



**ERA-MIN - Coordination of European research and innovation funding programmes in non-energy raw materials and international cooperation**

**EU- Latin America dialogue on Raw Materials (with Argentina, Brazil, Chile, Colombia, Mexico, Peru, Uruguay)**

**Lima, Peru, 10-11 March 2014**

**Isabel Figueiredo (FCT – Portugal)**



**ERA-MIN**

NETWORK ON THE INDUSTRIAL HANDLING  
OF RAW MATERIALS FOR EUROPEAN INDUSTRIES

<http://www.era-min-eu.org/>



# ERA•MIN

---

NETWORK ON THE INDUSTRIAL HANDLING  
OF RAW MATERIALS FOR EUROPEAN INDUSTRIES

**COORDINATOR: Olivier Vidal, CNRS, [olivier.vidal@ujf-grenoble.fr](mailto:olivier.vidal@ujf-grenoble.fr)**

**PROGRAMME MANAGER: Elisabeth Kohler, CNRS, [elisabeth.kohler@cnrs-dir.fr](mailto:elisabeth.kohler@cnrs-dir.fr)**

**International Cooperation Leader: Dina Carrilho, FCT, [dina.carrilho@fct.pt](mailto:dina.carrilho@fct.pt)**

**[www.era-min-eu.org](http://www.era-min-eu.org)**

# The ERA-MIN network: 18 partners from 15 European countries

## Full members

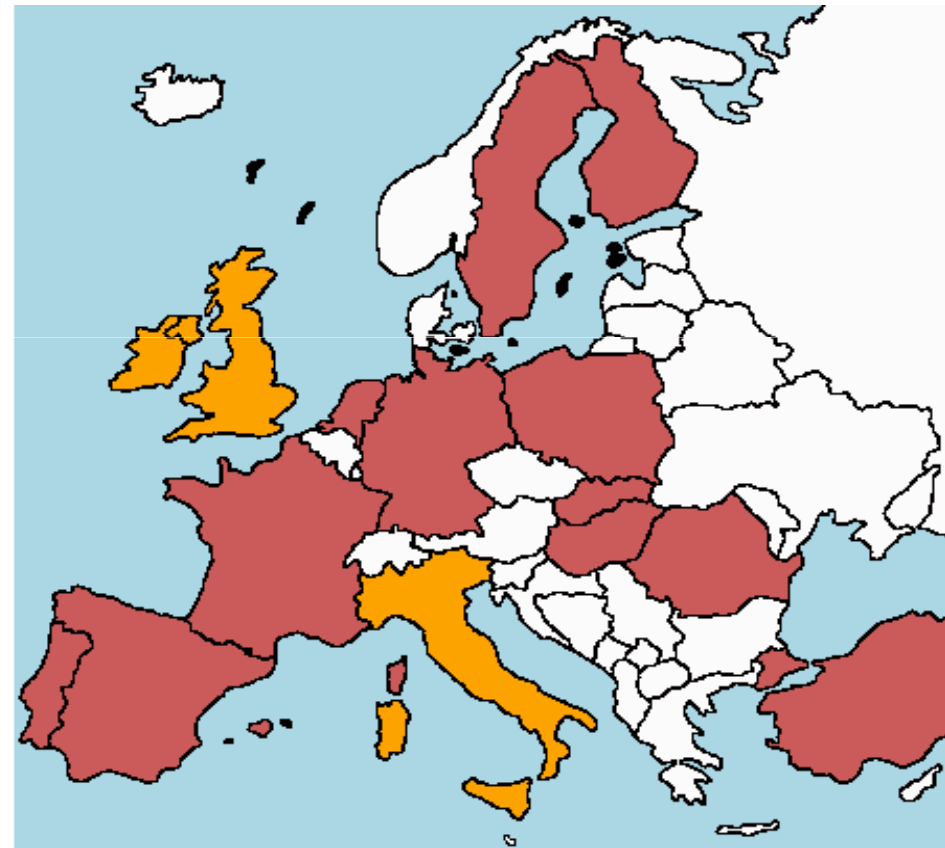
*(Signed Grant Agreement with EC)*

Finland	TEKES
France	CNRS and ADEME
Germany	BMBF and JÜLICH
Hungary	MBFH
The Netherlands	M2i
Poland	NCBR
Portugal	FCT
Romania	UEFISCDI
Slovakia	SGUDS
Spain	CDTI
Sweden	VINNOVA and SGU
Turkey	TUBITAK

