

European Commission

Circular Economy

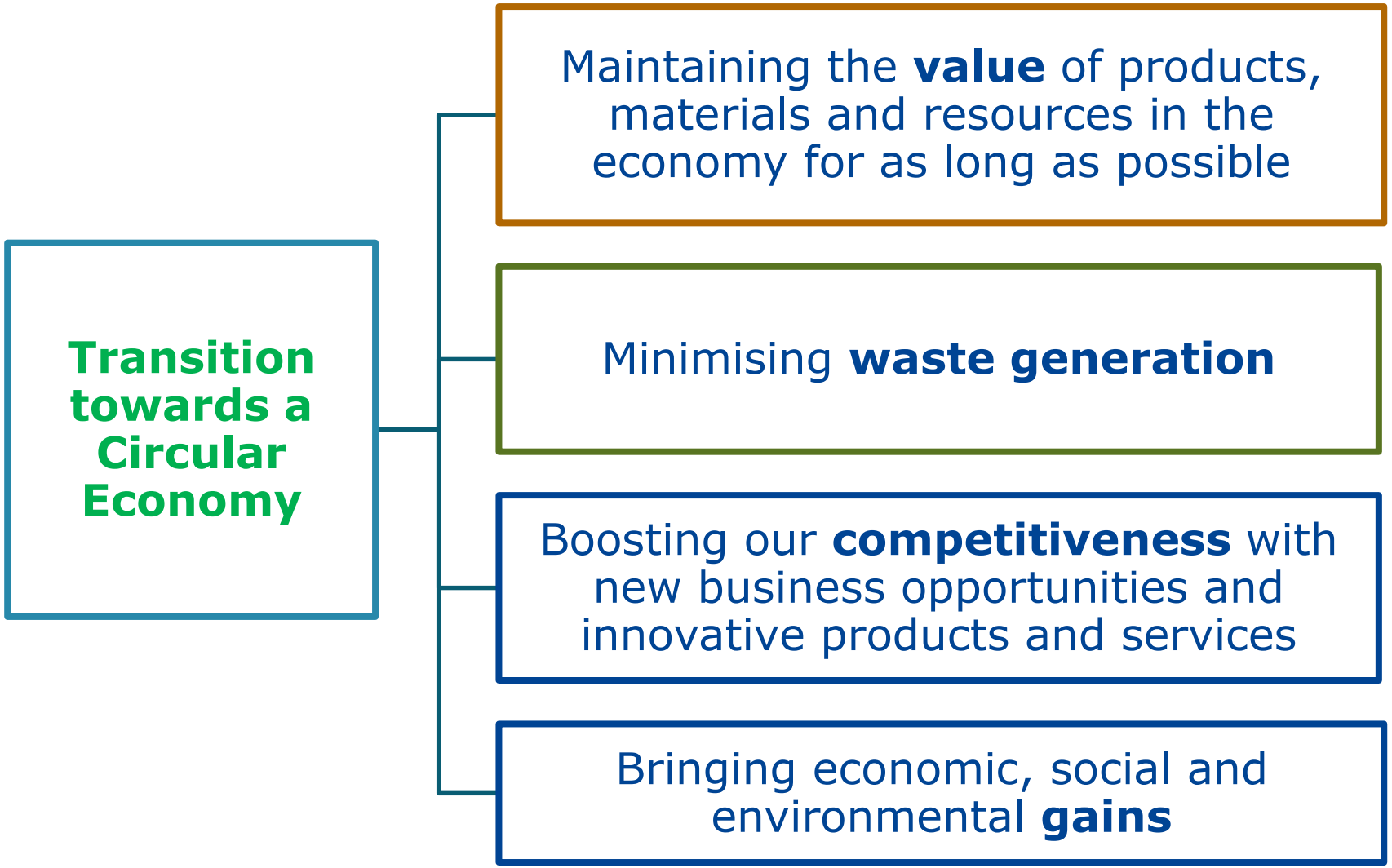
Closing the loop – An EU Action Plan for the Circular Economy

LIFE16 Kick-off meeting
ENV Resource Efficiency /Waste 2
Bruxelles, 17 October 2017

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European Commission
DG Environment

Circular Economy: a priority




Transition towards a Circular Economy
Maintaining the **value** of products, materials and resources in the economy for as long as possible
Minimising **waste generation**
Boosting our **competitiveness** with new business opportunities and innovative products and services
Bringing economic, social and environmental **gains**

Circular Economy Package

2 December 2015



Action Plan Communication



List of Initiatives



4 Legislative proposals on Waste

Circular Economy: an international dimension

EU's international commitments

2030 Sustainable Agenda, adopted by the United Nations in Sept 2015

COP21, historic agreement on 2°C global warming limit in Dec 2015

G7 Alliance for Resource Efficiency, building more sustainable supply chains and
global markets for secondary raw materials

Circular Economy Missions to Partner Countries

- increase **cooperation between EU and partner countries** in the field of **environmental policy**
- better understanding of the **environmental challenges faced by partner countries**
- promote green solutions through **business partnerships** abroad (matchmaking events between European and local entrepreneurs, exchange of views with targeted audiences)

- **2016 (Chile, China)**
- **2017 (South Africa, Colombia – NOW!)**

4 Key areas of action



5 Priority sectors



Innovation & Investment

Ecodesign Working Plan 2016-2019

BREFs - industrial sectors



Helping consumers and public authorities choose sustainable products and services

