

PETCORE EUROPE

www.petcore-europe.org



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Chairman
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PET is good for our Society

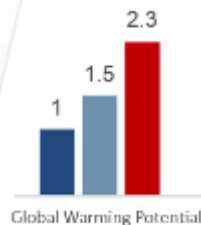
PET protects people and Goods

strong positive impact on Health and
Safety and reduces food waste

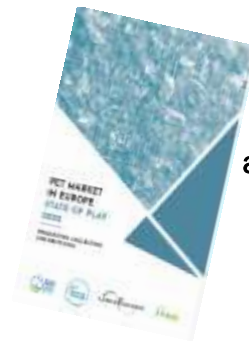


PET has lower footprint

Aluminium or Glass increases
the global warming potential



■ PET bottle
■ Aluminium cans
■ Glass bottles



**Important Collection (90%)
and Recycled content (30%) targets**



Source UNEP:

https://www.lifecycleinitiative.org/wp-content/uploads/2020/07/UNEP_PLASTIC-BOTTLES-REPORT_29-JUNE-2020_final-low-res.pdf

Why Plastic packaging is so widespread?

Polymers have deeply modified the packaging.

Plastic packaging is extremely relevant for the food sector.



Food deterioration in the handling between the production and the consumption, drops from 50% to 3% in the countries “packaging oriented” (*).



At the retailers shops, fruit and vegetable deterioration on the shelf is 26% higher vs. packed one.

10 gr of multilayer film and a PET tray increase shelf life of ‘meat’ by few days to almost one week longer.

Parmigiano Reggiano with few grams of multilayer film reaches a shelf life >50 days longer.

1,5 grams of plastic film increase cucumber shelf life by 3 to 14 days.

Hygiene is by far better in the packed food.

(*) source : British Plastic Federation- Plastic protect the environment



Why plastic packaging: Efficacy

Alimento	KG di CO ₂ /KG prodotto	Imballaggio	KG di CO ₂ /prodotto
Carne Bovina	13,3	Vassoio PP per carne 0,5 l	0,084
Caffè	8,5	Bottiglia PET 1,5 l	0,085
Formaggio morbido	1,95	Contenitore PP Yogurt 0,5 l	0,073
Latte	1,3	Vassoio PS 0,5 l	0,065
Pasta	0,92	Film LDPE 1 mq	0,049

Source: On the Sustainability of Plastic packaging – German Association Plastic Packaging Manufacturers IK

CO₂ emissions of food potentially wasted is much higher than the CO₂ emission generated in the production of plastic packaging.





The Project



The Trenitalia - PETCORE EUROPE Project

Replacement of the actual
cardbord tray by 47gr non
stackable, with one made
in rPET by 29gr,
recyclable & stackable
produced by an Italian
company active in the
recycling sector.



The Trenitalia - PETCORE EUROPE Project

Emission comparison



In the first pass, 28g rPET result in 0.11 kg Co2 eqv

While 48g Cardboard result in 0,15 kg Co2 eqv



MD04-750PET

The Trenitalia - PETCORE EUROPE Project

PET trays collection is managed by Corepla: the Italian EPR scheme reaching excellent targets in the plastic waste collection & recycling.

The Italian EPR scheme:
Corepla is a unique example in Europe where the plastics value chain has taken full liability of collecting and recycling plastics packaging.

QUANDO SI TRATTA DI PLASTICA,
USA IL CERVELLO.



Corepla fa parte del sistema



#ecologiadellinformazione





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Annual Conference 2024

www.petcoreeuropeannualconference.eu



Communications Campaign

www.recycletheone.com

THANK YOU
Antonello Ciotti



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