 87               | 88             |
| Spain                               | 20              | 22              | 22              | 21              | 20              | 21              | 23              | 24              | 25              | 27              | 28              | 71              | 75               | 76        | 81               | 83             | 82                        | 82        | 80              | 78              | 70               | 59             |
| Sri Lanka                           | 12              | 12              | 12              | 11              | 8               | 9               | 12              | 12              | 12              | 13              | 11              | 108             | 115              | 116       | 119              | 125            | 123                       | 121       | 120             | 119             | 118              | 119            |
| Suriname                            |                 | <u>26</u><br>33 | 25<br>35        | <u>26</u><br>35 | 22<br>34        | 22<br>34        | 27<br>34        | 28<br>35        | <u>30</u><br>34 | <u>29</u><br>33 | 28<br>33        |                 | <u>54</u><br>18  | 62<br>16  | 63<br>16         | 79<br>17       | 80                        | 61<br>20  | <u>60</u><br>22 | 50<br>27        | 59<br>27         | 65<br>33       |
| Sweden<br>Switzerland               | <u>31</u><br>34 | 33              | 35              | 35              | 34              | 34              | 34              | 41              | 42              | 33              | 40              | 20<br>14        | 18               | 10        | 9                | 9              | 9                         | 12        | 8               | 8               | 11               | <br>11         |
| Taiwan (China)                      | 29              | 31              | 32              | 33              | 31              | 33              | 34              | 34              | 34              | 34              | 34              | 29              | 29               | 29        | 25               | 26             | 19                        | 27        | 27              | 24              | 23               | 26             |
| Tanzania                            | 5               | 6               | 7               | 7               | 6               | 8               | 12              | 11              | 9               | 8               | 8               | 129             | 132              | 130       | 130              | 133            | 126                       | 120       | 124             | 127             | 130              | 129            |
| Thailand                            | 25              | 26              | 27              | 25              | 26              | 26              | 31              | 30              | 29              | 29              | 28              | 54              | 53               | 53        | 67               | 56             | 57                        | 42        | 47              | 58              | 58               | 57             |
| Тодо                                | 18              | 18              | 18              | 19<br>33        | 22              | 24              | 30<br>34        | 31              | 32              | 28              | 27              | 80              | 86               | 88        | 89               | 78             | 73                        | 44        | 43              | 35              | 65               | 70             |
| Trinidad and Tobago                 | 31              | 31              | 31              | 33              | 33              | 31              |                 | 34              | 34              | 33              | 31              | 21              | 26               | 33        | 26               | 20             |                           | 25        | 26              | 21              | 29               | 46             |
| Tunisia                             | 21              | 23              | 25              | 26              | 23              | 25              | 24              | 25              | 25              | 26              | _25             | 70              | 64               | _64       | 59               | 73             | 71                        | 77        | 79              | 77              | 79               |                |
| Turkey                              |                 |                 |                 |                 |                 |                 | 14              | 16              | 16              |                 | 16              | 114             | 113              | 109       | 114              | 109            | 113                       | 111       | 108             | 110             | 104              | 109            |
| Uganda                              | 2               | 4               | <u>5</u><br>21  | 7               | 7<br>24         | <u>8</u><br>26  | <u>11</u><br>28 | <u>11</u><br>29 | 10<br>30        | 9<br>29         | 11<br>31        | 138             | 137<br>82        | 134<br>78 | 131<br>69        | 130<br>63      | 129<br>58                 | 123<br>56 | 123<br>50       | 123<br>49       | 125<br>60        | 118            |
| Ukraine<br>United Arab Emirates     | <u>20</u><br>34 | 19<br>36        | 38              | 38              | 38              | 38              | <u></u><br>37   | <br>39          | 40              | 41              | 42              | <br>            | 13               | 12        | 10               | 8              | <br>10                    | 11        | <br>11          | <br>            | 10               | 48             |
| United Kingdom                      | 27              | 29              | 28              | 28              | 28              | 29              | 30              | 29              | 29              | 26              | 26              | 36              | 41               | 47        | 50               | 41             | 41                        | 45        | 49              | 56              | 74               | 8<br>74        |
| United States                       | 13              | 14              | 15              | 16              | 16              | 16              | 17              | 17              | 18              | 18              | 17              | 104             | 106              | 103       | 103              | 100            | 99                        | 101       | 101             | 101             | 100              | 100            |
| Uruguay                             | 14              | 15              | 16              | 18              | 16              | 15              | 16              | 17              | 16              | 16              | 16              | 99              | 99               | 102       | 92               | 99             | 106                       | 105       | 104             | 107             | 109              | 110            |
| Uzbekistan                          | 11              | 11              | 14              | 15              | 13              | 11              | 12              | 10              | 10              | 9               | 9               | 113             | 116              | 108       | 104              | 110            | 119                       | 117       | 125             | 125             | 126              | 124            |
| Venezuela, RB                       | 12              | 12              | 12              | 11              | 10              | 8               | 10              | 12              | 16              | 13              | 8               | 106             | 114              | 118       | 121              | 121            | 127                       | 127       | 121             | 111             | 117              | 130            |
| Vietnam                             | 21              | 22              | 25              | 26              | 26              | 27              | 28              | 28              | 29              | 29              | 30              | 66              | 68               | 61        | 60               | 51             | 56                        | 51        | 58              | 53              | 51               | 54             |
| Yemen, Republic                     | 12              | 16              | 16              | 18              |                 | 15              | 16              | 14              | 12              | 10              | 9               | 107             | 97               | 95        | 93               | 92             | 107                       | 107       | 111             | 121             | 123              | 126            |
| Zambia                              | 15              | 12              | 16              | 15              | 14              | 16              | 19              | 20              | 20              | 20              | 20              | 93              | 109              | 101       | 108              | 103            | 101                       | 95        | 93              | 93              | 94               | 93             |
| Zimbabwe                            | 13              | 15              | 18              | 21              | 17              | 20              | 22              | 20              | 18              | 17              | 16              | 102             | 101              | 91        | 83               | 98             | 84                        | 85        | 96              | 98              | 105              | 101            |

