



EUROPEAN COMMISSION

Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs

Industrial Transformation and Advanced Value Chains

Resource Efficiency and Raw Materials

Raw Materials Week 2018

13 November 2018, Le Plaza Hotel, Boulevard Adolphe Max 118-126, 1000 Brussels

Horizon 2020 Raw Materials Information and Brokerage Event

1. Nature of the meeting

This half-day session invited proposals for grant funding for innovative research and development projects falling within the wider EU policy on raw materials. The objectives were to set out the policy background, to present the current calls for proposals under the Horizon 2020 Programme and to broker a range of project ideas presented by stakeholders.

2. Policy background and raw materials in the H2020 Work Programme 2018 to 2020

The EU policy on raw materials is the current Raw Materials Initiative (RMI), which commenced in 2008. The strategy has since had a number of external influences, such as the Paris Agreement, the UN SDGs and the general transition to a low carbon, circular economy. A list of critical raw materials (CRMs) prepared in 2011 has since been updated. EU RM policy is based on three pillars, aimed at securing sustainable supplies of raw materials into the future:

- To ensure a level playing field in access to resources from third countries
- To foster sustainable supply from European sources, and
- To boost resource efficiency and recycling

The role of the EIP within this policy framework is to reinforce the RMI by translating the strategic policy framework into concrete actions and by mobilising the stakeholder community to implement them. It has helped to secure some €600 million under the Horizon 2020 programme ‘Societal Challenge 5 (SC5)’ relating to action on “Climate action, environment, resource efficiency and raw materials”.

3. Session I - Raw Materials calls

EASME presented its role in delivering projects within the RMs and included a review of the applications received and actions taken since 2014. Almost half of the applications came from for-profit organisations. The overall success rate of applications up to 2017 was 18%.

Specific topics on the RM theme under SC-5 in 2019 were presented. They are looking for RMs innovation actions and policy support actions for the circular economy, new solutions for the sustainable production of RMs, and innovation actions in exploration and Earth observation in support of sustainable mining. Technology Readiness Levels (TRLs) up to Level 7 are foreseen for the Innovation Actions.

Topics on raw materials and related areas in Horizon 2020 Work Programme 2019

In addition to SC5, funding opportunities beyond 2019 include LEIT-NMBP, LEIT-Space, Societal Challenge 2, ERA-Min 2, and EIT Raw Materials (total funding over €400 million).

The first element of the ‘Leadership in Enabling and Industrial Technologies’ (LEIT) topic within the H2020 programme focusses on the vital manufacturing sector of the EU, which accounts for 32 million jobs in 2.1 million enterprises. In support of this sector, LEIT-NMBP calls in 2019 for research and innovation into new materials and processes look for projects in nanotechnologies, advanced materials, biotechnologies and advanced manufacturing & processing. Again, TRLs of up to Level 7 are expected. The importance of a focus on exploitation of the results of the work

through a clear and attainable business plan was stressed. The lessons learned from these and other H2020 topics will be taken forward to the new R&I programme 'Horizon Europe'.

There are five challenges within the LEIT Space programme for 2019: calls for market uptake of Copernicus' data and information services; widening applications to other data and observation services; quality enhancement; international co-operation; and technology improvements.

SC-2 supports sustainable food, farms, forests, oceans and the bio-economy. The key H2020 RMs programme within SC-2 in 2019 calls for projects to develop new technologies and environmentally friendly solutions for the use of wood-based materials in the building sector. Projects providing TRLs of 6 to 7 are expected. A delegate asked how Canada might be involved in this programme. Whilst the H2020 programme is 'open to the world', and actively invites participation from outside the EU, organisations cannot be funded in principle. Guidance is given to programme participants where IP protection is possible.

Call for proposals of ERA-MIN 2

ERA-MIN is a network of European research-funding organisations with membership extending to non-EU countries in South America and Africa. Its five-year programme, ERA-MIN 2, is co-funded under H2020. The latest call closes for applications at the end of January 2019. It has, as its scope, demand driven research and innovation on primary and secondary resources of metallic, construction and industrial minerals, and substitution of CRMs in a circular economy approach.

Call for proposals of EIT Raw Materials

EIT RMs' Lighthouse programme involves large-scale and long-term coordinated innovation initiatives that address CRM challenges for Europe. The initiatives include a programme of project calls, networking and brokerage events and education and training activities. Lighthouses *Raw materials and Circular Societies* and *Sustainable Materials for Future Mobility* address the move towards zero waste in material flows, and electrification and lightweighting in mobility. A 2019 Lighthouse, *Sustainable Discovery and Supply*, will look at exploration, mining and processing of primary and secondary RMs, and at public acceptance of these activities. The KAVA6 call for upscaling project proposals has a submissions deadline of mid-February 2019.

4. Session II - Brokerage Session

Twelve short presentations of project ideas were presented by stakeholders. Details will be uploaded to the website:

The session concluded with a networking and partnering session.

Annex: Agenda of the meeting

Raw Materials Week

12-16 November 2018



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13 November 2018

Le Plaza Hotel (Boulevard Adolphe Max 118-126, 1000 Bruxelles)

14.00-16.00 **Raw Materials calls** – Chaired by Ms **Malwina Nowakowska-Ketterle**, Deputy Head of Unit, Resource Efficiency and Raw Materials, DG GROW.C2, EC

- General presentation about raw materials policy background and raw Materials in H2020 Work Programme 2018-2020. Ms **Malwina Nowakowska-Ketterle**, DG GROW.C2
- Presentation about implementation of Raw Materials in Societal Challenge 5. Mr **Marcin Sadowski**, EASME B.2.4 Raw Materials sector

Topics on raw materials and related areas in Horizon 2020 Work Programme 2019:

- Raw materials topics under Societal Challenge 5. Mr **Manuel Gómez Herrero**, DG GROW.C2
- Relevant topics under other parts of H2020:
 - LEIT-NMBP-SPIRE. Mr **Georgios Katalagarianakis**, DG RTD.D3
 - LEIT-Space. Mr **Francesco Barbato**, DG GROW.I3
 - Societal Challenge 2. Mr **Doru-Leonard Irimie**, DG RTD.F3

Interactive Session – Q&A

Call for proposals of **ERA-MIN 2** – Ms **Dina Carrilho**, Fundação para a Ciência e a Tecnologia

Call for proposals of **EIT Raw Materials** – Ms **Karen Hanghøj**, EIT Raw Materials

Interactive Session – Q&A

16.30-18.00 **Brokerage Session** - Chaired by Mr **Manuel Gómez Herrero**, DG GROW.C2 and Mr **Marko Cacanowski**, EASME B.2.4

Short presentations of project ideas by stakeholders.

18:00-20:00 **10th Anniversary of the Raw Materials Initiative & Opening of Poster Session** by Mr **Gwenole Cozigou**, Director, Industrial Transformation and Advanced Value Chains, DG GROW, EC

Networking Cocktail