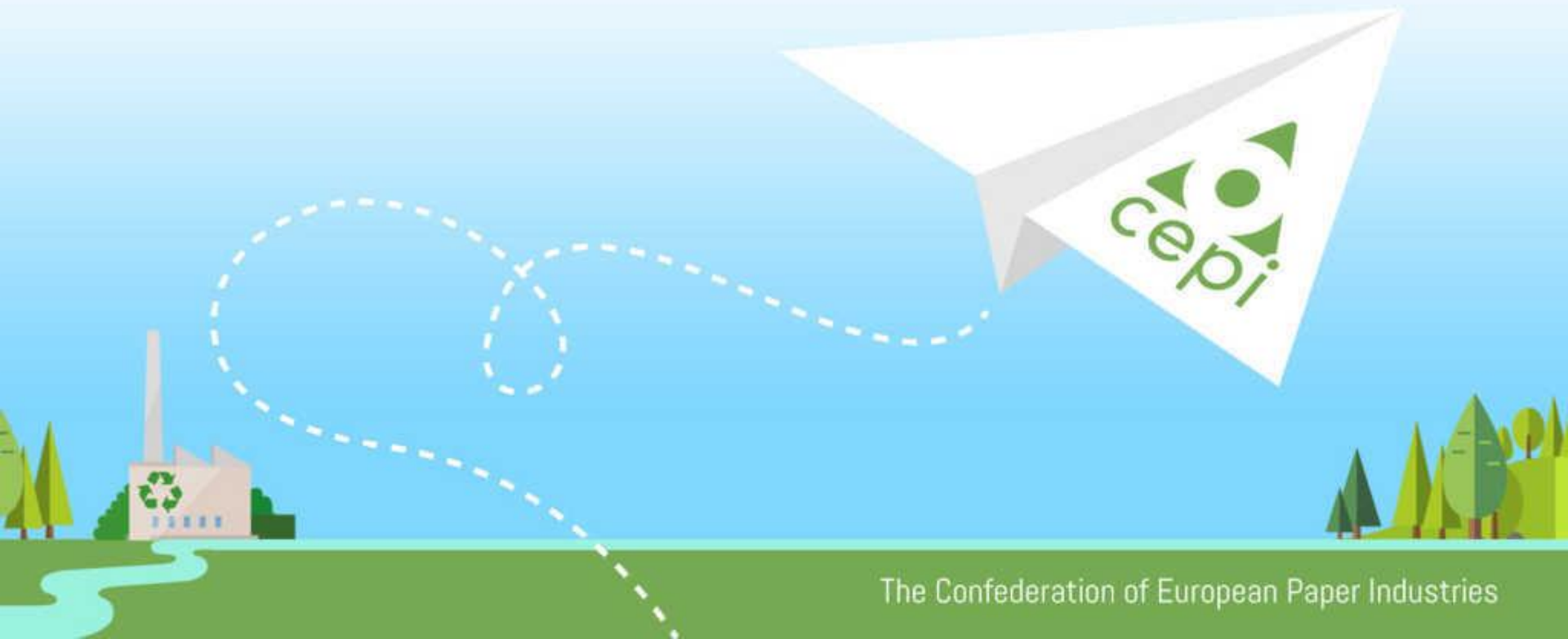


Separate paper collection and increasing paper recycling in Europe: a role model for the circular economy

