

The KIC on Raw Materials: synergies and complementarities with other EU policy and funding instruments in the field of the Raw Material initiative

*EIT 2014 Call for KICs Proposals
Information Day
14 March 2014 – Budapest*

Gabriele MORGANTE
*European Commission, DG Enterprise and Industry
Unit F3 - « Raw Materials, Metals, Minerals, and
Forest-based industries »*





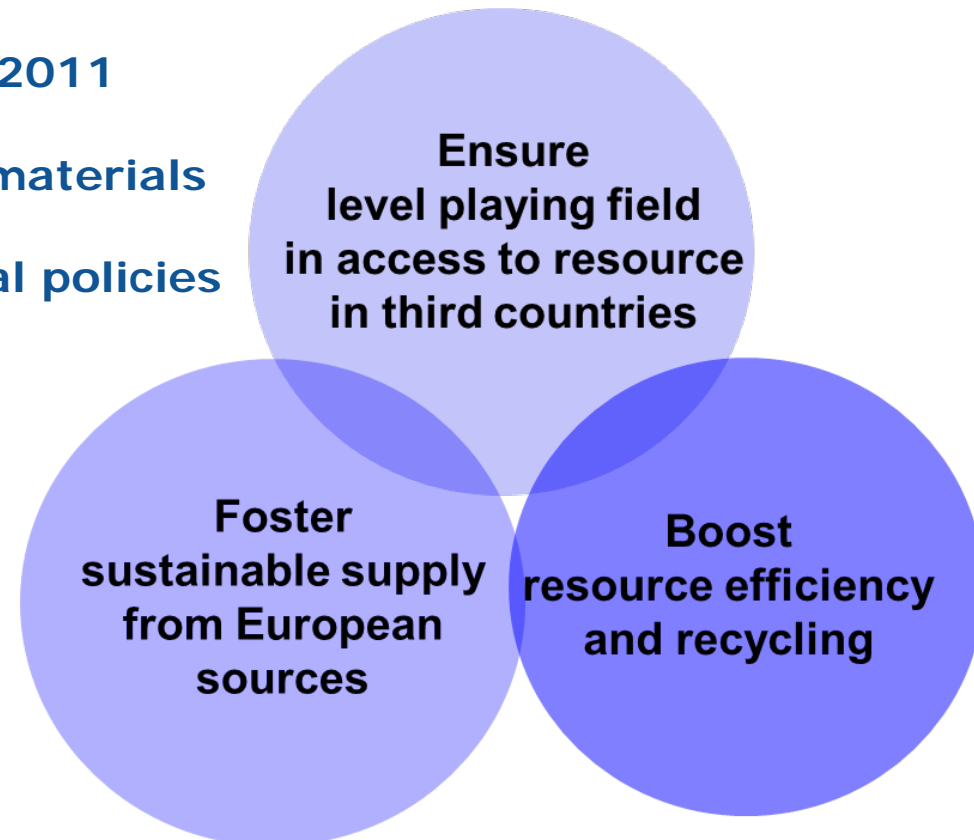
- 1. The Raw Materials Initiative + EIP**
- 2. Raw materials related funding instruments**
- 3. How KIC can contribute to the EU policy and initiatives?**

1. The Raw Materials Initiative



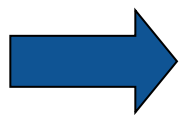
EU "Raw Materials Initiative"

- **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**





- **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

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



The Strategic Implementation Plan (SIP) of the European Innovation Partnership on Raw Materials was adopted by the High Level Steering Group of the EIP on 25 September 2013 in Brussels...

• I. Technology Pillar

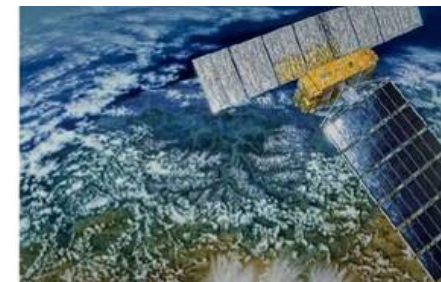
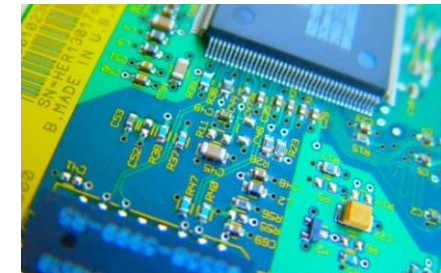
- I.A Raw materials research and innovation coordination
- I.B Technologies for primary and secondary raw materials' production
- I.C Substitution of raw materials

• 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**

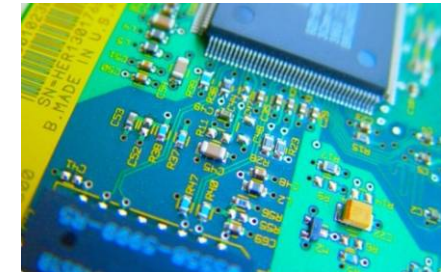
• III. International Cooperation Pillar

- 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



•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**
 - Action area n° II.8: EU Raw Materials Knowledge Base
 - **Action area n° II.9: Possible EIT Knowledge and Innovation Community**
 - Action area n° II.10: Optimised raw materials flows along value chains



2. Raw materials related funding instruments



Instruments for the implementation of the EIP SIP:

1. Structural funds

2. Horizon 2020

a) SC5

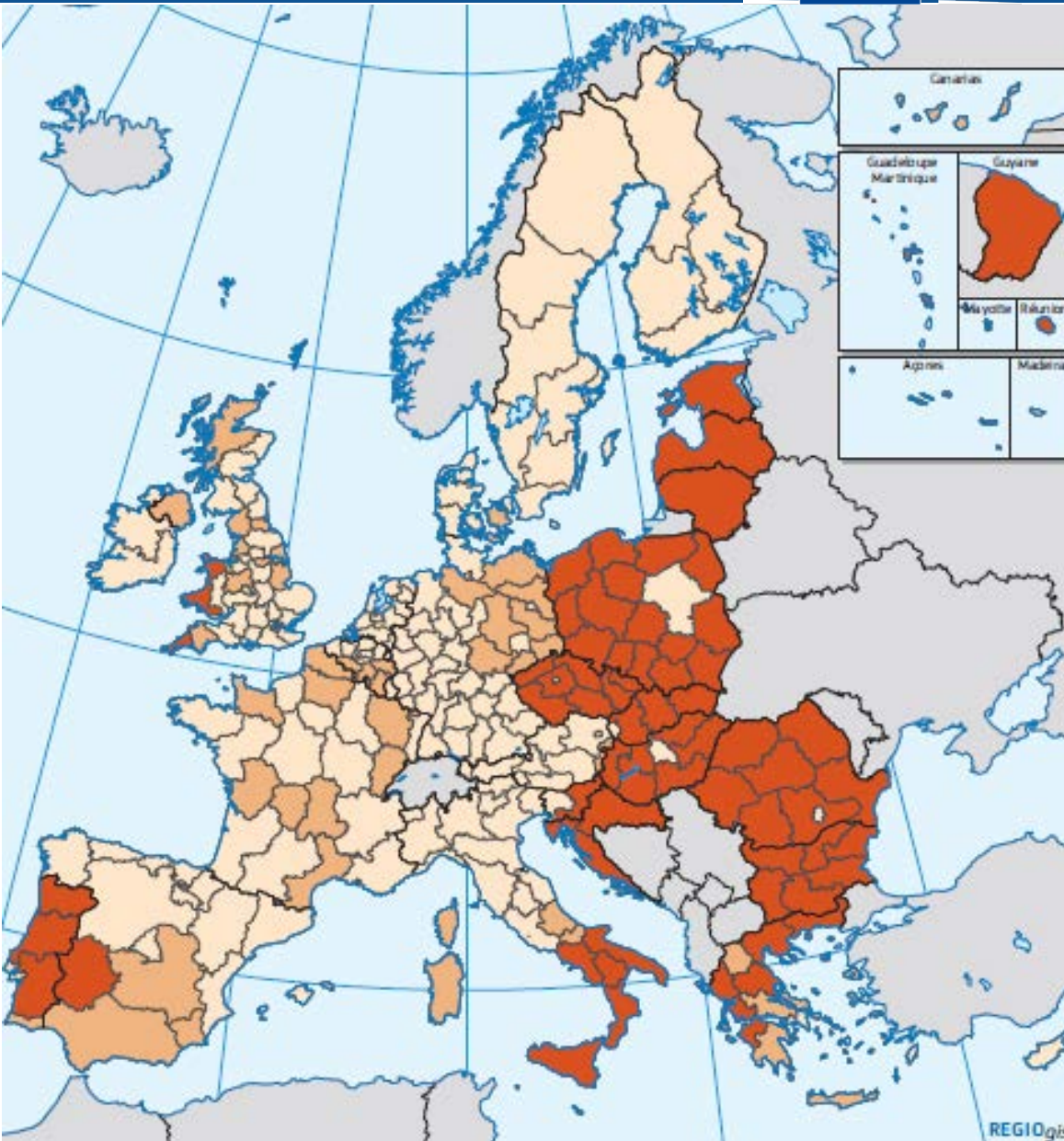
b) **KIC**

3. ...

1) Cohesion Policy 2014-2020



2. Raw materials related
funding instruments



**325 Billions €
to invest in
Europe's
regions, cities
and the real
economy**

**EU's principle
investment tool
for delivering
the Europe
2020 goals**

Raw Materials:
big scope for innovation
along the whole raw
materials value chain
(exploration, mining,
substitution, processing,
recycling)

ERDF regulation

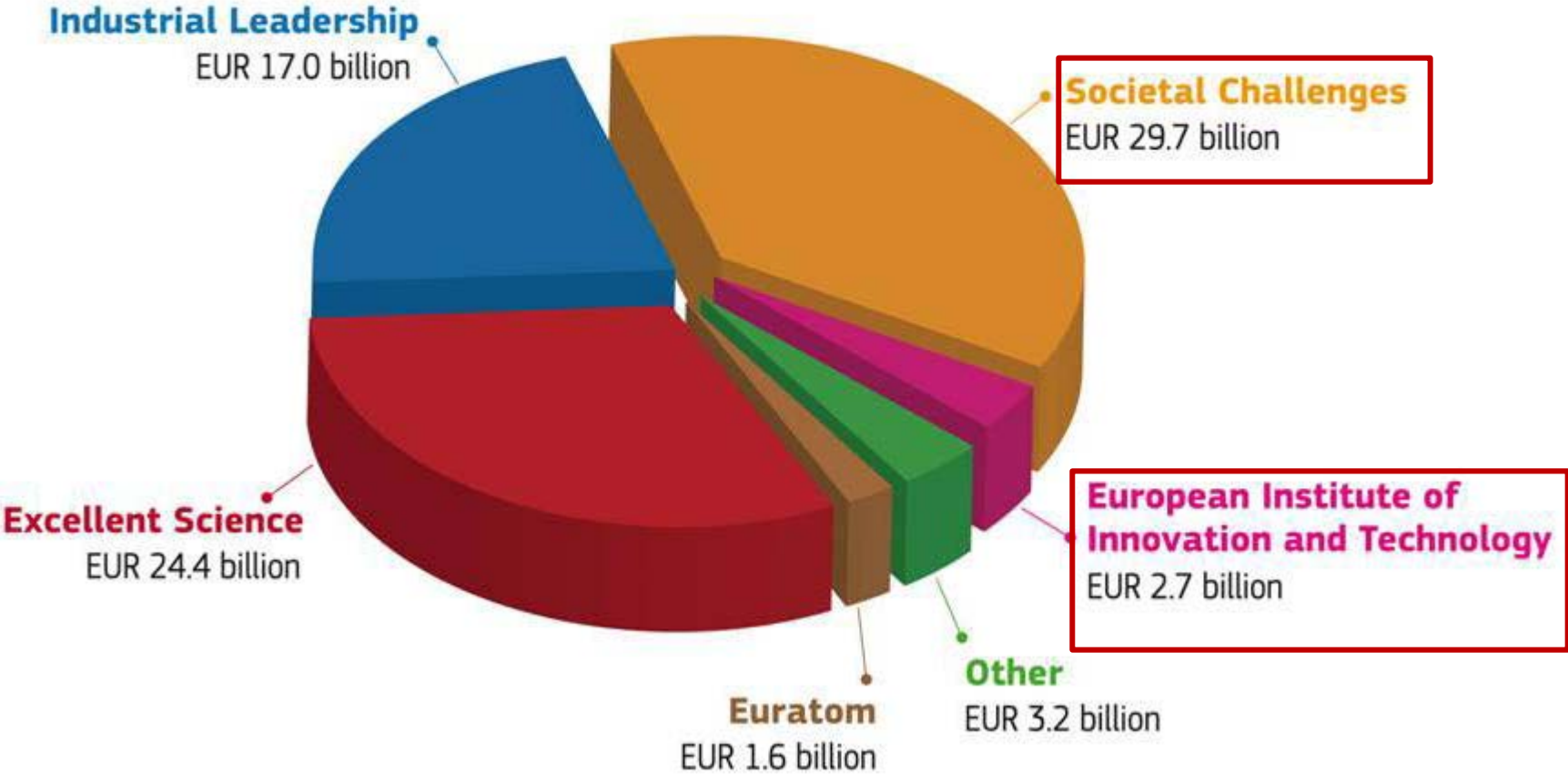
Regulation No 1301/2013 of the European
Parliament and of the Council of 17 December 2013

