Design for recycling
December 8th, 2016

Possibilities for cooperative projects and SME’s within EIT Raw Materials
EIT KIC RawMaterials (EIT RM)

EIT stands for European Institute of Innovation and Technology and has as a goal to enhance Europe’s ability to innovate by:

- Nurturing young **entrepreneurial talent**.
- Bringing together research, industry and education and supporting new ideas and business through the **Knowledge and Innovation Communities** (KICs).

**EIT RM Themes:**
- **Exploration** and raw materials resource assessment
- **Mining** in challenging environments
- Increased **resource efficiency** in mineral and metallurgical processes
- **Recycling** and materials chain optimisation for End-of-Life products
- **Substitution** of critical and toxic materials in products and for optimised performance
- **Design** of products and services for the **circular economy**
EIT RawMaterials: goals

1. Creating and developing new “game changing” businesses:

2. Boosting the existing RM sector:
   • market introduction of new materials
   • investments in technologies and models
   • system integration
   • setting up of new partnerships

3. Achieving a “paradigm shift” in RM education by introducing entrepreneurship, supporting the effective transformation of ideas into businesses
KIC EIT RM: Making the RawMaterials sector a strength for Europe

• ca. 120 partners in 22 EU-countries

• Financially supported by the EU:
  − ca 20 million EUR in 2016
  − 270 million EUR until 2022

• Full coverage of value chains and commodities (especially CRMs)

• Business partners represent more than 700k jobs, more than EUR 200 billion turnover

A pan-European network of Excellence
The challenge

Bridging the “Valley of Depth”

To increase cooperation and integration between education, business and research and facilitate:

- Student to Entrepreneur
- Idea to Product
- Lab to Customer
KIC Activities
for entrepreneurs and SME’s

KAVA: KIC Added Value Activities

1. Funding, coaching and investments for start-ups and SME’s

2. Development of entrepreneurial and business knowledge and skills

3. Upscaling and access to unique infrastructure

4. Open the innovation funnel, create opportunities and services for outstanding ideas
Financing entrepreneurship, business creation and support

• Open EIT RM call Kick-start, SME Booster:
  • Up to 60,000 Euro
  • Contact EIT RawMaterials (CLC’s)
  • Submit 5-page application (template in Website)
  • Pitch and get selected

• We provide not only funding but also, coaching, network (Clients and contacts), access to infrastructure ......

• All information at:

www.eitrawmaterials.eu
Financing innovation projects: upscaling and education (KAVA4)

**Call for proposals open!** Deadline: March 31st, 2017

- **Call for upscaling projects:**
  - Upscaling projects are innovation projects based on validated technologies that need additional step(s) for **upscaling**, **demonstration** or **implementation**.
  - The objective is to **bring the technology to market**, as a product, service or process.
  - Moving from TRL (Technology Readiness Level) 5, corresponding to a “technology validated in relevant environment” to at least 7 at the end of the project (“system prototype demonstration in operational environment”)
  - Market introduction and/or a commercial use within 3 years (or less) after the end of project.

Next to upscaling also **Network of Infrastructures (NoI)**

**Clustering** open for proposals

Upscaling projects **must aim to have an educational component**.
Financing innovation projects: upscaling and education (KAVA4)

Call for proposals open! Deadline: March 31st, 2017

- Upscaling proposals should demonstrate financial and non-financial backflows and contribute to specific KPIs of the KIC.
- The project consortium can include partners who are not EIT RM members as Task partners, e.g. SMEs.
- Task partners can be eligible for funding up to a maximum amount of €60 K per year (H2020 Third party rules)
- It is possible to add other partners to the consortium after the project selection, but without changes to the total KAVA budget allocated to the project.
Financing innovation projects: upscaling proposals (KAVA4)

Portfolio of activities from:
- Innovation

• Contributing to the integration of the knowledge triangle and the overall objectives of the EIT
• Establishment, administration and coordination of activities
• Having a clear and described link with at least one KIC added-value activity
• Not financed by the EIT

KIC PROJECT

+10-15% in-kind

KIC ADDED-VALUE ACTIVITY

25%

KIC COMPLEMENTARY ACTIVITY

75%
Financing innovation projects: upscaling and education (KAVA4)

- **EIT RawMaterials KAVA call for education project proposals**

  Education projects involve: PhD Education, Master Education, Lifelong Education, Wider Society Learning

**Goals in KAVA4 for Education:**

- Enrich existing **Masters/PhD programs** with an entrepreneurship and innovation component or create new programs that fulfil the requirements of the EIT label;
- Introduce new **Life-Long-Learning** programs relevant to industry needs and to improve intrapreneurship and entrepreneurship skills in RM sector;
- Enhance interest in and knowledge of the role and importance of raw materials in society;
- Include industry partners and ensure relevance in all types of education activities;
- **The inclusion of SMEs as partners and/or customers in the projects is encouraged!**
Financing innovation projects: education proposals (KAVA4)

Portfolio of activities from:
- Education

- Contributing to the integration of the knowledge triangle and the overall objectives of the EIT
- Establishment, administration and coordination of activities

- Having a clear and described link with at least one KIC added-value activity
- Not financed by the EIT
WETSUS - EIT RawMaterials joint start-up and incubator program

Launched on 3 October in Leeuwarden (NL)

=> deadline December 31st, 2016

To accelerate up to 5 start-ups with innovative ideas and concepts oriented to raw materials and water:

• Metal and mineral recovery and recycling technologies
• Upcycling of waste components
• Innovative water-related collaboration concepts

http://watercampus.nl/en/nieuws/call-resourcing-water/
Matchmaking and networking

Agoria meets the KIC Raw Materials

⇒ December 15th, 2016 in Brussels (BE)

Belgian technical and technological industry gets in touch with the KIC for collaboration in KAVA activities, education and new partnerships.

Idea Camp on WEEE recycling

March 9, 2017 in Aachen (DE)

The University of Aachen, KIC Core partners, wants to stimulate ideas and partnership for KAVAs and H2020 projects.

Inspirational event on Circular Business Models

April 2017 in the Netherlands

Delft University and other KIC partners will be together experts, entrepreneurs and students to propose and discuss ideas on business models. Business schools will be involved in the event.
Start-ups/SME’s and the International Venture Forum

Launched mid November in Ghent (BE)

=> *deadline December 9th, 2016*

To bring outstanding start-ups and SME’s in contact with major players in the European Investment landscape.

Themes:
(Processing of) ferrous materials
Circular Economy
Industry 4.0
Website
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www.eitrawmaterials.eu
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