Ulrich Leberle, CEPI Raw Materials Director

COLLECTORS Public Conference, Warsaw 25 June 2019



The Confederation of European Paper Industries

Recycling needs the right action at all stages of the circle

Information on
products and
collection methods

Design for
Recyclability

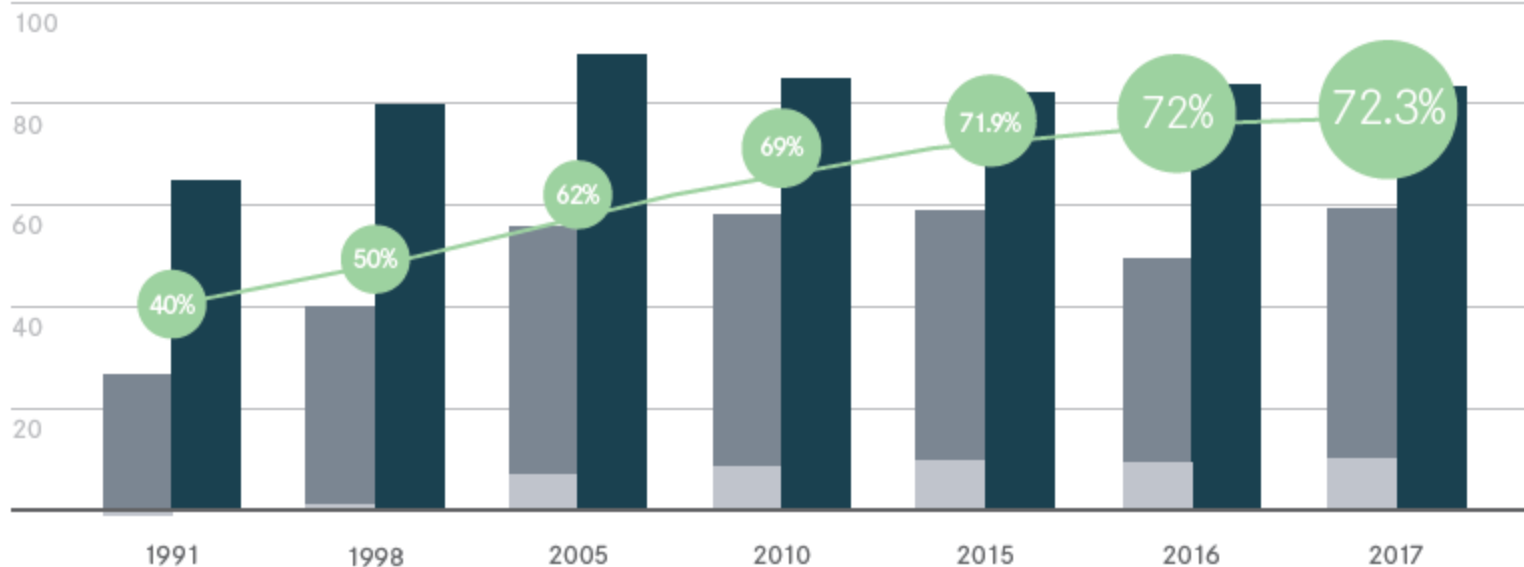
Investment in
recycling capacities



European Recycling 1991 - 2017



MILLION TONNES



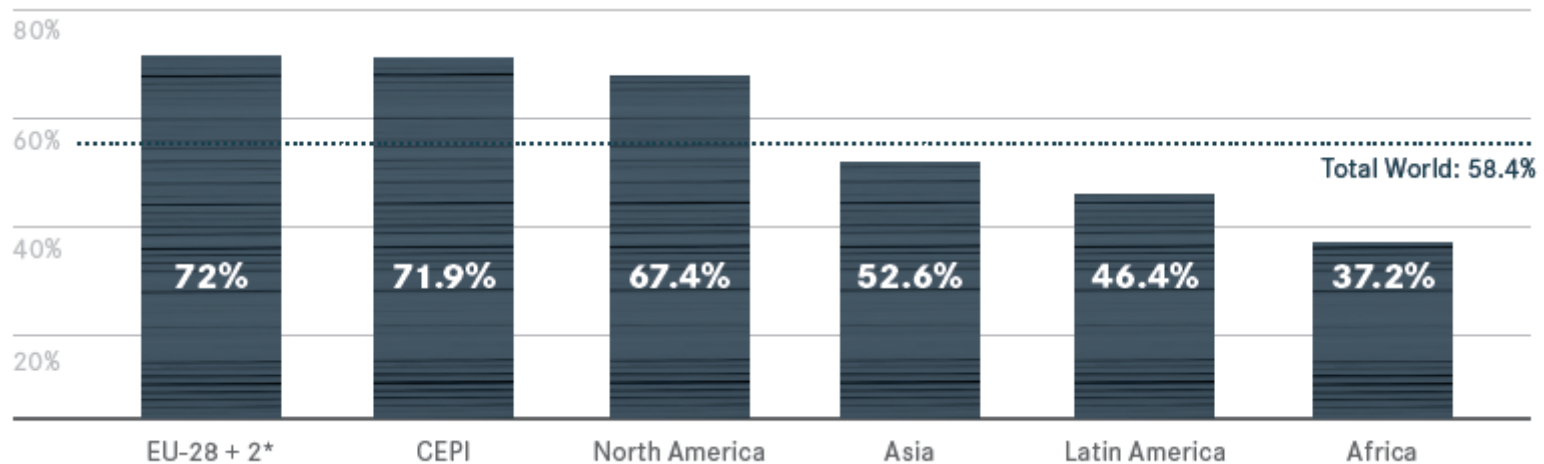
Recycling
outside Europe

Recycling
inside Europe

Paper and Board
consumption
