



# **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 from 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

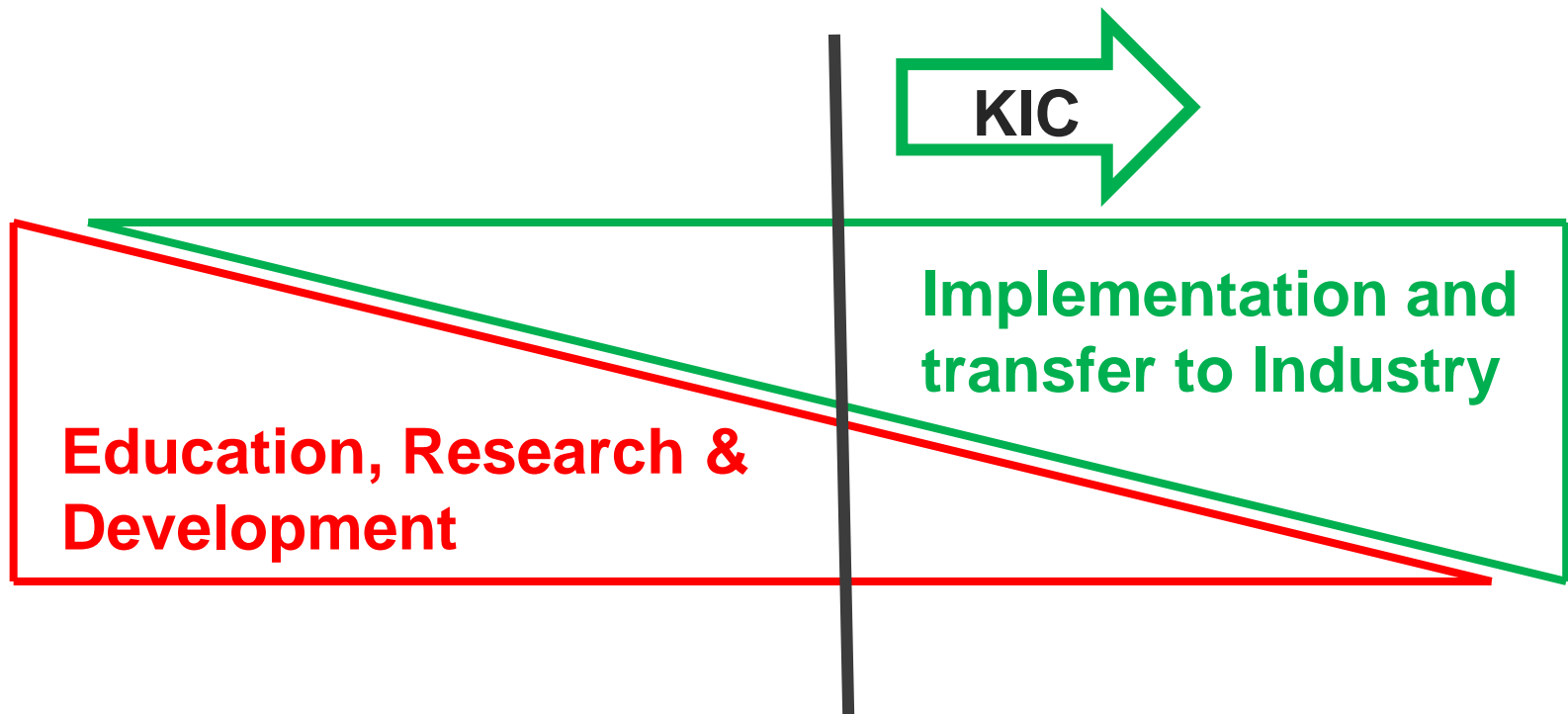
- Support/ promotion of an industry (raw materials industry)
- Support of industrial activities through new products, new technologies,
- Creation of new jobs

## ➤ KIC success factors

- Number of new (additional jobs)
- Number of patents
- Number of new education programs

# KIC - Knowledge and Innovation Community

- 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
- ....
- ....

