



Petcore Europe Presentation 2023

www.petcore-europe.org



Petcore Europe

**Collaboration accross the PET Industry for an
always better Circularity since 1993**



Minutes of the First Meeting of the PETCORE Board, December 1st 1993,
Sheraton Airport Hotel, Brussels.

Present

| | |
|-----------------|------------------|
| E. Berci | Inca |
| P.J. Bruce | ICI |
| R.A. Crawshaw | Shell |
| R. Enter | AKZO |
| P. Geluk | Eastman |
| G. Kleimenhagen | EAPC |
| M. Matteoli | Johnson Controls |
| M. Rodriguez | Continental PET |
| J. Sami | Eastman |
| H-J. Otto | Hoechst |

V. Matthews, Secretary and Mrs N Russotto of APME.

H. P.M. van Hassel of Constar apologised for not being able to attend.

Publications

| | |
|--|--|
| Design for recycling (in English/F/G/I/Sp) | Nov 1993 |
| PETCORE Launch | Dec 1993 (Press R for Jan 10th 1994) |
| PETCORE Brochure | Jan 1994? |
| PETCORE Recycling options | Jan 1994? |
| PETCORE Specifications | Feb 1994? |

- Ensure the **entire PET industry is well aligned.**
- **Represent the PET industry** at the EU institutions and other stakeholders
- Ensure that **PET is positioned as an outstanding packaging material and recognized as circular**
- Support and validate **innovative solutions from a circular perspective**
- Work with all interested parties to ensure a **continuous increase of PET post-consumer collection/sorting/recycling**



About Petcore Europe

- 165 members
- 400 companies
- 500 sites across Europe,
- 27'000 Employees
- 4,5 million tonnes
- 15 billion Turnover
- > 150 PET recyclers
- About 100 food contact rPET units



More than 2 million tons were collected in 2020, representing **61%** of bottles placed on the EU market.

Petcore Europe Membership

- **PET Europe**: represents 80% of European PET manufacturers - 8 companies – 3 mt installed capacity - 3 bn € turnover
- **EuPC**: represents 46 National and European associations - 50'000 companies – 500mn tons - 260 bn €
- **Forum PET Europe**: primarily represents the PET bottle associations in France (Elipso) and Germany (IK)
- **PRE**: Plastics Recyclers in Europe - 500 companies – 6,6mt installed capacity - 3 bn € turnover
- **FINAT**: European association for the self-adhesive label industry
- **AMAPLAST**: Italian plastics and rubber processing machinery and moulds manufacturers' Association
- **RECOUNP**: Registered charity and not-for-profit organization to promote, develop, stimulate and increase the levels of plastics recycling within the UK
- **BOPET Films Europe**: the association representing BOPET film producers in the European market
- **UNESDA Soft Drinks Europe**: Brussels based association representing corporates & national soft drinks associations

165 companies PETCORE: the whole value chain in one place



- The membership participation fees are linked with the annual turnover of the candidate as per table below:

| Company Member Turnover | Membership Annual Fee |
|-----------------------------|-----------------------|
| Less than 20 m EURO | € 4,000 |
| 20 up to 100 m EURO | € 5,000 |
| Above 100m up to 500 m EURO | € 6,000 |
| Above 500 m EURO | € 7,500 |
| *m: m stands for million | |

- Working Groups (WG) participation fee is 1500€ per WG
- Petcore members can participate in the WG without any additional fees

Sleeves and labels

Avery Dennison
All4Labels
CCL Label
Finat
Fuji Seal Europe
Multi-Color Corporation
Sleever International
UPM Raflatac

Masterbatches & additives

Clariant
ColorMatrix
Holland Colours
MacDermid
Penn Color
Point Plastic
SI Group
Sukano

Machinery Producers

AMAPLAS, Bandera,
Erema, Folcieri,,
Gneuss,Husky, NGR,
Pellenc ST, Polymetrix,
Polyperception,
Sesotec, SIPA, Sorema,
Starlinger, TOMRA,
Uhde Inventa-
Fischer, Krones,
Extricom Extrusion
GmbH

Axens, BASF, BP, CARBIOS, CURE, Doloop,
Eastman, Evonik, Garbo, FORMAS PACK, IFP,
Ioniqa, Loop Industries, MGC (Mitsubishi), M&G,
Perstorp, Poseidon Plastics, **PET Planet**, Rittec,
Sibur, SK Chemicals, Toyobo, Toyota Tsusho