in Europe

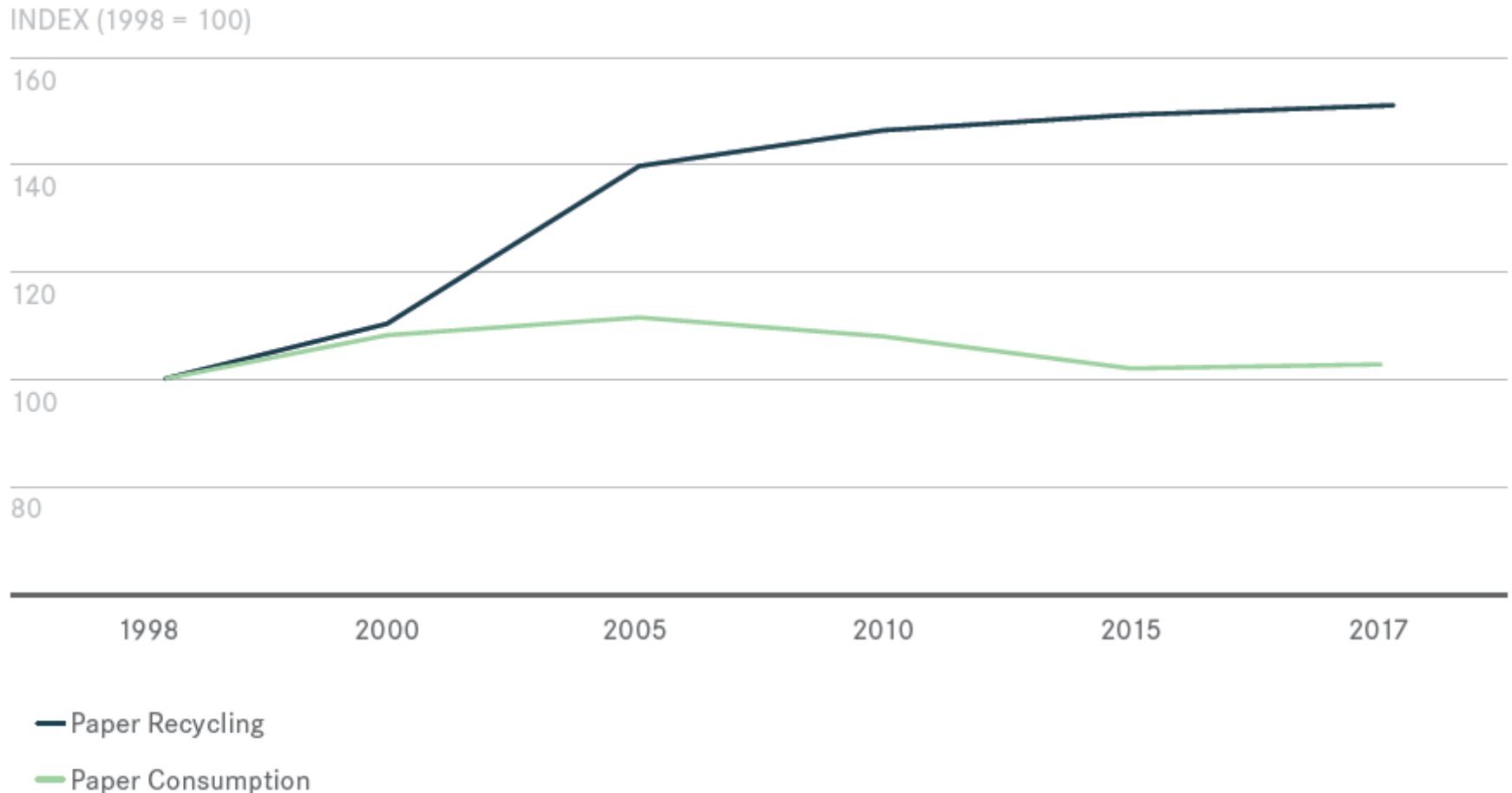
Recycling Rate

Recycling Rate in World Regions in 2016



*Europe is the
paper recycling champion!*

Paper Recycling VS Paper Consumption

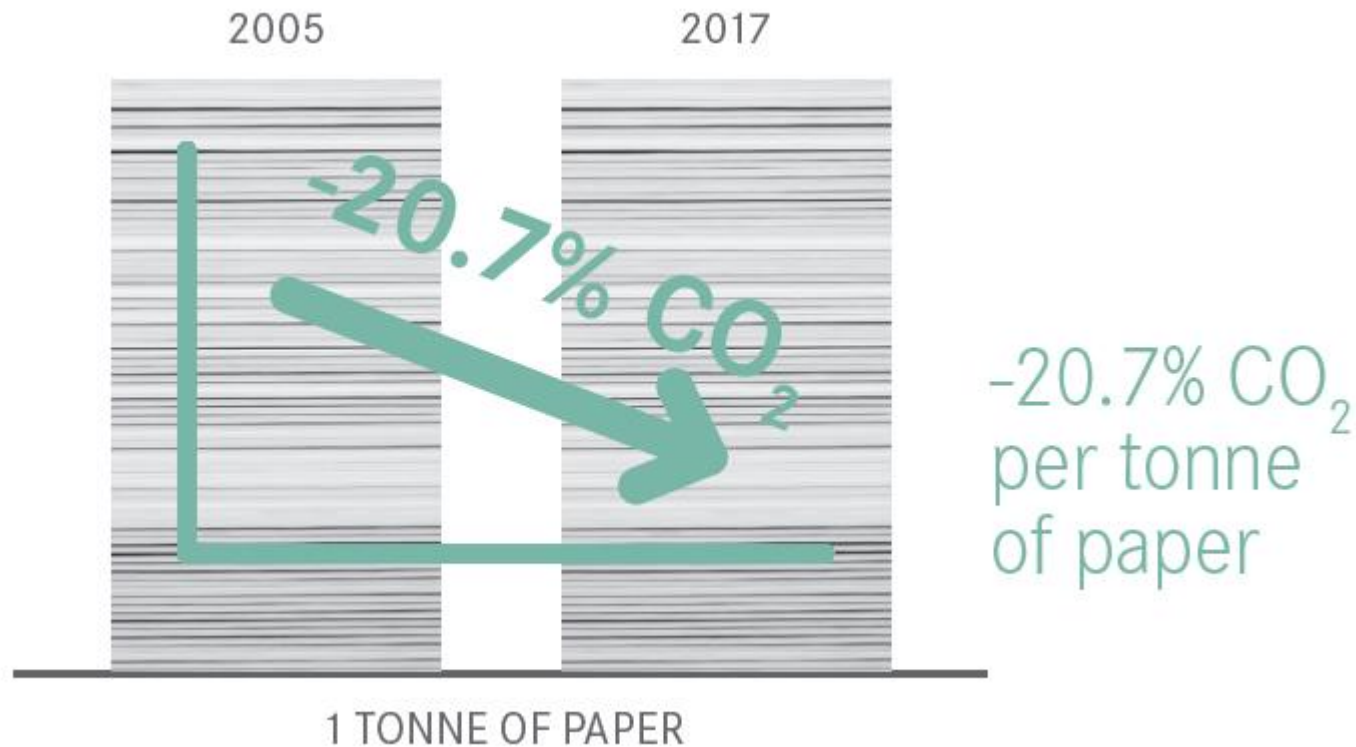


National Recycling Rates in Europe