# KIC - Knowledge and Innovation Community

- 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)

# KIC - Knowledge and Innovation Community

- 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 9<sup>th</sup>
- 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

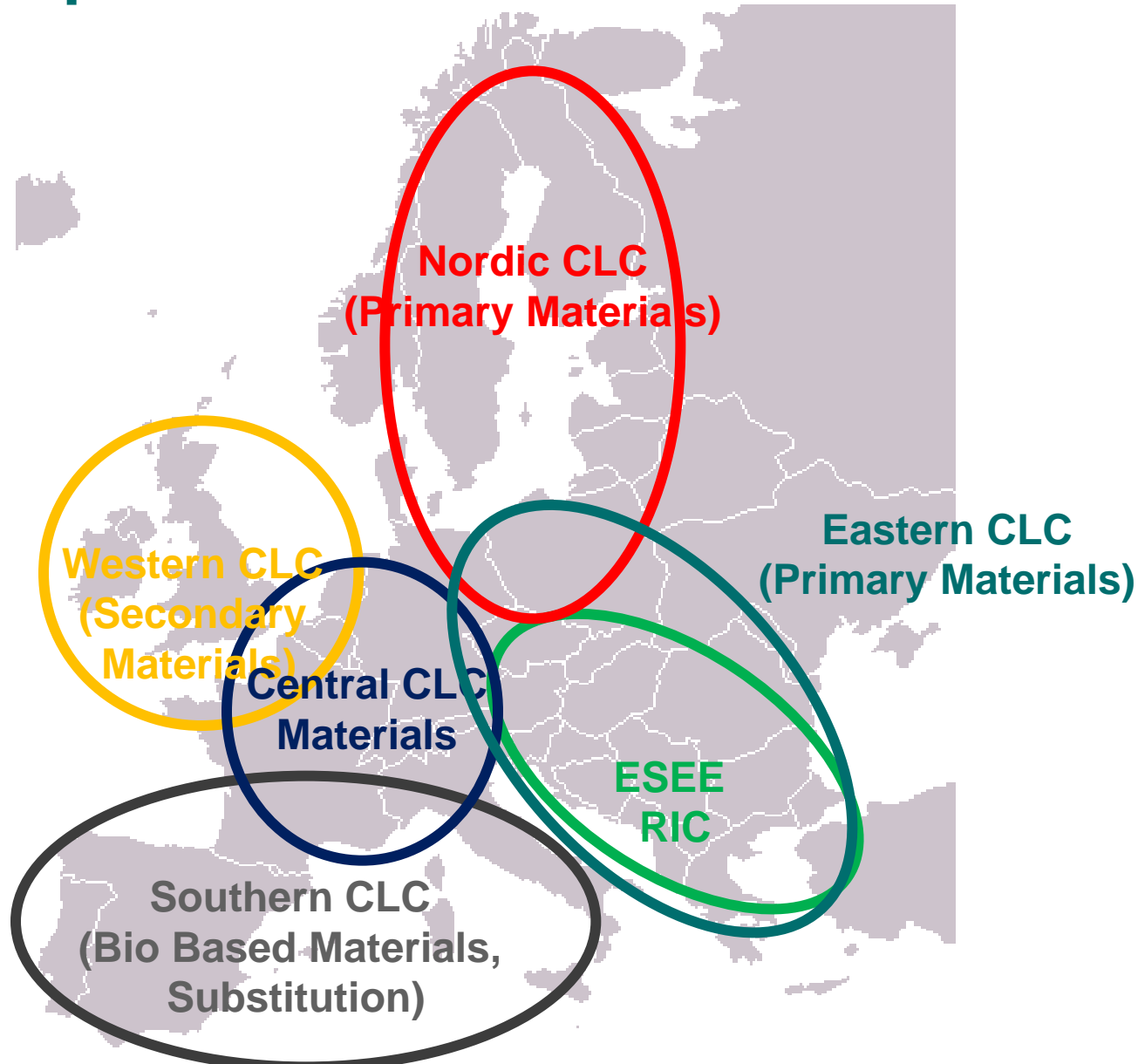
- Participation in decision process
- Proposal preparation
- Future KIC participation

# 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”



# 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



## 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 > 50million €, 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