

# Long term vision for the Raw materials?

**VERAM Stakeholder Workshop**  
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- **We need a really attractive long term vision**
- **We need the best experts to do that**
- **We need to mobilise all stakeholders who can help, while building on the existing community**

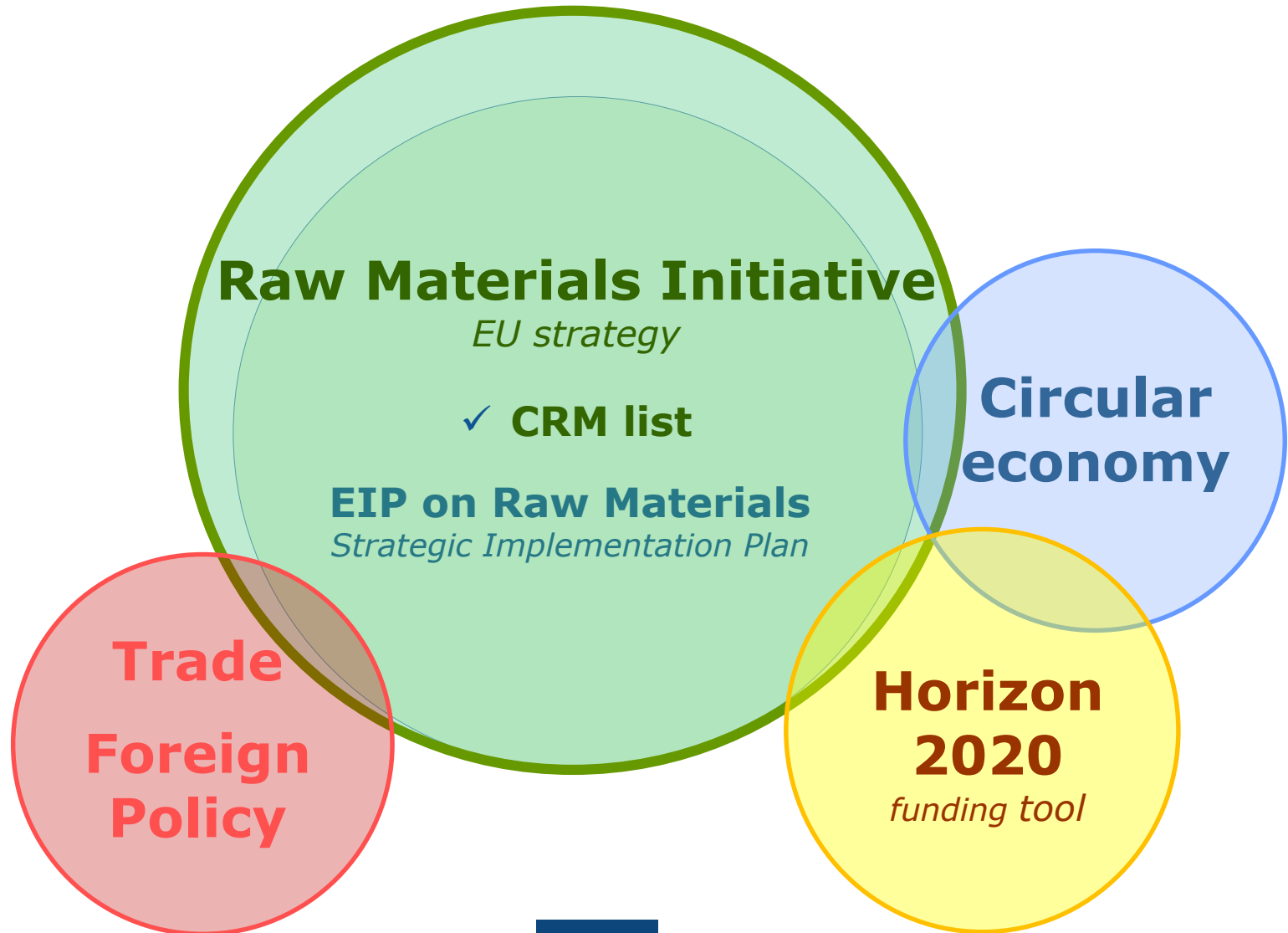
**Raw materials in the next MFF/FP9?**

- improving both research and innovation collaboration among all the relevant European Technology Platforms and other industrial and research initiatives - **ETPs, KIC, ERA-NETs, relevant H2020 projects...**
- improving coordination with the relevant EU, Member States and regional policies and initiatives in the area of raw materials – **RMI, EIP...**
- engaging all the relevant players, particularly civil society and authorities at regional and local level, across the whole EU.
- The action should develop a common **long term 2050 vision and roadmap** for the relevant raw materials, including metals, industrial minerals and aggregates, wood and natural rubber-based materials.