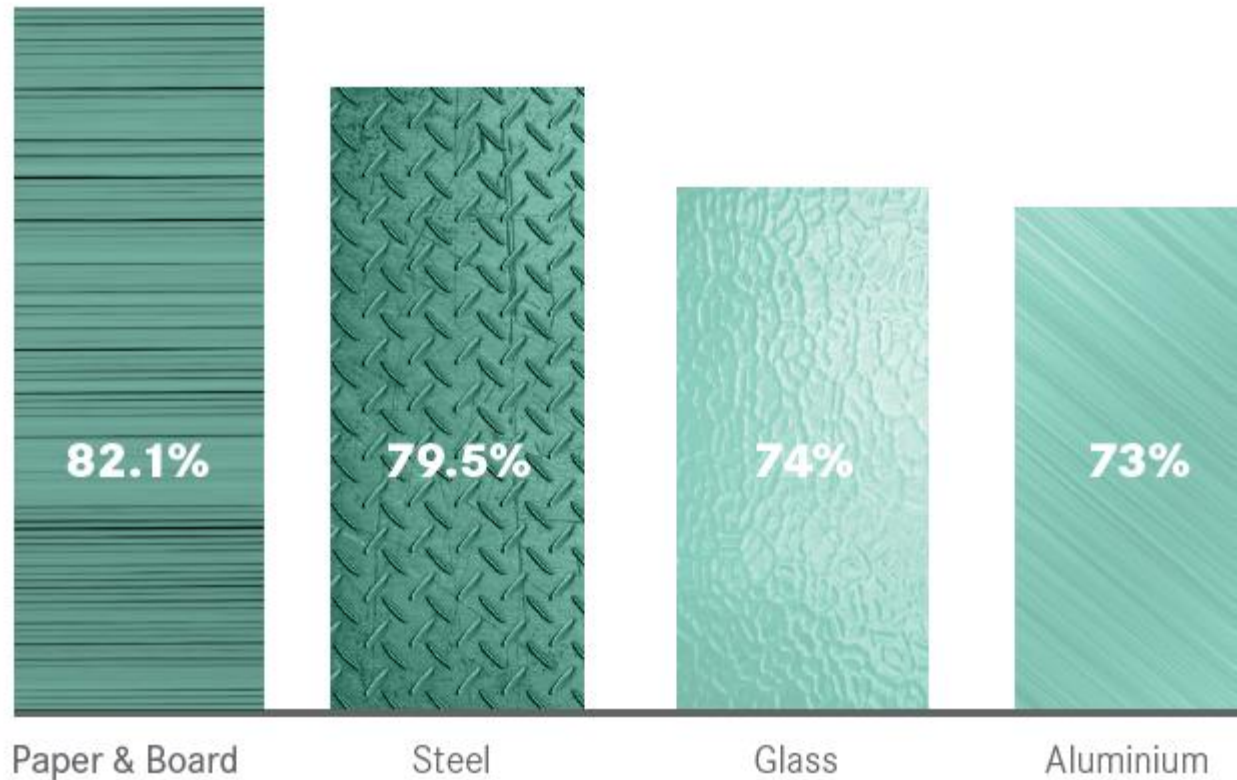


15 European countries exceeded the 70% recycling rate (17 in 2016).
7 European countries were below 60% (9 in 2016).

Reduction of Specific Emissions of CO₂ per tonne of paper production in Europe 2005 - 2017



