

# PETCORE EUROPE

## Joint Scientific Studies and Innovation Projects

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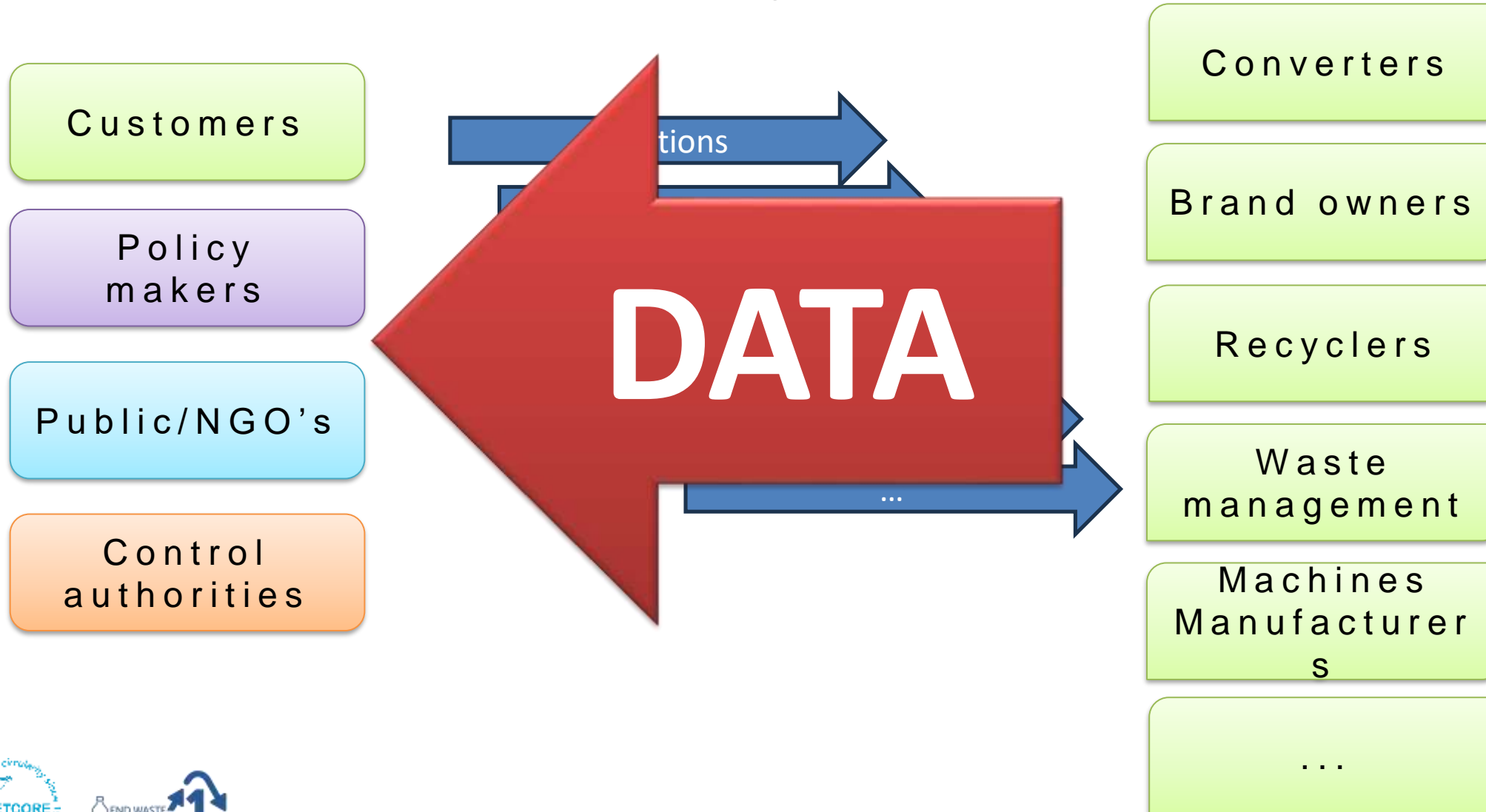


Bucharest-October 17th, 2024



# PETCORE EUROPE

Serving the Members



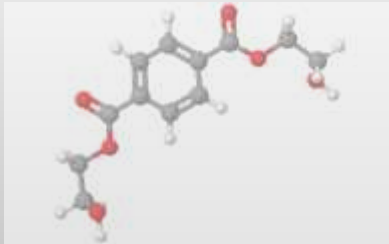
# 4 examples of supporting activities



LCA Platform



Thermoforms  
WG+Functional Barrier  
Consortium



BHET Consortium



NIAS and *Labs* Platform

# Thermoforms Working Group

## The situation

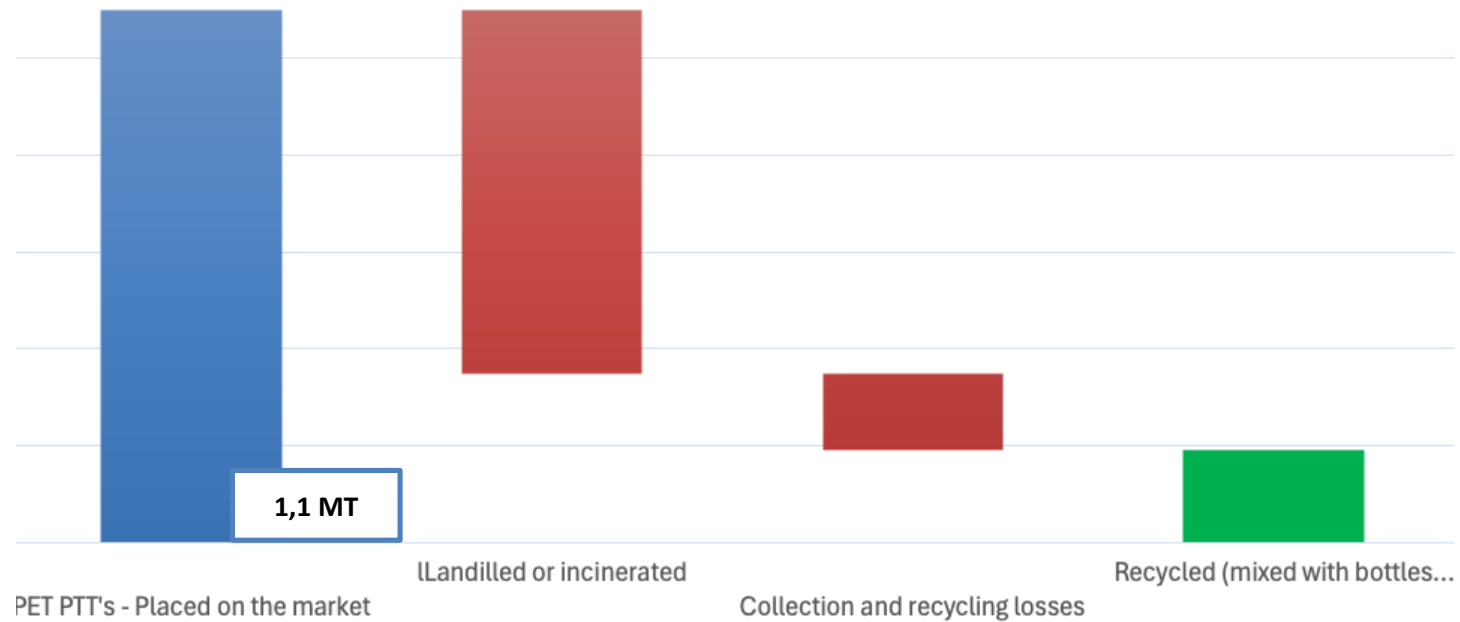
PPWR		
	2030	2040
Contact sensitive packaging mainly in PET (Single use beverage bottles excluded)	30%	50%
Contact sensitive plastic packaging other than PET (Single use beverage bottles excluded) (*)	10%	25%
Single use plastic beverage bottles	30%	65%
Other plastic packaging (*)	35%	65%
Minimum recycled content in plastic packaging calculated per packaging type and format, as an average per manufacturing plant and year (*) Derogation possible based on EC assessment by 1 Jan 2028		

2035

- (38) **'packaging waste recycled at scale'** means *packaging waste which is collected separately, sorted and recycled in installed infrastructure, using established processes proven in an operational environment which ensure, at Union level, an annual quantity of recycled material under each packaging category listed in Table 2 Annex II, equal to or greater than 30% for wood and 55% for all other materials; it includes* packaging waste that is exported from the Union *for the purpose of waste management and which can be considered to meet* the requirements of Article 53(11);

# Thermoforms Working Group

## The situation



0,2 MT

# Thermoforms Working Group

Improvement Opportunities	THERMOFORMING WORKING GROUP	FUNCTIONAL BARRIER	Standardization-TCEP	SPECIAL PROJECTS	Communications and Public Relations
STRATEGY	Implement the sense of urgency	Keep project tracking	Ensure Thermoforms is compatible with collection, sorting and recycling Capabilities installed.	Look for self-funded projects	Increase the presence of PETCORE in Events, conferences and exhibitions
	Look for reliable state of play information	Accomplish with Regulation requirements	Establish and maintain DfR Guidelines.	Promote Technology developments.	Establish a regular communication plan on activities and progress
	Collaboration and link with all stakeholders	Keep communication and collaboration among members	Maintain and update Recyclability protocols	Become reference in circularity activities	Increase presence in social media
	Foster for Best recycling technologies	Follow monitoring programs	Support the industry on the evaluation process.	Find options to challenge regulation	Improve knowledge of the thermoforming event in the stakeholders
	Further involvement of Retailers and packers	Establish a reference platform for food contact analysis	Demonstrate to Authorities effectiveness of the system	Collaborate in the implementation of innovation projects	Promote open Webinars and workshops
	Increase collaboration of EPR'S	Promote KÖR platform	Become the recognized platform for tray recyclability evaluation.		Work on crossfunctional activities with members to increase our visibility
	Get visibility to T2T success histories		Establish link between CEN standardization procedures and TCEP platform		Further involve members in the communication to final users
	Accomplish with Regulation Requirement (SUP&PPWR)				Promote collaboration with other associations to gain visibility
TASK FORCE GOALS	INCREASE THE RATE OF COLLECTION AND SORTING	Provide all support for EFSA approval of FB as suitable technology	Be the reference body for the Recyclability evaluation of Thermoformed packaging.	PROMOTE TECHNOLOGY DEVELOPMENTS.	BECOME A REFERENCE IN CIRCULARITY PROJECTS AND CIRCULARITY EVALUATION TOOL
	PROMOTE TECHNOLOGICAL DEVELOPMENTS ON TRAY CIRCULARITY				



# Thermoforms Working Group

- **60 members** of the Association are PET thermoforms converters
- They represent more than **80%** of the PET Thermoforms placed on the **market**
- Objective is to use this **power** to make a **step-change**
- **Collection** and **Design for recycling** are at the core of our work



# Functional Barrier

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- EU 2022/1616 has set specific rules for the **Functional Barrier**
- It is defined as a **Novel Technology**
- **Chapter 32** sets detailed rules for the operators using this technology and encourages for a **consortium approach**
- **PETCORE EUROPE** has decided to propose its members to act as a ‘**developer**’, to collect information and build the needed dossiers
- **Cost and time saving** for the members and the competent authorities
- PETCORE ‘s consortium provides a **technical** and **regulatory support**
- The members of the consortium are required to contribute each year (4-5k€ during the length of the procedure) which is a significant cost saving compared to running individual dossiers).





# Functional Barrier

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- In 24 months, the consortium has delivered:

→ The initial **notification** dossier

→ 3 **monitoring** reports

AND

Developped in collaboration with **KOR**

→ A **marketplace** to find the laboratories to make the measurements

→ A **database** to aggregate all the results (000's of data points)

→ **Proficiency** testing exercices

