





Catch up on plastic packaging waste

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European competitive landscape: how plastics can contribute ?

1	PLASTICS SCENARIO
2	PLASTIC PACKAGING
3	WASTE MANAGEMENT

European disadvantages remain even with oil price drop

- Gap in energy cost compared to USA and Middle East
- Raw materials availability and cost
- Weak growth in demand
- Lack of uniformity in climate policies



The specialization of plastics offers higher added value products and a price dynamic more independent from raw materials





Ethylene production cost (\$/mt)

Plastics: sustainable and resource-efficient solutions

PLASTICS SCENARIO

2 PLASTIC PACKAGING

3 WASTE MANAGEMENT





EU demand share

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Plastic packaging has the smallest environmental footprint



The positive impact

- Protects foods during shipment
- Slows spoilage
- Saves transportation costs due to lighter weight



Without plastics, retailers' fleets would make 50% more journeys

Packaging becomes more and more light for same content





Plastic packaging saves food





The challenge

In developing countries, 40% of food losses occur at post-harvest and processing levels. This is partly due to the lack of appropriate packaging solutions

Source: FAO report "Global food losses and food waste"





egg breakage is reduced by 80% when using plastic packs instead of alternative materials



modern packaging (seven layers of different plastics) increases Parmigiano shelf life from 20 to 50+ days



1,5g of plastic wrapping keeps cucumber fresh for 14 days

Source: Uk Advisory Committee on Packaging

In Europe, only 3% of all products delivered to customers are spoilt between production and transport, thanks to packaging





Innovation to keep food fresh for longer

1

3



High-performance plastic packaging can extend food shelf life and minimize spoilage









Highlights on plastic packaging waste

- 40% recycling rate for packaging, higher than plastics in general
- packaging at 62% of plastic waste collected, due to the short life time







Plastics recycling is the preferred option



efficient Waste-to-Energy facilities to produce electricity and heat





R&D @work to improve the end-of-life of plastics

Innovation in plastic packaging is looking for solutions to reduce the environmental footprint of the end-of-life, while keeping performances





Plastics are too Valuable to be wasted!





PLASTICS SCENARIO

WASTE MANAGEMENT

2

PLASTICS SCENARIO

PLASTIC PACKAGING

WASTE MANAGEMENT

Marine litter is a global challenge that requires a coordinated engagement of all the stakeholders, from the production phase (design, transformation, transport) till the end-use and waste management with consumers and authorities

Global Action Plan of the plastics industry committed to around 185 projects targeting mainly at

- 1. Education to prevent Marine Litter
- 2. Waste Management improvement
- 3. Research for solutions
- 4. Plastic pellet containment

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Catch up on plastic packaging waste: conclusions

improvement in sorting technologies (optical, image recognition)



eco-efficient EPR systems













collection

eco-design of products

consumers awareness and conscious behaviour



1 2 PLASTICS SCENARIO

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