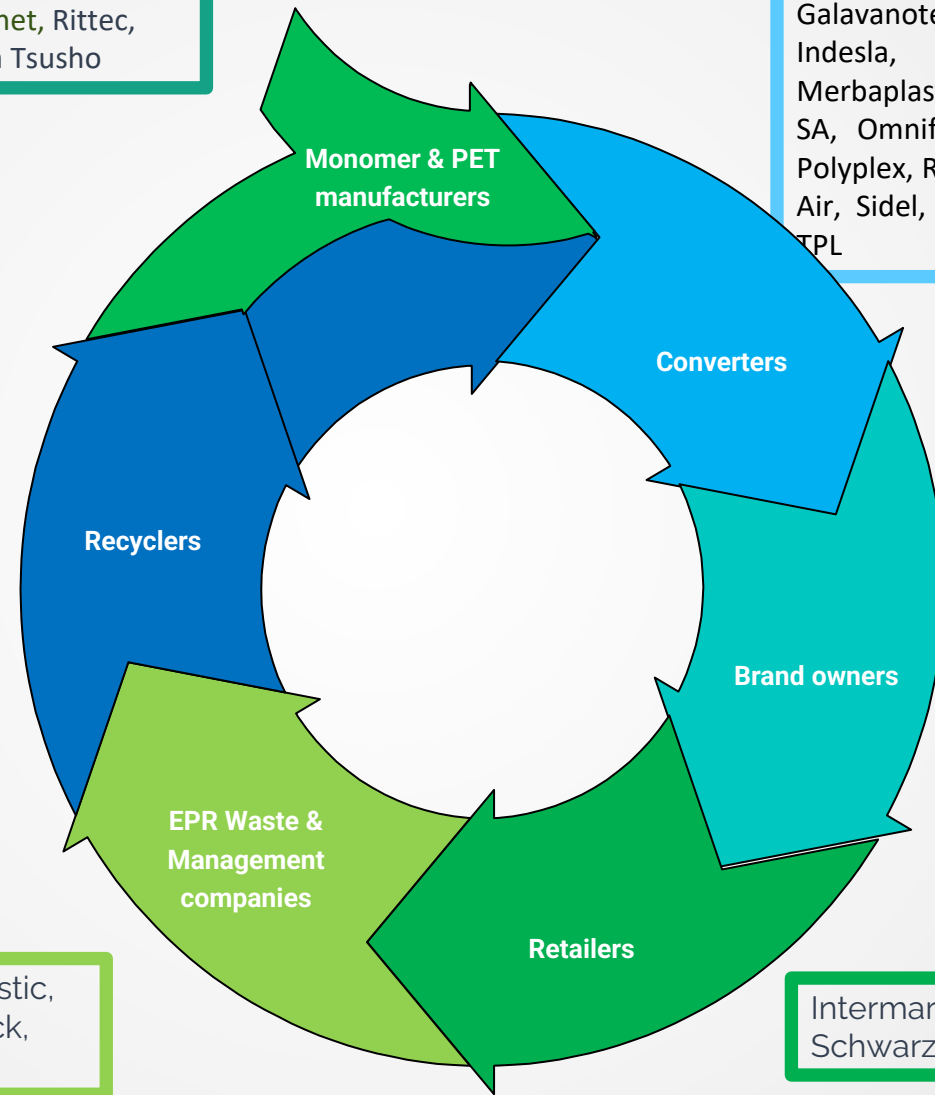
Alpla, Cier, Dentis, Envalia,
Evertis, Faerch, Fantastic Plastic,
GreenTech, Montello, Novelplast,
PET Baltija, Plastipak, PRE,
Remondis, Wellman,
Schwarz/Lidl Suez, Umincorp

Citeo, Corepla, Fantastic Plastic,
Hordijk, Remondis, Returpack,
SUEZ, Valorplast