# EU Raw Materials Framework

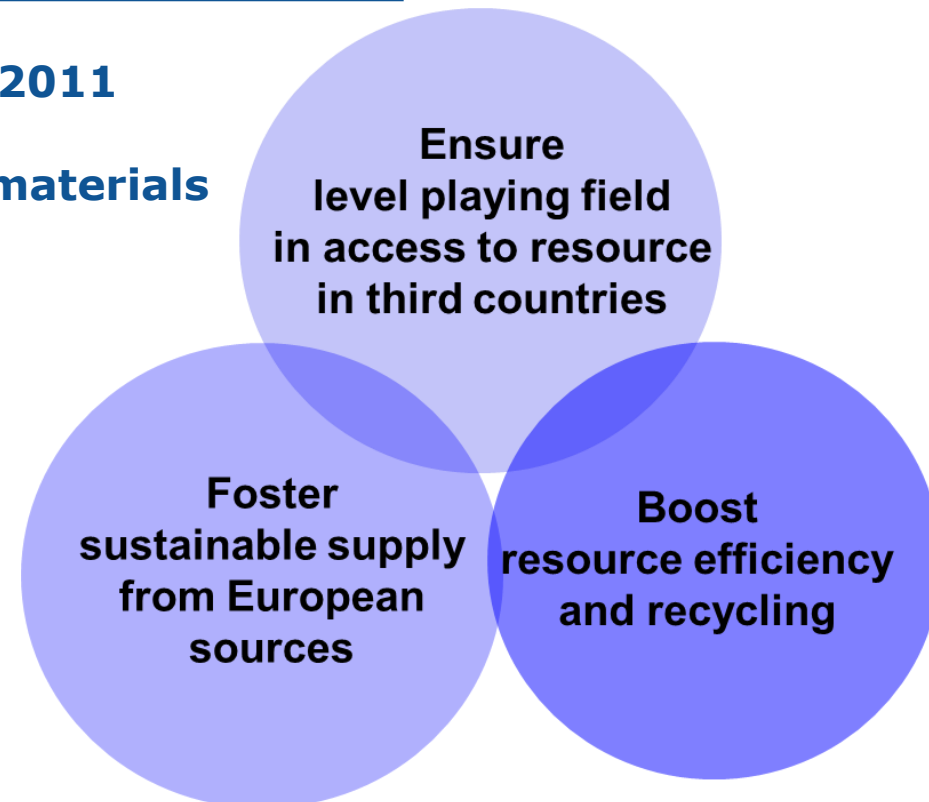


European  
Commission



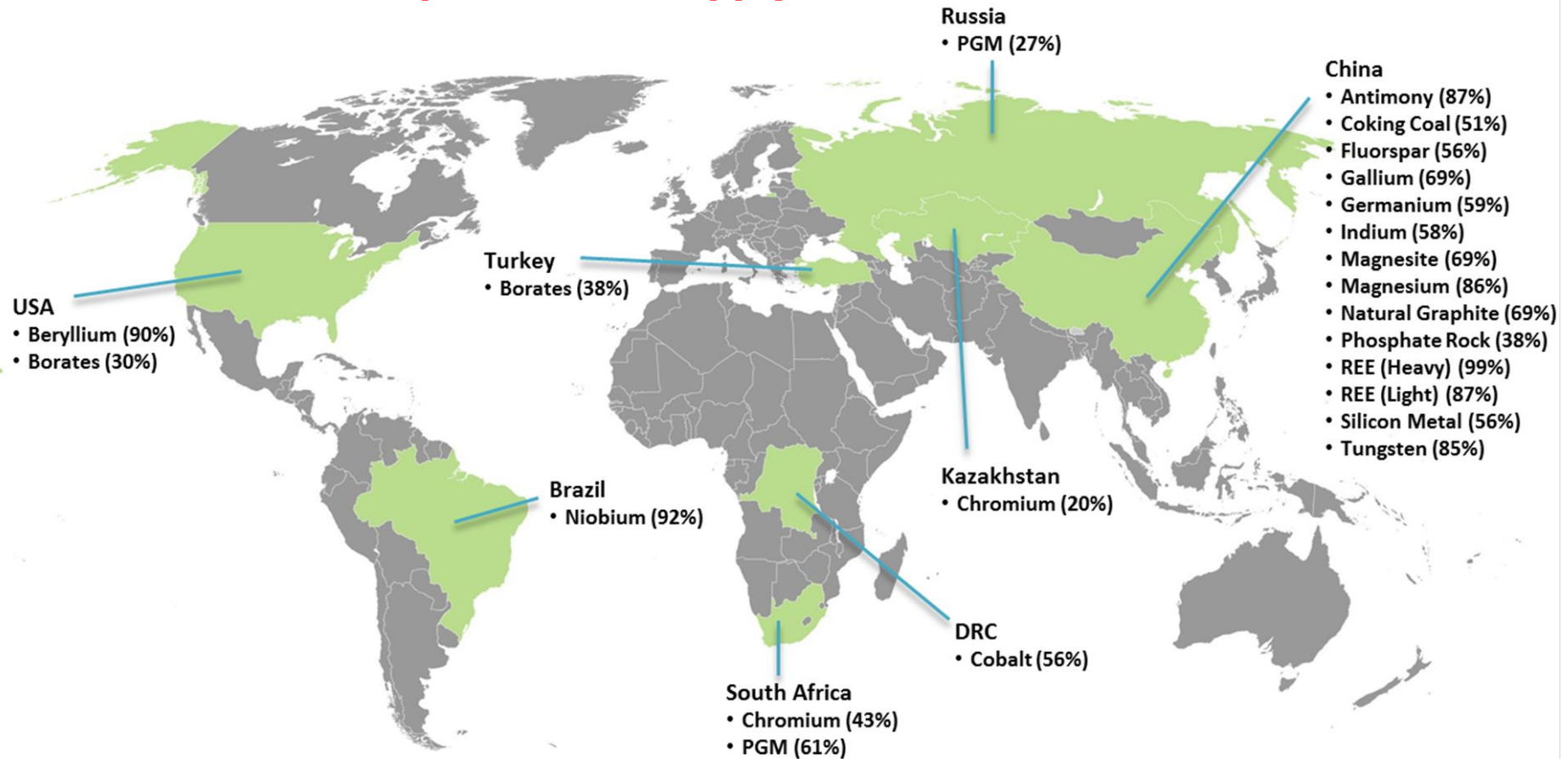
## 'Raw Materials Initiative' = EU Raw Materials policy

- **Aim: securing sustainable supplies of raw materials**
- **Launched in 2008, consolidated in 2011**
- **Non-energy, non-agricultural raw materials**
- **Integrated strategy (3 pillars)**
- **Introduced list of Critical Raw Materials (CRM) in 2010, updated 20 CRMs in 2014**





### CRM ⇔ Economic importance + Supply risk



\* Communication on the review of the list of critical raw materials for the EU and the implementation of the Raw Materials Initiative - COM(2014) 297, 26.5.2014



