EU Raw Materials Strategy

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Overview

**EU Raw Materials Strategy, resource efficiency and recycling**

- For a European Industrial Renaissance
- European Raw Materials Initiative
- European Innovation Partnership on Raw Materials
- Horizon 2020
- Circular Economy Package
For a European Industrial Renaissance

- **Goal:** industry's share of GDP to be 20%
- **Key priorities:**
  - A more business friendly framework;
  - Financial resources to make the industrial renaissance happen;
  - *Easier access to critical production inputs (finance, raw materials, energy)*;
  - Maximise the potential of the Internal Market;
Integrated strategy (3 pillars)

1. Fair and sustainable supply of raw materials from global markets

2. Fostering sustainable supply of primary raw materials within the EU

3. Boosting resource efficiency and promoting recycling:
   - Support research and pilot actions;
   - Carry out an ex-post evaluation of the EU waste acquis;
   - Analyse the feasibility of developing eco-design instruments to foster more efficient use of raw materials (Eco-design Directive);
   - Develop new initiatives to improve the competitiveness of EU recycling industries;
   - Promote a level-playing field for recycling by enforcing the Environmentally Sound Management principle of the Waste Shipment Regulation;
• **Stakeholder platform**: industry, public services, academia and NGOs

• **New approach to EU research and innovation**: streamlining efforts and accelerating market take-up of innovations

• **Strategic Implementation Plan**: focus on technology, non-technology and international aspects
Strategic Implementation Plan

I. Technology Pillar
   I.A Raw materials research and innovation coordination
   I.B Technologies for primary and secondary raw materials' production
   I.C Substitution of raw materials

II. Non-Technology Policy Pillar
   II.A Improving Europe's raw materials framework conditions
   II.B Improving Europe's waste management framework conditions and excellence
   II.C Knowledge, skills and raw materials flows

III. International Cooperation Pillar
   III.1 Technology
   III.2 Global Raw Materials Governance and Dialogues
   III.3 Health, Safety and Environment
   III.4 Skills, Education and Knowledge
   III.5 Investment activities
Improving Europe's waste management framework conditions and excellence

- Product design for optimised use of (critical) raw materials and increased quality of recycling
  => Actions:
  - **Eco-design Directive**: increase the emphasis on raw materials and materials efficiency
  - EU-wide research on product life extension strategies and development of sustainable circular business models
  - Increase the knowledge on the presence of **Critical Raw Materials** (CRM) in complex products (incl. environmental product declaration)

- Optimised waste flows for increased recycling
  => Actions:
  - Qualitative targets
  - **Landfill ban** for recyclable waste and **incineration ban** for certain waste
  - Waste collection systems and **Extended Producer Responsibility** (EPR) Schemes
  - Innovative approaches and infrastructures for **reuse and recovery of end-of-life consumer products** (i.e. innovative business models)
Planning 2014-2015

- **Raw Materials Commitments**

- "**Gap analysis**": mapping of efforts and initiatives with regard to the actions in the SIP's Strategic Implementation Plan

- **Raw Materials Scoreboard**: macro-indicators on the challenges related to raw materials
Societal Challenge 5: 'Climate action, environment, resource efficiency and raw materials'

Waste: A Resource to Recycle, Reuse and Recover Raw Materials
- **WASTE-4-2014/2015**: Towards near-zero waste at European and global level
- **WASTE-6-2015**: Promoting eco-innovative waste management and prevention as part of sustainable urban development

Growing a Low Carbon, Resource Efficient Economy with a Sustainable Supply of Raw Materials
- **SC5-11-2014/2015**: New solutions for sustainable production of raw materials
- **SC5-12-2014/2015**: Innovative and sustainable solutions leading to substitution of raw materials
- **SC5-13-2014/2015**: Coordinating and supporting raw materials research and innovation
- **SC5-20-2014/2015**: Boosting the potential of small businesses for eco-innovation and a sustainable supply of raw materials
• **Chapeau Communication:** 'Towards a circular economy: a zero waste programme for Europe'

• **Enabling policy framework:**
  • Innovation throughout the value chain
  • Unlocking investment
  • Harness action by business and consumers and supporting SMEs

• **Discussion resource efficiency target**

• **Proposal to review waste targets**
Waste target review

- **Legislative proposal** to review recycling and other waste-related targets in the EU Waste Framework Directive, the Landfill and the Packaging and Packaging Waste

- **Key elements of the proposal:**
  - Municipal waste: to be increased to 70 % by 2030
  - Packaging waste: to be increased to 80 % by 2030
  - Phasing out of landfilling by 2025 for recyclable waste (including plastics, paper, metals, glass and bio-waste)
  - Measures aimed at reducing food waste generation by 30 % by 2025
  - Promoting the dissemination of best practices in all Member States
  - Simplifying reporting obligations and alleviating burdens faced by SMEs
Links

- **European Innovation Partnership on Raw Materials:**

- **Horizon 2020 home page:**

- **Horizon 2020 revised 2014-2015 Work Programme for Societal Challenge 5:**

- **Circular Economy Package:**
  http://ec.europa.eu/environment/circular-economy/
Questions?

Thank you for your attention!