



2nd IEF-EU Energy Day

Efficient and sustainable Resource Management in
the Circular Economy

13 Feb. 2018, Riyadh, Saudi Arabia

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Secretary General

EuRIC – Realising the circular economy

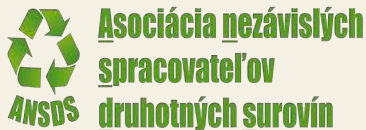
About EuRIC

The European Recycling Industries Confederation (EuRIC) brings together [recycling federations](#) from 20 EU & EFTA Member States and represents:

- 6000 companies, many of them SMEs
- 300,000 local, non-outsourceable, jobs.
- Million tons of waste recycled/year
(Metals, Paper, Glass, Plastics, etc.)
- An annual turnover of about €95 billion



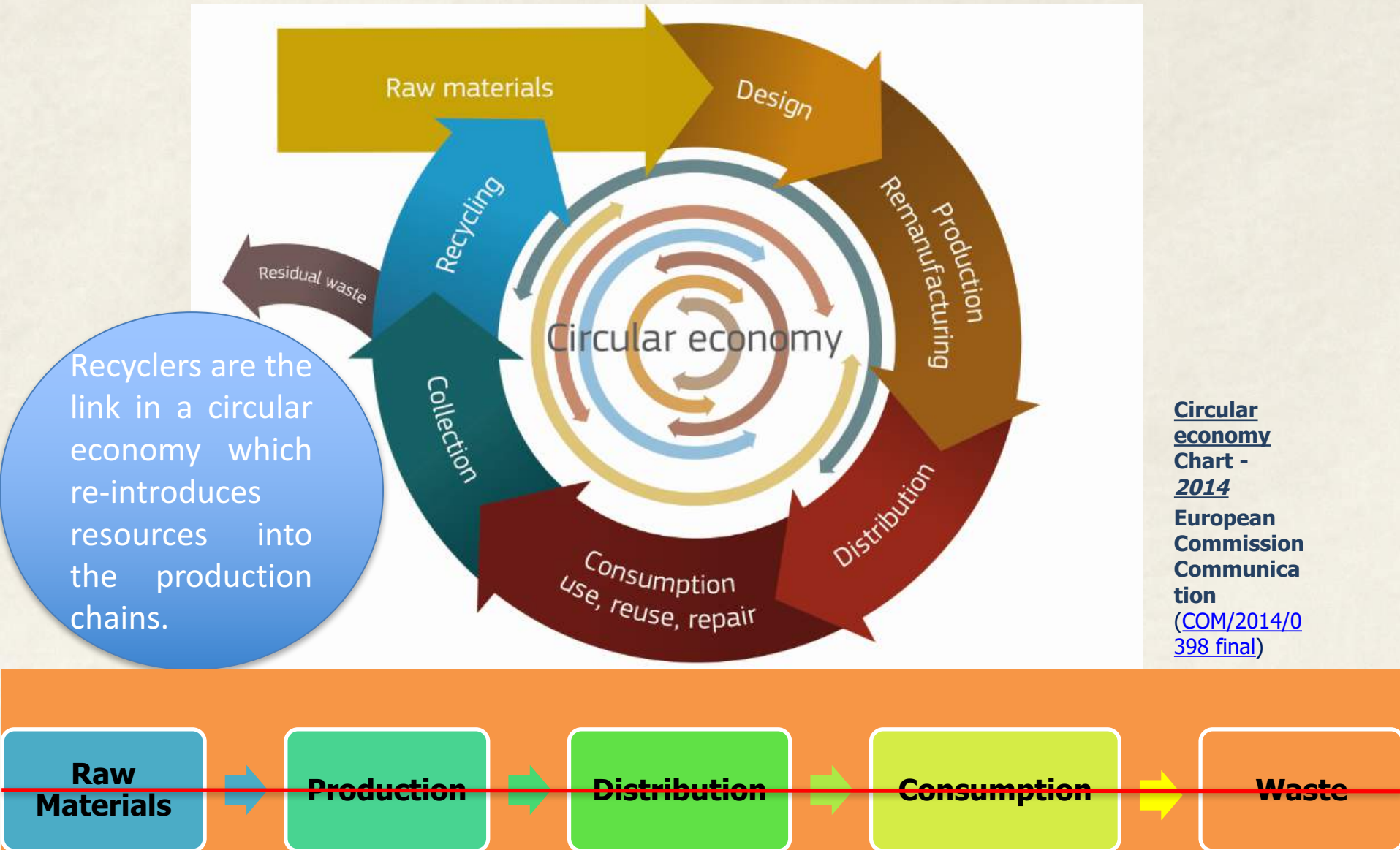
EuRIC – Realising the circular economy



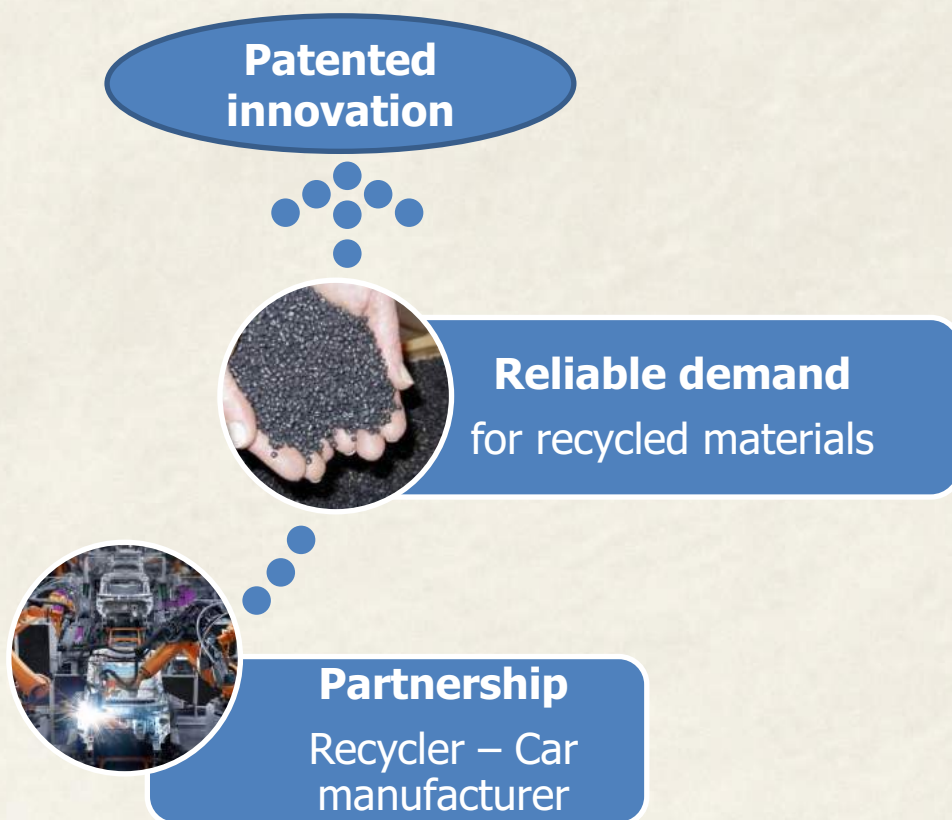
Waste = Resource



From linear to circular economy



Industrial Partnerships



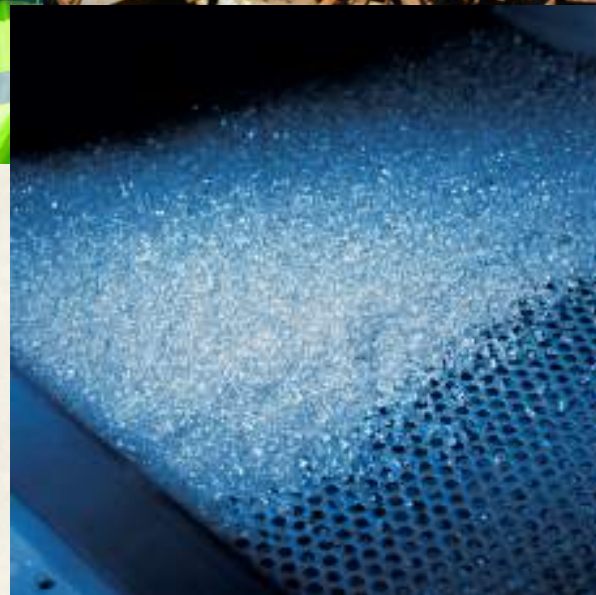
Credit pictures of plastic products: Galloo

Instrumental to identify end markets / partners upfront...

EuRIC – Realising the circular economy



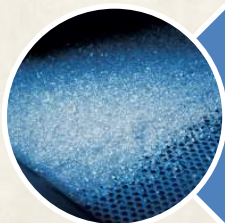
Local jobs



EuRIC – Realising the circular economy

Economic & industrial drivers

Recycling is labour intensive



Processing

Shredding / Washing&Drying / Pelletising



Sorting

5 main qualities: PVC/PE/PS/PET/PP



Collection

(Household, industrial & commercial, etc.)

Table 35: Job intensity in the plastics recycling value chain

	Collection	Sorting/Pre-treatment	Transport	Recycling	Energy Recovery	Landfilling
Direct jobs (FTE per 10 000 t plastic)	23	17	1	30	1	1

The Forces for Scrap Recycling

metal value

50%

of annual crude steel production is based on steel scrap



energy value

**more than
60%**

of energy costs are saved in steel smelting, if based on scrap instead of iron ore



**environmental
value**

reduction

- of emission and pollution
- of waste
- of space for disposal



metal scrap = a very important commodity, traded around the globe

The results by sectors – Metal scrap

CO₂

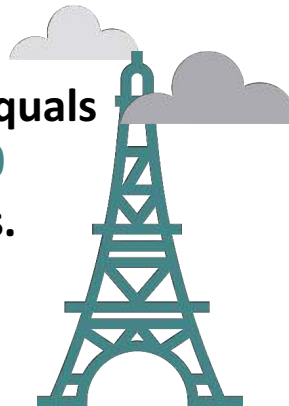
Avoided by scrap metal recycling in France

=

10 blast furnaces emissions



In France, scrap metal recycling equals both, **1200** Eiffel Towers or **300** Charles-de-Gaulle aircraft carriers. (CO₂)



Energy

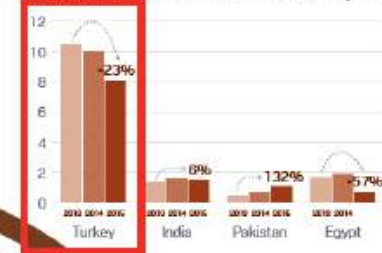
In France, saved energy due to scrap metal recycling corresponds to **5** nuclear reactors annual final production.

International hub of the ferrous scrap market

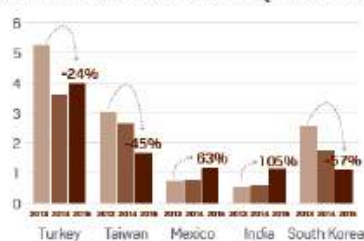


KEY GLOBAL SCRAP EXPORTS IN 2015

SCRAP EXPORTS FROM EUROPE (million mt)



SCRAP EXPORTS FROM US (million mt)



Source: Eurostat for EU data; U.S. Department of Commerce, Bureau of Census for US data

Free and fair trade of SRM
is instrumental for the
recycling industry



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**Thank you very much for
your attention!**

