The UNKNOWN LIFE of PLAST CS



Why are many products packed in plastics today? And what should be done with the packaging when it becomes waste?



PLASTICS ARE VALUABLE

During the production and the use phase

PLASTIC PACKAGING IS LIGHTER THAN ALTERNATIVE MATERIALS, THEREBY

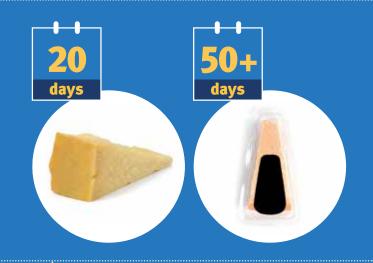
- ► Saving energy
- Reducing CO2 emissions
- ► Saving resources



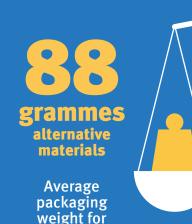


PLASTIC PACKAGING HELPS PREVENT FOOD WASTE.

Modern packaging increases Parmesan cheese shelf life from 20 to 50+ days



PLASTICS REDUCE THE **VOLUME AND WEIGHT** OF PACKAGING:



1 kg of product



Using plastic packaging for all products would:



BOOkg an average truck load 2 litres of diesel per 100 km

Save up to



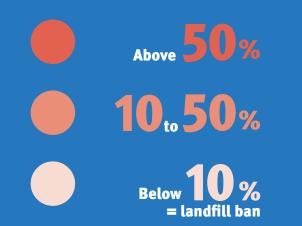




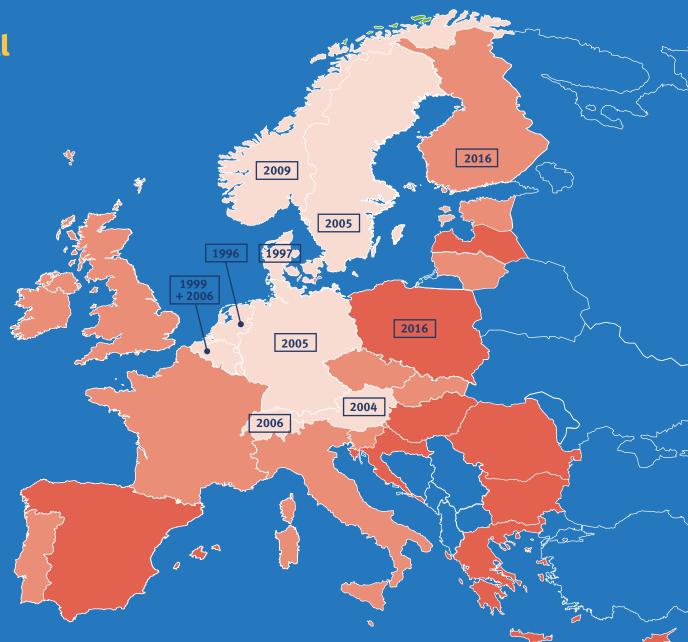
WHEN PACKAGING BECOMES WASTE

Plastic waste sent to landfill (2014 data)