## TABLE A.3 // BREADTH SCORES AND RANKS, 2005–2015

|                                   | Breadth Score (0–50) |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | Bi               | readth          | Rank (     | out of 1        | 40 cou      | ntries)         |                 |                |                |                 |                 |
|-----------------------------------|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|-----------------|------------|-----------------|-------------|-----------------|-----------------|----------------|----------------|-----------------|-----------------|
| Country Year                      | 2005                 | <b>'</b> 06     | <b>′07</b>      | <b>'08</b>      | <b>'</b> 09     | <b>′10</b>      | ′11             | <b>′12</b>      | <b>′13</b>      | <b>′</b> 14     | <b>′15</b>      | 2005             | <b>'</b> 06     | <b>′07</b> | <b>'08</b>      | <b>′</b> 09 | <b>′10</b>      | ′11             | '12            | <b>′13</b>     | <b>′</b> 14     | <b>′15</b>      |
| Albania                           | 4                    | 4               | 4               | 5               | 6               | 5               | 5               | 5               | 6               | 7               | 9               | 135              | 135             | 134        | 134             | 128         | 132             | 134             | 133            | 128            | 129             | 123             |
| Angola                            | 20                   | 21              | 24              | 22              | 22              | 20              | 21              | 21              | 20              | 20              | 21              | 73               |                 | 64         | 64              | 69          |                 |                 | 69             | 70             | 78              | 76              |
| Argentina                         | 26                   | 29              | 28              | 27              |                 |                 | 25              | 27              |                 | 27              | 28              | 57               | 50              | 49         | 50              |             | 54              |                 | 51             | 51             | 52              | 50              |
| Armenia                           | 15                   | <u>15</u><br>42 | <u>16</u><br>41 | <u>18</u><br>41 | <u>18</u><br>42 | <u>17</u><br>42 | <u>17</u><br>42 | <u>16</u><br>42 | <u>17</u><br>42 | <u>19</u><br>42 | <u>18</u><br>42 | <u>91</u><br>13  | <u>98</u><br>12 | 91<br>13   | <u>86</u><br>12 | 81<br>10    | 83              | <u>86</u><br>8  | <u>91</u><br>9 | <u>87</u><br>9 | 80              | <u>90</u><br>10 |
| Australia<br>Austria              | <u>42</u><br>33      | 32              | 32              | 31              | 30              | 29              | 29              | 28              | 29              | 28              | 28              | 34               | 41              | 39         | 38              | 43          | 43              | 41              | 46             | 45             | 50              | 49              |
| Azerbaijan                        | 10                   | 8               | 13              | 19              | 18              | 16              | 17              | 20              | 19              | 20              | 16              | 112              | 119             | 106        | 84              | 83          | 89              | 87              | 70             | 80             | 70              | 99              |
| Bahamas, The                      | 11                   | 12              | 9               | 9               | 9               | 9               | 11              | 13              | 13              | 13              | 16              | 109              | 109             | 116        | 117             | 120         | 119             | 113             | 103            | 106            | 111             | 102             |
| Bahrain                           | 20                   | 21              | 20              | 21              | 22              | 21              | 21              | 20              | 18              | 25              | 22              | 72               | 73              | 79         | 74              | 68          | 73              | 73              | 76             | 84             | 61              | 70              |
| Bangladesh                        | 30                   | 31              | 32              | 24              | 26              | 26              | 26              | 26              | 25              | 26              | 27              | 45               | 42              | 40         | 61              | 58          | 57              | 55              | 55             | 56             | 58              | 55              |
| Barbados                          | 14                   | 14              | 12              | 11              |                 |                 | 12              |                 | 13              | 12              | 12              | 100              | 100             | 108        | 109             | 109         | 117             | 109             | 117            | 105            | 117             | 116             |
| Belarus                           | 8                    | 8               | 7               | 6               | 6               | 6               | 5               | 4               | 6               | 6               | 5               | 123              | 121             | 122        | 127             | 127         | 131             | 135             | 134            | 129            | 132             | 131<br>25       |
| Belgium<br>Benin                  | <u>38</u><br>5       | <u>38</u><br>6  | <u>38</u><br>6  | 37              | <u>37</u><br>8  | <u>36</u><br>8  | <u>36</u><br>10 | <u>36</u><br>7  | <u>35</u><br>11 | <u>36</u><br>13 | <u>36</u><br>10 | <u>21</u><br>130 | 20<br>126       | 19<br>127  | 19<br>116       | 22<br>122   | 22<br>120       | 23<br>118       | 23<br>124      | 25<br>112      | 24<br>110       | 121             |
| Bolivia                           | 14                   | 13              | 15              | 13              | 12              | 13              | 14              | 14              | 14              | 15              | 17              | 103              | 104             | 96         | 101             | 103         | 103             | 100             | 100            | 98             | 96              | 93              |
| Bosnia & Herzegovina              | 8                    | 7               |                 | 5               | 5               | 5               | 5               | 5               | 5               | 5               | 5               | 122              | 123             | 128        | 133             | 133         | 134             | 133             | 131            | 131            | 133             | 133             |
| Botswana                          | 2                    | 2               | 2               | 4               | 4               | 3               | 2               | 3               | 4               | 4               | 4               | 137              | 138             | 139        | 139             | 138         | 139             | 139             | 140            | 135            | 135             | 136             |
| Brazil                            | 40                   | 40              | 38              | 40              | 39              | 39              | 39              | 40              | 40              | 41              | 42              | 16               | 16              | 20         | 16              | 18          | 16              | 15              | 12             | 12             | 11              | 11              |
| Brunei Darussalam                 | 9                    | 11              | 10              | 10              | 10              | 12              | 10              | 7               | 9               | 11              | 10              | 118              | 110             | 113        | 115             | 118         | 109             | 116             | 123            | 120            | 121             | 117             |
| Bulgaria                          |                      |                 | 23              | 26              |                 |                 |                 | 26              |                 |                 |                 | 56               | 54              | 66         | 55              | 51          | 55              | 53              | 53             | 53             | 51              | 52              |
| Burkina Faso                      | 5                    | 4               | <u>6</u><br>3   | <u>10</u><br>4  |                 |                 | 8               | 5<br>4          | <u>6</u><br>3   | 5<br>4          | 4               | 133              | 136             | 125<br>138 | 112<br>137      | 125<br>126  | 125<br>133      | 122<br>140      | 129<br>139     | 130<br>139     | 134             | 139<br>137      |
| Burundi<br>Cambodia               | <u> </u>             | <br>13          | <u>3</u><br>13  | <br>            |                 | <u> </u>        | <br>17          | 4<br>16         | <u>3</u><br>    | 4<br>1          |                 | <u> </u>         | <u>.</u><br>103 | 138        | 137<br>103      | 126<br>105  | 133             | 140<br>88       | 139<br>89      | 139<br>77      | 136<br>74       | 137<br>73       |
| Cameroon                          | 14                   | 15              | 15              | 20              | 20              | 14              | 13              | 15              | 14              | 18              | 17              | 86               | 94              | 92         | 77              | 78          | 99              | 103             | 97             | 96             | 82              | 91              |
| Canada                            | 31                   | 32              | 33              | 32              | 34              | 34              | 34              | 33              | 33              | 32              | 33              | 42               | 40              | 35         | 34              | 29          | 32              | 33              | 33             | 35             | 35              | 33              |
| Chile                             | 30                   | 30              | 29              | 31              | 31              | 29              | 28              | 27              | 28              | 29              | 29              | 46               | 45              | 46         | 39              | 40          | 45              | 50              | 50             | 49             | 47              | 47              |
| China                             | 34                   | 35              | 36              | 36              | 37              | 38              | 39              | 39              | 39              | 39              | 39              | 31               | 27              | 24         | 21              | 19          | 19              | _17             | 15             | 16             | 14              | 16              |
| Colombia                          | 23                   | 23              | 24              | 22              | 23              |                 | 25              | 25              | 25              | 26              | 26              | 67               | 63              | 63         | 66              | 63          | 61              | 57              | 60             | 58             | 57              | 58              |
| Congo, Republic                   | 16                   | 15<br>17        | <u>14</u><br>22 | 14              | <u>17</u><br>18 | <u>19</u><br>16 | 18              | <u>19</u><br>17 | <br>20          | 16              | 17              | 89               | 96              | 101<br>72  | 99<br>82        | 91<br>84    | 79<br>90        | <u>82</u><br>90 | 82             | 76             | <u>94</u><br>87 | 94              |
| Costa Rica<br>Cote d'Ivoire       | <u>17</u><br>12      | 17              |                 | 19<br>17        | 18              | 16              | <u>16</u><br>17 | 17              | <br>14          | 18<br>17        | <br>            | <u>85</u><br>107 | 86<br>108       | 103        | <u>82</u><br>92 | 84          | 90<br>          | 90<br>89        | 87<br>84       | <br>           | 87              | 80<br>79        |
| Croatia                           | 12                   | 21              | 22              | 20              | 20              | 19              | 20              | 19              | 14              | 17              | 17              | 78               | 71              | 69         | 75              | 76          | 81              | 76              | 78             | 81             | 88              | 92              |
| Cyprus                            | 25                   | 23              | 23              | 24              | 22              | 20              | 22              | 19              | 18              | 18              | 19              | 61               | 65              | 67         | 62              | 67          | 74              | 65              | 79             | 86             | 81              | 77              |
| Czech Republic                    | 27                   | 28              | 29              | 27              | 28              | 28              | 28              | 26              | 26              | 27              | 27              | 51               | 51              | 45         | 51              | 49          | 48              | 49              | 52             | 54             | 56              | 56              |
| Denmark                           | 42                   | 41              | 41              | 41              | 41              | 40              | 40              | 38              | 39              | 39              | 39              | 10               | 14              | 14         | 13              | 12          | 13              | 13              | 18             | 17             | 17              | 13              |
| Dominican Republic                | 15                   | 15              |                 | 16              | 13              | 14              | 14              | 13              | 14              | 15              | 16              | 97               | 93              | 87         | 94              | 102         | 101             | 97              | 102            | 103            | 101             | 101             |
| Ecuador                           | 18                   | 18<br>29        | 18              | 17              | 18<br>31        | 18              | 17              | 20              | 19              | 20              | 25<br>25        | <u>82</u><br>50  | 85<br>48        | 83         | 90              | 86<br>39    | <u>82</u><br>53 | 85<br>51        | 73             | 78             | 77              | 64<br>63        |
| Egypt, Arab Republic              | <u></u> 5            | 6               | <u>26</u><br>5  | <u>29</u><br>5  | 6               | <u>27</u><br>6  | <u>28</u><br>7  | -20             | <u>27</u><br>7  | <u></u> 7       | -25             | 132              | 128             | 57<br>132  | 44<br>131       | 131         | 128             | 126             | 126            | 52<br>123      | 60<br>125       | 126             |
| Estonia                           | 15                   | 15              | 15              | 17              | 17              | 15              | 18              | 17              | 16              | 16              | 17              | 98               | 97              | 97         | 89              | 94          | 98              | 83              | 88             | 90             | 93              | 95              |
| Ethiopia                          | 32                   | 29              | 31              | 29              | 31              | 31              | 32              | 30              | 31              | 29              | 30              | 37               | 49              | 41         | 42              | 42          | 37              | 37              | 38             | 40             | 48              | 44              |
| Fiji                              | 11                   | 10              | 9               | 10              | 10              | 10              | 10              | 10              | 10              | 14              | 15              | 110              | 113             | 115        | 114             | 117         | 118             | 117             | 118            | 117            | 105             | 104             |
| Finland                           | 39                   | 39              | 39              | 37              | 37              | 36              | 35              | 33              | 33              | 34              | 34              | 18               | 19              | 17         | 20              | 20          | 23              | 26              | 31             | 31             | 29              | <u>30</u><br>7  |
| France                            | 46                   | 46              | 46              | 46              |                 | 44              | 44              | 43              | 44              | 43              |                 | 4                | 4               | 4          | 4               | 4           | 4               | 4               | 5              | 5              | 6               |                 |
| Gambia, The                       | <u>11</u><br>17      | 13<br>19        | 15<br>22        | <u>16</u><br>21 | <u>16</u><br>17 | 19<br>20        | 14<br>19        | <u>12</u><br>20 | 10<br>18        | 13<br>18        | <u>12</u><br>19 | 108<br>83        | 105<br>81       | 98         | 96<br>73        | 96<br>87    | 80              | 98<br>80        | 108<br>74      | 116<br>82      | 107             | 115             |
| Georgia<br>Germany                | 45                   | 46              | 45              | 43              | 43              | 43              | 42              | 42              | 42              | 42              | 42              | 5                | 5               | 5          | -/5             | 5           | <br>7           |                 | -74<br>        | -02            | <br>9           | 78              |
| Ghana                             | 28                   | 27              | 27              | 27              | 27              | 28              | 27              | 26              | 24              | 24              | 23              | 49               | 52              | 51         | 49              | 54          | 49              | 52              | 54             | 64             | 66              | 67              |
| Greece                            | 38                   | 36              | 35              | 35              | 33              | 32              | 32              | 29              | 29              | 29              | 29              | 20               | 24              | 26         | 26              | 32          | 34              | 39              | 44             | 48             | 46              | 48              |
| Guatemala                         | 15                   | 12              | 14              | 12              | 12              | 12              | 13              | 13              | 14              | 15              | 18              | 95               | 107             | 102        | 104             | 104         | 106             | 106             | 104            | 100            | 100             | 87              |
| Guinea                            | 19                   | 18              | 18              | 15              | 15              | 14              | 13              | 13              | 13              | 12              | 15              | 79               | 83              | 85         | 97              | 99          | 100             | 104             | 105            | 109            | 114             | 103             |
| Guyana                            | 14                   | 18              | 15              | 11              | 12              | 10              | 9               |                 | 9               | 13              | 15              | 101              | 82              | 100        | 108             | 106         | 116             | 120             | 110            | 118            | 108             | 107             |
| Honduras<br>Hong Kong SAR (China) | <u>15</u><br>24      | <u>14</u><br>22 | 14<br>21        | 13<br>21        | <u>14</u><br>21 | <u>16</u><br>22 | 16              | <u>16</u><br>22 | 16<br>22        | 16              | 19<br>22        | <u>93</u><br>63  | 102<br>68       | 104<br>74  | 102<br>72       | 100<br>73   | 93<br>69        | 95<br>64        | 92<br>64       | 91<br>67       | 91<br>69        | 81<br>71        |
| Hungary                           | 34                   | 35              | 33              | 33              | 34              | 34              | 22<br>33        | 31              | 31              | 22<br>30        | 31              | 28               | 26              | 32         | 30              | 27          | 30              | 36              | 36             | 37             | 43              | 39              |
| Iceland                           | 37                   | 37              | 36              | 35              | 34              | 34              | 34              | 34              | 34              | 35              | 35              | 23               | 21              | 23         | 25              | 30          | 26              | 30              | 30             | 29             | 27              | 28              |
| India                             | 41                   | 39              | 39              | 39              | 39              | 38              | 38              | 38              | 36              | 37              | 38              | 15               | 17              | 16         | 18              | 17          | 17              | 18              | 17             | 23             | 21              | 21              |
| Indonesia                         | 25                   | 25              | 24              | 24              | 25              | 25              | 25              | 25              | 27              | 27              | 28              | 60               | 60              | 62         | 63              | 61          | 58              | 60              | 56             | 50             | 55              | 51              |
| Iran, Islamic Republic            | 27                   | 26              | 26              | 26              | 26              | 23              | 20              | 15              | 14              | 14              | 14              | 52               | 56              | 58         | 54              | 56          | 64              | 75              | 93             | 102            | 104             | 109             |
| Ireland                           | 43                   | 43              | 42              | 41              | 39              | 38              | 37              | 37              | 38              | 38              | 38              | 9                | 10              |            |                 | 16          | 18              |                 |                | 19             |                 |                 |
| Israel                            | 38                   | 39              | 39              | 39              | 40              | 41              | 40              | 41              | 41              | 42              | 42              | <u>19</u><br>7   | 18              | 18         | 0               | 15          | 11              | 11              | 10             | 10             | 8               | 9               |
| Italy<br>Jamaica                  | <u>44</u><br>18      | <u>43</u><br>17 | <u>42</u><br>15 | 42              | <u>41</u><br>12 | <u>39</u><br>10 | <u>39</u><br>8  | <u>39</u><br>10 | <u>39</u><br>9  | <u>39</u><br>11 | <u>39</u><br>16 | <u>/</u><br>80   | 9<br>87         | 9<br>99    | 9<br>105        | 13<br>108   | 15<br>115       | 16<br>121       | 16<br>115      | 15<br>119      | 13<br>119       | 15<br>100       |
| Japan                             | 42                   | 43              | 43              | 42              | 42              | 43              | 43              | 43              | 43              | 43              | 44              | 12               | 8               | 7          | 7               | 7           | 6               | 6               | 6              | 6              | 5               | 5               |
| Jordan                            | 19                   | 19              | 19              | 20              | 20              | 20              | 19              | 20              | 20              | 21              | 22              | 77               | 77              | 80         | 79              | 79          | 78              | 78              | 75             | 74             | 72              | 69              |
| Kazakhstan                        | 26                   | 26              | 27              | 27              | 27              | 29              | 28              | 27              | 29              | 29              | 26              | 58               | 55              | 54         | 52              | 53          | 47              | 48              | 49             | 47             | 49              | 59              |
| Kenya                             | 27                   | 23              | 25              | 22              | 23              | 22              | 23              | 25              | 25              | 27              | 25              | 53               | 66              | 60         | 68              | 65          | 66              | 63              | 58             | 59             | 53              | 62              |
| Korea, Republic                   | 40                   | 40              | 41              | 41              | 41              | 43              | 43              | 44              | 44              | 44              | 44              | 17               | 15              | 15         | 11              | 11          | 5               | 5               | 4              | 4              | 4               | 4               |
| Kuwait                            | 6                    |                 | 22              | 22              | 23              | 23              | 23              | 4               | <u>24</u><br>4  | <u>24</u><br>4  | 4               | 65               | 70              | 70         | 65              | 66          | 65              | 62              | 62             | 62             | 63              | 65              |
| Kyrgyz Republic                   | 6                    | 4               | 4               | 5               | 3               | 3               | 3               | 4               | 4               | 4               | 4               | 129              | 134             | 135        | 135             | 139         | 138             | 138             | 138            | 137            | 138             | 135             |

