

The European Raw Materials Initiative

Why innovation is key



NEREUS Workshop
**"Space – an enabling tool and facilitator for
existing European Innovation Partnerships"**
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1. EU Raw Materials Initiative

2. European Innovation Partnership on Raw Materials

3. Horizon 2020

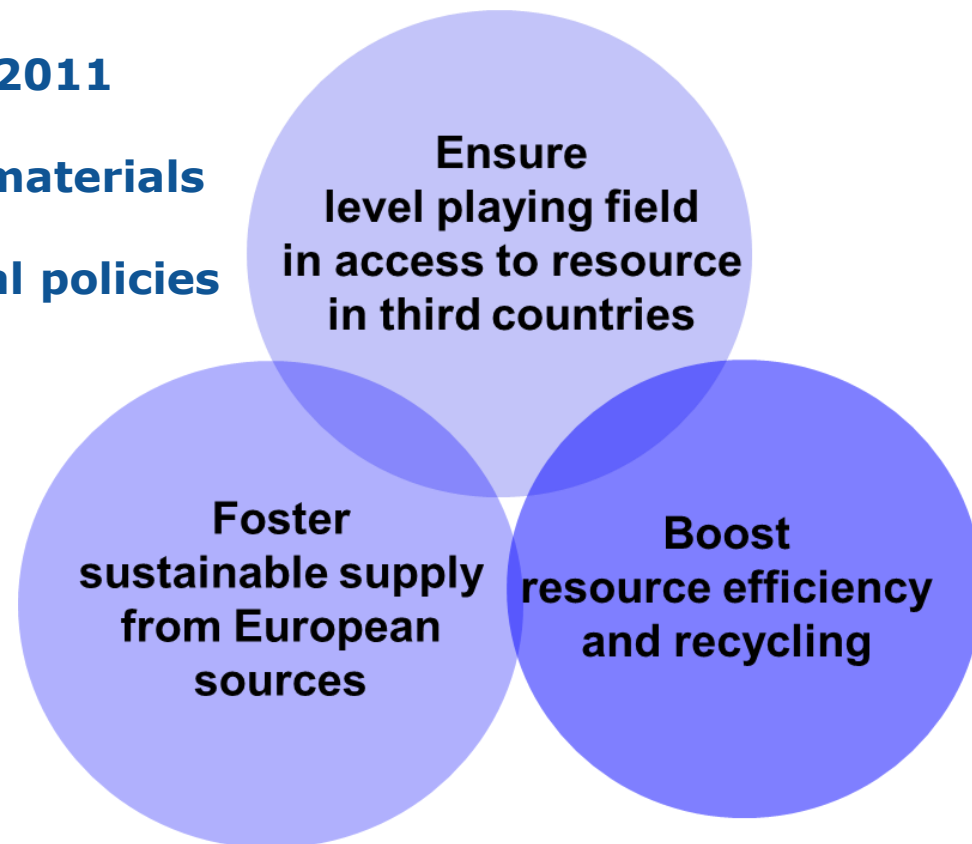


European
Commission

1. Raw Materials Initiative

EU “Raw Materials Initiative”

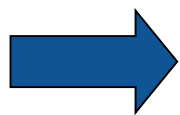
- **Aim:** securing sustainable supplies of raw materials
- **Launched in 2008, consolidated in 2011**
- **Non-energy, non-agricultural raw materials**
- **Connecting EU external and internal policies**
- **Integrated strategy (3 pillars)**
- **Introduced list of Critical Raw Materials (CRM) in 2010**



2. European Innovation Partnership on Raw Materials



- **Speed up breakthrough innovations**
 - by pooling resources through a challenge-driven approach
 - and acting across research and innovation cycle
 - bringing together all relevant actors to connect supply and demand side for a societal challenge, covering much more than R&D
- **Innovation required for the entire value chain of raw materials – industrial approach**
 - Exploration, exploitation, processing, using, recycling, substitution, etc.
 - **Sectors:** mining, engineering, pulp and paper, product design, robotics, etc.



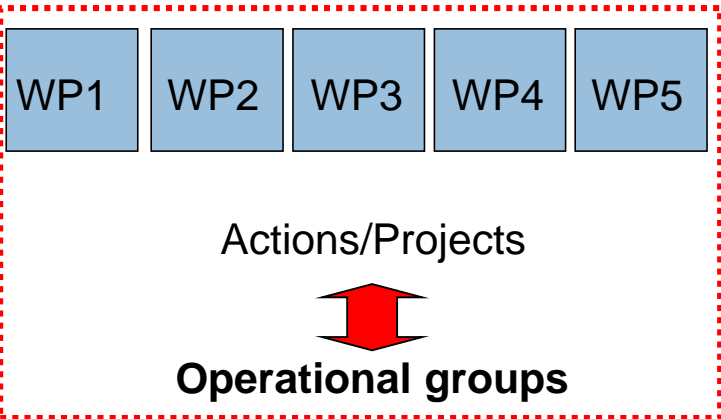
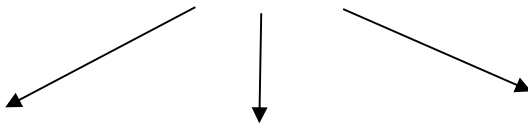
Commission adopted the **proposal for an Innovation Partnership on raw materials** on **29 February 2012**
COM(2012) 82 final



Note: The EIP is not a funding instrument.

High Level Steering Group

+ Sherpa group



Orientation level

Planning / Monitoring

Advice / Implementation

- Overall objective:

Contribute to the 2020 objectives of the EU Industrial Policy (to increase the share of industry in GDP to 20%), the Innovation Union and the Resource Efficiency 'flagships'



- Specific objectives:

- Reduce import dependency
- Improve supply conditions from European and other sources
- Push Europe to the forefront in raw materials sectors
- Provide alternatives in supply
- Mitigate negative environmental and social impacts



•I. Technology Pillar

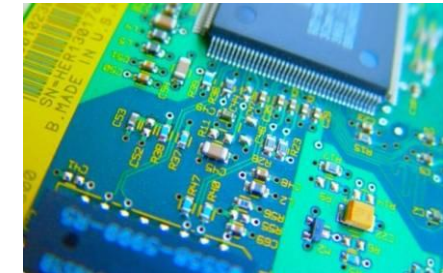
- I.A Raw materials research and innovation coordination
- I.B Technologies for primary and secondary raw materials' production
- I.C Substitution of raw materials

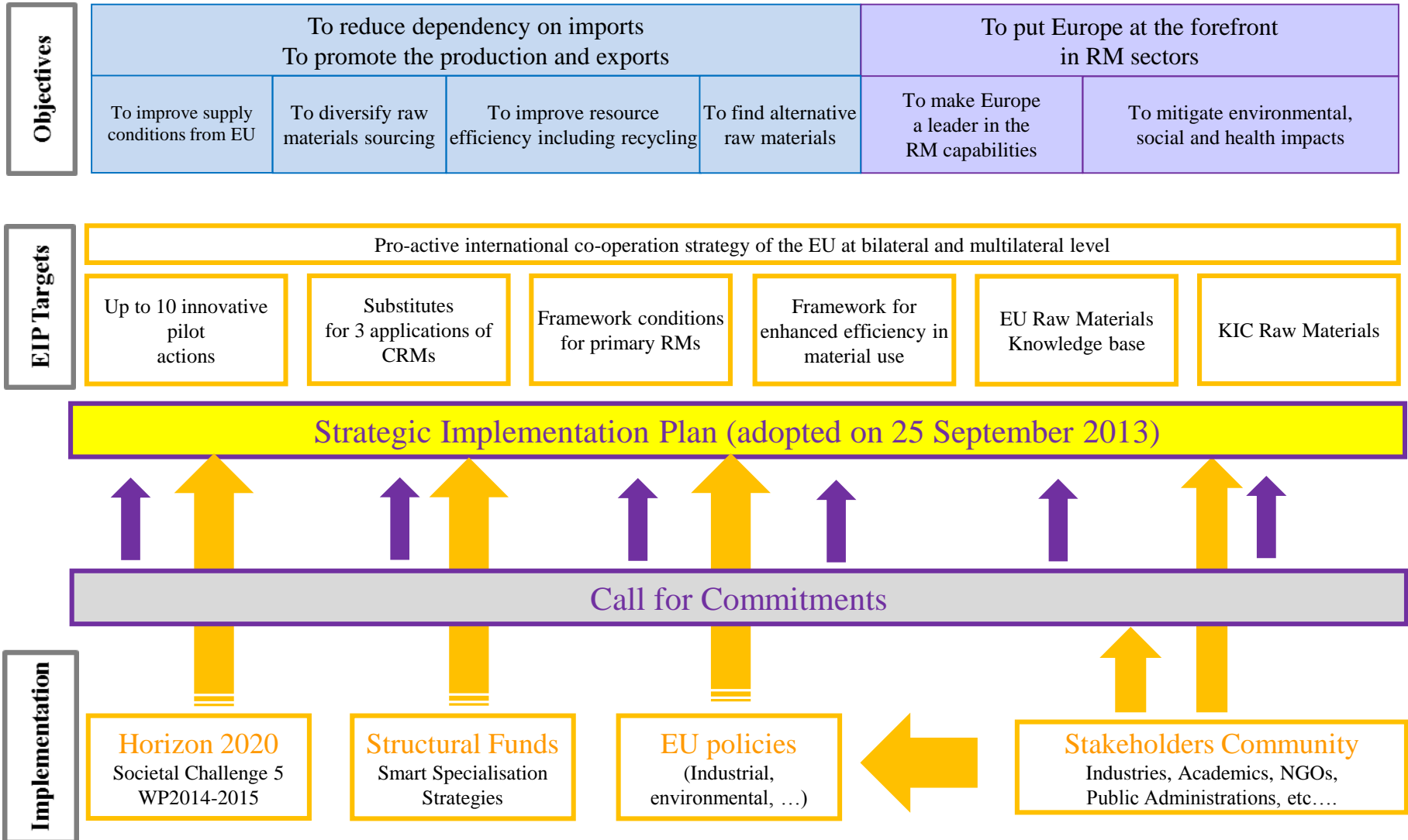
•II. Non-Technology Policy Pillar

- 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







- Guidelines agreed by Sherpas
- Call closed on 7 February 2014
- 90 commitment proposals received
 - **80 "Raw Materials Commitments"**
 - approx. **800 partners**
 - relative deficit of **partners** from EU-13 group
 - Higher number of **technology** commitments
 - Higher number of technology commitments for **primary production** than secondary
