



Petcore Europe Conference 2018

Strategy for PET in the Circular Economy

7 - 8 February 2018 in Brussels

BLUEPOINT Business Centre
Auguste Reyerslaan 80 - 1030 BRU

www.petcore-europe.org



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PROGRAMME

Petcore Europe Conference 2018 - PET Business & Strategy

Day 1: Wednesday, 7 February 2018, BLUEPOINT Business Centre

Moderators: Christian Crépet & Jim Armstrong

11:00 - 13:00 Petcore Europe General Assembly
(for members only)

12:30 - 13:30 Networking Lunch & Registration

13:30 - 13:40 Welcome



2016 PET market, collection & recycling rates

13:40 - 14:00 **PET bottles**
- *Helen McGeough, Senior Consultant, PCI Wood Mackenzie*

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

14:20 - 14:40 Panel debate



Perspectives and Strategy from the PET value chain

- Review of past years
- New markets and tendencies
- Outlook for 2018 / 2019
- Restructuring in the sector

14:40 - 15:10

PET Producers

- *Antonello Ciotti, President, Committee of PET Manufacturers in Europe (CPME)*

15:10 - 15:30

Networking Coffee

15:30 - 16:30

PET Converters:

- **PET thermoforms**
- *Ana Fernandez, Global Innovation Director, Klöckner Pentaplast*
- **PET bottles**
- *Paulo Correia, CTO, Logoplaste*

16:30 - 17:00

PET Recyclers

- *Casper van den Dungen & Herbert Snell, Plastics Recyclers Europe (PRE)*

17:00 - 17:30

Panel debate

Conclusion & Closing

**Networking Event for all conference participants in the
BLUEPOINT Business Centre (17:30 - 19:30)**

PROGRAMME

Petcore Europe Conference 2018 - Trends in PET Collection, Recycling & Sustainability

Day 2: Thursday, 8 February 2018, BLUEPOINT Business Centre

Moderators: Christian Crépet & Jim Armstrong

09:00 - 09:50

Networking Coffee & Registration

09:50 - 10:00

Welcome



European Circular Economy

10:00 - 10:20

New Plastics Economy

- Eline Boon, Research Analyst, New Plastics Economy, Ellen MacArthur Foundation

10:20 - 10:50

The Plastics Strategy - an overview

- Eric Liégeois, Team Leader Plastics and Wastes Recycling, European Commission - DG GROW

10:50 - 11:10

Panel debate

11:10 - 11:30

Networking Coffee

Trends & solutions in PET post-consumer collection

- 11:30 - 11:50 **Holy Grail - global recognition project on markers and digital watermarks**
- *Gian de Belder, Principal Scientist, Procter & Gamble*
- 11:50 - 12:10 **Deposit versus Non-Deposit**
- *Clarissa Morawski, Managing Director, Reloop*
- 12:10 - 12:30 **Development of PET recycling: how France is dealing with PET trays and opaque PET**
- *Carlos de los Llanos, Directeur Scientifique & Vincent Colard, Ingénieur Eco-conception, CITEO*
- 12:30 - 12:50 Panel debate
- 12:50 - 13:45 Networking Lunch

Trends & solutions in PET post-consumer recycling

Design for Recycling: Ecodesign, EPBP, Recyclclass

- 13:45 - 14:05 *Antonino Furfari, Managing Director, Plastics Recyclers Europe (PRE)*
- 14:05 - 14:15 Q&A session

Current challenges & opportunities for PET recycling

- 14:15 - 14:35 **State of the art in collection, sorting and recycling technologies of PET thermoforms**
- *François Lagrue, Plant Manager, WELLMAN France Recyclage*



14:35 - 14:55

Challenges and solutions for recycling PET thermoforms

- Heiko Schenck, P&IP Packaging Manager, DuPont

14:55- 15:20

Don't get too wrapped up and miss out on recycling! Concerns over growth in full body sleeves affecting PET recycling

- An Vossen, Executive Manager, PLARABEL/ EPRO (European Association of Plastics Recycling and Recovery Organisations)

15:20 - 15:40

Panel debate

15:40 - 16:10

Networking Coffee

Chemical Recycling

16:10 - 16:30

Renewable PET from Plastic Waste:

- Back to monomer recycling
- Solution for ODR and PET trays?

- Wim Hoenderdaal, Technical Marketing Manager, Indorama Ventures Europe

16:30 - 16:50

Enzymes to rethink the lifecycle of plastics

- Martin Stephan, Deputy CEO, CARBIOS & Jean-Marie Julien, Materials Strategy Manager, L'Oréal

16:50 - 17:10

DEMETO - modular, scalable and high performance DE-polymerization by Microwave Technology

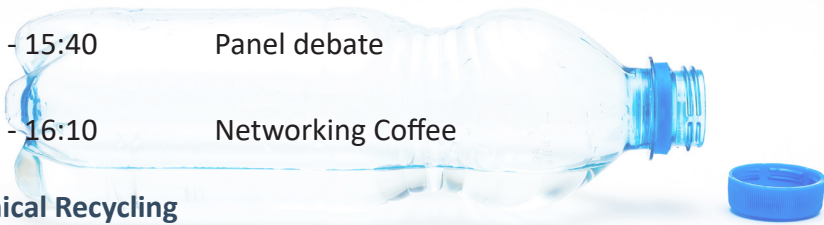
- Maurizio Crippa, CEO, gr3n

17:10 - 17:30

Panel debate

17:30 - 17:45

Conclusion & Closing



Speakers' Biographies



Helen McGeough - PCI Wood Mackenzie

Helen has worked in consultancy for nineteen years, with previous experience in the IT industry. Helen is a Business Studies graduate from Nottingham Trent University.

She joined what is now PCI Wood Mackenzie in 2004, supporting the client base with market analysis and custom research for both virgin and recycled PET markets.

Helen now leads the activity to support to the RPET chain worldwide with a wide network of contacts including collection agencies, all major reclaimers, technology suppliers, machine manufacturers, industry associations, government bodies and major brand owners. Helen's key role is to lead research and analysis for all aspects of PET recycling, its place in the increasingly important agenda for sustainability of the entire supply chain and its fusion with the growing global focus on the Circular Economy. In line with this, Helen is developing research and insight into the recycling of other polymers and materials used in packaging.



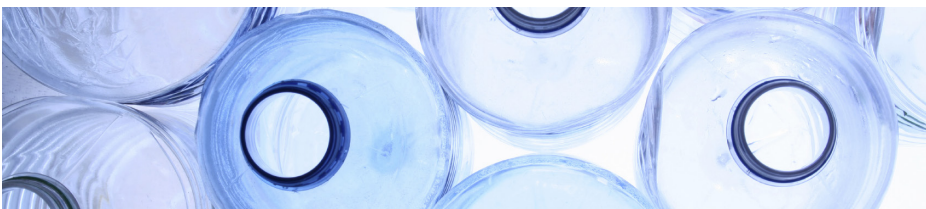
Alessandra Funcia - Sukano

Alessandra is Global Head of Marketing at Sukano AG, where she is responsible for 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 color and additives masterbatches business.





Antonello Ciotti - CPME

Antonello is a graduated engineer from the University of Florence with an MBA degree from the Bocconi University in Milano.

Antonello is the Chairman of CPME the European Committee of PET manufacturers, and Equipolymers srl Managing Director since 2004 when the company was founded.

Equipolymers is a JV between The Dow Chemical Company and PIC from Kuwait Petroleum Corporation.

Antonello has a long history in the Dow Plastics organisation, serving in several locations and positions all over Europe. On top of the above position, Antonello is acting as Chairman in Corepla, the Italian Consortium for recycling of plastic packaging.



Ana Fernandez - Klöckner Pentaplast

Ana is FCP Global Innovations Director at Klöckner Pentaplast since July 2017. Prior to joining Klöckner Pentaplast through acquisition, between 2016 and 2017, she was Global Innovations Director at LIMPAC Packaging.

From 1989 to 2016 she was Operations Manager at LIMPAC Packaging Pravia, Spain. From 1986 till 1989 Ana was Researcher in coal combustion processes in CIEMAT, Madrid, Spain.



Paulo Correia - Logoplaste

Paulo is CTO of LOGOPLASTE, and Managing Director of LOGOPLASTE Innovation Lab. He Joined LOGOPLASTE in 1994, after working in development for the injection mold industry for the Automotive Industry. Paulo is a graduate of ENIDH/Lisbon.

The LOGOPLASTE Innovation Lab concentrates the activities of packaging development for LOGOPLASTE with two hubs (Portugal/Europe, USA/North America). It manages more than 900 projects worldwide for most of the FMCG in the world in rigid packaging development. Since 2011, Biomimicry has been integrated in the DNA of the design and conceptual principles for packaging design of LOGOPLASTE Innovation Lab, making it the first company in the world to use it as base for packaging development.



Casper van den Dungen - PRE

Casper is more than 25 years active in PET recycling. He started as mechanical engineer with a specialisation in plastic processing. He takes the responsibility of Poly Recycling 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 now is called Plastics Recyclers Europe (PRE). Casper is Vice President of PRE (former EuPR) 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 is for more than 25 years his work and his hobby.



Herbert Snell - PRE

Herbert studied at the Institute for Plastics Processing (IKV) at the RWTH Aachen and holds positions in the waste management industry (Otto Entsorgung, Duales System Deutschland).

Since 1994 he is Founding Director and Managing Director of the STF Recycling GmbH and in a leading position in the STF Group. Since 2000 he is also Founding Director and Managing Director of the MultiPet GmbH and since 2006 Managing Director of the Multiport GmbH.

Since 1996 Herbet is Vice President of the Bundesverband Sekundärrohstoffe und Entsorgung e.V. (bvse) and since 2017 member of the Management Board of Petcore Europe and Plastics Recycler Europe.



Eline Boon - Ellen MacArthur Foundation

Eline is a Research Analyst for the New Plastics Economy initiative, an ambitious 3-year initiative that brings together major players from across the plastic packaging value chain, to mobilise the transition to a plastics system that works.

Her main focus is engaging with policymakers and international institutions to accelerate the transition towards a circular future for plastics, a New Plastics Economy.

Prior to joining the Foundation she worked as a Policy Assistant for the European Commission, focusing on international ocean governance. She also worked as a Company Lawyer and Corporate Social Responsibility Officer in Brussels.



Eric Liégeois - DG GROW

Eric joined the European Commission at DG Environment as national expert in 2002 where he was in charge of the Thematic Strategy on the Sustainable Use of Pesticides. In 2005, he took the position of Director at the Belgian Ministry of Public Health and the Environment, where his team was in charge of implementing REACH, CLP and Biocides. In June 2007, he decided to join again the EC as a permanent administrator official in the Chemicals Unit at DG ENTR. In his current position, he is in charge of the preparatory work for the forthcoming revised Fertilisers Regulation and is leading a team in charge of Fertilisers, Detergents, Plant Protection Products, Biocides, Waste recycling and Plastics, and is part of the DG GROW team for the Circular Economy Package.



Gian de Belder - Procter & Gamble

Gian graduated as MSc - European Postgraduate Education in Polymer and Composites Engineering - from the Leuven University (Belgium). He started working for Procter & Gamble in 2000. His work experiences include R&D Packaging (upstream technologies), ISBM packaging projects, sustainable resins, technology scouting (Connect & Develop) and Design for Recycling. In his current position he is Principle Scientist R&D Sustainable Packaging P&G at the P&G Innovation Centre and is also the Project Manager Life+ PetCycle.



Clarissa Morawski - Reloop

In 2015, Clarissa co-founded and is currently the Managing Director of the Reloop Platform - a European Association comprised of industry, ENGOs and cities that collectively support policy to further a circular economy. Clarissa brings over 20 years of technical, analytical and communications experience in waste minimization 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 currently contributes a bi-monthly column on recycling called Dispatches from Europe.



Carlos de los Llanos - CITEO

CITEO (formerly Eco-Emballages and EcoFolio) is the company in charge of the Extended Producer Responsibility schemes for household packaging and for graphic paper in France, working with 20 000 packers and fillers, 900 local municipalities and 300 recyclers. The annual turnover is around 700 M€ per year for the packaging activity.

Carlos joined the company in 2007, after 20 years of professional experience in the waste sector. His expertise includes eco-design, selective collection, sorting and recycling of household packaging waste. He is directly involved in the implementation of the French programme for extended household plastic packaging recycling.



Vincent Colard - CITEO

Vincent holds a Law and Economics Degree with a MSc in sustainability issues.

The Paris based packaging expert started in 2008 at Elipso, the French Plastic and Flexible Packaging Association as Environmental Project Manager. Vincent joined Eco-Emballages/Citeo in 2016 as Packaging Ecodesign Engineer. His work experience includes Packaging ecodesign, Design for Recycling (including COTREP), sustainable raw materials, collection, sorting and recovery options, consumer awareness on environmental issues, projects management, and legal affairs.



Antonino Furfari - PRE

Antonino is the Managing Director of Plastics Recyclers Europe. He has a long experience in sustainability and recycling topics in European industry. Previously, Antonino was Project Manager for the European Plastics Converters association. He holds an MA degree in Management Science from Solvay Business School based in Brussels, Belgium. Antonino is bilingual Italian-French speaker and he is fluent in English.





François Lagrue - WELLMAN France Recyclage

François is a chartered engineer in Fine Chemistry and Chemical Engineering, graduated from the National Institute of Applied Science (INSA) of Rouen, France. He has more than 20 years of experience in the plastic industry, having occupied the positions of production or quality engineer, production manager or plant manager in the compounding, thick sheet extrusion or blown film extrusion fields serving mainly the automotive, households or aerospace business. François joined the Indorama Ventures group in 2014 as Plant Manager of Wellman France Recyclage, one of the company's facility that transforms post-consumer PET bottles, coming mainly from European curbside collection systems, into clean PET flakes.

As an active actor of the recycling and circular economy fields, François is a member of the Recycling PET Thermoforms Working Group as well as the Recycling of Opaque and Difficult to Recycle PET packaging Working Group.



Heiko Schenck - DuPont

Heiko is a polymer chemist. He holds a degree in Chemistry from the University of Mainz/Germany. After four years as a consultant at IBM Heiko started 1989 with DuPont in Germany working in sales and marketing. In the following six years at the European Technical Centre in Geneva the major focus was on development and marketing of polymer compounds like tie layer polymers and peel seal solutions. In 1999 Heiko returned to Germany and took the lead for medical, pharmaceutical and personal care packaging applications first in Europe, later globally. The next step was account management for strategic brand owners in F&B globally. Since 2006 his focus is on the global lead of triple bubble and orientation technologies. In addition in 2012 Heiko took over the role as packaging manger in ECMEA (Eastern and Central Europe, Middle East and Africa). Since 2016 Heiko is technical manager recycling offering at DuPont. In 2018 he became global leader processing OEMs at Dow DuPont.



An Vossen - PLARABEL / EPRO

With more than 10 years 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.



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, and later for PET in packaging. He had worked for Arcadis, TNO, Lawson Mardon Packaging and Bonar before joining Eastman Chemical in 2001. At Eastman, Wim worked for the PET packaging resin division and later for the co-polyester PETG specialty division. He finally joined Indorama in 2010 as Technical Marketing Manager.



Martin Stephan - CARBIOS

Martin joined CARBIOS early 2017 as the company was entering a new phase of its development, having successfully achieved a 5 year and multi-million collaborative R&D programme and moving to industrialisation. Prior to joining CARBIOS, Martin held several senior international positions at DuPont de Nemours, Chemours and at the chemical branch of the French Oil & Gaz major, Total. He worked in France, Germany, Italy and in Switzerland, where he is currently residing. Martin holds a Master in Business Economics from HEC in Paris and a BA in Economics from Paris II University.



Jean-Marie Julien - L'Oréal

Jean-Marie is material strategy manager. He joined L'Oréal in 1984, after several years at the Industrial chemistry department he has oriented his career to packaging & development department.

Today Jean-Marie is in charge of the materiau-vigilance and the innovating material strategy for packaging.



Maurizio Crippa - gr3n

Maurizio, PhD in Materials Science is the CEO, founder and inventor of the gr3n technology. He worked many years in academia developing organic materials for opto-electronic, conductive polymers and hybrid inorganic materials for different applications. His interests are focused on providing technological solutions to solve environmental issues.



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