



Plastics in a Circular Economy

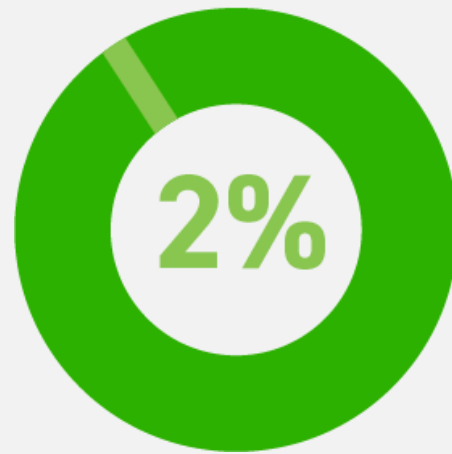
Antonino Furfari, Managing Director

ÖKOINDUSTRIA

8th November 2017 - Budapest

PLASTICS INDUSTRY FACTS EUROPE

Employment

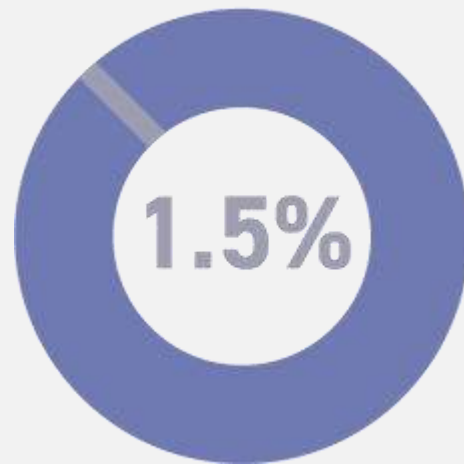


 **1.5 million**
PLASTICS INDUSTRY

 **30.000**
RECYCLING INDUSTRY

PLASTICS INDUSTRY FACTS EUROPE

Companies



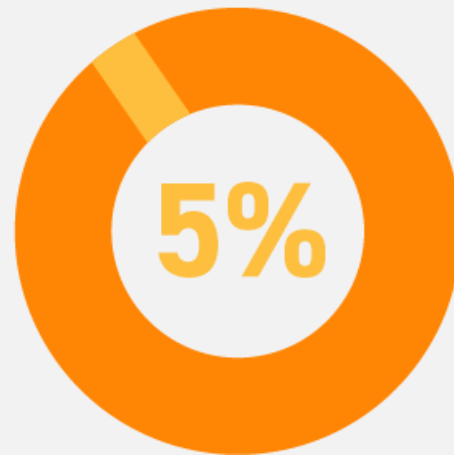
60.000
PLASTICS INDUSTRY



1.000
RECYCLING INDUSTRY

PLASTICS INDUSTRY FACTS EUROPE

Production Capacity



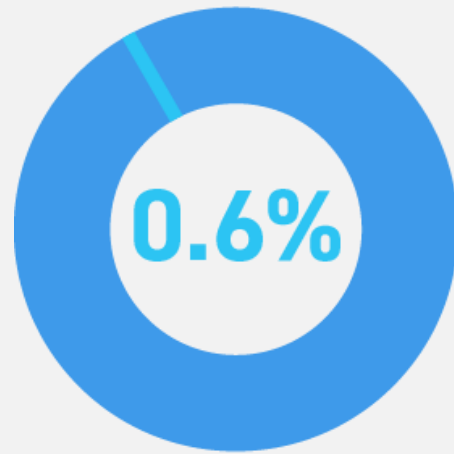
60 million
PLASTICS INDUSTRY



3 million
RECYCLING INDUSTRY

PLASTICS INDUSTRY FACTS EUROPE

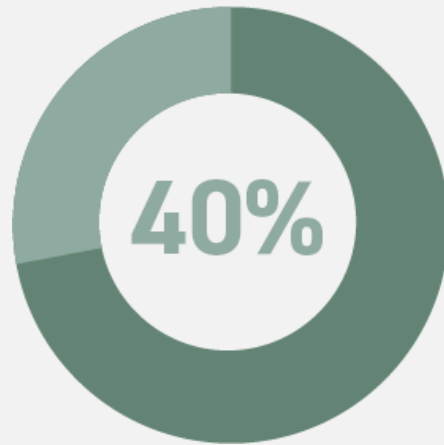
Turnover



€ **350 billion**
PLASTICS INDUSTRY

€ **2 billion**
RECYCLING INDUSTRY

PLASTICS INDUSTRY FACTS EUROPE

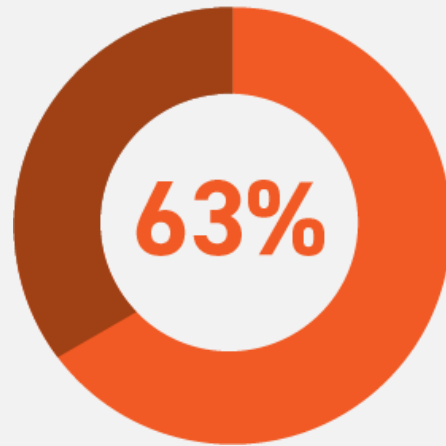


60.000.000 tonnes
EUROPE'S PLASTICS CONSUMPTION

PACKAGING

Source: PlasticsEurope demand for plastics

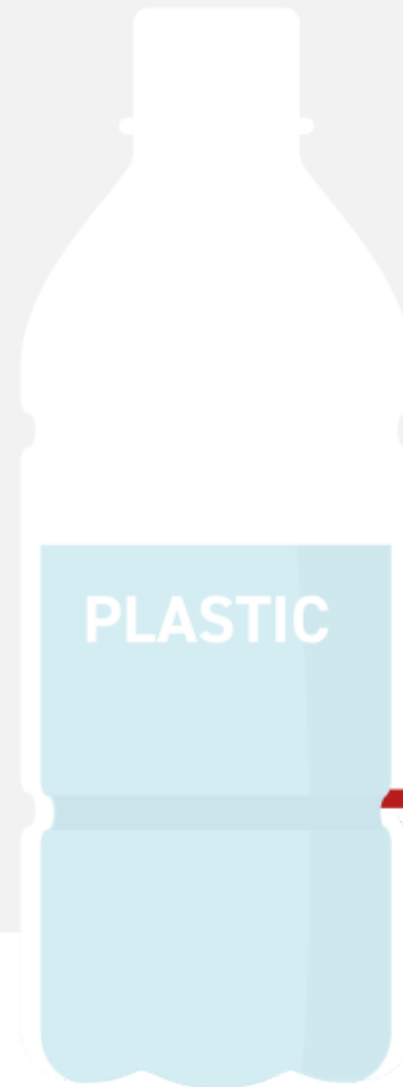
PLASTICS INDUSTRY FACTS EUROPE



26.000.000 tonnes

EUROPE'S PLASTICS WASTE

PACKAGING



34.5M
STOCKED



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BUSINESS AS USUAL

2016



2050



PLASTICS CHALLENGES



OIL DEPENDANCE



GHG EMISSIONS



MARINE LITTER

SOLUTIONS TO PLASTICS WASTE MANAGEMENT



ECO-DESIGN



**COLLECTION
& SORTING**



**CONSUMER
AWARENESS**

STRUCTURE

THE PLASTIC FLOW



Symptoms of low quality recyclates

HIGH QUALITY
RECYCLATES

Low quality
virgin raw material

Lack of consumer
awareness

Poor sorting

Impact of additives

Poor design for
recycling

LOW QUALITY
RECYCLATES

Poor collection



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ECODESIGN IS KEY

A⁺
RecyClass



A⁺ **B⁺** **C⁺** **D⁺** **E⁺** **F⁺**
RecyClass RecyClass RecyClass RecyClass RecyClass RecyClass



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ECODESIGN



- Mono-material
- Multi-materials with different densities



- No heavy prints
- No paper labels
- No small parts
- No oxo, biodegradable materials
- No heavy glues/adhesives
- No chalk fillers
- No hazardous substances

INCREASE RECYCLING: SEPARATE COLLECTION



INCREASE RECYCLING: THE IMPORTANCE OF SORTING

HARMONIZATION

PURE STREAMS

RELIABLE FEEDSTOCK



**58%
EXPORTS**





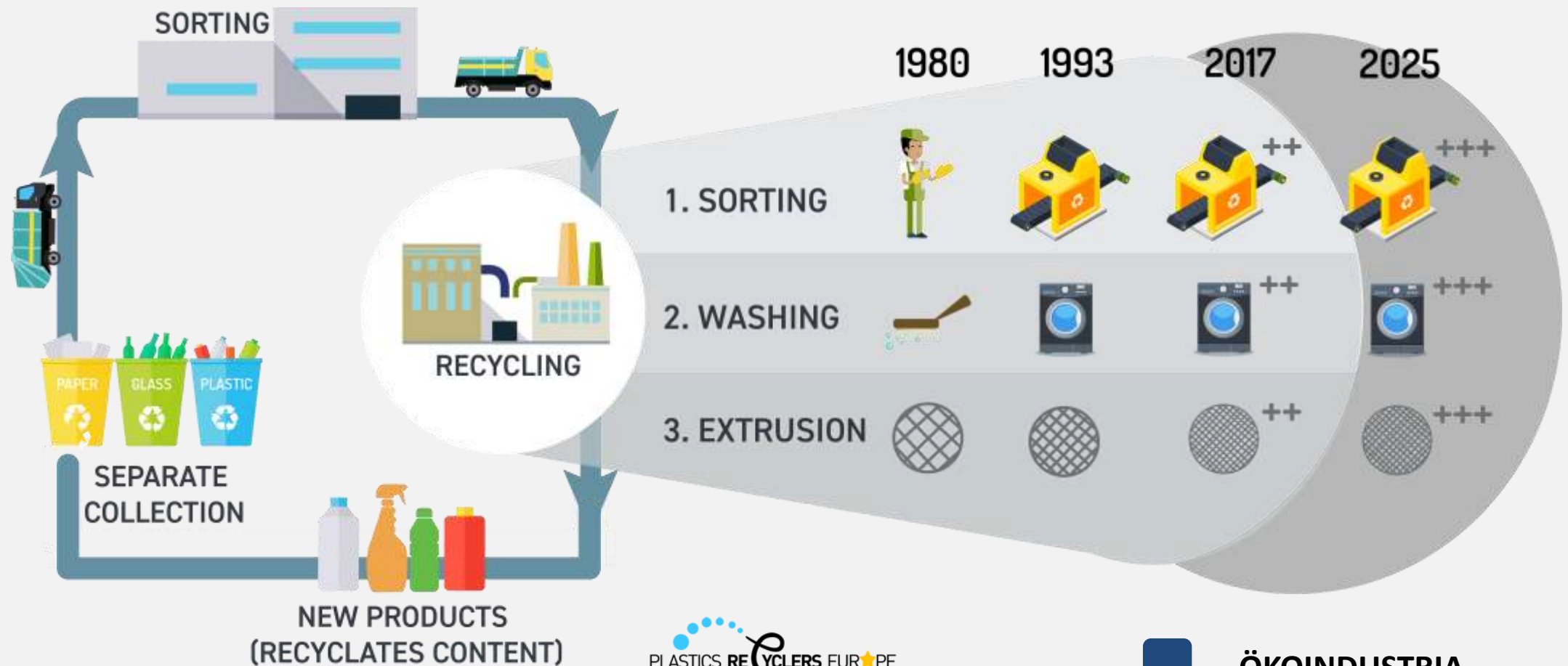
China closes the door to Europe's waste

Higher amounts of waste in Europe

What can we do now?

- ✓ Increase quality
- ✓ Recycle in the EU
- ✓ Boost the use of recyclates

RECYCLING PROCESS THOUGH TIME





55% REAL RECYCLING



ECO-DESIGN



QUALITY COLLECTION
& SORTING



RECYCLED
CONTENT



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Thank you!

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