



Consorzio Nazionale
per la Raccolta,
il Riciclo e il Recupero
degli Imballaggi
in Plastica

Thermoforms Conference 2024:

Towards Circularity of PET thermoformed packaging

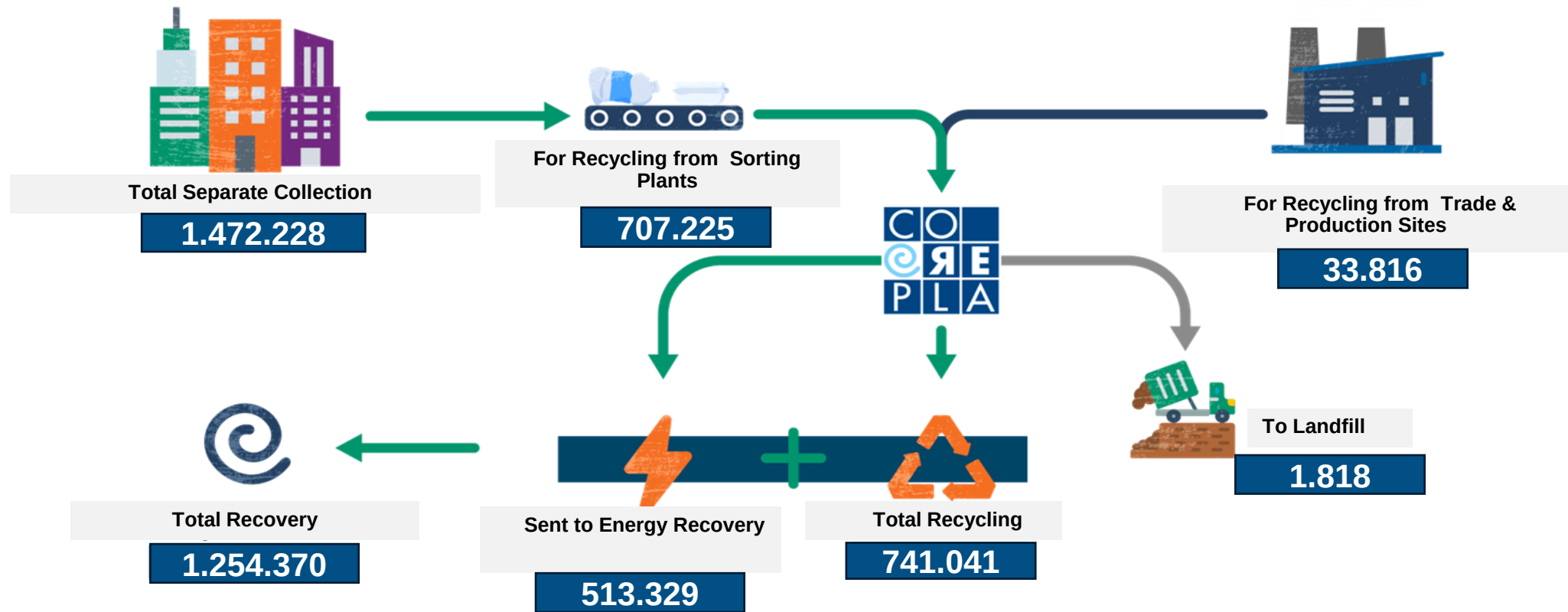
The Italian experience: an update



Granada, 25-26 June 2024

Corepla at a glance

Demand 2.2 Mn Ton



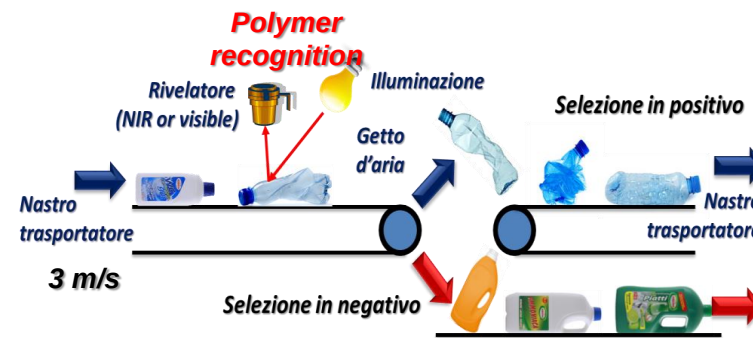


Sorting Centers in Italy



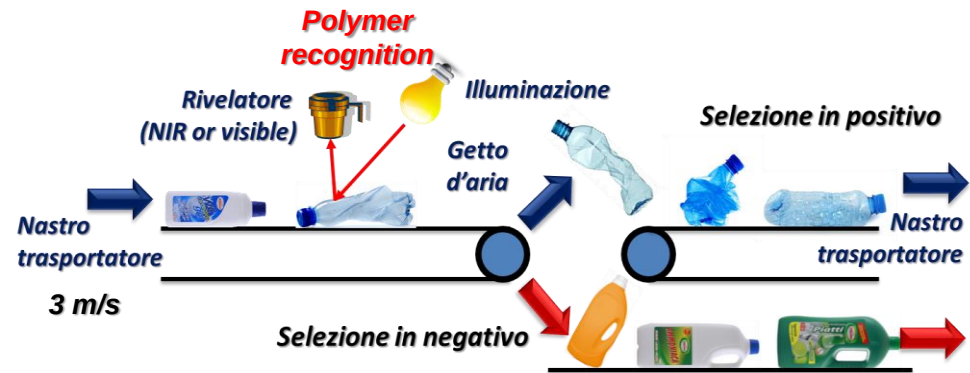
[illegible]

- **Small fraction** separation of non selectable material (< 5x5 cm)
- Separation of **flexible packaging** from **rigid packaging**
- **Automating sorting** by polymer/colour into **homogeneous flows**
- Possible mistakes correction to be made by **operators**



Improving PET Circularity

- **Small fraction** separation of non selectable material (< 5x5 cm)
 - Sorting small PET containers from other materials
- Separation of flexible packaging from rigid packaging
- Automating sorting by polymer/colour into homogeneous flows
- Possible mistakes correction to be made by operators



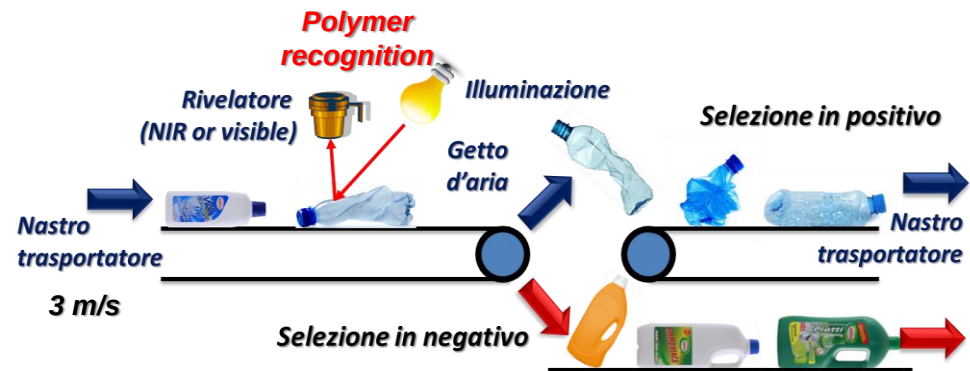
Improving PET Circularity

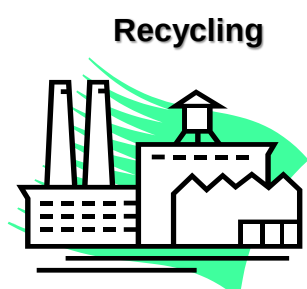
- Small fraction separation of non selectable material (< 5x5 cm)
- Separation of **flexible packaging** from **rigid packaging**
 - Improve performance of **rotational vibrating screen** and **ballistic separators**
 - Improve the **removal of lightweight** materials
- Automating sorting by polymer/colour into homogeneous flows
- Possible mistakes correction to be made by operators



Improving PET Circularity

- **Small fraction** separation of non selectable material (< 5x5 cm)
- Separation of **flexible packaging** from **rigid packaging**