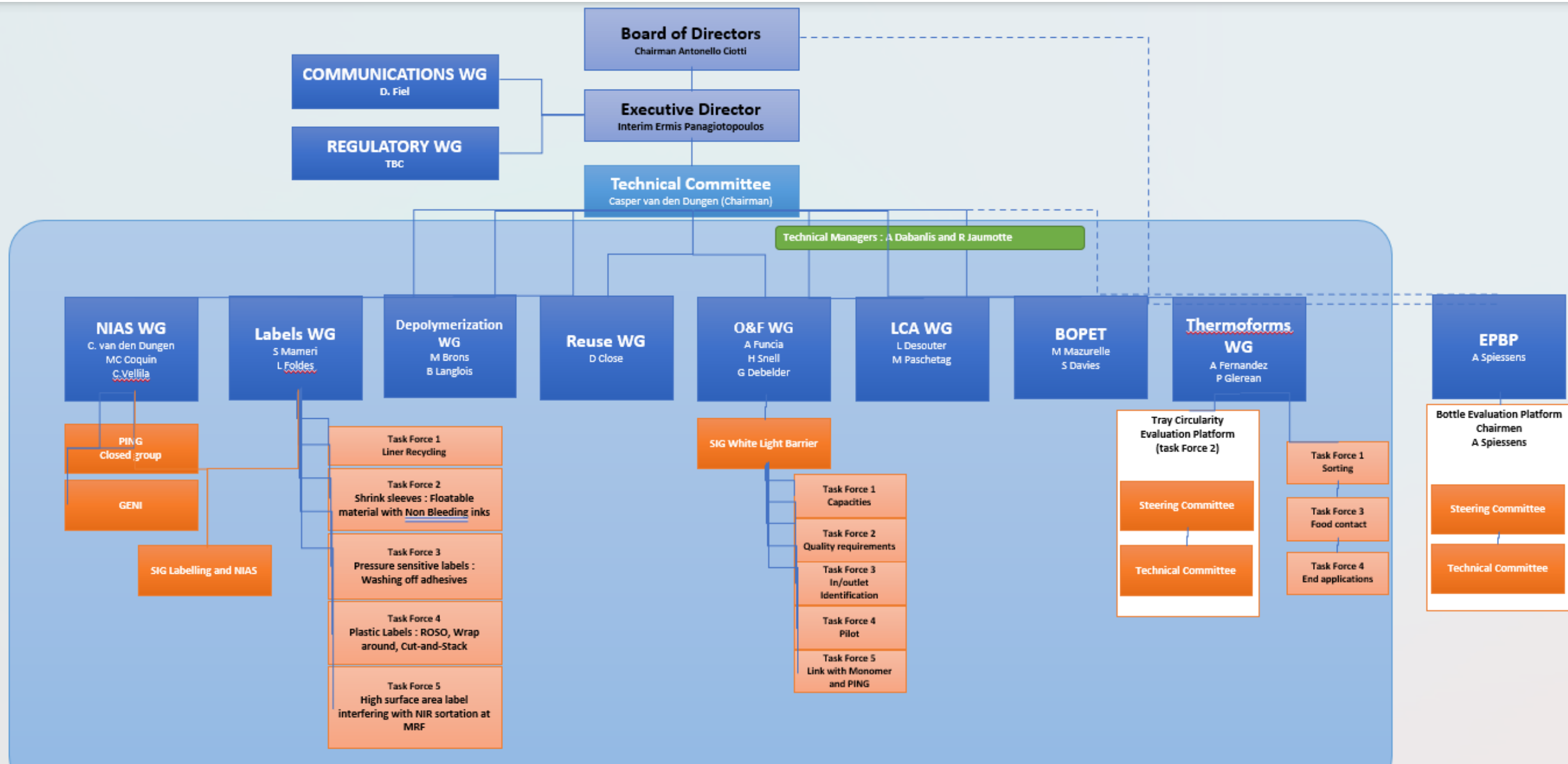
AMB Packaging, Aristeia, Arcoplastica, Benzaplastic,
COEXPAN, Covinil, DuPont Teijin Films, Dow DuPont,
Envalia, EuPC, Ekorec, Eukoplast, Eurocast, Evertis, FAERCH
Plast, Forum PET Europe, Fucinefilm, Formas Pack,
Galavanotek, Graham Packaging, Guillin Emballages,
Indesla, Klöckner Pentaplast, Lietpack, Logoplaste,
Merbaplastic, Mitsubishi, NGP MUSTAD PACKAGING SM
SA, Omnifol, Pinaform, S.L., Polyester Films, Plastipak,
Polyplex, RETAL Industries, RomcarbonLivingJumbo, Sealed
Air, Sidel, Sirap, SilverPlastics, Sodesa, SRF Limited, SZP,
TPL

Coca-Cola, Danone, Henkel,
Kraft Heinz, LSDH, L'Oréal, P&G,
PepsiCo, Spadel, Suntory