## Simplified Sankey diagram for Neodymium

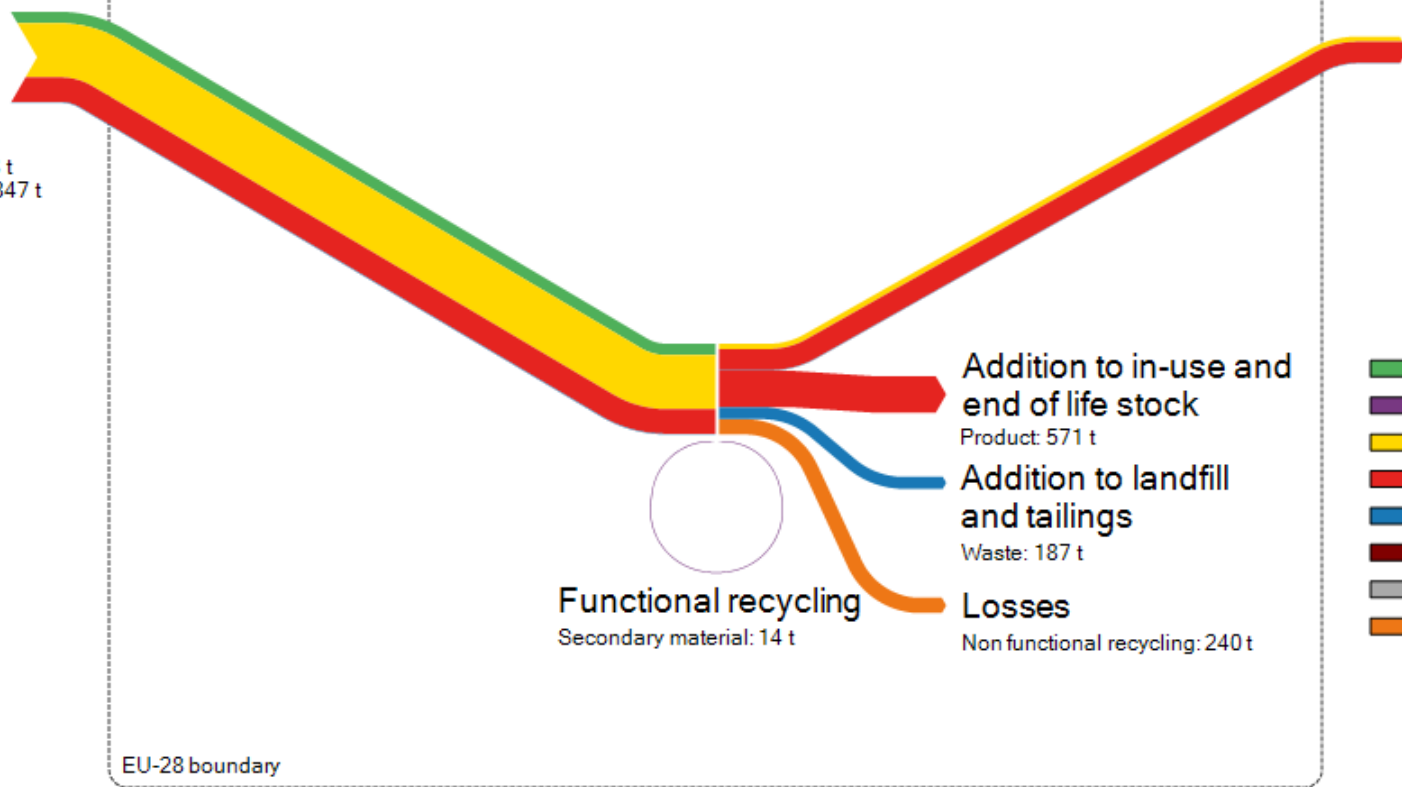
Results in t/year for the year 2013

Imports

Primary material: 178 t  
Processed material: 847 t  
Product: 385 t  
Waste: 11 t

