Policy framework for metals recycling in the EU

International Metals Recycling Seminar
Lisbon, 15 October 2014

Lie Heymans
European Commission
Directorate-General Enterprise and Industry
Unit F3 « Raw Materials, Metals, Minerals, and Forest-based industries »

Outline

Policy framework for metals recycling in the EU

- Europe 2020 Strategy
- European Raw Materials Initiative
- European Innovation Partnership on Raw Materials
- Horizon 2020
- Circular Economy Package
Europe 2020 Strategy

- Creating the conditions for a smart, sustainable and inclusive growth

- **Sustainable Growth** => "waste as a resource"
  - Industrial policy Flagship Initiative > Raw Materials Initiative
  - Resource efficiency Flagship Initiative > Circular Economy Package

---

**EU Raw Materials Initiative**

**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;
European Innovation Partnership on Raw Materials (1)

- **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

European Innovation Partnership on Raw Materials (2)

**Strategic Implementation Plan**

I. **Technology Pillar**
   1. A Raw materials research and innovation coordination
   2. B Technologies for primary and secondary raw materials’ production
   3. C Substitution of raw materials

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

III. **International Cooperation Pillar**
   3.1 Technology
   3.2 Global Raw Materials Governance and Dialogues
   3.3 Health, Safety and Environment
   3.4 Skills, Education and Knowledge
   3.5 Investment activities
**European Innovation Partnership on Raw Materials (3)**

**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)

---

**European Innovation Partnership on Raw Materials (4)**

**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
Horizon 2020

- Three programme sections:
  1. Excellent science (€ 24 billion)
  2. Industrial leadership (€ 17 billion)
  3. Societal challenges (€ 31 billion)

- Societal Challenge 5: Climate action, resource efficiency and raw materials (€ 3.081 billion)

Horizon 2020

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
  - SC5-12-2014/2015: 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
Circular Economy Package (1)

- **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**

Circular Economy Package (2)

**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:
  main/h2020-wp1415-climate_en.pdf

• Circular Economy Package:
  http://ec.europa.eu/environment/circular-economy/

Questions?

Thank you for your attention!