

The raw materials approach within the ESEE Region as part of the KIC on raw materials proposal



European Raw Materials Initiatives

- European Commission (EC) DG Enterprises
 - Raw Materials Supply Group (RMSG)
 - Raw Materials supply study
 - Communication of EC, List of critical raw materials
 - Raw Materials as an important factor for the European industry
 - European Innovation partnership on raw materials (EIP)
 - 7 Ministers (Austria: Minister Dr. Mitterlehner, BMWFW)
 - Around 15 Industry representatives
 - Montanuniversitaet Leoben
- EC DG Education – EIT Budapest - Knowledge and Innovation Community KIC “Raw Materials”
- EC DG Research - Raw Materials in Horizon 2020

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 was submitted by KIC Raw MatTERS

KIC - Knowledge and Innovation Community

- Aim of the KIC's
 - Meet the major challenges of European Society
 - 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 - Advantage from participation in a KIC

- **Strategic**: European wide access to research networks in the field of raw materials, Influence on contents of R&D programs, access to graduates
- **On the merits**:– research & education of your interest
- **Financial**: 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 - very attractive funding schemes
 - Complimentary (KAVA) funding sources (provided KCA activities are available)



Preparation Consortium “KIC Raw MatTERS”

Tackling Europe's Resource Sustainability

- Exploration and raw materials resource assessment
- Mining in challenging environments
- Increased resource efficiency in mineral and metallurgical processes
- Recycling and material 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

Relevance of KIC RawMatTERS

- To help realising the EUROPE 2020 strategy
- To boost the European industrial renaissance
- To implement the EIP Raw Materials strategy and actions
- To enable a European circular economy
- To shape the European Education Landscape for RM
- To make Europe more innovative and to create jobs

ESEE Region & Strategy



- Albania
- **Austria**
- Bosnia-Herzegovina
- **Bulgaria**
- **Croatia**
- Cyprus
- **Czech Republic**
- **Greece**
- **Hungary**
- Kosovo
- Montenegro
- Macedonia
- **Romania**
- **Serbia**
- **Slovakia**
- **Slovenia**



ESEE Region

Production of mineral resources (t) 2012

Total: 314.666.328 t = 1,87 % global production

Albania	1.186.500
Austria	5.622.196
Bosnia-Herzegovina	15.325.116
Bulgaria	34.465.519
Croatia	2.412.112
Cyprus	492.308
Czech Republic	58.860.462
Greece	68.009.499

Hungary	12.051.425
Kosovo	8.711.102
Macedonia	7.584.130
Montenegro	1.876.812
Romania	50.156.323
Serbia	39.856.059
Slovakia	3.693.323
Slovenia	4.363.442



ESSE is of utmost importance to the European Union

- The ESEE region is of particular interest due to its unique geological potential and unique potential on secondary raw materials.
- The RM potential overall and especially for some critical minerals like Antimony, Borates, Chromium, Gallium, Germanium, Indium, Magnesite, PGMs and REEs makes it highly relevant in connection with the European raw materials strategy
- From an economic point of view (security of supply, economic value, employment) and from a political point of view (cohesion, regional development, "Candidate Countries" and "Potential Candidates") the ESEE Region is highly relevant.



„ESEE – Dialog Forum“ - strategies

- Forming a **community** of industry, research and universities
- Aiming at a comprehensive **inventory** of primary and secondary deposits, abandoned mines, mining enterprises, universities and R&D, reprocessing of known data
- Aiming at compressing information and feasibility studies to **bridge the gap between high potentials and industrial activities**, junior mining company concept
- Developing industrial **projects** from primary and secondary resources to generate an added value
- Developing new mining **design** for small scale mining
- Exchange of **information** on *Horizon 2020, European Regional Development Fund, European Social fund, Cohesion Fund*



„ESEE – Dialog Forum“ - Conference

Kick Off
18th & 19th November 2014



K I C
Raw Materials Sustainable Exploration Extraction Processing Recycling Substitution

1st ESEE Dialogue Conference
2014, November, 18-19
Leoben, Austria

Announcement

To explore all opportunities in East and SouthEast Europe,
we invite you to participate in our Kick-Off Meeting

ESEE Dialogue Conference
November 18th 2014, 6pm-10pm
November 19th 2014, 9am-5pm

- Information on the proposal of the KIC Raw MatTERS Consortium for a KIC on raw materials
- Report on the development of our ESEE community
- Project Ideas and cooperation possibilities
- Opportunity for a statement of all ESEE partners
- Networking among the ESEE community

For participation please register on <http://esee.unileoben.ac.at/>
until latest November 1st 2014.

Please feel free to also join us at our evening reception on November 18th,
starting at 6pm with speakers from Brussels and the Austrian Government.

We are looking forward welcoming you in Leoben,
Alfred, Klaus, Katrin and Peter

The detailed program will be sent out soon.
For further questions, please do not hesitate to contact us at
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Glück auf!

Glueck auf! is more than good luck!

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