IN MANY COUNTRIES PLASTIC WASTE STILL ENDS UP IN LANDFILLS HOWEVER SOME COUNTRIES HAVE BETTER SOLUTIONS



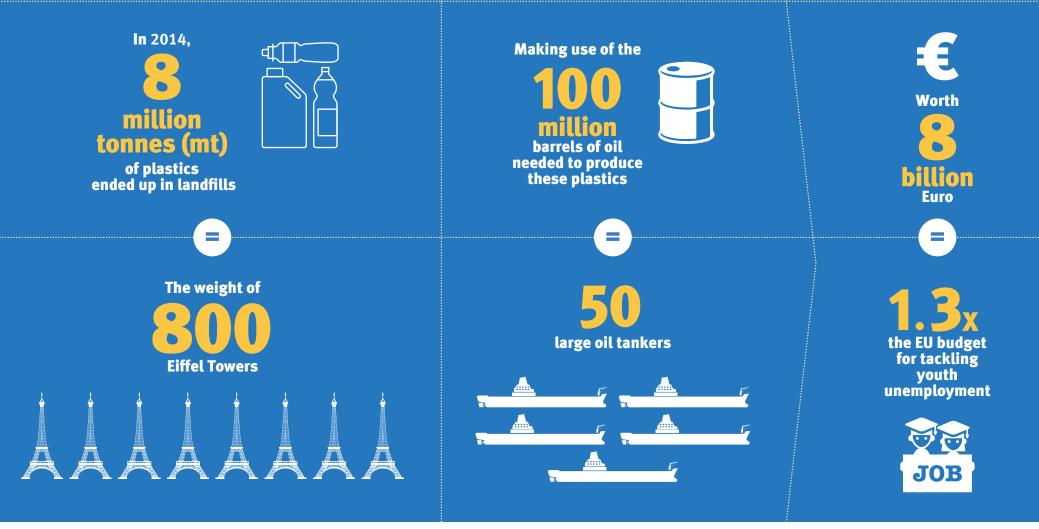
Date of landfill ban in force





ZERO PLASTICS TO LANDFILL BY 2025

Stopping the landfilling of recyclable and other recoverable waste, including plastics, by 2025 in Europe brings economic and environmental benefits



RECYCLING IS THE PREFERRED OPTION FOR PLASTIC PACKAGING



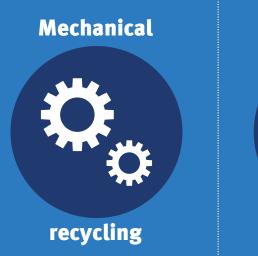
Plastics recycling today works well for packaging which is easy to collect and sort, for example for plastic bottles and commercial packaging films Recycling technology for plastics is still at an early stage since plastics is the youngest material. In order to realise its full potential, more innovation in plastics recycling technology is needed



Young material, young technology

Mechanical recycling

refers to operations that aim to recover plastics via mechanical processes (sorting, shredding, washing, drying and pelletising), thus, producing recyclates that can be converted into new plastic products



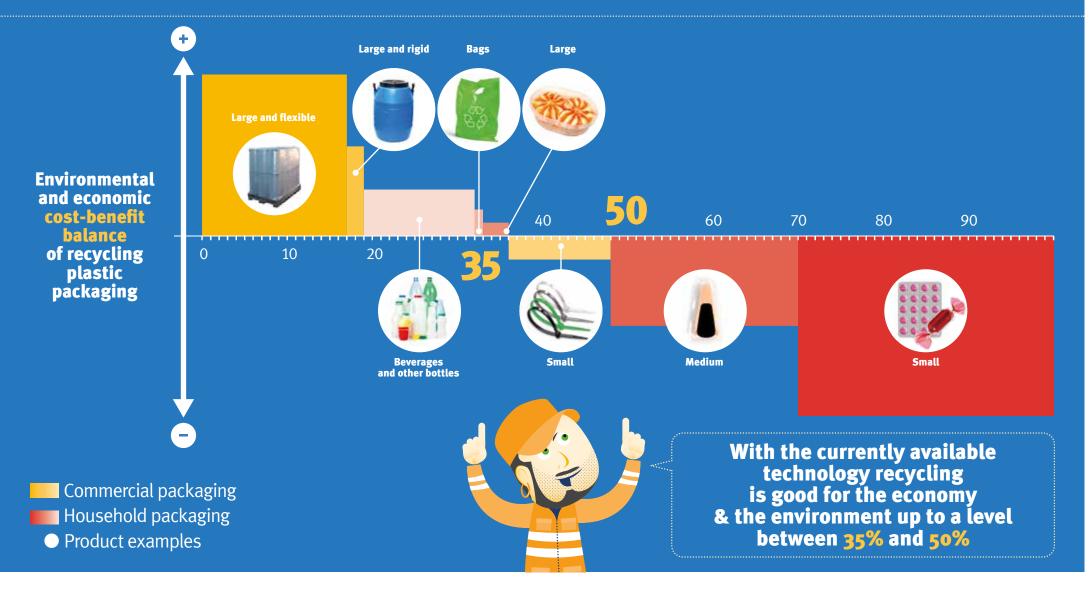


Chemical recycling

is a promising technology which would turn plastics back into their basic chemical building blocks. This would enable plastics to be reintroduced in the production process. As is the case already for other materials such as glass, paper and metal

Making sense of recycling

There is an optimum level for plastic packaging recycling, which is between 35% and 50% in Europe today. Going beyond the optimum level would increase costs for society or have no environmental benefits



Plastic facts How to improve recycling rates?

To recycle more, Member States should:

Stop landfilling of recyclable and other recoverable waste by 2025





3.

1.

Improve separate collection of bio-waste and dry-recyclables such as plastic packaging



Support innovation in plastics recycling



Zero Plastics to Landfill by 2025 will boost recycling











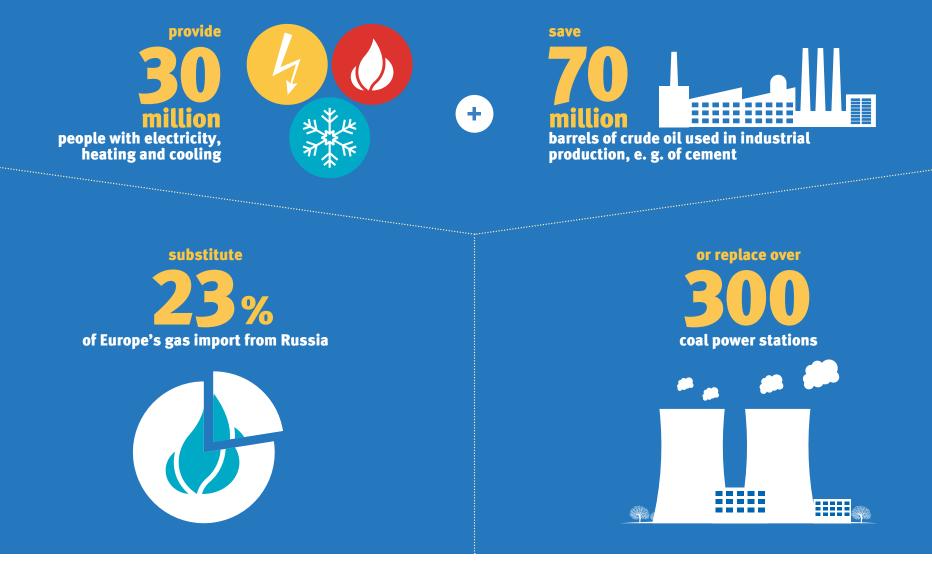
Equivalent to taking





WHAT ARE THE ALTERNATIVES?

Waste which cannot be recycled sustainably should be used as an energy source, thereby generating an additional 300 TWh of electricity and heat each year, enough to:



FROM BEGINNING TO END: PLASTICS ARE VALUABLE!

DUE TO THEIR **LIGHTWEIGHT CHARACTERISTICS** AND THEIR ABILITY TO ACHIEVE MORE WITH LESS, PLASTICS ACHIEVE SIGNIFICANT RESOURCE SAVINGS

PLASTICS AS WASTE ARE A VALUABLE RESOURCE; THEY CAN BE USED TO CREATE NEW PRODUCTS OR TO GENERATE ENERGY

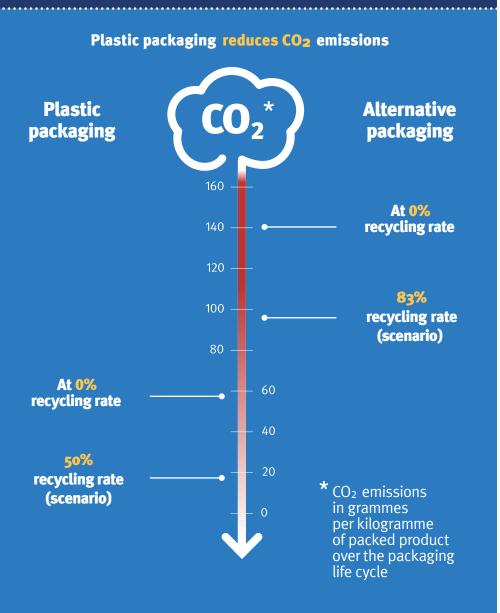
STOPPING THE LANDFILLING OF RECYCLABLE AND OTHER RECOVERABLE POST-CONSUMER WASTE WILL INCREASE RESOURCE EFFICIENCY AND MAKE SURE WE USE ALL THE **BENEFITS PROVIDED BY PLASTICS**

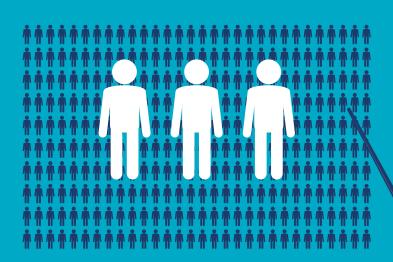
A 38% REDUCTION IN LANDFILLING IN EUROPE HAS LED TO A 64% INCREASE IN RECYCLING AND 46% IN ENERGY RECOVERY





Plastic waste management 2006-2014





Stopping the landfilling of recyclable and other recoverable waste would generate around 300,000

permanent industrial jobs related to new sorting, recycling and energy recovery facilities

PlasticsEurope

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