|                                 |     |                 |                 |                | В               | readth          | Score           | (0-50)          | )               |                 |                 |                 |                   |                 | В               | readth          | Rank (          | out of 1         | 40 cou    | ntries)         |            |            |                 |
|---------------------------------|-----|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-----------------|-----------------|-----------------|-----------------|------------------|-----------|-----------------|------------|------------|-----------------|
| Country Ye                      | ear | 2005            | <b>'06</b>      | '07            | <b>′08</b>      | <b>'09</b>      | '10             | ·11             | ·<br>/12        | '13             | ′14             | <b>′15</b>      | 2005              | <b>'</b> 06     | <u>′07</u>      | <b>′08</b>      | <sup>'09</sup>  | '10              | ′11       | '12             | '13        | '14        | <b>'15</b>      |
| Lao PDR                         |     | 9               | 9               | 9              | 9               | 9               | 8               | 8               | 8               | 7               | 6               | 6               | 119               | 117             | 118             | 118             | 121             | 121              | 123       | 122             | 124        | 130        | 129             |
| Latvia                          |     | 20              | 20              | 21             | 20              | 19              | 17              | 15              | 15              | 16              | 16              | 17              | 74                | 74              | 77              | 76              | 80              | 85               | 96        | 95              | 92         | 92         | 97              |
| Lebanon                         |     | 22              |                 |                |                 |                 |                 | 21              |                 |                 | 23              |                 | 69                | 69              | 68              | 69              |                 | 62               | 66        | 68              | 61         | 67         | 57              |
| Lithuania                       | _   | 20              | <u>19</u><br>37 | 19<br>37       | 20<br>35        | <u>18</u><br>35 | <u>16</u><br>34 | <u>16</u><br>35 | 15<br>35        | <u>17</u><br>34 | 18              | 19              | - 75              | 78<br>22        | 81              | 78              | 82<br>25        | 91               | 92        | 94<br>26        | 88         | 86         | 83              |
| Luxembourg<br>Macau SAR (China) |     | <u>36</u><br>15 | <br>            |                | <br>            | <br>            | <br>            | <br>            | <br>            | <br>            | <u>34</u><br>14 | <u>36</u><br>15 | 25<br>92          | 84              | 21<br>84        | 24<br>95        | <br>95          | 28<br>92         | 28<br>105 | 109             | 27<br>115  | 28<br>103  | 106             |
| Macedonia, FYR                  |     | 11              | 12              | 11             | 11              | 13              | 10              | 11              | 11              | 11              | 11              | 13              | 111               | 106             | 110             | 107             | 101             | 102              | 114       | 112             | 111        | 118        | 114             |
| Madagascar                      |     | 17              | 19              | 19             | 21              | 20              | 22              | 18              | 19              | 20              | 20              | 21              | 84                | 79              | 82              | 70              | 77              | 67               | 84        | 80              | 75         | 76         | 75              |
| Malaysia                        | _   | 32              | 32              | 32             | 32              | 32              | 32              | 32              | 31              | 31              | 32              | 32              | 38                | 36              | 37              | 36              | 36              | 36               | 38        | 37              | 39         | 36         | 35              |
| Mali                            |     | 10              | 9               | 10             | 8               | 11              | 8               | 6               | 5               | 7               | 7               | 5               | 114               | 118             | 112             | 121             | 114             | 122              | 130       | 130             | 125        | 126        | 132             |
| Malta                           |     | 29              | 29              | 29             | 28              | 30              | 28              | _26             | _25             | 25              | _27             | 27              | 47                | _47             | 48              | _46             | 44              | 50               | 54        | 57              | 60         | _54        | _54             |
| Mauritius                       |     | 19              | 19              |                | 19              |                 |                 | 19              | 19              | 20              | 21              | 22              | 76                | 80              |                 | 81              |                 |                  | 79        | 77              |            |            |                 |
| Mexico                          |     | 18              | <u>19</u><br>10 | 20<br>11       | <u>21</u><br>10 | <u>21</u><br>11 | <u>22</u><br>11 | 21<br>10        | <u>20</u><br>10 | <u>22</u><br>11 | <u>24</u><br>12 | 25<br>10        | 81                | 76              | 78              | 71<br>111       | 72              | <u>68</u><br>111 | 67<br>115 | 72              | 66         | 64<br>115  | 61<br>118       |
| Moldova<br>Mongolia             |     | <u>10</u><br>13 | -10             |                | -10             | 10              | 11              | 10              | 10              | 13              | 12              | 10              | <u>113</u><br>106 | 120             | 120             | 122             | 115             | 113              | 110       | 107             | 113<br>108 | 106        | 110             |
| Montenegro                      | _   | 2               | 5               |                | 6               | 4               | 4               | 4               | 4               | 4               | 4               | 7               | 138               | 133             | 120             | 122             | 136             | 136              | 137       | 135             | 134        | 137        | 128             |
| Morocco                         | _   | 22              | 22              | 25             | 26              | 27              | 26              | 25              | 24              | 23              | 24              | 24              | 68                | 67              | 59              | 53              | 55              | 56               | 59        | 61              | 65         | 65         | 66              |
| Mozambique                      |     | 0               | 1               | 2              | 2               | 6               | 2               | 6               | 8               | 5               | 10              | 10              | 139               | 139             | 140             | 140             | 130             | 140              | 127       | 121             | 132        | 122        | 120             |
| Myanmar                         |     | 5               | 6               | 7              | 6               | 6               | 7               | 8               | 8               | 8               | 7               | 10              | 134               | 124             | 123             | 130             | 129             | 127              | 124       | 120             | 122        | 128        | 122             |
| Namibia                         |     | 7               | 6               | 5              | 5               | 5               | 7               | 6               | 5               | 3               | 3               | 3               | 125               | 127             | 133             | 132             | 134             | 126              | 131       | 132             | 140        | 140        | 140             |
| Nepal                           |     | 9               | 9               | 9              | 10              | 12              |                 |                 |                 |                 | 13              |                 | 116               | 115             | 117             | 113             | 107             | 110              | 101       | 106             | 104        | 112        | 110             |
| Netherlands                     |     | 47              | 47              | 46             | 46              | 46              | 46              | 46              | 46              | 46              | 45              | 46              | 2                 | 2               | 3               | 3               | 3               | 3                | 3         | 3               | 3          | 3          | 3               |
| New Zealand<br>Nicaragua        | _   | <u>37</u><br>14 | <u>36</u><br>14 | 35<br>12       | 35              | <u>35</u><br>11 | <u>34</u><br>12 | 35<br>13        | <u>34</u><br>14 | <u>34</u><br>13 | 35<br>11        | 36<br>10        | <u>22</u><br>102  | 25<br>101       | 25<br>109       | 27<br>106       | 24<br>112       | 29<br>107        | 25<br>107 | 29<br>101       | 30<br>107  | 26<br>120  | 23<br>119       |
| Niger                           |     |                 | 10              | 4              | 8               | 5               | 6               | 6               |                 | 5               | 6               | 4               | 124               | 112             | 136             | 119             | 135             | 130              | 129       | 125             | 133        | 131        | 134             |
| Nigeria                         |     | 34              | 33              | 29             | 30              | 31              | 31              | 34              | 35              | 35              | 33              | 30              | 29                | 35              | 43              | 41              | 41              | 39               | 31        | 27              | 26         | 31         | 42              |
| Norway                          |     | 42              | 42              | 42             | 41              | 42              | 41              | 40              | 40              | 39              | 39              | 39              | 11                | 11              | 10              | 15              | 8               | 10               | 12        | 11              | 18         | 18         | 17              |
| Oman                            |     | 15              | 15              | 16             | 14              | 18              | 17              | 19              | 17              | 15              | 16              | 19              | 94                | 99              | 95              | 100             | 85              | 86               | 81        | 85              | 94         | 95         | 86              |
| Pakistan                        |     | 30              | 30              | _29            | 29              | 29              | 29              | 29              | 28              | 33              | 33              | 34              | 44                | 44              | _44             | _45             | _47             | _46              | 44        | 48              | 33         | 33         | 32              |
| Panama                          |     | 13              | 15              |                | 17              | 15              | 17              | 19              | 19              | 26              | 30              | 29              | 105               | 95              | 90              | 91              | 98              | 87               |           | 81              | 55         | 44         | 45              |
| Paraguay                        |     | 5<br>31         | 6<br>31         | 7<br>32        | 7               | 7<br>32         | 8               | 10<br>33        | 10<br>33        | 10<br>32        | 12<br>32        | 16<br>34        | <br>              | 130<br>43       | 124<br>36       | 124<br>40       | 124<br>35       | 124<br>33        | 119<br>34 | 114<br>34       | 114<br>36  | 116<br>34  | <u>98</u><br>31 |
| Peru<br>Philippines             |     | 34              | 35              | 33             | 31              | 33              | 34              | 35              | 35              | 37              | 37              | 35              | <u>45</u><br>30   | 29              | 31              | 37              | 35              | 31               | 24        | 25              | 22         | 23         | 26              |
| Poland                          |     | 32              | 33              | 32             | 33              | 31              | 30              | 29              | 29              | 31              | 30              | 30              | 36                | 34              | 38              | 32              | 38              | 41               | 43        | 40              | 41         | 41         | 43              |
| Portugal                        | _   | 32              | 33              | 33             | 32              | 31              | 31              | 31              | 29              | 29              | 29              | 29              | 35                | 33              | 33              | 33              | 37              | 40               | 40        | 43              | 46         | 45         | 46              |
| Qatar                           |     | 23              | 23              | 23             | 24              | 25              | 27              | 29              | 29              | 30              | 30              | 31              | 66                | 64              | 65              | 59              | 60              | 52               | 47        | 41              | 43         | 42         | 40              |
| Romania                         | _   | 24              | 24              | 21             | 22              | 23              | 21              | 21              | 21              | 21              | 21              | 21              | 64                | 62              | 73              | 67              | 64              | 71               | 68        | 71              | 68         | 71         | 74              |
| Russian Federation              |     | 33              | _34             | _29            | 29              | 30              | _29             | _29             | 28              | 33              | 31              | 32              | 33                | 31              | _47             | _43             | _45             | 42               | 45        | 45              | 32         | 37         | 37              |
| Rwanda                          |     | 6               | 5               | 6              | 7               | 9               | 11              | 11              | 9               | 8               | 7               | 7               | 128               | 131             | 126             | 126             | 119             | 112              | 112       | 119             | 121        | 124        | 127             |
| Saudi Arabia                    |     | <u>31</u><br>7  | 32              | <u>34</u><br>7 | 32              | <u>32</u><br>10 | 35<br>11        | 35<br>12        | 35<br>11        | 36<br>12        | 35<br>13        | 35<br>17        | 41<br>127         | 38<br>122       | 29<br>121       | 35<br>123       | 34<br>116       | 25<br>114        | 27<br>111 | 24<br>113       | 24<br>110  | 25<br>113  | 27<br>96        |
| Senegal<br>Serbia               |     | 16              | <br>16          | 16             | <br>17          | 10              | 16              | 12              | 16              | 12              | 15              | 17              | 88                | 91              | 89              | 93              | 92              | 94               | 91        | 90              | 89         | 90         | 89              |
| Singapore                       |     | 36              | 36              | 36             | 36              | 36              | 37              | 37              | 37              | 38              | 38              | 39              | 24                | 23              | 22              | 22              | 23              | 21               | 21        | 22              | 21         | 20         | 19              |
| Slovak Republic                 | _   | 24              | 25              | 27             | 25              | 24              | 23              | 21              | 22              | 21              | 23              | 23              | 62                | 59              | 53              | 56              | 62              | 63               | 70        | 67              | 69         | 68         | 68              |
| Slovenia                        |     | 26              | 26              | 26             | 25              | 25              | 25              | 25              | 25              | 25              | 26              | 26              | 59                | 57              | 55              | 58              | 59              | 59               | 56        | 59              | 57         | 59         | 60              |
| South Africa                    |     | 35              | 35              | 34             | 34              | 33              | 31              | 34              | 33              | 33              | 33              | 33              | 27                | 28              | 28              | 28              | 33              | 38               | 32        | 32              | 34         | 32         | 34              |
| Spain                           |     | 41              |                 |                | 41              | 40              | 40              | 39              | 39              | 40              | 39              | 39              | 14                |                 |                 |                 |                 | 14               |           | 13              |            |            |                 |
| Sri Lanka                       |     | 32              | 32              | 30             |                 | 30              | 29              | 29              |                 | 30              | 30              | 32              | 40                | 37              | 42              | 47              | 46              | 44               | 46        | 42              | 44         | 40         | 36              |
| Suriname<br>Sweden              |     | 9 44            | 6<br>44         | <u>6</u><br>43 | 43              | 5<br>2          | 4               | 41              | 4<br>39         | <u>3</u><br>40  | 13<br>40        | 14<br>40        | <u>117</u><br>6   | <u>125</u><br>6 | <u>130</u><br>6 | <u>138</u><br>6 | <u>132</u><br>9 | 135<br>12        | 136<br>10 | 136<br>14       | 138<br>11  | 109<br>12  | 108<br>12       |
| Switzerland                     |     | 43              | 44              | 43             | 42              | 43              | 41              | 41              | 42              | 42              | 43              | 43              |                   |                 |                 |                 | 6               | -12              | 9         | 7               | 8          | 7          | 6               |
| Taiwan (China)                  |     | 35              | 34              | 33             | 34              | 34              | 34              | 35              | 34              | 34              | 34              | 34              | 26                | 30              | 30              | 29              | 28              | 27               | 29        | 28              | 28         | 30         | 29              |
| Tanzania                        |     | 27              | 29              | 27             | 24              | 26              | 24              | 24              | 22              | 19              | 20              | 18              | 54                | 46              | 52              | 60              | 57              | 60               | 61        | 65              | 79         | 75         | 88              |
| Thailand                        |     | 32              | 32              | 33             | 33              | 34              | 35              | 36              | 38              | 39              | 39              | 39              | 39                | 39              | 34              | 31              | 26              | 24               | 22        | 19              | 14         | 15         | 14              |
| Тодо                            |     | 9               | 9               | 8              | 7               | 11              | 12              | 12              | 14              | 14              | 15              | 14              | 115               | 116             | 119             | 125             | 113             | 108              | 108       | 99              | 101        | 99         | 112             |
| Trinidad and Tobago             |     |                 | 16              | 16             | 18              | 17              | 16              | 16              | 15              | 14              | 15              | 15              | 96                | 90              | 94              | 87              | 89              | 96               | 94        | 98              | 99         | 97         | 105             |
| Tunisia<br>Turkey               |     | 21<br>34        | 20<br>33        | 21<br>34       | 20              | 21<br>37        | 21              | 20              | 22              | 20              | 19<br>37        | 19<br>38        |                   | 75              | 75              | 80              | 71<br>21        | <br>             | 74        | <u>66</u><br>20 | 72         | 79         | 82              |
| Uganda                          |     | 16              | 16              | <br>           | <u>36</u><br>18 | <br>            | 15              | <u>38</u><br>14 | <br>15          | <u>38</u><br>14 | <br>15          | 13              | 87                | 89              | 27<br>86        | 23<br>85        | 90              | <br>97           | 19<br>102 | 96              | 97         | 22<br>98   | 113             |
| Ukraine                         |     | 15              | 16              | 17             | 18              | 17              | 16              | 16              | 17              | 18              | 18              | 19              | 90                | 88              | 88              | 88              | 93              | 95               | 93        | 86              | 83         | 83         | 84              |
| United Arab Emirates            |     | 28              | 27              | 28             | 28              | 28              | 27              | 29              | 30              | 30              | 31              | 32              | 48                | 53              | 50              | 48              | 50              | 51               | 42        | 39              | 42         | 38         | 38              |
| United Kingdom                  |     | 50              | 50              | 50             | 49              | 49              | 49              | 49              | 49              | 49              | 49              | 49              | 1                 | 1               | 1               | 1               | 1               | 1                | 1         | 1               | 1          | 1          | 1               |
| United States                   |     | 46              | 46              | 47             | 47              | 47              | 47              | 47              | 47              | 47              | 47              | 47              | 3                 | 3               | 2               | 2               | 2               | 2                | 2         | 2               | 2          | 2          | 2               |
| Uruguay                         | _   | 21              | 25              | 25             | 19              | 21              | 21              | 21              | 23              | 24              | 25              | 28              | 71                | 61              | 61              | 83              | 70              | 72               | 69        | 63              | 63         | 62         | 53              |
| Uzbekistan                      |     | 8               | 6               | 5              | 6               | 4               | 6               | 6               | 4               | 4               | 4               | 4               | 121               | 129             | 131             | 128             | 137             | 129              | 128       | 137             | 136        | 139        | 138             |
| Venezuela, RB                   |     | 14              | 15              | 16             | 14              |                 |                 | 21              |                 | 18              | 18              | 19              | 99                | 92              | 93              | 98              | 97              | 84               | 71        | 83              | 85         | 85         | 85              |
| Vietnam<br>Vemen Benublis       |     | 27              | 25              | 26             | 25              | 29              | 32              | 33              | 32              | 31              | 31              | 31              |                   | 58              | 56              | 57              | 48              | 35               | 35        | 35              | 38         | 39         | 41              |
| Yemen, Republic<br>Zambia       |     | 74              | 9<br>3          | <u>13</u><br>4 | <u>11</u><br>4  | <u>11</u><br>3  | <u>13</u><br>3  | <u>14</u><br>5  | <u>11</u><br>7  | <u>15</u><br>6  | <u>14</u><br>7  | 9<br>8          | 126<br>136        | 114<br>137      | 105<br>137      | 110<br>136      | 111<br>140      | 104<br>137       | 99<br>132 | 111<br>127      | 93<br>127  | 102<br>127 | 124<br>125      |
| Zimbabwe                        |     |                 |                 | -4             | -4              |                 |                 | 8               |                 | 6               |                 | 6               | 120               | 137             | 114             | 120             | 123             | 123              | 125       | 127             | 127        | 127        | 125             |
|                                 |     | 2               | 5               |                | v               | v               |                 |                 | ,               |                 | ,               |                 | .20               |                 |                 |                 | .23             | .25              |           |                 |            |            |                 |

# FIGURE A.1 // THE 2015 DHL GLOBAL CONNECTEDNESS INDEX, TRADE PILLAR ONLY

| 1. Belgium                                          |   |    |    | 1   | 1  |     |
|-----------------------------------------------------|---|----|----|-----|----|-----|
| 2. Singapore                                        |   |    |    |     |    |     |
| 3. Netherlands                                      |   |    |    | 1   | 1  |     |
| 4. Malaysia                                         |   |    |    | I   |    |     |
| 5. Thailand                                         |   |    |    | 1   | 1  |     |
| 6. United Arab Emirates<br>7. Hong Kong SAR (China) |   |    |    | 1   |    |     |
| 7. Hong Kong SAR (China)<br>8. Switzerland          |   |    |    | 1   |    |     |
| 9. Taiwan (China)                                   |   |    |    | 1   | 1  |     |
| 10. Vietnam                                         |   |    |    | 1   |    |     |
| 11. Korea, Republic                                 |   |    | l  |     |    |     |
| 12. Czech Republic                                  |   |    |    |     |    |     |
| 13. Hungary                                         |   |    |    |     |    |     |
| 14. Cambodia                                        |   | _  | l  | 1   |    |     |
| 15. Ireland<br>16. Malta                            |   |    | 1  | I   |    |     |
| 17. Germany                                         |   | _  | 1  |     |    |     |
| 18. Congo, Republic                                 |   |    |    | 1   |    |     |
| 19. Denmark                                         |   |    | l  | 1   |    |     |
| 20. South Africa                                    |   |    |    |     |    |     |
| 21. Kuwait                                          |   |    |    |     |    |     |
| 22. Slovenia                                        |   |    |    |     |    |     |
| 23. Ukraine                                         |   |    | L  | 1   |    |     |
| 24. Oman                                            |   |    |    | 1   |    |     |
| 25. Lithuania<br>26. Bulgaria                       |   |    |    | 1   |    |     |
| 26. Bulgaria<br>27. Slovak Republic                 |   |    |    | 1   |    |     |
| 28. Saudi Arabia                                    |   |    |    | 1   |    |     |
| 29. Iceland                                         |   |    |    | 1-  |    |     |
| 30. United Kingdom                                  |   |    |    |     |    |     |
| 31. Qatar                                           |   |    |    |     |    |     |
| 32. Israel                                          |   |    | I  |     |    |     |
| 33. Luxembourg                                      |   |    | I  | L   |    |     |
| 34. Panama                                          |   |    | 1  | 1   |    |     |
| 35. Austria<br>36. Sweden                           |   |    | 1  | I.  |    |     |
| 36. Sweden<br>37. Jordan                            |   |    |    | 1   |    |     |
| 38. Poland                                          |   |    | 1  | I.  |    |     |
| 39. Mauri]us                                        |   |    |    | T . |    |     |
| 40. Ghana                                           |   |    |    | (   |    |     |
| 41. Estonia                                         |   |    |    | 1   |    |     |
| 42. New Zealand                                     |   |    | I  |     |    |     |
| 43. Italy                                           |   |    |    |     |    |     |
| 44. Spain                                           |   |    |    |     |    |     |
| 45. France<br>46. Honduras                          |   |    |    |     |    |     |
| 46. Honduras<br>47. Chile                           |   |    |    |     |    |     |
| 48. Madagascar                                      |   |    |    |     |    |     |
| 49. Turkey                                          |   |    |    |     |    |     |
| 50. Philippines                                     |   |    |    |     |    |     |
| 51. Bahrain                                         |   |    |    |     |    |     |
| 52. Russian Federa]on                               |   |    | I  |     |    |     |
| 53. Morocco                                         |   |    | 1  |     |    |     |
| 54. Norway<br>55. Cote d'Ivoire                     |   |    |    |     |    |     |
| 56. China                                           |   |    |    |     |    |     |
| 57. Finland                                         |   |    |    |     |    |     |
| 58. Serbia                                          |   |    |    |     |    |     |
| 59. India                                           |   |    |    |     |    |     |
| 60. Togo                                            |   |    |    |     |    |     |
| 61. Latvia                                          |   |    |    |     |    |     |
| 62. Romania                                         |   |    | I  |     |    |     |
| 63. Japan                                           |   |    | 1  |     |    |     |
| 64. Portugal                                        |   |    |    |     |    |     |
| 65. Fiji<br>66. Brazil                              |   |    |    |     |    |     |
| 67. Guyana                                          |   |    |    |     |    |     |
| 68. Lebanon                                         |   |    |    |     |    |     |
| 69. Macedonia, FYR                                  |   |    |    |     |    |     |
| 70. Angola                                          |   |    |    |     |    |     |
|                                                     | 0 | 20 | 40 | 60  | 80 | 100 |
|                                                     |   |    |    |     |    |     |

| 71. Tunisia                                |     |
|--------------------------------------------|-----|
| 72. Georgia                                |     |
| 73. Sri Lanka                              |     |
| 74. United States                          |     |
| 75. Peru<br>76. Sepagal                    |     |
| 76. Senegal<br>77. Suriname                |     |
| 78. Indonesia                              |     |
| 79. Greece                                 |     |
| 30. Mozambique                             |     |
| 31. Bangladesh                             |     |
| 32. Bolivia                                |     |
| 33. Armenia                                |     |
| 34. Moldova<br>35. CroaLa                  |     |
| 36. Belarus                                |     |
| 37. Nicaragua                              |     |
| 38. Ethiopia                               |     |
| 39. Australia                              |     |
| 90. Mexico                                 |     |
| 91. Costa Rica                             |     |
| 92. Egypt, Arab Republic                   |     |
| 93. Paraguay<br>94. ArgenLna               |     |
| 95. Cyprus                                 |     |
| 96. Canada                                 |     |
| 97. Uruguay                                |     |
| 98. Guinea                                 |     |
| 99. Ecuador                                |     |
| 100. Colombia                              |     |
| 101. Jamaica<br>102. Namibia               |     |
| 103. Gambia, The                           |     |
| 104. Benin                                 |     |
| 105. Albania                               |     |
| 106. Pakistan                              |     |
| 107. Kenya                                 |     |
| 108. Bosnia & Herzegovina                  |     |
| 109. Cameroon<br>110. Kazakhstan           |     |
| 111. Botswana                              |     |
| 112. Mongolia                              |     |
| 113. Kyrgyz Republic                       |     |
| 14. Montenegro                             |     |
| 115. Azerbaijan                            |     |
| 116. Brunei Darussalam<br>117. Nigeria     |     |
| 117. Migeria<br>118. Macau SAR (China)     |     |
| 119. Trinidad and Tobago                   |     |
| I20. Guatemala                             |     |
| 121. Tanzania                              |     |
| 122. Uganda                                |     |
| 123. Bahamas, The                          |     |
| 124. Zambia<br>125. El Salvador            |     |
| 126. Barbados                              |     |
| 127. Dominican Republic                    |     |
| I28. Zimbabwe                              |     |
| 129. Venezuela, RB                         |     |
| 130. Yemen, Republic                       |     |
| 131. Niger                                 |     |
| 132. Nepal<br>133. Iran, Islamic Republic  |     |
| 133. Iran, Islamic Republic<br>134. Rwanda |     |
| 135. Lao PDR                               |     |
| 136. Burkina Faso                          |     |
| 137. Myanmar                               |     |
| 138. Uzbekistan                            |     |
| 139. Mali                                  |     |
| 140. Burundi                               | 0   |
|                                            | . 0 |
|                                            |     |

Depth

# FIGURE A.2 // THE 2015 DHL GLOBAL CONNECTEDNESS INDEX, CAPITAL PILLAR ONLY

| 1 Luxombourg                               |      | 1   | 1  |    | 71 🕫   | Salvador |   |    |    |    |    |     |
|--------------------------------------------|------|-----|----|----|--------|----------|---|----|----|----|----|-----|
| 1. Luxembourg<br>2. Ireland                |      |     | 1  | I  | 71. El |          |   |    |    |    |    |     |
| 3. Netherlands                             |      |     | 1  | L  | 72. D  | JIIVId   |   |    |    |    |    |     |
| 4. Switzerland                             |      | -   | 1  |    |        |          |   |    |    |    |    |     |
| 5. Denmark                                 |      | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 6. Singapore                               |      | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 7. Norway                                  | 1    | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 8. Sweden                                  |      | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 9. United States                           |      | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 10. United Kingdom                         |      | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 11. Germany                                |      | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 12. France                                 |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 13. Canada                                 |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 14. Spain                                  |      |     | 1  |    |        |          |   |    |    |    |    |     |
| 15. Belgium                                |      |     |    |    |        |          |   |    |    |    |    |     |
| 16. Austria                                |      |     |    |    |        |          |   |    |    |    |    |     |
| 17. Portugal                               |      | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 18. Finland                                |      | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 19. Australia                              |      | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 20. Hungary                                |      | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 21. Israel<br>22. Japan                    |      | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 23. Kazakhstan                             |      | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 24. Korea, Republic                        |      | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 25. Mexico                                 |      | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 26. Malta                                  |      | 1   | 1  |    |        |          |   |    |    |    |    |     |
| 27. Italy                                  |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 28. Panama                                 |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 29. Chile                                  |      |     |    |    |        |          |   |    |    |    |    |     |
| 30. Bulgaria                               |      |     |    |    |        |          |   |    |    |    |    |     |
| 31. Brazil                                 |      |     |    |    |        |          |   |    |    |    |    |     |
| 32. Czech Republic                         |      |     |    |    |        |          |   |    |    |    |    |     |
| 33. South Africa                           |      |     |    |    |        |          |   |    |    |    |    |     |
| 34. Bahrain                                |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 35. Saudi Arabia<br>36. Thailand           |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 37. New Zealand                            |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 38. Poland                                 |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 39. Barbados                               |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 40. Slovenia                               |      |     |    |    |        |          |   |    |    |    |    |     |
| 41. Cyprus                                 |      |     |    |    |        |          |   |    |    |    |    |     |
| 42. Malaysia                               |      |     |    |    |        |          |   |    |    |    |    |     |
| 43. Iceland                                |      |     |    |    |        |          |   |    |    |    |    |     |
| 44. Qatar                                  |      |     |    |    |        |          |   |    |    |    |    |     |
| 45. Hong Kong SAR (China)                  |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 46. Lebanon<br>47. Colombia                |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 48. Mauri\us                               |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 49. Estonia                                |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 50. Greece                                 |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 51. Latvia                                 |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 52. Turkey                                 |      |     |    |    |        |          |   |    |    |    |    |     |
| 53. China                                  |      |     |    |    |        |          |   |    |    |    |    |     |
| 54. Philippines                            |      |     |    |    |        |          |   |    |    |    |    |     |
| 55. Serbia                                 |      |     |    |    |        |          |   |    |    |    |    |     |
| 56. Russian Federa\on                      | 1    | 1   |    |    |        |          |   |    |    |    |    |     |
| 57. Slovak Republic<br>58. Mongolia        | I    | - T |    |    |        |          |   |    |    |    |    |     |
| 59. Croa\a                                 |      | -1  |    |    |        |          |   |    |    |    |    |     |
| 60. India                                  |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 61. Ukraine                                |      | 1   |    |    |        |          |   |    |    |    |    |     |
| 62. Lithuania                              |      | - I |    |    |        |          |   |    |    |    |    |     |
| 63. Indonesia                              |      |     |    |    |        |          |   |    |    |    |    |     |
| 64. Argen\na                               |      |     |    |    |        |          |   |    |    |    |    |     |
| 65. Romania                                |      |     |    |    |        |          |   |    |    |    |    |     |
| 66. Kuwait                                 |      |     |    |    |        |          |   |    |    |    |    |     |
| 67. Morocco                                |      |     |    |    |        |          |   |    |    |    |    |     |
| 68. Kyrgyz Republic                        |      |     |    |    |        |          |   |    |    |    |    |     |
| 69. Egypt, Arab Republic<br>70. Bangladesh |      |     |    |    |        |          |   |    |    |    |    |     |
| , o. Dangiadesii                           | 0 20 | 40  | 60 | 80 | 100    |          | 0 | 20 | 40 | 60 | 80 | 100 |
|                                            |      |     |    |    |        |          | - | -  |    |    |    |     |

Breadth

# FIGURE A.3 // THE 2015 DHL GLOBAL CONNECTEDNESS INDEX, INFORMATION PILLAR ONLY

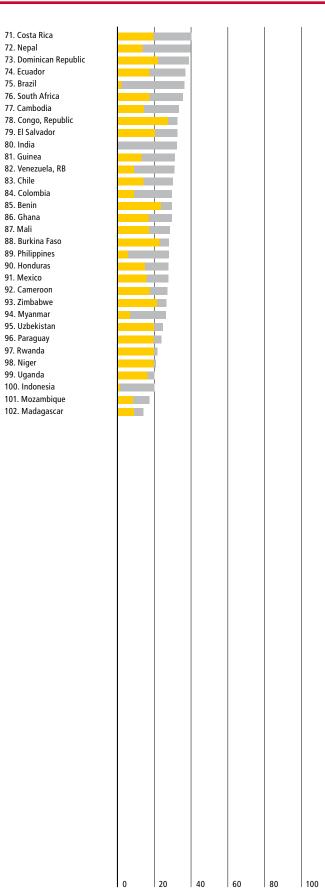
| 1. United Kingdom         |      |       | 1 | 71. Kazakhstan           |   |   |   |   |   |
|---------------------------|------|-------|---|--------------------------|---|---|---|---|---|
| 2. Netherlands            |      | I     |   | 72. Bangladesh           |   | 1 |   |   |   |
| 3. Canada                 |      | 1     |   | 73. Bosnia & Herzegovina |   |   | - |   |   |
| 4. Australia              |      | 1     |   | 74. Uruguay              |   | I |   |   |   |
| 5. Israel                 |      | 1 1   |   | 75. Indonesia            |   |   |   |   |   |
| 6. Singapore              |      | 1     |   | 76. Ukraine              |   |   |   |   |   |
| 7. United States          |      | 1     |   | 77. Bolivia              |   |   |   |   |   |
| 8. New Zealand            |      |       |   | 78. Belarus              |   |   |   |   |   |
| 9. Switzerland            |      |       |   | 79. Ghana                |   |   |   |   |   |
| 10. France                |      |       |   | 80. Venezuela, RB        |   |   |   |   |   |
| 11. Italy                 |      | 1     |   | 81. Egypt, Arab Republic |   |   |   |   |   |
| 12. Germany               |      |       |   | 82. Namibia              |   |   |   |   |   |
| 13. Sweden                |      |       |   | 83. Cote d'Ivoire        |   |   |   |   |   |
| 14. United Arab Emirates  |      |       |   | 84. Zimbabwe             |   |   |   |   |   |
| 15. Spain                 |      |       |   | 85. Uzbekistan           |   |   |   |   |   |
| 16. Greece                |      |       |   |                          |   |   |   |   |   |
| 17. Hong Kong SAR (China) |      |       |   |                          |   |   |   |   |   |
| 18. Belgium               |      |       |   |                          |   |   |   |   |   |
| 19. Ireland               |      |       |   |                          |   |   |   |   |   |
| 20. Denmark               |      |       |   |                          |   |   |   |   |   |
| 21. Norway                |      |       |   |                          |   |   |   |   |   |
| 22. Japan                 |      |       |   |                          |   |   |   |   |   |
| 23. Thailand              |      |       |   |                          |   |   |   |   |   |
| 24. Philippines           |      |       |   |                          |   |   |   |   |   |
| 25. Korea, Republic       |      |       |   |                          |   |   |   |   |   |
| 26. Malaysia              |      |       |   |                          |   |   |   |   |   |
| 27. Hungary               |      |       |   |                          |   |   |   |   |   |
| 28. Taiwan (China)        |      |       |   |                          |   |   |   |   |   |
| 29. Cyprus                |      |       |   |                          |   |   |   |   |   |
| 30. Poland                |      |       |   |                          |   |   |   |   |   |
| 31. Portugal              |      |       |   |                          |   |   |   |   |   |
| 32. Qatar                 |      |       |   |                          |   |   |   |   |   |
| 33. Barbados              |      |       |   |                          |   |   |   |   |   |
| 34. Brazil                |      | 1     |   |                          |   |   |   |   |   |
| 35. Bulgaria              |      | 1 1   |   |                          |   |   |   |   |   |
| 36. Austria               |      |       |   |                          |   |   |   |   |   |
| 37. Romania               |      | I     |   |                          |   |   |   |   |   |
| 38. Costa Rica            |      | т — т |   |                          |   |   |   |   |   |
| 39. Colombia              |      | т т   |   |                          |   |   |   |   |   |
| 40. Slovak Republic       |      | 1 1   |   |                          |   |   |   |   |   |
| 41. Czech Republic        |      | 1 1   |   |                          |   |   |   |   |   |
| 42. Finland               |      | 1     |   |                          |   |   |   |   |   |
| 43. Saudi Arabia          |      | 1     |   |                          |   |   |   |   |   |
| 44. Peru                  |      |       |   |                          |   |   |   |   |   |
| 45. India                 |      | 1     |   |                          |   |   |   |   |   |
| 46. Macau SAR (China)     |      |       |   |                          |   |   |   |   |   |
| 47. Chile                 |      |       |   |                          |   |   |   |   |   |
| 48. Estonia               |      |       |   |                          |   |   |   |   |   |
| 49. Dominican Republic    |      |       |   |                          |   |   |   |   |   |
| 50. Pakistan              |      |       |   |                          |   |   |   |   |   |
| 51. ArgenZna              |      |       |   |                          |   |   |   |   |   |
| 52. China                 |      |       |   |                          |   |   |   |   |   |
| 53. El Salvador           |      |       |   |                          |   |   |   |   |   |
| 54. Oman                  |      |       |   |                          |   |   |   |   |   |
| 55. Panama                |      |       |   |                          |   |   |   |   |   |
| 56. Mexico                |      |       |   |                          |   |   |   |   |   |
| 57. CroaZa                |      |       |   |                          |   |   |   |   |   |
| 58. Ecuador               |      |       |   |                          |   |   |   |   |   |
| 59. Guatemala             |      |       |   |                          |   |   |   |   |   |
| 60. Albania               |      |       |   |                          |   |   |   |   |   |
| 61. South Africa          |      |       |   |                          |   |   |   |   |   |
| 62. Lao PDR               |      |       |   |                          |   |   |   |   |   |
| 63. Armenia               |      |       |   |                          |   |   |   |   |   |
| 64. Nigeria               |      |       |   |                          |   |   |   |   |   |
| 65. Russian FederaZon     |      |       |   |                          |   |   |   |   |   |
| 66. Moldova               |      |       |   |                          |   |   |   |   |   |
| 67. Serbia                |      |       |   |                          |   |   |   |   |   |
|                           |      |       |   |                          |   |   |   |   |   |
| 68. Kenya                 |      |       | 1 | 1                        | 1 |   |   | 1 | 1 |
| 68. Kenya<br>69. Jordan   |      |       |   |                          |   |   |   |   |   |
|                           | 0 20 |       |   |                          |   |   |   |   |   |

100

Depth

## FIGURE A.4 // THE 2015 DHL GLOBAL CONNECTEDNESS INDEX, PEOPLE PILLAR ONLY

|                                   | 1 1 1 1        | I    |
|-----------------------------------|----------------|------|
| 1. Switzerland                    |                | ţ.   |
| 2. Iceland                        |                | 1    |
| 3. Germany<br>4. United Kingdom   | I I            | 1    |
| 5. Ireland                        |                |      |
| 6. Norway                         |                |      |
| 7. Sweden                         |                | ÷    |
| 8. Netherlands                    |                |      |
| 9. France                         |                |      |
| 10. Belgium<br>11. Finland        | I I            |      |
| 12. Malta                         |                |      |
| 13. Luxembourg                    |                | i    |
| 14. Italy                         |                |      |
| 15. Israel                        |                |      |
| 16. Canada                        |                |      |
| 17. Cyprus<br>18. Austria         |                |      |
| 19. Australia                     |                |      |
| 20. Hungary                       |                | 1    |
| 21. New Zealand                   |                |      |
| 22. Denmark                       |                |      |
| 23. Greece                        |                |      |
| 24. Latvia<br>25. Lebanon         |                |      |
| 26. Hong Kong SAR (China)         |                |      |
| 27. Czech Republic                |                |      |
| 28. Portugal                      |                |      |
| 29. Bulgaria                      |                |      |
| 30. Qatar                         |                |      |
| 31. Estonia<br>32. Lithuania      |                |      |
| 33. Romania                       |                |      |
| 34. Spain                         |                |      |
| 35. CroaYa                        |                |      |
| 36. Slovenia                      |                |      |
| 37. Slovak Republic               |                |      |
| 38. Poland<br>39. United States   | r              |      |
| 40. Brunei Darussalam             |                |      |
| 41. Macau SAR (China)             |                |      |
| 42. Barbados                      |                |      |
| 43. MauriYus                      |                |      |
| 44. Saudi Arabia                  |                |      |
| 45. Malaysia                      |                |      |
| 46. Oman<br>47. Kazakhstan        |                |      |
| 48. Sri Lanka                     |                |      |
| 49. Trinidad and Tobago           |                |      |
| 50. Georgia                       |                |      |
| 51. Armenia                       |                |      |
| 52. Belarus                       |                |      |
| 53. Jordan                        |                |      |
| 54. Turkey<br>55. Azerbaijan      |                |      |
| 56. Thailand                      |                |      |
| 57. Ukraine                       |                |      |
| 58. Moldova                       |                |      |
| 59. Bosnia & Herzegovina          |                |      |
| 60. Russian FederaYon             |                |      |
| 61. Serbia<br>62. Macadania, EVP  |                |      |
| 62. Macedonia, FYR<br>63. Morocco |                |      |
| 64. Guyana                        |                |      |
| 65. Peru                          |                |      |
| 66. Lao PDR                       |                |      |
| 67. Albania                       |                |      |
| 68. Mongolia                      |                |      |
| 69. Tunisia<br>70. Potowana       |                |      |
| 70. Botswana                      | 0 20 40 60     | 80   |
|                                   | IV IZV I4V 100 | 1 00 |



Depth

100

# APPENDIX B. DATA SOURCES, REGRESSION RESULTS, REGION CLASSIFICATIONS

This appendix cites the data sources employed in the generation and analysis of the DHL Global Connectedness Index and provides additional technical details. It is divided into three parts: First, it lists the data sources that were used to generate the DHL Global Connectedness Index, separately providing sources for depth and for breadth, as well as the data sources for structural and policy drivers of connectedness reported in the country profiles. Second, it provides tabular results from the regression analysis of depth scores based on countries' structural factors described in Chapter 2. Third, it provides a table showing how countries were classified into regions.

| Part 1: Data Sources Employed                | 241 |
|----------------------------------------------|-----|
| Part 2: Regression Analysis Results          | 247 |
| Part 3: Regional Classification of countries | 248 |

# Part 1: Data Sources Employed

# TABLE B.1 // DATA SOURCES EMPLOYED TO CALCULATE DEPTH SCORES

| Pillar      | Variable                           | Definition                                                                                                                                                                                         | Source                                                                                                          |  |  |  |
|-------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--|--|--|
| Trade       | Merchandise Exports                | Value of exports, free on board (FOB), reported by exporting countries in US dollars as a percentage of GDP.                                                                                       | World Trade Organization Statistics Database<br>(http://stat.wto.org/Home/WSDBHome.aspx)                        |  |  |  |
|             | Merchandise Imports                | Value of imports, cost, insurance and freight (CIF), reported by importing countries in US dollars as a percentage of GDP.                                                                         |                                                                                                                 |  |  |  |
|             | Services Exports                   | Value of exports of commercial services in US dollars as a percentage of GDP.                                                                                                                      |                                                                                                                 |  |  |  |
|             | Services Imports                   | Value of imports of commercial services in US dollars as a percentage of GDP.                                                                                                                      |                                                                                                                 |  |  |  |
| Capital     | FDI Outward Stocks                 | FDI outward stock at year-end as a percentage of GDP.                                                                                                                                              | World Investment Report 2016                                                                                    |  |  |  |
|             | FDI Inward Stocks                  | FDI inward stock at year-end as a percentage of GDP.                                                                                                                                               | (UNCTAD) (http://unctad.org/en/pages/<br>PublicationWebflyer.aspx?publicationid=1555)                           |  |  |  |
|             | FDI Outflows                       | FDI outflows as percentage of gross fixed capital formation (GFCF). Data are presented as the average of the outflows in the current year and the two previous years to reduce volatility.         | r ubicationwebiyer.aspr:pubicationid=1555)                                                                      |  |  |  |
|             | FDI Inflows                        | FDI inflows as percentage of GFCF. Data are presented as the average of the inflows in the current year and the two previous years to reduce volatility.                                           |                                                                                                                 |  |  |  |
|             | Portfolio Equity Outward Stocks    | Equity securities assets position at year-end as a percentage of stock market capitalization.                                                                                                      | Balance of Payments and International Invest-<br>ment Position Statistics (BOP/IIP) from IMF                    |  |  |  |
|             | Portfolio Equity Inward Stocks     | Equity securities liabilities position at year-end as a percent-<br>age of stock market capitalization.                                                                                            | (http://data.imf.org/bop)                                                                                       |  |  |  |
|             | Portfolio Equity Outflows          | Equity securities assets (net) as a percentage of stock market capitalization. Data are presented as the average of the current year and the two previous years to reduce volatility.              |                                                                                                                 |  |  |  |
|             | Portfolio Equity Inflows           | Equity securities liabilities (net) as a percentage of stock mar-<br>ket capitalization. Data are presented as the average of the<br>current year and the two previous years to reduce volatility. |                                                                                                                 |  |  |  |
| Information | Internet Bandwidth                 | International Internet bandwidth per Internet user.                                                                                                                                                | International Telecommunication Union (ITU)<br>(http://www.itu.int/ITU-D/ict/publications/<br>world/world.html) |  |  |  |
|             | Incoming Telephone Call<br>Minutes | Total incoming telephone calling minutes per capita<br>(TDM + VoIP).                                                                                                                               | TeleGeography International Traffic Database<br>(https://www.telegeography.com/research-                        |  |  |  |
|             | Outgoing Telephone Call<br>Minutes | Total outgoing telephone calling minutes per capita<br>(TDM + VoIP).                                                                                                                               | services/telegeography-report-database/)                                                                        |  |  |  |
|             | Printed Publications Exports       | Value of exports of HS49 per capita. HS49 includes printed books, newspapers, pictures, manuscripts, typescripts and plans.                                                                        | UN Comtrade database (http://comtrade.un.org/)                                                                  |  |  |  |
| F           | Printed Publications Imports       | Value of imports of HS49 per capita. HS49 includes printed books, newspapers, pictures, manuscripts, typescripts and plans.                                                                        | -                                                                                                               |  |  |  |

# TABLE B.1 // (CONTINUED) DATA SOURCES EMPLOYED TO CALCULATE DEPTH SCORES

| Pillar                        | Variable                           | Definition                                                                                                                                                                                                                                                                                                                   | Source                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| People                        | Emigrants                          | Natives living abroad as a percentage of population.                                                                                                                                                                                                                                                                         | United Nations, Department of Economic and<br>Social Affairs, Population Division, International<br>Migrant Stock by destination and origin (http://<br>www.un.org/en/development/ desa/population/<br>migration/data/estimates2/estimates15.shtml)                                                                                                                                  |
|                               | Immigrants                         | Residents born abroad as a percentage of population.                                                                                                                                                                                                                                                                         | United Nations, Department of Economic and<br>Social Affairs, Population Division, International<br>Migrant Stock by destination and origin (http://<br>www.un.org/en/development/desa/ population/<br>migration/data/estimates2/estimates15.shtml);<br>data for Taiwan were retrieved from Statistical<br>Yearbook of the Interior (http://sowf.moi.gov.<br>tw/stat/year/elist.htm) |
|                               | Outbound Tourists                  | Departures of overnight visitors (tourists) relative to total population.                                                                                                                                                                                                                                                    | Compendium of Tourism Statistics, UNWTO<br>(http://www.e-unwto.org/toc/unwtotfb/                                                                                                                                                                                                                                                                                                     |
|                               | Inbound Tourists                   | Arrivals of non-resident overnight visitors (tourists) at national borders relative to total population.                                                                                                                                                                                                                     | current)                                                                                                                                                                                                                                                                                                                                                                             |
|                               | Outgoing International<br>Students | Total number of students studying abroad as a percentage of total tertiary students.                                                                                                                                                                                                                                         | Outbound mobility ratio of tertiary students<br>(students from a given country studying<br>abroad) from the Students Mobility indicators,<br>UNESCO Institute for Statistics (http://data.uis.<br>unesco.org/)                                                                                                                                                                       |
|                               | Incoming International<br>Students | Total number of foreign students as a percentage of total tertiary students.                                                                                                                                                                                                                                                 | Foreign Students as % of All Higher Education<br>Students in Euromonitor Passport database<br>(http://www.portal.euromonitor.com/)                                                                                                                                                                                                                                                   |
| Variables<br>for<br>Rescaling | Gross Domestic Product             | Gross domestic product, current prices in US dollars.                                                                                                                                                                                                                                                                        | World Economic Outlook database from Interna-<br>tional Monetary Fund (http://www.imf.org/<br>external/ns/cs.aspx?id=28)                                                                                                                                                                                                                                                             |
|                               | Market Capitalization              | Stock market capitalization, current prices in US dollars.                                                                                                                                                                                                                                                                   | Euromonitor Passport database (http://www.<br>portal.euromonitor.com/)                                                                                                                                                                                                                                                                                                               |
|                               | Population                         | De facto total population, both sexes in a country as of July 1<br>of the year indicated; includes all residents regardless of legal<br>status or citizenship, except for refugees not permanently set-<br>tled in the country of asylum, who are generally considered<br>part of the population of their country of origin. | United Nations, Department of Economic and<br>Social Affairs, Population Division, World<br>Population Prospects, the 2015 Revision<br>(https://esa.un.org/unpd/wpp/)                                                                                                                                                                                                                |
|                               | Tertiary Students                  | Enrollment in all tertiary education programs, public and<br>private, full- and part-time. Note: This variable is only used<br>to calculate weighted average depth ratios across country<br>groups as the raw data are already provided in ratio form.                                                                       | Enrollment in tertiary education, all programs,<br>both sexes, from UNESCO Institute for Statis-<br>tics (http://data.uis.unesco.org/)                                                                                                                                                                                                                                               |

# TABLE B.2 // DATA SOURCES EMPLOYED TO CALCULATE BREADTH SCORES

| Pillar      | Variable                           | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Source                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Trade       | Merchandise Exports                | Value of exports, free on board (FOB), reported by exporting countries in US dollars.                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Direction of Trade Statistics (DOT) from the<br>IMF (http://data.imf.org/dot); data for selected<br>countries were retrieved from UN Comtrade                                                                                                                                                                                                                                                                                                                                                      |
|             | Merchandise Imports                | Value of imports, cost, insurance and freight (CIF), reported by importing countries in US dollars.                                                                                                                                                                                                                                                                                                                                                                                                                                          | database due to better coverage of reported<br>world totals (http://comtrade.un.org/)                                                                                                                                                                                                                                                                                                                                                                                                              |
| Capital     | FDI Outward Stocks                 | Outward FDI position at year-end in US dollars.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Coordinated Direct Investment Survey (CDIS)<br>from the IMF (http://data.imf.org/cdis) where<br>available for 2009-2014; secondary source for                                                                                                                                                                                                                                                                                                                                                      |
|             | FDI Inward Stocks                  | Inward FDI position at year-end in US dollars.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | data from 2005-2012: UNCTAD Bilateral FDI<br>Statistics 2014 (http://unctad.org/en/Pages/DIAE/<br>FDI%20Statistics/FDI-Statistics-Bilateral.aspx)                                                                                                                                                                                                                                                                                                                                                  |
|             | FDI Outflows                       | FDI outflows in US dollars. Data are presented as the average of the current year and the two previous years to reduce volatility.                                                                                                                                                                                                                                                                                                                                                                                                           | UNCTAD Bilateral FDI Statistics 2014<br>(http://unctad.org/en/Pages/DIAE/FDI%20<br>Statistics/FDI-Statistics-Bilateral.aspx)                                                                                                                                                                                                                                                                                                                                                                       |
|             | FDI Inflows                        | FDI inflows in US dollars. Data are presented as the average of the current year and the two previous years to reduce volatility.                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|             | Portfolio Equity Outward Stocks    | Portfolio Equity assets in US dollars.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Coordinated Portfolio Investment Survey (CPIS)<br>from the IMF (http://www.imf.org/external/np/<br>sta/pi/geo.htm)                                                                                                                                                                                                                                                                                                                                                                                 |
| Information | Incoming Telephone Call<br>Minutes | Minutes of phone calls by country of origin and destination.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TeleGeography (http://www.telegeography.com/<br>index.html)                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|             | Outgoing Telephone Call<br>Minutes | Minutes of phone calls by country of origin and destination.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|             | Printed Publications Exports       | Bilateral exports of the sub-headings included under the code 49 according to the Harmonized System Classification reported by exporters.                                                                                                                                                                                                                                                                                                                                                                                                    | UN Comtrade database (http://comtrade.un.org/)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|             | Printed Publications Imports       | Bilateral imports of the sub-headings included under the code 49 according to the Harmonized System Classification reported by importers.                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| People      | Emigrants                          | Migrants by country of origin and destination.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | United Nations, Department of Economic and<br>Social Affairs, Population Division, International<br>Migrant Stock by destination and origin (http://<br>www.un.org/en/development/ desa/population/<br>migration/data/estimates2/estimates15.shtml);<br>data from the 2013 Edition used in cases where<br>coverage of reported world totals in 2015 was<br>inadequate                                                                                                                              |
|             | Immigrants                         | Migrants by country of origin and destination.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | United Nations, Department of Economic and<br>Social Affairs, Population Division, International<br>Migrant Stock by destination and origin (http://<br>www.un.org/en/development/desa/ population/<br>migration/data/estimates2/estimates15.shtml);<br>data from the 2013 Edition used in cases where<br>coverage of reported world totals in 2015 was<br>inadequate; data for Taiwan were retrieved<br>from Statistical Yearbook of the Interior<br>(http://sowf.moi.gov.tw/stat/year/elist.htm) |
|             | Inbound Tourists                   | Arrivals of overnight tourists by country of residence or by<br>country of nationality (using measures taken at borders or at<br>lodging establishments, depending on data availability). In<br>cases where destination countries reported more than one<br>measure, preference was given to measures providing the<br>broadest coverage across origin countries. In cases where<br>only data on stays at hotels or other lodging establishments<br>were available, those values were rescaled for comparability<br>with the preferred data. | Compendium of Tourism Statistics, UNWTO<br>(http://www.e-unwto.org/toc/unwtotfb/current)                                                                                                                                                                                                                                                                                                                                                                                                           |
|             | Incoming International<br>Students | Incoming students by country of origin.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | UNESCO Institute for Statistics<br>(http://data.uis.unesco.org)                                                                                                                                                                                                                                                                                                                                                                                                                                    |

# TABLE B.3 // DATA SOURCES EMPLOYED FOR STRUCTURAL AND POLICY DRIVERS OF CONNECTEDNESS REPORTED IN COUNTRY PROFILES (AND USED IN REGRESSION ANALYSIS)

| Category                                 | Variable                  | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Source                                                                                                                                                                                                                                                                                                              |  |  |
|------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Structural                               | GDP per capita            | Gross Domestic Product per capita. This variable is presented in current US dollars and enters the regression analysis transformed into natural logarithms.*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | World Economic Outlook database from Intern<br>tional Monetary Fund (http://www.imf.org/<br>external/ns/cs.aspx?id=28)                                                                                                                                                                                              |  |  |
|                                          | Linguistic<br>Commonality | The percent of the rest of the world's GDP that shares an official language with each country.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Authors' calculations based on GDP data<br>from World Economic Outlook database from<br>International Monetary Fund (http://www.<br>imf.org/external/ns/cs.aspx?id=28); data on<br>countries' official languages from CEPII GeoDist<br>database (http://www.cepii.fr/cepii/en/bdd_<br>modele/presentation.asp?id=6) |  |  |
|                                          | Remoteness                | How far is a country from the rest of the world based on the measure<br>proposed by Wei (1996):<br>$Remoteness_{k} = \sum_{j \neq k} w_{j} * \log(Distance_{jk})$ $Where w_{j} = \frac{GDP_{j}}{\sum_{i \neq j} GDP_{i}}$ It has been normalized between 0 and 10 using min-max normaliza-<br>tion.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Authors' calculations based on GDP from World<br>Economic Outlook database from International<br>Monetary Fund (http://www.imf.org/external/<br>ns/cs.aspx?id=28); data on distance between<br>countries from CEPII GeoDist database<br>(http://www.cepii.fr/cepii/en/bdd_modele/<br>presentation.asp?id=6)         |  |  |
|                                          | Population                | De facto total population, both sexes in a country as of July 1 of the year indicated; includes all residents regardless of legal status or citi-<br>zenship, except for refugees not permanently settled in the country of asylum, who are generally considered part of the population of their country of origin. This variable enters the regression analysis transformed into natural logarithms.*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | United Nations, Department of Economic and<br>Social Affairs, Population Division, World Popu-<br>lation Prospects, the 2015 Revision (https://esa.<br>un.org/unpd/wpp/).                                                                                                                                           |  |  |
|                                          | Landlocked                | Binary variable equal to 1 if the country is landlocked and 0 other-<br>wise.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CEPII GeoDist database (http://www.cepii.fr/<br>cepii/en/bdd_modele/presentation.asp?id=6)                                                                                                                                                                                                                          |  |  |
| General<br>Policies/<br>Environ-<br>ment | Operating<br>Environment  | A sub-index in the Global Enabling Trade index. This sub-index meas-<br>ures the quality of key institutional factors impacting the business of<br>importers and exporters active in a country.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | The Global Enabling Trade Report 2014 from th<br>World Economic Forum (https://www.weforum<br>org/reports/global-enabling-trade-report-2014,                                                                                                                                                                        |  |  |
|                                          | Infrastructure            | A sub-index in the Global Enabling Trade index. This sub-index<br>assesses the availability and quality of transport infrastructure of<br>a country, associated services, and communication infrastructure<br>necessary to facilitate the movement of goods within the country and<br>across the border.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | The Global Enabling Trade Report 2014 from t<br>World Economic Forum (https://www.weforun<br>org/reports/global-enabling-trade-report-2014                                                                                                                                                                          |  |  |
|                                          | Press Freedom             | An index obtained through a questionnaire that assess the degree<br>of freedom that journalists, news organizations and netizens enjoy<br>in each country and the efforts made by the authorities to respect<br>and ensure respect for this freedom. It includes violations directly af-<br>fecting journalists (such as murders, imprisonment, physical attacks<br>and threats) and news media (censorship, confiscation of newspaper<br>issues, searches and harassment), the degree of impunity enjoyed<br>by those responsible for these press freedom violations, as well as<br>government interference in editorial content or the transparency of<br>government decision-making. The original index has been reversed<br>(scores subtracted from the maximum value) so that higher values<br>may be interpreted as a reflecting a freer situation and re-scaled<br>between 0 and 100 using min-max normalization. | 2016 World Press Freedom Report from Reporters Without Borders (http://en.rsf.org/)                                                                                                                                                                                                                                 |  |  |
|                                          | Labor Freedom             | A quantitative measure that reflects various aspects of the legal<br>and regulatory framework of a country's labor market. It provides<br>cross-country data on regulations concerning minimum wages, laws<br>inhibiting layoffs, severance requirements, and measurable regula-<br>tory burdens on hiring, hours, and so on.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Heritage Foundation 2016 Index of Economic<br>Freedom (based on data from the World Bank's<br>Doing Business Report) (http://www.heritage.<br>org/index/labor-freedom)                                                                                                                                              |  |  |
|                                          | Financial Freedom         | A measure of banking efficiency as well as a measure of independ-<br>ence from government control and interference in the financial<br>sector. The index is scored between 0 and 100 in such a way that a<br>value of 100 means negligible government influence (more freedom)<br>and 0 means repressive.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Heritage Foundation 2016 Index of Economic<br>Freedom (http://www.heritage.org/index/<br>financial-freedom)                                                                                                                                                                                                         |  |  |

## TABLE B.3 // (CONTINUED) DATA SOURCES EMPLOYED FOR STRUCTURAL AND POLICY DRIVERS OF CONNECTEDNESS REPORTED IN COUNTRY PROFILES (AND USED IN REGRESSION ANALYSIS)

| Category                       | Variable                           | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Source<br>The Global Enabling Trade Report 2014 from the<br>World Economic Forum (https://www.weforum.<br>org/reports/global-enabling-trade-report-2014/)      |  |  |
|--------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Globali-<br>zation<br>Policies | Enabling Trade Index               | An index that assesses the extent to which economies have in place<br>institutions, policies, infrastructures and services facilitating the free<br>flow of goods over borders and to their destination. This set of trade-<br>enabling factors are organized in four main categories: market access,<br>border administration, infrastructure and operating environment.                                                                                                                                                                                               |                                                                                                                                                                |  |  |
|                                | Tariffs (Weighted<br>mean applied) | Average of effectively applied rates weighted by the product import shares corresponding to each partner country.                                                                                                                                                                                                                                                                                                                                                                                                                                                       | World Development Indicators from World Bank<br>(http://databank.worldbank.org/ddp/home.do)                                                                    |  |  |
|                                | Capital Account<br>Openness        | The Chinn-Ito Index (KAOPEN) is an index that measures a country's degree of de jure capital account openness. The index was initially introduced in Chinn and Ito (Journal of Development Economics, 2006). KAOPEN is based on the binary dummy variables that codify the tabulation of restrictions on cross-border financial transactions reported in the IMF's Annual Report on Exchange Arrangements and Exchange Restrictions (AREAER). The version of the index used here is normalized to range between zero and one. A higher score means a more open country. | The Chinn-Ito Index 2016 (http://web.pdx.<br>edu/~ito/Chinn-Ito_website.htm)                                                                                   |  |  |
|                                | Visa Free Travel<br>(Outward)      | An index which scores each country or territory according to the number of other countries that its citizens can travel to without having to obtain a visa.                                                                                                                                                                                                                                                                                                                                                                                                             | The Henley & Partners Visa Restrictions<br>Index 2016 (https://www.henleyglobal.com/<br>international-visa-restrictions/)                                      |  |  |
|                                | Visa Free Travel<br>(Inward)       | The visa requirements component of the World Economic Forum<br>Travel & Tourism Competitiveness Index. It is scored for each destina-<br>tion country according to the following scale: $100 = no$ visa required<br>for visitors from all source markets, $0 =$ traditional visa required for<br>visitors from every source market.                                                                                                                                                                                                                                     | The Travel & Tourism Competitiveness<br>Report 2015 from the World Economic Forum<br>(http://www3.weforum.org/docs/WEF_TT_<br>Competitiveness_Report_2013.pdf) |  |  |

\*Since these variables are in logarithmic form but the dependent variable is not in logarithmic form, the interpretation of the coefficient should be the following: a change of 1% in the explanatory variables will produce a change of 0.01\*coefficient in the dependent variable.

