



Towards a Circular Economy for Plastics

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The workhorse material of our current economy entails urgent environmental, social and economic drawbacks



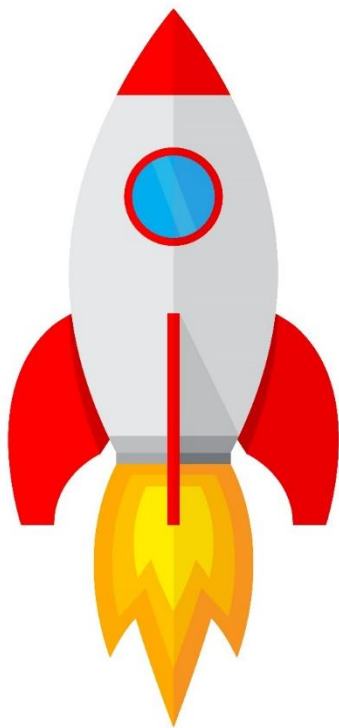
In December 2015 the Circular Economy Package was adopted - Plastics as a priority area



Consists of **EU Action Plan for the Circular Economy** with actions covering the entire cycle, including:

- **Revision of legislative proposals on waste**
- **EU Strategy for Plastics in the Circular Economy**

The EU Plastics Strategy identified four key areas for action



- 1 Improving the economics and quality of plastics recycling**
- 2 Curbing plastic waste and littering**
- 3 Driving innovation and investment towards circular solutions**
- 4 Harnessing global action**

Improving the economics and quality of plastics recycling – it starts with design

By 2030, all plastic packaging placed on the EU market is either reusable or can be recycled in a cost-effective manner.

**BETTER PRODUCT DESIGN
MAKES PLASTICS RECYCLING EASIER**



**Saving 77-120 EUR
for each tonne
of plastic waste
collected**

Driving innovation and investment towards circular solutions – innovation as a key enabler



- **Innovation across the value chain**
- **Horizon 2020:** already **EUR 250 million** spent in areas of direct relevance to the strategy, and additional **EUR 100 million** devoted
- **Private and public investment** must significantly increase (e.g. EFSI)

Support for the EU Plastics Strategy within Horizon 2020

- 1 CE-NMBP-26-2018: **Smart plastic materials with intrinsic recycling properties by design (RIA)**
- 2 CE-SPIRE-10-2018: **Efficient recycling processes for plastic containing materials (IA)**
- 3 CE-SC5-01-2018: **Methods to remove hazardous substances and contaminants from secondary raw materials (RIA)**
- 4 SC1-HCO-13-2018: **Setting the priorities for a European environment, climate and health research agenda (CSA)**
- 5 CE-SFS-25-2018: **Integrated system innovation in valorising urban biowaste (IA)**
- 6 CE-BG-06-2019: **Sustainable solutions for bio-based plastics on land and sea (IA)**
- 7 CE-BIOTEC-05-2019: **Microorganism communities for plastics bio-degradation (RIA)**
- 8 BG-07-2019: **The Future of the Oceans Flagship Initiative: sub-topic on technologies for observations, including of micro and nano-plastics (IA)**



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About Horizon 2020

<http://ec.europa.eu/research/horizon2020/>

