Circular economy - the EU approach

INSG Joint Study Groups' seminar
The importance of base metals to the circular economy
8 May 2019, Lisbon

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Global material extraction trends

Source: UNEP (2017) and Dodds-Hatfield et al. (2017), in 2018 Raw Materials Scoreboard
Closing the Loop of the Circular Economy Action Plan 2015-2019

Recovery of critical raw materials from mining waste and landfills

Circular Economy Monitoring Framework
End-of-life recycling input rates (EOL-RR) in the EU-28

End-of-life recycling and input rates in EU 28

The current EOL-RR in comparison to EOL-RR for a range of materials

European Commission, EIP on Raw Materials, Raw Materials Scoreboard 2018
Critical metals and their carriers

Raw Materials Initiative
Circular Economy

Source: Hagelüken and Meskers, 2010 (21)

Circular economy, recycling, good practice example NFM sector

Raw Materials Initiative
Circular Economy

European Circular Economy Stakeholder Platform
Good practice example: Cooperation between Aurubis and Grillo-Werke yielding a perfect closed loop for copper and zinc
Key messages

Pressure on resources will increase

Circular economy/closed loop and climate-neutral economy are part of the systemic change ahead

The recycling input rates of key raw materials need to improve for sustainable production
Raw Materials Week 2019

18-22 November 2019 in Brussels, Belgium
eurawmaterialsweek.eu

- 7th annual High Level Conference of EIP on raw materials “
- Critical Raw Materials and EU-US-JP Trilateral meeting
- The EU Raw Materials Knowledge Base including UNFC for Resources Management in Europe
- Innovation and skills
- Responsible sourcing and supply of raw materials
- Forests for the future

Thank you!

Circular Economy

EIP on Raw Materials:

Critical raw materials for the EU:

Raw Materials Information System:
http://rmis.jrc.ec.europa.eu/

EU Raw materials, metals, minerals and forest-based industries:

Horizon 2020 - raw materials and calls: