EU Action Plan for a circular economy
H2020 Examples

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Content

- **EASME**
- Policy Drivers – Waste Legislative proposals
- Policy Implementation – H2020
- Examples of Waste Innovation Actions
EASME
Executive Agency for Small and Medium-sized Enterprises

The EASME manages programmes on behalf of the European Commission, turning EU policies into action.

First Track to Innovation (FTI)
COSME the EU programme for the Competitiveness of SMEs
Horizon 2020 innovation in SMEs actors
€7 M
Horizon 2020 SME Instrument
@H2020SME
EU Sustainable Energy Week (EUSEW)
@euseweek
Horizon 2020 Energy Efficiency
@H2020EE
Intelligent Energy Europe (IEE)
The European Maritime and Fisheries Fund (EMFF)
LIFE the EU Programme for the Environment and Climate Action
@LIFE_Programme
Sustainable Industry Low Carbon II (SILC II)
Horizon 2020 Climate action, resource efficiency and raw materials
@EU_ecoinno
€ 2.7 bn
Executive Agency for SMEs
http://ec.europa.eu/easme
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- EASME
- Policy Drivers – Waste Legislative Proposals
- Policy Implementation
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- Forward Looking
From a Linear Economy...

- **lost value** of materials and products
- **scarcity** of resources and **unstable supply** of raw materials
- **volatile** prices of resources
- **waste** generation
- **environmental degradation & climate change**
...to a Circular Economy to

- maintain the **value** of products, materials and resources in the economy for as long as possible
- alleviate security of **supply** risks to European Industries
- boost the **economy** by up to +7% GDP
- Increase **competitiveness**, creating new business **opportunities**, and introducing **innovative** products and services
- create **jobs** in the EU
- reduce **waste** generation, **GHG emissions** and other environmental impacts
Concrete actions – some examples

- Review of EU waste legislation (align actors' interests in the value chain)
- **Promote eco-design** to include reparability, durability, recyclability
- Independent test program on **planned obsolescence**
- Spread best practices on waste management and resource efficiency in industry and local authorities
- Further promote **Green Public Procurement**
- Develop quality standards for **secondary raw materials**
- Review of EU **fertilisers legislation** incl. to promote organic fertilisers
- Strategy on links between **chemicals, products and waste legislation**
- Minimum requirements for the **reuse of wastewater**
- Make use of available **EU funding**
Priority sectors

- Biomass & Bio-based Products
- Plastics
- Construction & Demolition
- Food Waste
- Critical Raw Materials
Why is action needed?

- low levels of recycling
- high levels of landfilling
- incineration of recyclable waste
- loss of valuable materials
- negative impacts on land, water and climate
- no long-term targets
Other key provisions

- MS to put in place economic instruments to promote waste hierarchy + general requirements for EPR
- By-products and end-of-waste status (conditions unchanged; more active role for MS to apply them)
- Possible exemption from registration requirement for companies collecting/transporting non-hazardous waste
- Reinforced waste prevention measures (e.g. on food waste + industrial, mining and construction, setting waste prevention targets at national level, etc.)
- MS to ensure separate collection of bio-waste
- MS to promote sorting systems for C&D waste
- Simplification of reporting and ensuring better data
- MS to set electronic registries on hazardous waste data
Conclusion & Potential gains

• Resource efficiency – Industries spend 40% costs on raw materials, to be compared to a share of 20% for labour costs.
• Resource productivity increase 30% by 2030.
• Boost EU GDP by up to 3.9% by creating new markets and new products and creating value for business.
• Net savings of €600 billion, or 8% of annual turnover for businesses in the EU,
• Reduction of greenhouse gas emissions by 2-4%/year
• Eco-industries and eco-innovation employment increase. Green technologies as competitive advantage.
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Innovation & Investment

Innovation
• Horizon 2020 initiative launched on ‘Industry 2020 in the Circular Economy’ (EUR 650 million)
• LIFE

Regional Policy
• European Structural and Investment Funds

Investment
• EFSI
  • new platform for financing Circular Economy with European Investment Bank and national promotional banks

Overcoming barriers
• pilot ‘innovation deals’ to address potential regulatory obstacles for innovators
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RESYNTEX
A new circular economy concept: from textile waste towards chemical and textile industries feedstock
Coordinator: SOEX Group GmbH, Germany
EC contribution: 9,1 Meuro
www.resyntex.eu
BAMB
Buildings as Material Banks: Integrating Materials Passports with Reversible Building Design to Optimise Circular Industrial Value Chains
Coordinator: IBGE, BE
EC contribution: 8,9 Meur
www.bamb2020.eu/
CABRIS
Implementation of a CirculAr economy Based on Recycled, reused and recovered Indium, Silicon and Silver materials for photovoltaic and other applications
Coordinator: CEA, FR
EC contribution: 7,8 Meuro
www.spire2030.eu/cabriss/
DECISIVE
A DECentralIzed management Scheme for Innovative Valorization of urban biowaste
Coordinator: IRSTEA, FR
EC contribution: 7,6 Meur

Source: http://www.r-urban-wick.net/
URBANREC
New approaches for the valorisation of URBAN bulky waste into high added value RECyCled products
Coordinator: AIMPLAS, Spain
EC contribution: 8,4 Meur
WASTE4THINK
Moving towards Life Cycle Thinking by integrating Advanced Waste Management Systems
Coordinator: Fundación Deusto, Spain
EC contribution: 8,8 Meur
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FUNDING PRIORITIES FOR 2016 AND 2017

Climate services & decarbonisation
€ 85 m

The Arctic dimension & earth observation
€ 76 m

Nature-based solutions
€ 128 m

Circular economy
€ 155 m

Raw materials
€ 139 m

Cultural heritage for sustainable growth
€ 25 m

Figures include contributions to the following focus areas: Industry 2020 in the Circular Economy, Smart and Sustainable Cities, and Blue Growth call.

More info on Horizon 2020:
ec.europa.eu/programmes/horizon2020
THANK YOU FOR YOUR ATTENTION

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