Thematic concentration of at
least 80% of resources (in
more developed regions) on
4 thematic objectives:

- (1) strengthening research, technological development and innovation**
- (2) enhancing access to, and use and quality of, ICT
- (3) enhancing the competitiveness of SMEs, of the agricultural sector and of the fishery and aquaculture sector
- (4) supporting the shift towards a low-carbon economy in all sectors**



HORIZON 2020 BUDGET (EUR 78.6 billion, current prices)





1. Health, demographic change and wellbeing	7 472
2. Food security, sustainable agriculture, marine and maritime research & the Bioeconomy	3 851
3. Secure, clean and efficient energy *	5 931
4. Smart, green and integrated transport	6 339
5. Climate action, resource efficiency and raw materials	3 081
6. Inclusive and reflective societies	1 309
7. Secure societies	1 695
<i>Science with and for society</i>	462
<i>Spreading excellence and widening participation</i>	816

* Additional funding for nuclear safety and security from the Euratom Treaty activities (2014-2018)

All funding figures (€ million, 2014-2020) in this presentation are subject to the pending Multiannual Financial Framework Regulation by the EP and the Council

EIP Scheme

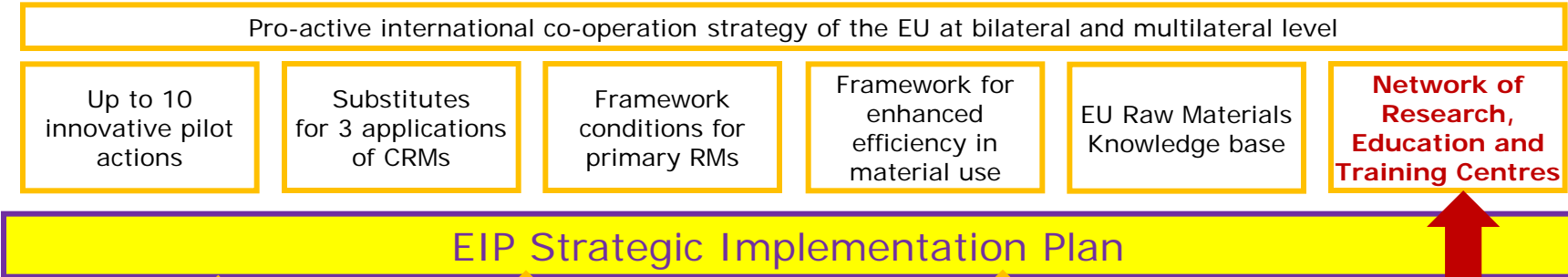
2. Raw materials related funding instruments



Objectives

To reduce dependency on imports To promote the production and exports				To put Europe at the forefront in RM sectors	
To improve supply conditions from EU	To diversify raw materials sourcing	To improve resource efficiency including recycling	To find alternative raw materials	To make Europe a leader in the RM capabilities	To mitigate environmental, social and health impacts

EIP Targets



Instruments





3. How KIC can contribute to the EU policy and initiatives?

- 1. Pan-European character**
- 2. Cover the entire value-chain**
- 3. Focus on non-energy and non-agriculture 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/>
 - first H2020 Call for Proposals - 11 Dec 2013
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/index.html>
 - Call for experts for H2020
(OJ of the EU, C 342, Volume 56, 22 November 2013)
<http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>
 - National NCP SC5 support and events
http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html



Thank you