



ERA-MIN: The European network (ERA-NET) on non-energy raw materials

o. vidal (1), p. christmann (2), d. Bol (3), b. Goffé (1), m. Groth (4), e. Kohler (1), k. Persson Nelson (5), and k. Schumacher (6)

(1) CNRS - Institut National des Sciences de l'Univers, Paris, France , (2) BRGM - Orléans , France, (3) M2i - Delft, Netherlands, (4) VINNOVA - Stockholm, Sweden, (5) SGU - Uppsala, Sweden, (6) Forschungszentrum Juelich GmbH, Germany

Non-energy raw materials are vital for the EU's economy, and for the development of environmentally friendly technologies. The EU is the world's largest consumers of non-energy minerals, but it remains dependent on the importation of many metals, as its domestic production is limited to about 3% of world production.

We will present the project ERA-MIN, which is an ERA-NET on the Industrial Handling of Raw Materials for European industries, financially supported by the European Commission. The main objectives of ERA-MIN are:

- 1) Mapping and Networking: interconnecting the members of the currently fragmented European mineral resources research area, to the aim of fostering convergence of public research programs, industry, research institutes, academia and the European Commission,
- 2) Coordinating: establishing a permanent mechanism for planning and coordination of the European non-energy mineral raw materials research community (ENERC).
- 3) Roadmapping: defining the most important scientific and technological challenges that should be supported by the EU and its state members,
- 4) Programming: designing a Joint European Research Programme model and implementating it into a call for proposals open to academic and industrial research.

The topics of interest in ERA-MIN are the primary continental and marine resources, the secondary resources and their related technologies, substitution and material efficiency, along with transversal topics such as environmental impact, public policy support, mineral intelligence, and public education and teaching.

Public scientific research is very central in the scope of the ERA-MIN activity, whose consortium is indeed lead by a public organisation of fundamental research. Thus, universities and public research organisations are warmly invited to play an active role in defining the scientific questions and challenges that shall determine the European Raw Materials Roadmap and should be addressed by joint programming at the European scale. The various levels of possible involvement in ERA-MIN for the interested stakeholders will be presented.