 - **Scope** of raw materials covered representative (i.e. metals, industrial, forest-based materials)
- Next calls in 2015, 2017 and 2019



Sept./Oct. 2014 – Sherpa Group

- Discuss evolution of the EIP

2nd half of 2014

- Start monitoring implementation of EIP SIP
- European Commission to adopt a Communication on Strategic Implementation Plan

Nov./Dec. 2014 - Annual Conference of the EIP on Raw Materials

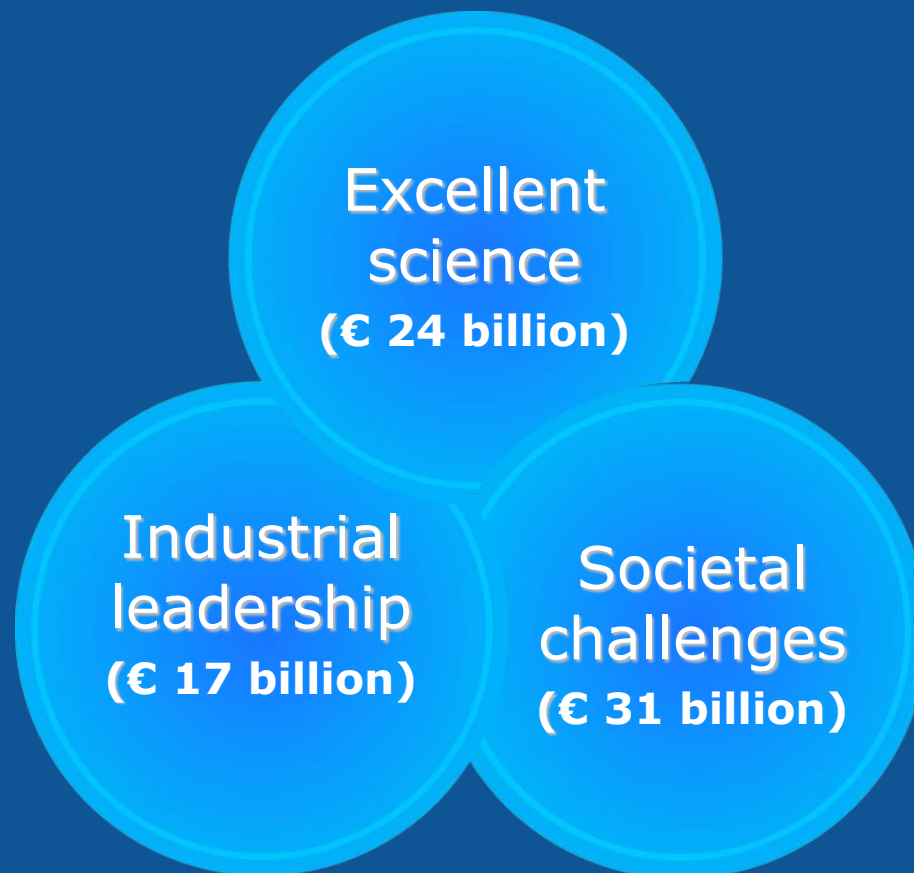
- Horizon 2020 deadline for first Call for Proposals

3. Raw Materials in Horizon 2020

Horizon 2020

Context and overview

3. Raw Materials in Horizon 2020



* the numbers are based on European Council conclusions, 8 February 2013 and are subject to the approval of the Multiannual Financial Framework Regulation by the European Parliament and the Council

Horizon 2020:

Societal Challenge 5 - Climate action, environment, resource efficiency and **raw materials**



- EU raw materials webpage:
http://ec.europa.eu/enterprise/non_energy_extractive_industries/raw_materials.htm
- European Innovation Partnership on Raw Materials:
<https://ec.europa.eu/eip/raw-materials/en>
- Horizon 2020:
<http://ec.europa.eu/research/horizon2020/>

THANK YOU!