Knowledge and Innovation Community (KIC) Raw Materials update

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European Raw Materials Initiatives

- Raw Materials Supply Group (DG Enterprise)
  - Raw Materials supply study
  - List of critical raw materials
  - Raw Materials as an important factor for the European industry

- European Innovation partnership on raw materials (EIP)
  - BMWFJ (Minister Mitterlehner + 6 ministers)
  - Around 15 Industry representatives
  - Montanuniversitaet Leoben

- KIC: Knowledge and Innovation Community “Raw Materials”
Definition of raw materials

➤ Non energy raw materials
➤ Minerals, wood and other bio-based raw materials

➤ Subjects
  ▪ Exploration
  ▪ Extraction/ Mining
  ▪ Processing
  ▪ Recycling
  ▪ Substitution
  ▪ New Materials
KIC - Knowledge and Innovation Community

- KIC = Initiative of the European Institute for Innovation and Technology (EIT)

- Three existing KIC
  - Information & Communication
  - Climate
  - Energy

- Call for two new KIC’s on 14.2.2014
  - Raw Materials
  - Healthy Living and Active Aging

- Proposal to be submitted by 10.9.2014
KIC - Knowledge and Innovation Community

- Knowledge triangle: Research, Innovation and Education
- Network of partners: Industry, Research and Education
- Organisation: Company or association
- Activities: 200 - 400 million € annual turnover
- Period: 7 years + 7 years
- Structure
  - One Headquarter
  - 5 regional Nodes (Co-Location Centres)
KIC - Knowledge and Innovation Community

- Aim of the KIC’s
  - Support/promotion of an industry (raw materials industry)
  - Support of industrial activities through new products, new technologies,
  - Creation of new jobs

- KIC success factors
  - Number of new (additional jobs)
  - Number of patents
  - Number of new education programs
Knowledge triangle Research, Innovation and Education
KIC - Knowledge and Innovation Community

Financing

- 75% KCA – KIC Complimentary Activities
- 25% KAVA – KIC Added Value Activities

**KCA**
- Horizon 2020
- Domestic funds (FFG, ..)
- Industrial funded projects
- Regional (EU) funded activities

**KAVA**
- Basic research
- Education
- Doctoral schools
Advantage from participation in a KIC

- R&D and education activities labelled by the KIC Raw Materials (EIT label) gives easier access to a number of funds
  - EU regional funding
  - Horizon 2020 projects with very attractive funding schemes
- Complimentary (KAVA) funding sources (provided KCA activities are available)
Advantage from participation in a KIC

- European wide access to graduates from raw materials programs
- European wide access to research networks in the field of raw materials
- Influence on contents of R&D programs
Preparation Consortium “KIC Raw Matters”

Countries
- Sweden
- Finland
- Poland
- Germany
- Austria plus ESEE
- Belgium
- France
- Spain & Italy
- Ireland

Partners
- Companies
- R&D institutions
- Universities
- Currently around 50 Core Partners

Timing
- Submission of proposal September 2014
- Hearing December 9th
- Grant January 2015
Competing Consortia

- Group from Denmark, Norway, Greenland, Portugal, ??????
Preparation Consortium “KIC Raw Matters”

- Partnering schemes
  - Core partners
  - Associated partners
  - Project partners
Preparation Consortium “KIC Raw Matters”

- **Core partners**
  - Active on overall KIC level
  - 1 Million € activities, 100.000 € cash contribution
  - Unlimited access to KAVA

- **Associated partners**
  - Active on Co-location centre level
  - 300.000 € activities, 30.000 € cash contribution
  - Limited access to KAVA

- **Project partners**
  - Work on project level
Preparation Consortium “KIC Raw Matters”

- **Obligations**
  - MoU signing
  - Contribution to proposal preparation
  - Legally non binding intent for future participation
  - Financial obligations < 10,000 €

- **Rights**
  - Participation in decision process
  - Proposal preparation
  - Future KIC participation
Preparation Consortium “KIC Raw Matters”

- Governance structure
  - Executive group (3 persons)
  - Steering Committee (16 persons, 2 from Austria)
  - General assembly
  - Working groups
  - Project management team
  - Co-Location Centres
  - Regional ESEE (East & South East European) centres
Preparation Consortium “KIC Raw Matters”

- Nordic CLC (Primary Materials)
- Eastern CLC (Primary Materials)
- Western CLC (Secondary Materials)
- Central CLC Materials
- Southern CLC (Bio Based Materials, Substitution)
- ESEE RIC
EIT Call contents

- No specific description of technical contents
- Everything is accepted as long as it seems to be justified
- General guideline is estimated to be the SIP’s of the EIP
- We have to sell our business ideas to the EIT
Proposal preparation – timing

- Proposal writing
  - Overall strategy (what, why, when)
  - Business Plan
    - Organisation
    - Activities
    - Financing
- Evaluation of existing consortium and work done so far (last 1.5 years)
- Completion of consortium (more industrial end user needed)
Staff function within CLC East - RIC ESEE

Partners from
- Slovakia,
- Hungary,
- Romania,
- Bulgaria,
- Greece,
- Slovenia,
- Croatia,
- Czech Republic
- Serbia,
- Bosnia
- Kosovo
- Albania,
- Montenegro,
- Macedonia,
- Cyprus
ESEE staff function (RIC) coordinated by Austria
ESEE (Regional) Hubs
- Common language
- Known partnership
- Awareness of cultural do’s and don’ts
- Local activity coordinator
  - Industry
  - Research & Academics

Provided ESEE activities reach a volume > 50 million €, the RIC will be converted into an additional CLC
ESEE team

- Alfred Maier
  - Mining Engineer, ESEE partnership set up, Technical contents, projects

- Katrin Brugger
  - Management, administrative coordination on EU and national level

- Peter Reif
  - Mechanical Engineer, Former CEO of Magna Power Train, Consultant for organisation set up

- MU-Leoben Professors
  - Manfred Hoscher (Mining), Helmut Flachberger (Processing), Helmut Antrekowitsch and Johannes Schenk (Metallurgy), Roland Pomberger (Recycling), Clemens Holzer (Materials)
ESEE approach

- Critical success factors:
  - High industry participation from ESEE region and from rest of Europe
  - Suitable governance structure (same for all CLC)
  - Alignment with other CLC
  - ESEE base funding from Austrian government
  - Availability of regional funds (local and EU)
Participation in ESEE approach

- Opportunities for participation
  - Industry
    - Core partner (to overall KIC)
    - Associated (ESEE) partner
  - Research
    - Associated (ESEE) partner
  - Requirements for participation
    - Signing letter of commitment
    - Active participation in preparation phase
    - Commitment to pay at maximum 10,000 € (core partner) or 5,000 € (associated partner)
ESEE approach – What next

Coordinator (Leoben level)
- Set up of Clusters
- Development of a governing scheme for the Clusters
- Integration into CLC East
- Exploring regional funding opportunities (rules)
- Business plan for every Cluster

Country level
- Completion of team
- Set up of cluster organisation and link to CLC East
- Development of a strategic activity plan (must be KCA)
- Development of projects
  - Education
  - Research
  - Development
  - Pilot activities