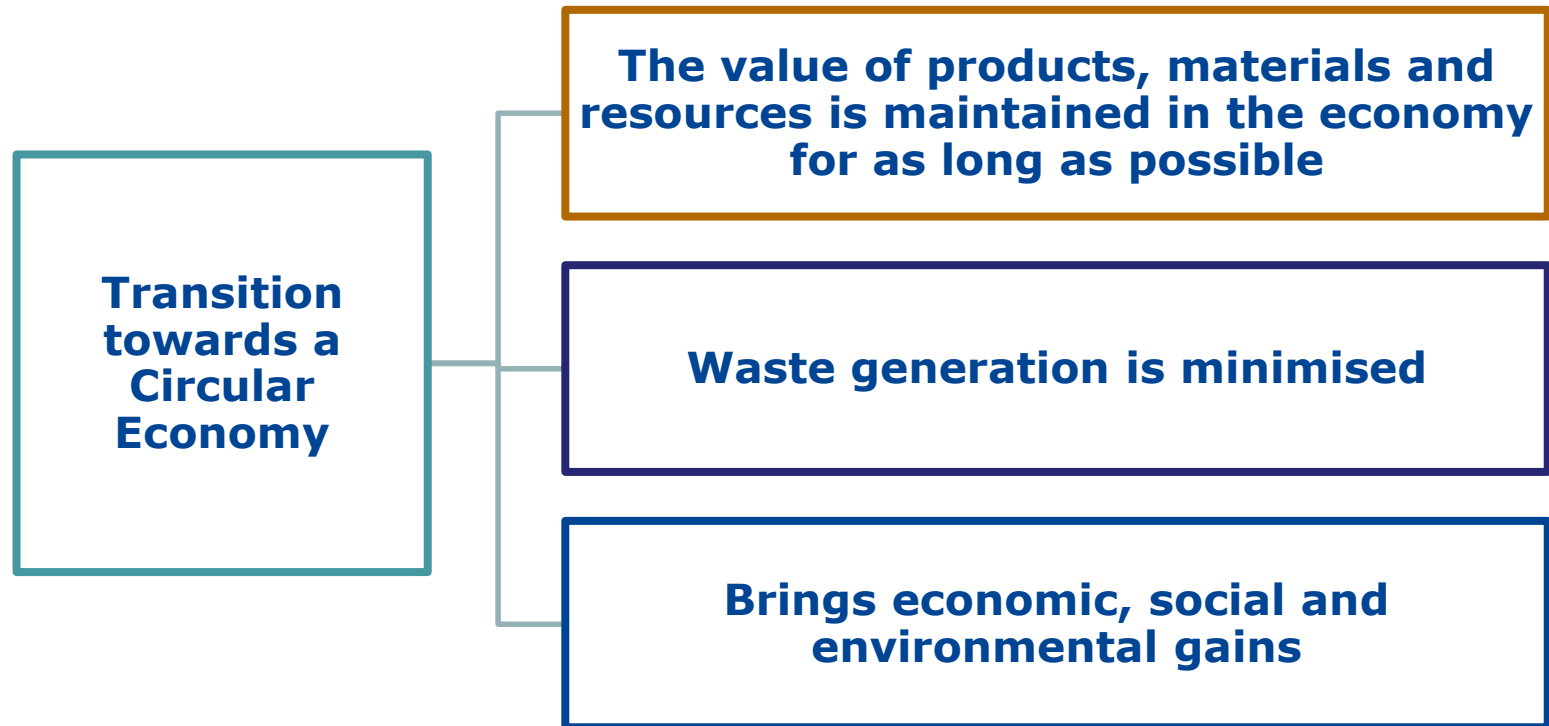
Exports

Processed material: 83 t  
Product: 332 t  
Waste: 08 t



EU-28 boundary

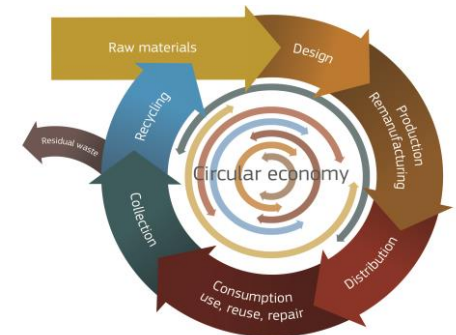
\* Study on Data for a Raw Material System Analysis, 2015:  
<https://ec.europa.eu/growth/tools-databases/msa/content/report-summaries>