- **Automating sorting** by polymer/colour into **homogeneous flows**
- Possible mistakes correction to be made by **operators**





Corepla's milestones in PET containers

2014

Launch of sorting tests by Corepla covering PET containers only.

2015 - 2016

4,000 tonnes sent for recycling.

2017 - 2019

Under-developed technology and market: Corepla discontinues its sorting activities

2020

Through a collaborative project with ProFood, Conai, Unionplast, SSCs and recyclers, Corepla resumes sorting and recycling tests.

2021 - 2022

Initial structured results with approximately 4,000 tonnes/year of recycled containers.

2023

Launch of extensive sorting at most Corepla SSCs, with about 9,000 tonnes of containers sent for recycling.

2024

11,000 tonnes to be sorted for recycling



The industry is moving fast...





Promote recycled content even if the packaging looks less “transparent”.



Downstream, demand driven by recycling should be encouraged.



Eco modulation – Recyclability will pay-back



Thermoform PET packaging (e.g. boxes, jars, trays and blister packs) transparent and non-metallic or laminated with other packaging materials. Multi-layer plastic solutions are tolerated, as long as PET is the primary material.

2018 – 2022

Category C

Packaging for which there are not recyclable at scale or which cannot be sorted/recycled using current technology



Since 2023

Category B2.3

Other **selectable/recyclable packaging** from the Household Channel and/or Retail & Industry Channel with **experimental and consolidating recycling processes**





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Thanks!

[corepla.it](https://www.corepla.it)