Intermarché - Les Mousquetaires,
Schwarz/Lidl



- General Assembly
- Board of Directors
- Technical Committee
- Technical Working Groups
- Scientific and Regulatory affairs
- Projects
- Communications & Issues Management
- Website with extranet for members
- Social Media channels (Twitter & LinkedIn, Facebook)
- Support from member associations





Petcore Europe Activities

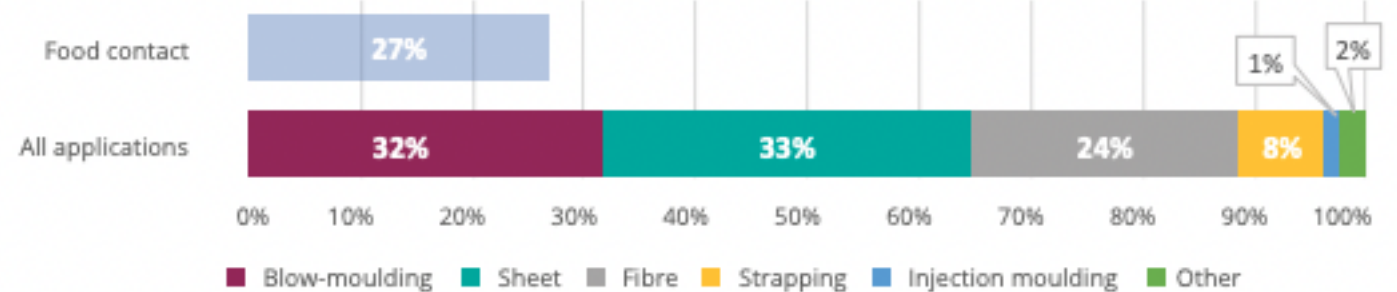
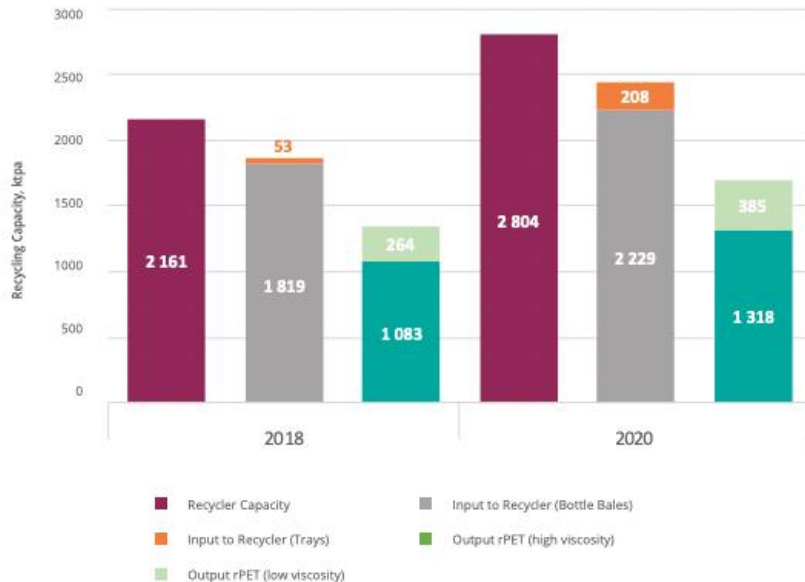
Bi-annual survey on PET collection & recycling rates in Europe

PET Recycling – Status 2020 (Eunomia Report)

- **Collection – 2,229 Million Tons** (Packaging Waste)
 - **Collection Rate – 58.2 %**
- **Recycling Capacity – 2.804 Million Tons** (2020)

Figure 9 : PET Recycling Capacity, Input and Output, 2018 versus 2020

Source: Annual PRE Recyclers Survey (PRE, 2020)



Bottles

- Collection and sorting through DRS could lead to more than 55% bottle to bottle recycling by 2030.

Trays

- The market for trays and sheets represents 20% of rPET. Estimated 50% of average recycling content of PET trays produced in Europe.
- *Objective : going tray to tray collection and recycling*
- Main obstacles: collection and design for recycling





Petcore Europe Working Groups & Task Forces

Working Group: Recycling PET Thermoforms

- Established 2015
- 74 companies and organisations from industry and waste management.
- Goal is to improve design for recycling, collection and sorting across EU

Trays Circularity Evaluation Platform (TCEP)

- Established 2020
- Goal is to evaluate the recyclability and/or the circularity of new trays put on the market.
- Using proven protocols and recyclability tests.



Working Group: Recycling of Opaque and functional bottles (formerly ODR)

- Established 2016.
- 78 companies and associations
- Concentrating at the moment on dairy bottles circularity



Labels working group

- 31 companies
- To propose recommendations and best practices to brand owners, green dot associations, sorting centers and recyclers.
- Pressure sensitive labels and crystallizable labels
- Supporting circularity and food safety



PET Industry NIAS Group (PING)

- PING drives compliance with EC Regulation N°10/2011 and subsequent amendments on plastics materials and articles in contact with food, re. NIAS.
- The group evaluates NIAS test methods, risk assessment and produce an industry wide accepted process.
- Any identified unacceptable risk will be addressed, and PING will work to find solutions to reduce or remove the risk.



Petcore Europe Working Groups

PET Depolymerisation Working Group

- Since 2019
- Depolymerization of coloured trays and bottles as well as multimaterials
- Textile
- Bottles when needed → maintaining properties on the long term

PET Depolymerization Working Group Primary Members

INEOS



CURE
Polyester
Regeneration

DuPont Teijin Films

EASTMAN

equipolymers™

GARBO
your innovative partner

gr&n

Axens
ifp
Energies
nouvelles

ioniqa

loop
INDUSTRIES

POSEIDON PLASTICS

RITTEC
UMWELTECHNIK

Petcore Europe Working Groups

REUSE working Group

- Started 2021
- Align the industry's strategy regarding REUSE as prescribed by various stakeholders (EU commission and NGO's)

LCA Working Group

- Started 2021
- Focused on delivering relevant data regarding PET environmental impact
- Focusing also on analyzing claims made by competitive materials such as glass and metals

Recyclability Evaluation Platforms

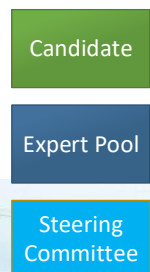
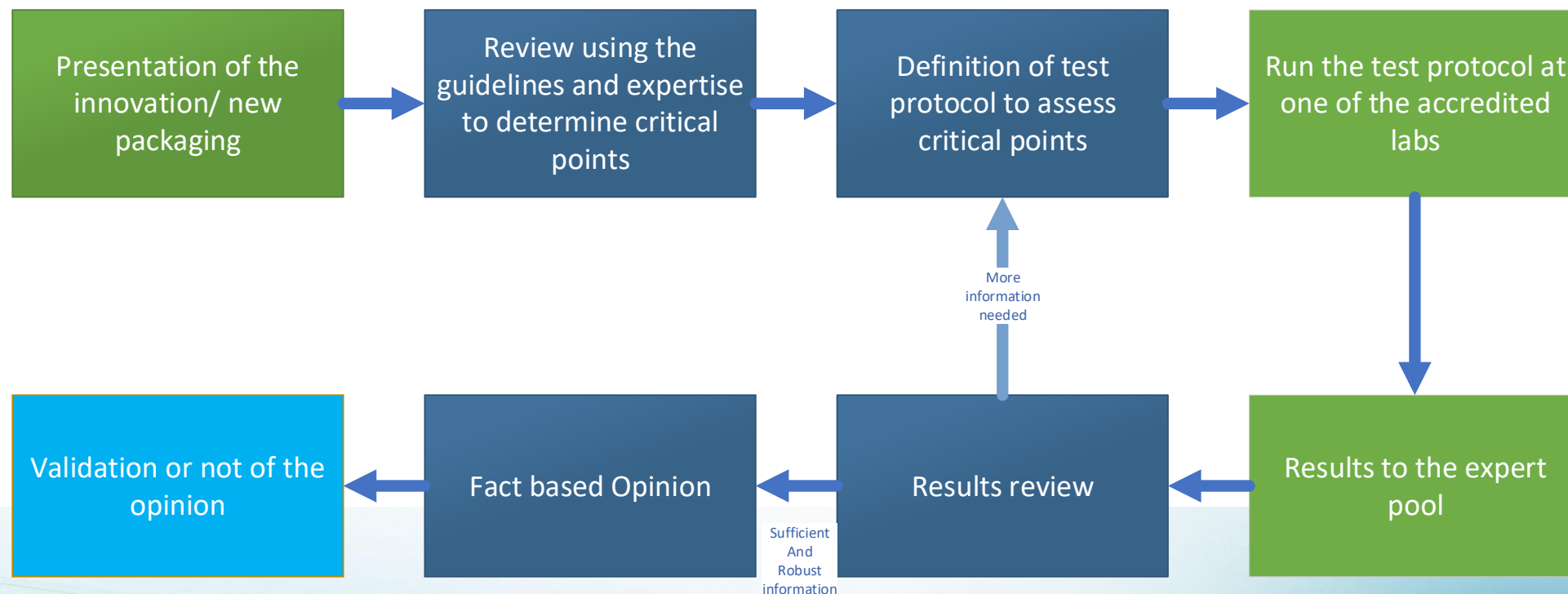
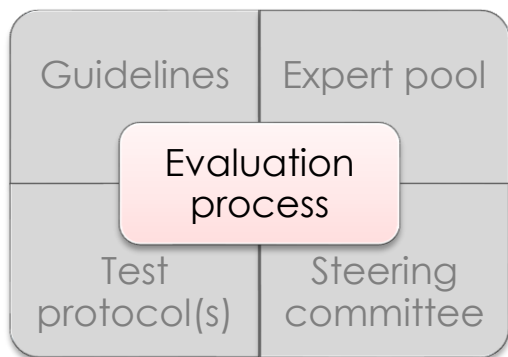
→ **European PET Bottle Platform (EPBP)** - Since 2021 - European harmonized guidelines and protocol for PET bottles recyclability accepted across the value chain Encouraging industry to test new PET bottle concepts and/or material before market launch



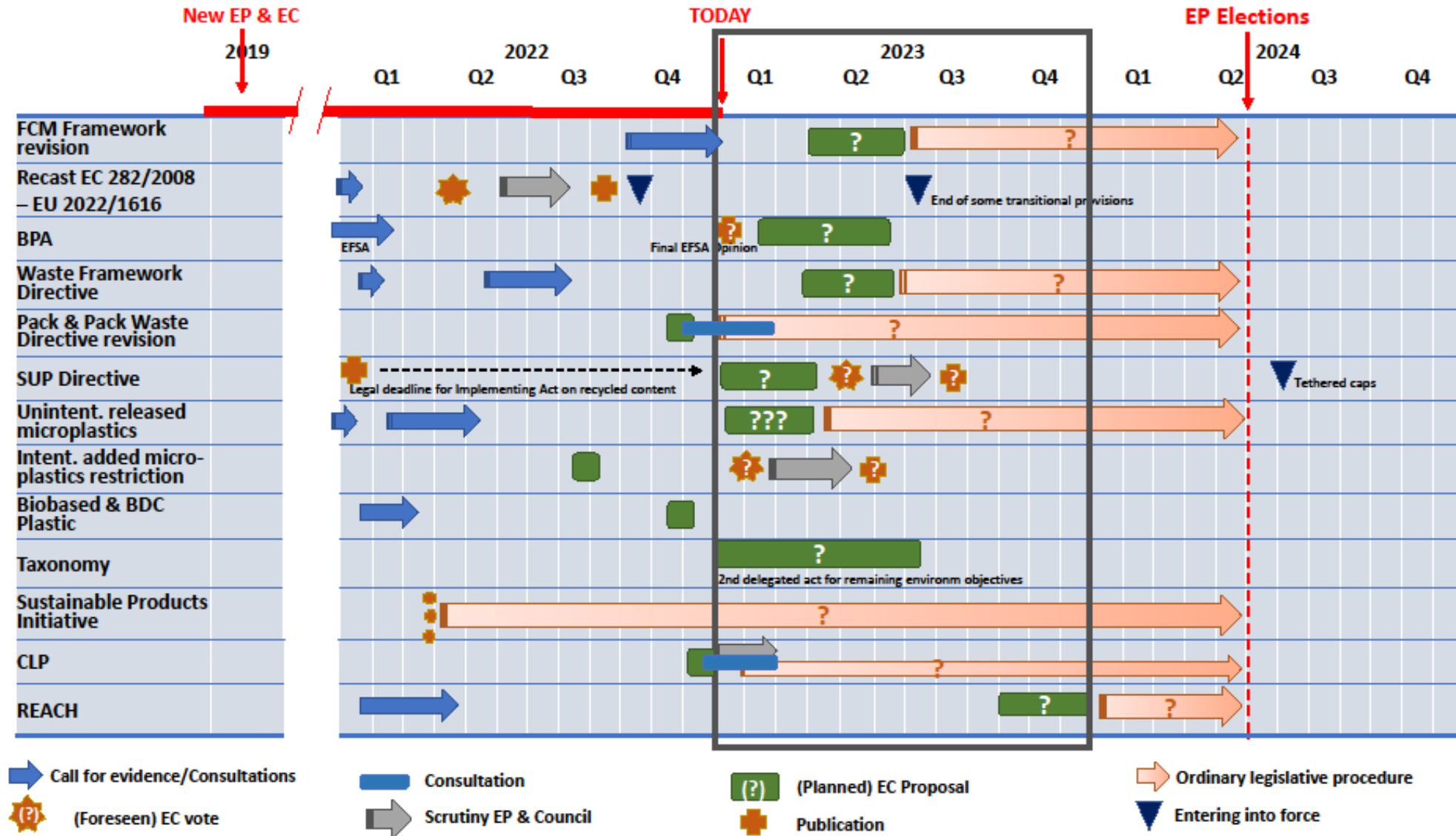
| YES Full compatibility – materials that passed the testing protocols with no negative impact | CONDITIONAL Limited compatibility – materials that passed the testing protocols if certain conditions are met | NO Low compatibility – materials that failed the testing protocols OR |
|--|---|---|
|  |  |  |

→ **Trays Circularity evaluation platform (TCEP)** - Since 2021 European harmonised guidelines and protocol for PET trays recyclability – Same mindset than the successful EPBP.

Evaluation process



Regulatory and Scientific Affairs





CPA and PETCORE Europe's pledge

- Signed on 20/09/2019 during a meeting at the European Commission, Petcore Europe among 100+ organizations committed to the CPA's vision for more recycled plastics in Europe. By **2025, 10 million tonnes of recycled plastics** must find their way into products in the EU.



PET Commitment to the EU Commission:

We will,

- ✓ focus on the overall objective: 100% recycling of collected PET packaging material.
- ✓ commit to 65% recycling and reuse of PET packaging material collected by 2030.
 - Amongst which, 30% of closed loop
- ✓ continue to commit to improve the Circular Economy by influencing the conditions for appropriate EU and national legal frameworks.
- ✓ develop the requirements for all converters and brand owners to endorse and apply current as well as future Design for Recycling guidelines.
- ✓ influence and demand that EPR schemes will provide stable and standardised, quality sorted PET baled streams.
- ✓ cooperate in finding innovative solutions or remove obstacles for the use of standard recycled qualities.
- ✓ cooperate to develop a positive contribution outside Europe using the established tools in the value chain.



Petcore Europe Events: Workshops & Annual Petcore Europe Conference

PETCORE EUROPE's Annual Conference 2023

Petcore Europe has just successfully conducted its event of 2023 for the PET industry: "PET value chain in a fast-paced environment for CIRCULARITY".

A key event at the European level dedicated to innovation and sustainability in the PET packaging industry, our Annual Conference 2023 was dedicated to recycling and circularity, and the PET industry's contribution to the EU's carbon neutrality goals.

At Petcore Europe we commemorated 30 years anniversary by taking our time to honour the milestones we have achieved, recognize our members for their hard work and commitment, thank loyal partners, sponsors and allies & announce new association's endeavours during our hybrid Annual Conference 2023.

Our 2023 Annual Conference was held over two days, from **1-2 February**, at DoubleTree by Hilton Brussels City, followed by a dedicated GALA Dinner & a cocktail reception at Le Plaza Hotel on the first day of the event.





PETCORE EUROPE's Annual Conference 2023 in numbers

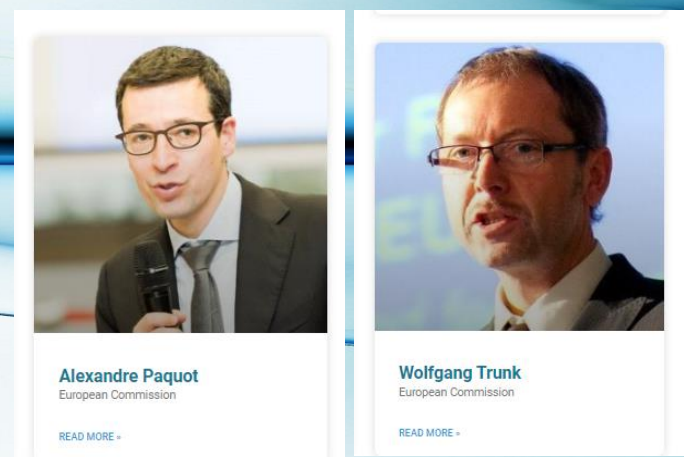
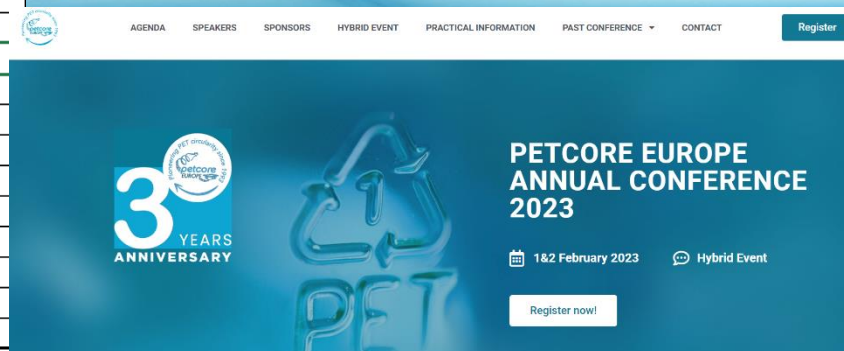
In TOTAL 54 Speakers & Moderators
In TOTAL: 243 Attendees

- Hybrid event for those who could not attend in person
- 1 GALA Dinner on the 1st February at Le Plaza Hotel
- 9 Gold & Silver Sponsors
- 8 Media Partners
- Specially designed logo for 30 Years Anniversary
- New dedicated website: www.petcoreeuropeannualconference.org



2 EC Speakers - Alexandre Paquot (Director for Innovation for a Low Carbon, Resilient Economy at DG CLIMA, European Commission) and Wolfgang Trunk (policy officer at the European Commission)

| | Last Name | First Name | Company |
|----|--------------------|-----------------|-----------------------------------|
| 1 | Agante | Elsa | Deco Proteste |
| 2 | Allenbach | Simona | Sukano |
| 3 | Bergendorff | Sara | Returpack |
| 4 | Brunn | Michael | michael.brunn@recyclingmagazin.de |
| 5 | De Meester | Thomas | thomas.demeester@fostplus.be |
| 6 | Devries | Charlotte | Kraft Heinz Company |
| 7 | Duffaut | Emmanuel | RETAL IBERIA SLU |
| 8 | Favre | Frederic | IFPEN |
| 9 | Fessl | Peter | Greiner Packaging International |
| 10 | Fleischer | David | S.Z.P Advanced Packaging Products |
| 11 | Gauthier | Thierry | thierry.gauthier@ifpen.fr |
| 12 | Glazer | Piotr | Umincorp Polymers |
| 13 | Klein | Catherine | Valorplast |
| 14 | Knihti | Paivi | UPM Raflatac |
| 15 | Köhlmann | Dirk | Equipolymers |
| 16 | Laibach | Lauren | Napcor |
| 17 | Lenhard | Alessandro | CANEI Corporation |
| 18 | Pacitti | Steven | Eco-plastics in Packaging |
| 19 | Platteeuw | Michiel | NV SIOEN INDUSTRIES |
| 20 | Preishuber-Pfluegl | Peter | BASF |
| 21 | Saini | Gurpinder Singh | JBf Global Europe |
| 22 | Schmidt | Gregory | NAPCOR |
| 23 | Stewart | Laura | NAPCOR |
| 24 | Wöss | Christoph | EREMA |
| 25 | Zacarias | Maria | Logoplaste |



www.petcoreeuropeannualconference.org

- 1-2 February – Annual Conference 2023
- 9 March – Meeting of Labels WG
- 15 March – Meeting of BOPET WG
- 16 March – Meeting of Thermoforms WG
- 15 May – Meeting of LCA WG
- 22 May – Meeting of Reuse WG
- 14-15 June – Thermoforms Event
- 27 June – Board Meeting
- 19 October – Depolymerisation Webinar
- 22 November – Board Meeting



Ask yourself: what you can do to make a better world?

JOIN us in improving the PET Value CHAIN!





Petcore Europe

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Website: www.petcore-europe.org

Dedicated Website - Annual Conference: www.petcoreeuropeannualconference.org

Communications Campaign Website: <https://www.recycletheone.com/en>

Follow us on social media to stay updated:

