



Petcore Europe Conference 2019

Representing the PET
value chain since 1993

EU Plastics Strategy 2.0

**Taking the PET industry
to the next step**

6 - 7 February 2019

Renaissance Brussels Hotel
Rue du Parnasse 19, 1050 Brussels

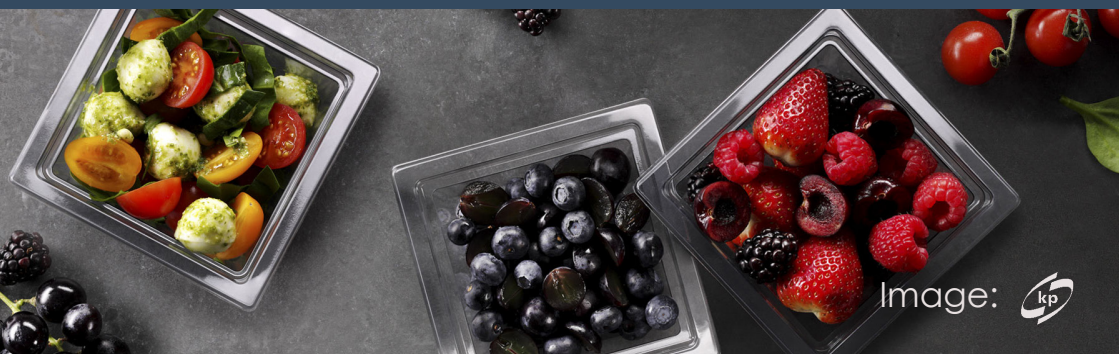


www.petcore-europe.org



Petcore Europe - focusing on circularity

Petcore Europe, based in Brussels, is the association representing **the complete PET value chain in Europe since 1993**. It brings together a unique range of specialists from the PET value chain, including the **PET producers** (CPME), the **PET packaging converters** (EuPC, Forum PET Europe, EuPET), the **PET recyclers** (PRE) and **over 60 member companies** involved in the design, marketing and manufacture of innovative PET packaging, associated colour masterbatches and additives, labels and other marking solutions, extended producer responsibility, sorting and recycling equipment and activities.



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Programme

Petcore Europe Conference 2019

Moderators: Christian Crépet, Petcore Europe & Jim Armstrong, Kermadec

Day 1: Wednesday, 6 February 2019

PET Market & Strategy

11:30 - 12:45 Petcore Europe General Assembly
(for members only)

12:30 - 13:30 *Networking Lunch & Registration*

13:30 - 13:40 Welcome

Session 1 - 2017 PET market, collection & recycling rates

13:40 - 14:00 **PET market 2017 - Collection & Recycling Survey**
- *Susan Mair, ICIS*

14:00 - 14:20 **PET thermoforms & ODR containers**
- *Alessandra Funcia, Sukano*

14:20 - 14:40 Panel debate

14:40 - 15:20 *Networking Coffee*





Session 2 - Changing supply & demand: viewpoints from the value chain

15:20 - 15:40	VPET - PET Producers' view <i>- Steve Scott, Committee of PET Manufacturers in Europe (CPME)</i>
15:40 - 16:20	PET Converters' view: <ul style="list-style-type: none">• PET bottles <i>- Marc De Voogd, Alpla</i>• PET thermoforms <i>- Jose Antonio Alarcon, Selenis</i>
16:20 - 16:40	RPET - PET Recyclers' view <i>- Casper van den Dungen, Plastics Recyclers Europe (PRE)</i>
16:40 - 17:00	Panel debate
17:00 - 17:15	Wrap-up & Closing
17:30 - 18:30	<i>Networking Drink (for all conference participants)</i>
19:30	<i>Networking Dinner (seperate ticket required)</i>

Programme

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Day 2: Thursday, 7 February 2019

Circularity and Trends in Recycling

08:30 - 09:15 Networking Coffee & Registration

Session 3 - EU Plastics Strategy 2.0

**09:15 - 09:50 EU Plastics Strategy & SUP Directive
Summary 2018/Outlook 2019**

*- Christian Crépet, Petcore Europe &
Laure Baillargeon, DG Grow*

09:50 - 10:10 The changing world of energy

- Samuel Furfari, Free University of Brussels

**10:10 - 10:30 Consumer/workplace use of PET,
a regulatory perspective**

- Mike Neal, CPME

10:30 - 11:00 Panel debate

11:00 - 11:30 Networking Coffee





Session 4 - Trends & solutions in PET post-consumer collection

- 11:30 - 11:50 **Holy Grail - global recognition project on markers and digital watermarks**
- *Gian de Belder, Procter & Gamble*
- 11:50 - 12:10 **Deposit - where do we stand today?**
- *Clarissa Morawski, Reloop*
- 12:10 - 12:30 **Curbside Collection - the way forward?**
- *An Vossen, PLAREBEL/EPRO (European Association of Plastics Recycling and Recovery Organisations)*
- 12:30 - 12:45 Panel debate
- 12:45 - 13:45 *Networking Lunch*

Session 5 - Trends in PET Trays, Textile & ODR Recycling

- 13:45 - 14:05 **Trends in PET Thermoforms Recycling**
- *Paolo Glerean, Aliplast*
- 14:05 - 14:25 **Trends in Textile Recycling**
- *Karla Magruder, Fabrikology*
- 14:25 - 14:45 **Trends in ODR Recycling, Full body sleeves and labels**
- *Gian de Belder, Procter & Gamble*

14:45 - 15:00 **PET Aerosol Recycling**
- Johannes Burghaus, Procter & Gamble

15:00 - 15:15 Panel debate

15:15- 15:45 *Networking Coffee*

Session 6 - Eco-Design and Recycling

15:45-16:05 **Eco-Design and Recycling**
- Fabrizio Di Gregorio, PRE

Session 7 - Trends in Chemical Recycling

Moderation and Introduction by Wim Hoenderdaal, Indorama

16:05-16:10 **Introduction** - Wim Hoenderdaal

16:10-16:50 **Carbios** - Martin Stephan

Cumapol - Marco Brons

IFP Energies Nouvelles - Frédéric Favre

Loop Industries - Nelson Switzer

16:50-17:05 Panel Debate

17:05-17:15 Wrap-up and Closing



Notes

Speakers' Biographies



Susan Mair - ICIS

Susan is an industry analyst with a Master's degree in Chemical Engineering from the University of Edinburgh and previous roles in the consumer goods industry. Since joining ICIS, Susan has worked on analysing supply, demand and price dynamics of the global polyester chain. She then moved to focus on fundamentals of the recycled PET market in 2018 and was the principal researcher for the ICIS Petcore study.



Alessandra Funcia - Sukano

Alessandra is Head of Sales and Marketing at Sukano AG, as well as a Management Member, where she is responsible for the sustainable and profitable growth of the company, including the planning, development and implementation of marketing strategies and communication activities, with a focus on polyester resins, recyclability and bioplastics. She holds a bachelor's degree in Chemistry from the University of São Paulo (USP), an Executive MBA at Fundação Dom Cabral (member

of EMBAC) and a Post Grad in Innovation, Design and Strategy in the Packaging Market from the Escola Superior de Propaganda e Marketing (ESPM, member of EMBAC). Alessandra has almost 20 years experience working in leading global & regional roles at multinational companies focused on the colour and additives masterbatches business.



Stephen Scott - CPME

Born and educated in Northumberland, Stephen started his career with the Central Electricity Generating Board in 1972 in Control and Electrical Engineering, he joined ICI in 1979. In the early 90's Stephen joined the Polyester Projects Team as Training Manager. During the following 10 years, he was responsible for training local engineers and process teams from PTA plants built and licensed by ICI in Taiwan, China, Indonesia, India, and Pakistan. In the following years,

Stephen moved with the Business to DuPont, Sabancie Holdings and La Sada de Barcelona. Stephen is currently Director of HSE HR and Technology for Lotte Chemical UK and was recently appointed the Director responsible to the CEO for the construction and commissioning of their new Melt to Resin Plant LC1. Stephen has a Master of Science Degree awarded by Loughborough University.



Casper van den Dungen - PRE

Casper has been active in PET recycling for more than 25 years. He started as mechanical engineer with a specialisation in plastic processing. He has been responsible for PolyRecycling since 2000, worked in multiple concepts to make a food grade RPET and is experienced in all RPET applications. He jointly founded the European Plastics Recyclers Association, EuPR, in 1997, which is now called Plastics Recyclers Europe (PRE). Casper has been Vice President of PRE and Chairman of the Working Group PET ever since. He jointly founded EPBP in 2008 and became member of the Steering Board and the Technical Committee. Since 2013 he is part of Petcore Europe in the Technical Committee and BoD, as well as Vice President since 2016. PET recycling has been his work and hobby for more than 25 years.



Marc De Voogd - Alpla

Marc has been the General Manager of Alpla France since 2013 and of Alpla France and Iberia since 2018. He is based in Geneva, Switzerland and responsible for the Operational Management of 12 plants and 1100 employees. From 1995 to 2003, Marc worked as Process Engineer for Heineken in Holland and France, as well as in different positions for Eridania Beghin-Say in Hungary, Austria and France. Before joining Alpla in 2013, Marc held the position of Director Procurement at Bunge EMEA in Switzerland for 10 years. He holds a Master's Degree in Physics from the Delft University of Technology in the Netherlands and underwent a Leadership Development Program at the Washington University in St. Louis. Marc represents Alpla in three packaging associations. He is the president of Forum PET Europe and on the Board of Petcore Europe and Elipso.



Jose Antonio Alarcon - Evertis

Jose Antonio has been involved in the Polyester industry since 1995 when he joined Eastman Chemical. He has developed different functions at all the levels of the organisation in Eastman Chemical, Artenius and Selenis, developing those functions in different geographical locations in Europe and the Americas. Currently, Jose Antonio is working as Independent Consultant for the polyester industry, and is collaborating with Evertis in the sustainability journey of the company through the circular economy. Jose Antonio has a Bachelor's Degree in Industrial Chemistry from the University of Granada (Spain).



Christian Crépet - Petcore Europe

Christian was the Managing Director of SOREPLA INDUSTRIE, one of the first and the largest European PET recycling company, where he worked for over 21 years. He started his career working for Dow Chemical in France, U.K. and Ireland and held managerial positions for Eni Chem France, U.K. and Ireland. Christian holds an executive MBA from Hautes Etudes Commerciales (HEC), Paris, France. He has always been very active for the PET value chain and was involved as Director

in VALORPLAST (France) at the association's very beginning. Christian held the position of Vice-President at Plastics Recyclers Europe, where he was Founder/Chairman of the HDPE/PP Working Group and Vice-Chairman of the PET Working Group. He is also co-founder of EPBP (European PET Bottle Platform). Christian is a long time Board member of Petcore Europe, where he took over as Executive Director in April 2017.



Laure Baillargeon - DG GROW

Laure has been working in the field of industrial policy at DG GROW since 2007. She has experience in eco-design, general SME and industrial policy, and support to close-to-market research and innovation in the field of industrial technologies. She currently works on the voluntary pledges and the Circular Plastics Alliance under the European Plastics Strategy.



Samuel Furfari - Free University of Brussels

Samuel earned a BSc degree in chemical engineering from the Free University of Brussels (ULB). He received his PhD from the same university with a thesis in the field of energy. He has been working for 36 years at the European Commission where he has devoted his entire career to energy. He designed and implemented various energy policies and sustainable development. He also contributed to the coordination of various energy policies by advising the Director General. He also

worked for the European EnergyForum which is a group of Members of European Parliament. Samuel has been teaching Geopolitics of Energy at the Free University of Brussels since 2003. He is the author of 10 books on energy and sustainable development and many articles. An Italian citizen, Dr. Samuel Furfari was born in Charleroi in 1953.



Mike Neal - CPME

Ex ICI, DuPont and Invista, Mike has been in Product Stewardship for almost forty years. He is currently Chairman of the CPME HSE Committee. He manages four REACH consortia, the Polyester Monomers Consortium, the Fluoromonomers Consortium, the Fluorotelomers Consortium and the Bisphenol A Fluoro Consortium.



Gian de Belder - Procter & Gamble

In his 20-year career at P&G, Gian has helped drive R&D into sustainable packaging across the company. He has been involved in developing key partnerships across the value chain and managing open innovation through P&G's Connect & Develop Programme. Gian is a board member of Petcore Europe and co-chairman of the Packaging Task Force at the A.I.S.E. He is also active in other industry associations such as FostPlus.

Most recently, Gian is helping lead a pioneering project on the standardisation of markers/ watermarks in packaging (barcode for recycling), to increase efficiencies in high-quality sorting and recycling. Since 2018, Gian is also official juror for PackTheFuture (Elipso+IKV) and DuPont Packaging Innovation Awards. He has been elected finalist for the 2018 EU Plastic Recycling Ambassador (Plastic Recyclers Europe). Gian is 43 years old and holds a degree in Polymer & Composites Engineering from Leuven University.



Clarissa Morawski - Reloop

In 2015, Clarissa co-founded and is currently the Managing Director of the Reloop Platform - a European Association comprised of industry, NGOs and cities that collectively support policy to further a circular economy. Clarissa brings over 20 years of technical, analytical and communications experience in waste minimisation policy and operations, and she's worked with companies within the PET value chain in both North

America and Europe. Since 1998, Clarissa has been tracking and analysing system operations, costs and performance of both deposit return and non-deposit return schemes for packaging collection and recycling. Clarissa has written over 100 articles and cover stories on product stewardship and waste management for North American recycling publications, including Resource Recycling, where she contributes a bi-monthly column on recycling called Dispatches from Europe.



An Vossen - PLAREBEL / EPRO

With more than 10 years of experience in the field of plastic recycling, An has worked with a variety of national and international sorting centres, recycling companies and recycling organisations, contributing to an efficient implementation of the recycling activities in Belgium. Her career has led her to specialise more and more in packaging 'design for recycling' and new recycling technologies such as bottle-to-bottle recycling. She is currently the Executive Manager PLAREBEL and Head of Working Group on Bottle Recycling EPRO.



Paolo Glerean - Aliplast

Paolo holds a Degree in Economics from the Trieste University in Italy. He has 20 years of professional experience in Business administration, managing of plastics recycling companies and R&D on plastics recycling. Since 2011 he is responsible for Business Development, Strategic Business, Institutional Affairs as well as national and European lobby at Aliplast (Italy). Paolo is on the Board of Plastics Recyclers Europe and Assorimap (Italian plastics Recyclers Association), a member of the EuPC Packaging Excom and Vice-President of PET Sheet Europe, a Sector Group of EuPC. Paolo has been the Co-chairman of Petcore Europe's PET Thermoforms Recycling Working Group since 2015.



Karla Magruder - Fabrikology

Karla has been in the textile industry for more than 25 years with global experience from fiber to finished garments. She founded Fabrikology International in 2003, a textile consulting firm, specialising in sustainable; textile sourcing, education and business development. Karla has led her team in supporting the development of trade between US brands and retailers and garment manufacturers from Haiti and Africa through USAID sponsored programmes. She has worked as a Textile Exchange

Ambassador with the mission of facilitating the acceleration of sustainable practices in the textile value chain. Recently she has led the Textile Exchange rPET Working Group whose members made a commitment to grow rPET by 25%. Prior to founding Fabrikology International she led the apparel launch of Ingeo fibers, the 1st manmade fiber created from 100% annually renewable resources and launched several performance fabrics and technologies in the outdoor and apparel market. She is currently a Textile Exchange Governance board member and an advisory board member of the DEMETO Project and the Sustainable Textile School.



Johannes Burghaus - Procter & Gamble

Coming with a mechanical engineering degree by RWTH Aachen, Johannes has now 25 years of experience in packaging development at P&G, with special focus on aerosol packages. He is working as a Section Head in Fabric & Home Care on the European Aerosol Business and European Association Work.

Johannes represents P&G in the European Aerosol Association (FEA) as Chairman of FEA Plastic Aerosol Task Force and the Waterbath Alternative Task Force. In Petcore Europe, Johannes is the Chairman of the Plastic Aerosol Recycling SIG, which was founded to support the modification of the Aerosol Dispenser Directive to allow plastic aerosol in Europe >220 ml.



Fabrizio Di Gregorio - Plastics Recyclers Europe

Fabrizio graduated in Environmental Science and Technology and got a PhD in Industrial Engineering from the University of Naples. For eight years, he was researcher at the University of Naples in waste management and lecturer in chemical and biochemical processes, as well as in life cycle assessment applied to waste management also at the Denmark Technology University and at the Technology University of Wien. He is author of more than 15 papers on peer-reviewed international scientific journals and

he is also international referee. Afterwards he was for 3 years the R&D manager at the Italian National Consortium for Packaging Recycling, developing in partnership with Universities and research centres projects to improve the recycling processes for specific waste streams, mainly related to post-consumer plastics. Currently he is the Technical Manager at Plastics Recyclers Europe aiming to develop design for recycling actions for plastic products and the RecyClass Platform.



Wim Hoenderdaal - Indorama Ventures Europe

Wim started his career at DSM and was responsible for market development PP and HDPE. He then switched to AKZO Engineering Plastics in the role of Business Development Manager first for Polyamide, PBT and PET compounds. From 2001 he worked for Eastman Chemical in the PET and later in the PETG division. He joined Indorama in 2010 and is currently responsible for business development PET recycling in Europe.



Martin Stephan - CARBIOS

Martin joined CARBIOS early 2017. As deputy CEO, he is responsible for strategy, business development, investors relations and finance. CARBIOS has successfully achieved a 5 year multi-million € collaborative R&D programme and is now moving to industrialisation with two disruptive biological innovations bringing solutions for the end-of-life of plastics, and in particular a process to infinitely recycle PET without any quality loss. Prior to joining CARBIOS, he held several senior international positions at Du Pont de Nemours, Chemours and Total. He worked in France, Germany, Italy and in Switzerland, where he is currently resident. Martin holds a Master in Business Economics from HEC in Paris and a BA in Economics from Paris II University.



Marco Brons - Cumapol

When starting Cumapol in 2010, Marco already had more than 20 years of experience with polymers and application development. Besides looking after product development, he is searching for new ways to make Cumapol even more sustainable by not just recycling, but 'upcycling', meaning that the recycled raw material is a custom-made polyester with a higher performance than that of the original raw material, making it more versatile and, therefore, more environmentally friendly. With the start of Cumapol's CuRe (Polyester Recycling Technology) project, Marco and the company are heading for the next level in circularity. The mission of Cumapol is to become the most sustainable thermoplastic polyester production facility of the world by combining the different recycling technologies, closing the polyester loop and producing high performance polyesters without using fossil based chemicals, ultimately reaching a zero CO2 footprint polyester.



Frederic Favre - IFP Energies Nouvelles

Frederic Favre has 20 years of experience in petrochemistry and pilot plant experimentation. He has been involved in the development of several petrochemical processes at IFP Energies Nouvelles near Lyon. He is now project leader in charge of developing a PET chemical recycling process. He holds a BL in chemistry from the Ecole Nationale Supérieure de Chimie de Paris and received his Ph. D from the University of Pierre et Marie Curie - Paris VI.



Nelson Switzer - Loop Industries

Nelson joined Loop Industries in 2018 as Chief Growth Officer and is responsible for the company's growth and commercialisation strategy. He reports to the company's Chief Executive Officer and is a member of the Executive Team. Nelson brings nearly 20 years of experience working in the public and private sectors at both the local and international level, specialising in sustainable development, business management and stakeholder engagement. Before joining Loop, Nelson was Chief Sustainability Officer of Nestlé Waters North America.

Prior to that, Nelson was Director and Leader of Sustainable Business Solutions at PwC, Head of Corporate Responsibility at Centrica plc NA, Senior Manager of Environmental Affairs at the Royal Bank of Canada and has held adjunct positions and executive in residence status at leading universities including the University of Waterloo and Ivey School of Business. Nelson holds a Master of Engineering from the University of Toronto, and a Bachelor of Science from the University of New Brunswick. He lives in Toronto.

Notes

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