## 123 Raw Materials Commitments:

- 980 partners, indicative budget ± EUR 2 billion
- **European Commission:**
  - Horizon 2020 (600 MEUR over 2014-2020)
    - **Near 40 Projects on Raw Materials under SC5. EC Contribution > 200 MEUR in 2014-2016**
  - Circular Economy Package
  - Studies, reports, conferences, dialogues etc
- **Launch EIT Raw Materials**



Target	Outlook
<b>1:</b> Up to 10 innovative pilot actions	😊😊😊
<b>2:</b> Substitutes for at least 3 applications of critical and scarce raw materials	😊😊😊
<b>3:</b> Framework conditions for primary raw materials	😊😊
<b>4:</b> Framework conditions for material efficiency and waste management	😊😊😊
<b>5:</b> European raw materials knowledge base	😊😊😊
<b>6:</b> Launch of a Knowledge and Innovation Community	😊😊😊😊
<b>7:</b> Pro-active international co-operation strategy	😊😊😊

# Raw materials in Horizon 2020?

Excellent  
science

Industrial  
leadership

Societal  
challenges

**SC5 - Raw materials**  
(~€600 million/)  
- 26 CRM related projects

**Circular Economy**  
SC2 - Bioeconomy  
SC3 - Energy

**+ ERA-MIN 2**  
**+ EIT Raw Materials**

**NMPB - Materials**  
**SPIRE PPP**  
**EEB PPP**  
**SME Instrument**  
**FTI-pilot**

### JUNE

- Publication of the **evaluation of the European Institute of Innovation and Technology (EIT)**

### JULY

- Publication of the **report of the High Level Group on maximising the impact of EU R&I programmes** (chaired by Pascal Lamy)
- **Conference: "R&I – Shaping our Future" (3 July)**

### OCT.

- Publication of the **evaluations of Public-Private Partnerships and Public-Public Partnerships** (Art.185 & Art. 187 initiatives)
- Publication of **Commission Communication** on the Interim Evaluation of Horizon 2020

# Raw Materials Week

6-10 November 2017



## **6 November:**

Copernicus for raw materials

## **7 November:**

EU advanced mining country raw materials diplomacy dialogue

EU critical raw materials event

## **8 November:**

**5<sup>th</sup> annual High Level Conference of European Innovation Partnership (EIP) on raw materials"**

## **9 November:**

Horizon 2020: societal challenge 5 infoday & and brokerage event

Reconciling biodiversity protection and extractive activities within Natura 2000 Network

*If you would like to add your event to the programme, please contact [GROW-EIP-RAW-MATERIALS@ec.europa.eu](mailto:GROW-EIP-RAW-MATERIALS@ec.europa.eu)*



# Thank you!

## **EU raw materials:**

[http://ec.europa.eu/growth/sectors/raw-materials/index\\_en.htm](http://ec.europa.eu/growth/sectors/raw-materials/index_en.htm)

## **EIP on Raw materials:**

<https://ec.europa.eu/eip/raw-materials/en/meetings-listing>

**EIT Raw materials:** [www.eitrawmaterials.eu](http://www.eitrawmaterials.eu)

## **Horizon 2020 - Raw materials webpage:**

<http://ec.europa.eu/programmes/horizon2020/en/area/raw-materials>

## **Raw Materials Week 2017:**

<https://ec.europa.eu/growth/tools-databases/eip-raw-materials/en>