2017 Packaging Recycling Rates



Paper and board is the most recycled packaging material in Europe

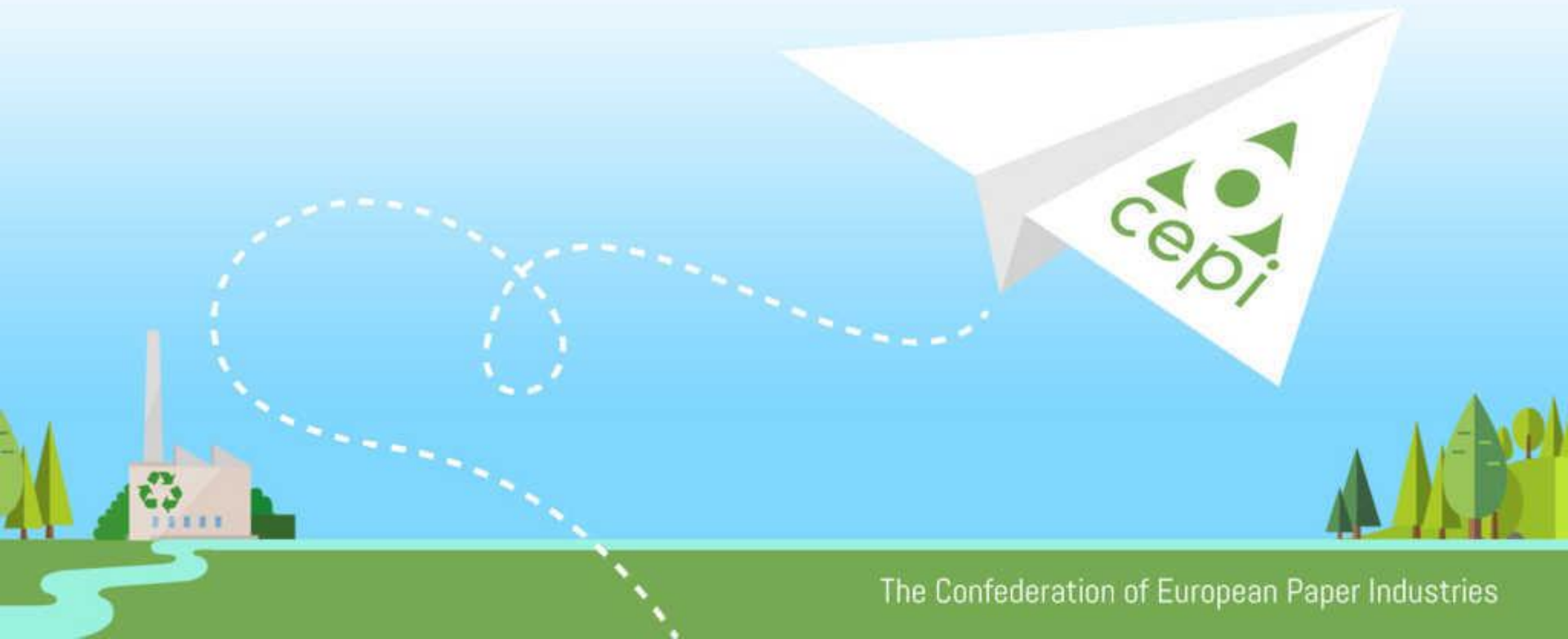
European Paper Recycling Awards



- Last edition
October 2017
- Next edition:
winter 2019/2020



CEPI approach to separate collection



The Confederation of European Paper Industries

The basics: separate means separate

Separate collection



Commingled collection



Selective collection where appropriate



- Where there is a local market for graphic paper
- Where the population is already well informed about the benefits of separation

Multilayered paper packaging

Should be collected separately from paper and board

1. they are significant enough
2. they disturb the standard paper recycling process
3. they are totally recyclable only in dedicated paper mills
4. they contain residues



Other layered packaging

Should be collecting depending on the source

- where they occur in large quantities: separate stream
- In the household: lightweight packaging
- From both streams they should be sorted and recycled in dedicated mills



Food contact material

Should be cleaned and recycled

- If stains → collect with the paper & board fraction
- If solid residues → clean first, then collect with the paper and board fraction.
- If cleaning is not possible. collect with the residual waste



How to collect certain fractions to reach the right paper recycling mill?

CATEGORY	Product type	Estimated Discarded Volume in Europe	Where should it be collected?	How should it be sorted?	Where will it be normally recycled?
Paper and board from households	 Transport packaging	24 million	In the paper and board stream	Into 1.01, 1.02, 1.04, 1.05, 1.11	In standard paper and board mills
Paper Packaging that was in contact with food	 Used pizza boxes		If cleaned and only lightly stained in the paper and board stream. If food residues, discarded in the residual stream	Into 1.01, 1.02,	In standard paper and board mills
Multilayered board	 Beverage cartons	under 1 million	With lightweight packaging (drink bottles and cans)	Into 5.03	Special
Other layered board	 Used coffee cups	100.000-200.000	In high streets, fast food restaurants: In a specific stream In households: With lightweight packaging (drink bottles and cans)	Into 5.14	In mills with special equipment which can use special grades (EN 643 Group 5)
	 Sandwich boxes, mineral water bottles			Into 5.02	In mills with special equipment which can use special grades



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 690182

GOOD AND BEST PRACTICE

Handbook

FOR THE COLLECTION OF PAPER AND BOARD FOR RECYCLING



IMPACTPAPE **REC**

— Boosting separate paper collection —



Thank you

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