# TABLE B.4 // DATA SOURCES EMPLOYED TO CALCULATE CITY-LEVEL GLOBALIZATION INDEXES

| Pillar                        | Variable                                    | Definition                                                                                                                                                                                                                                                                                                                                                                  | Source<br>Euromonitor Passport (http://www.euromonitor.<br>com/passport); data for Doha from World Trade<br>Organization (WTO) Statistics Database (http://<br>stat.wto.org); data for the following US cities:<br>Atlanta, Dallas, Detroit, Minneapolis-Saint Paul,<br>San Diego, Seattle from International Trade<br>Administration US Department of Commerce<br>(http://tse.export.gov/metro/MetroChartDisplay.<br>aspx?ReportID=1&Referrer=SelectReports.as<br>px&DataSource=Metro&ReportOption=Cha<br>rt); data for Dubai from Dubai Statistics Center<br>(https://www.dsc.gov.ae/ar-ae/Themes/Pages/<br>International-Trade.aspx?Theme=26); data for<br>Nagoya, Osaka, Tokyo from Trade Statistics of<br>Japan (http://www.customs.go.jp/toukei/srch/<br>indexe.htm?M=25&P=0) |  |  |
|-------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Trade                         | Exports                                     | Value of exports, free on board (FOB), reported by exporting cities<br>in US dollars. Exports, wherever possible, are based on the location<br>where goods were produced rather than where they were exported<br>(i.e. the city where a product is manufactured rather than the port<br>via which it is exported).                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| Capital                       | Outward Announced<br>Greenfield FDI         | Data reflect cross border investment out of a city in a new physical project or expansion of an existing investment in a foreign country. Data measure capital expenditure on all projects that are announced in a given year in US dollars, and enter the analysis as the average of the current year and the two previous years to reduce volatility.*                    | fDi Markets Database (Financial Times) (https://<br>www.fdimarkets.com/)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
|                               | Inward Announced<br>Greenfield FDI          | Data reflect foreign cross border investment into the city of a<br>new physical project or expansion of an existing investment. Data<br>measure capital expenditure on all projects that are announced in a<br>given year in US dollars, and enter the analysis as the average of the<br>current year and the two previous years to reduce volatility.*                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| Informa-<br>tion              | Average Internation-<br>al Internet Traffic | Data reflect traffic over Internet bandwidth connected across inter-<br>national borders. Data as of mid-year in Gbps.                                                                                                                                                                                                                                                      | Telegeography Global Internet Geography<br>Database (https://www.telegeography.com/<br>research-services/global-internet-geography/)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| People                        | Foreign Citizens                            | Foreign citizens are persons who usually reside in a city but are not citizens of the country within which that city is located.                                                                                                                                                                                                                                            | Euromonitor Passport (http://www.euromonitor.<br>com/passport); data for the following US cities:<br>Atlanta, Dallas, Detroit, Minneapolis-Saint Paul,<br>San Diego, Seattle from American FactFinder<br>United States Census Bureau (http://factfinder.<br>census.gov/faces/tableservices/jsf/pages/<br>productview.xhtml?pid=ACS_14_5YR_<br>B05001&prodType=table)                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|                               | Inbound Arrivals                            | Arrivals refers to international tourists visiting another country for a period between 24 hours and 12 months. They are recorded based on the number of trips rather than the number of unique visitors (who may visit more than once).                                                                                                                                    | Euromonitor Passport (http://www.euromonitor.<br>com/passport)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| Variables<br>for<br>Rescaling | Gross Domestic<br>Product                   | Gross domestic product, current prices in US dollars.                                                                                                                                                                                                                                                                                                                       | Euromonitor Passport (http://www.euromonitor<br>com/passport)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
|                               | Population                                  | De facto total population, both sexes, in a city as of July 1 of the year indicated for the majority of countries (others reported Jan 1 or Oct 1); includes all residents regardless of legal status or citizenship, except for refugees not permanently settled in the country of asylum, who are generally considered part of the population of their country of origin. | Euromonitor Passport (http://www.euromonitor<br>com/passport)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |

\* The source for these variables contains data at the level of cities proper rather than metropolitan areas. For consistency with the rest of the analysis, we estimate metropolitan area data for these variables by aggregating the city proper data within a radius from the central city that approximates the size of each metropolitan area.

## Part 2: Regression Analysis Results

# TABLE B.5 //

# **REGRESSION OF GLOBAL CONNECTEDNESS SCORES, DEPTH SCORES AND BREADTH SCORES** ON STRUCTURAL FACTORS

|                         | Global Connectedness |            | Depth     |           | Breadth    |            |
|-------------------------|----------------------|------------|-----------|-----------|------------|------------|
|                         | (1)                  | (2)        | (1)       | (2)       | (1)        | (2)        |
| GDP per Capita (logged) | 8.889***             | 8.458***   | 3.018***  | 2.839***  | 5.878***   | 5.623***   |
|                         | (0.549)              | (0.535)    | (0.363)   | (0.356)   | (0.374)    | (0.375)    |
| Remoteness              | -1.290***            | -1.958***  | -1.181*** | -1.459*** | -0.110     | -0.500**   |
|                         | (0.359)              | (0.348)    | (0.225)   | (0.220)   | (0.234)    | (0.246)    |
| Population (logged)     | 1.388***             | 1.453***   | -3.016*** | -2.988*** | 4.407***   | 4.442***   |
|                         | (0.463)              | (0.418)    | (0.280)   | (0.265)   | (0.331)    | (0.318)    |
| Landlocked              |                      | -2.987*    |           | -1.212    | _          | -1.790     |
|                         |                      | (1.731)    |           | (0.956)   |            | (1.295)    |
| Linguistic commonality  |                      | 18.680***  |           | 7.820**   |            | 10.870***  |
|                         |                      | (5.152)    |           | (3.518)   |            | (3.938)    |
| Constant                | -37.023***           | -32.749*** | 29.177*** | 30.946*** | -66.329*** | -63.752*** |
|                         | (6.946)              | (7.069)    | (4.219)   | (4.247)   | (4.802)    | (5.123)    |
| Observations            | 1,658                | 1,658      | 1,660     | 1,660     | 1,659      | 1,659      |
| Adjusted R-squared      | 0.707                | 0.736      | 0.676     | 0.689     | 0.737      | 0.757      |

Year fixed effects, robust standard errors clustered by country in parentheses

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

## Part 3: Regional Classification of countries

# TABLE B.6 // REGIONAL CLASSIFICATION OF COUNTRIES

| Region                                  | Countries                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| East Asia & Pacific                     | Australia, Brunei Darussalam, Cambodia, China, Fiji, Hong Kong SAR (China), Indonesia, Japan, Republic of Korea,<br>Lao PDR, Macau SAR (China), Malaysia, Mongolia, Myanmar, New Zealand, Philippines, Singapore, Taiwan (China),<br>Thailand, Vietnam                                                                                                                                                                                   |  |  |
| Europe                                  | Albania, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark,<br>Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg,<br>FYR Macedonia, Malta, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federatic<br>Serbia, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom |  |  |
| Middle East & North Africa              | Bahrain, Egypt, Iran, Israel, Jordan, Kuwait, Lebanon, Morocco, Oman, Qatar, Saudi Arabia, Tunisia,<br>United Arab Emirates, Yemen                                                                                                                                                                                                                                                                                                       |  |  |
| North America                           | Canada, Mexico, United States                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| South & Central America & the Caribbean | Argentina, Bahamas, Barbados, Bolivia, Brazil, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvad<br>Guatemala, Guyana, Honduras, Jamaica, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad and Tobago,<br>Uruguay, Venezuela                                                                                                                                                                                      |  |  |
| South & Central Asia                    | Armenia, Azerbaijan, Bangladesh, Georgia, India, Kazakhstan, Kyrgyz Republic, Nepal, Pakistan, Sri Lanka, Turkey,<br>Uzbekistan                                                                                                                                                                                                                                                                                                          |  |  |
| Sub-Saharan Africa                      | Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Republic of Congo, Cote d'Ivoire, Ethiopia, Gambia,<br>Ghana, Guinea, Kenya, Madagascar, Mali, Mauritius, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal,<br>South Africa, Tanzania, Togo, Uganda, Zambia, Zimbabwe                                                                                                                                                      |  |  |

#### **Photo Credits**

Edu Ferrer Alcover, 1; Roger Rovira Rius, 2 (inside cover) Andreas Kühlken (p. 2) Edu Ferrer Alcover (p. 3) Deutsche Post DHL (p. 5/image 1) All other photos by gettyimages/thinkstock

#### Imprint

Publisher: Deutsche Post DHL Group, Headquarters Responsible Prof. Dr. Christof E. Ehrhart, Head of Corporate Communications and Responsibility 53250 Bonn, Germany

Project Leadership Deutsche Post DHL Group: Jill Meiburg, Theresa Niklas

Editorial Design: Dirk Hrdina, Antje Schäbethal

The views expressed in this study are the views of the authors and do not necessarily reflect the views or policies of Deutsche Post DHL Group.

valid: October 2016

© Deutsche Post AG, Bonn, Germany

Praise for the DHL Global Connectedness Index:

"The Netherlands has for centuries been a nation with wideranging international trade links, an open outlook and a closely knit network of connections with other countries. That was true in the 17th century, when Dutch ships sailed the high seas on highly successful commercial voyages. And it is still true in the 21st century, when our country is the gateway to Europe and a world leader in online connectivity. We understand like no other the importance of staying connected in every possible way: with our state of the art infrastructure, our trading ties, our sound legislative and institutional framework and, last but not least, our digital network. The DHL Global Connectedness Index is a benchmark that helps us stay sharp, adapt to new developments and stay active in the global vanguard connected to the future."

Mark Rutte, Prime Minister and Minister of General Affairs of the Netherlands

"In the current global economic climate where the threat of increased protectionism and isolationist tendencies is of genuine concern, this report offers a compelling argument, based on a methodologically robust analysis, of why increased global and regional inter-connectedness and openness is the more prudent policy path on which to proceed."

Pascal Lamy, Honorary President of the Paris-based think tank, Notre Europe, and Former Director-General of the World Trade Organization

"There is no better index that measures the overall global connectedness of nations—encompassing flows of goods and services, capital, people, and information across borders. An absolutely indispensable reference for discussions on the state of globalization, including debates on whether it is moving forward or backwards."

Dani Rodrik, Ford Foundation Professor of International Political Economy at Harvard's John F. Kennedy School of Government

#### dhl.com