EU Ecolabel
www.ecolabel.eu
25 YEARS

Legislative proposals on waste



Revised fertilisers regulation

Promotion of water reuse

Revised legislative proposals on waste

65% target recycling **municipal waste** by 2030

10% target to reduce **landfill** of municipal waste by 2030

75% target recycling **packaging waste** by 2030



- **One calculation method**
- **Prevention**
- **Simplification**

Food Waste

EU Platform on Food Losses and Food Waste

Biomass-Biobased Products

Contribution EU Bioeconomy Strategy to the circular economy

Critical Raw Materials

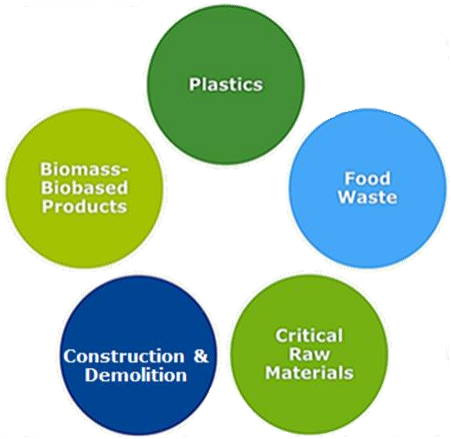
Report on critical raw materials and the circular economy

Construction & Demolition

Pre-demolition audits

Recycling protocol CDW

Level(s)- sustainable buildings



CIRCULAR ECONOMY
Closing the loop

2017- What's next?

Plastics Strategy

Interface product-chemical-waste legislation

Monitoring Framework

Legislative proposal to promote water reuse

European Circular Economy Stakeholder Platform

Plastics



* **Valuable resources** are used to make plastics, with high GHG impacts



* **Reuse** ⇔ single-use items, packaging
* Too **valuable** to be burnt or landfilled
* Less than **30% plastic waste** recycled



* More plastic than fish in **oceans** by 2050
* **Microplastics**

Plastics Strategy

Actions

to encourage the use of recycled plastic

Better design

of plastics for less toxicity, more durability and easier recycling



Stronger incentives

to collect, sort and recycle all plastics

More information

to raise awareness and encourage responsible behaviour

Interface Product-Chemical and Waste Legislations

Increase **safety**, facilitate **recycling** and improve the **trust** in secondary raw materials

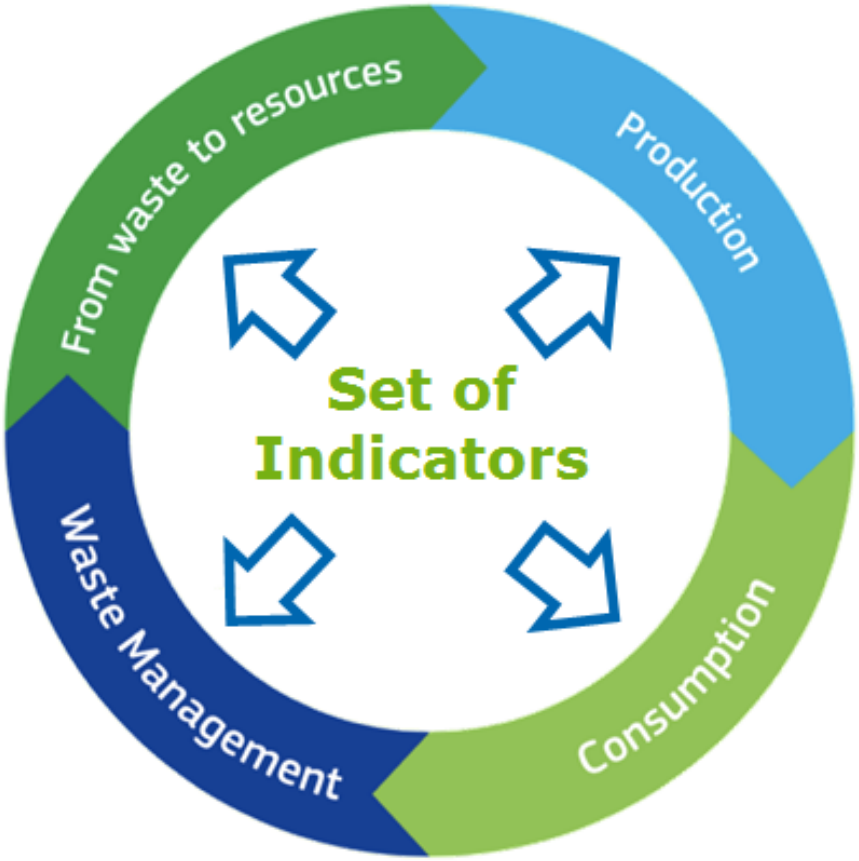


4 obstacles

- **Insufficient information** about substances of concern
- **Presence** of substances of concern in recycled materials
- **Uncertainties** about how materials can cease to be waste
- **Difficulties** in applying EU waste classification

Monitoring Framework

Assess the progress towards CE in the EU and its MSs



Applicable to materials, products and services

EEA, Eurostat and MSs

EU-wide minimum requirements for water reuse for irrigation and aquifer recharge



*Encourage efficient, safe and cost-effective water re-use



*Increase the recycling of nutrients contained in waste water in agriculture



*Contribute to growth and jobs creation by stimulating innovative technologies and water infrastructure

European Circular Economy Stakeholder Platform

Network of networks- Open Platform

Next steps:

I. Policy dialogue gathering stakeholders' input and views.

II. Coordination Group for circular economy-related networks-call for expressions of interest- **192 applications**

III. Website



Research & Innovation Funding for Circular Economy: Horizon 2020

"Industry 2020 in the Circular Economy"
Work programme 2016-2017: €650 million

Horizon 2020 Work Programme 2018-2020:
Focus area "Connecting economic and environmental gains - the Circular Economy"

- circular economy
- raw materials
- waste management



Waste valorisation



Servicizing



Designing products & processes



European Commission

Learn more about the Circular Economy

http://ec.europa.eu/environment/circular-economy/index_en.htm