## Associated partners

*(Signed Agreement with the ERA-MIN Coordinator)*

Ireland	GSI
Italy	ENEA
United Kingdom	KTN



© PK 12\_13



ERA-MIN

NETWORK ON THE INDUSTRIAL HANDLING  
OF RAW MATERIALS FOR EUROPEAN INDUSTRIES



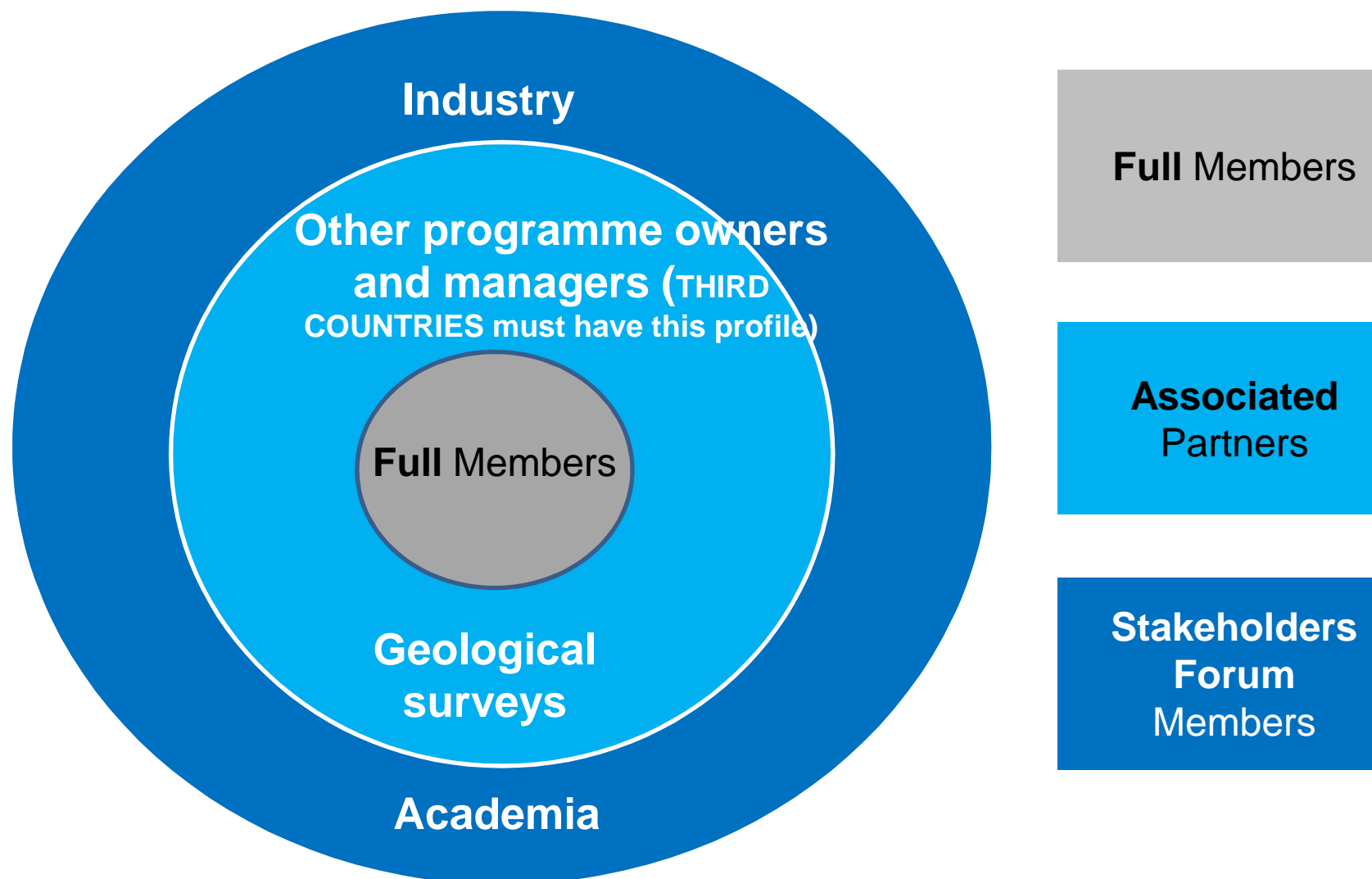
NETWORK ON THE INDUSTRIAL HANDLING  
OF RAW MATERIALS FOR EUROPEAN INDUSTRIES

**ERA-MIN** is focused on the issues related to the three sectors of the **European Non-Energy mineral Raw materials Community (ENERC)**:

1. Metallic minerals
2. Industrial minerals
3. Construction minerals



ERA-MIN: **three levels of participation**

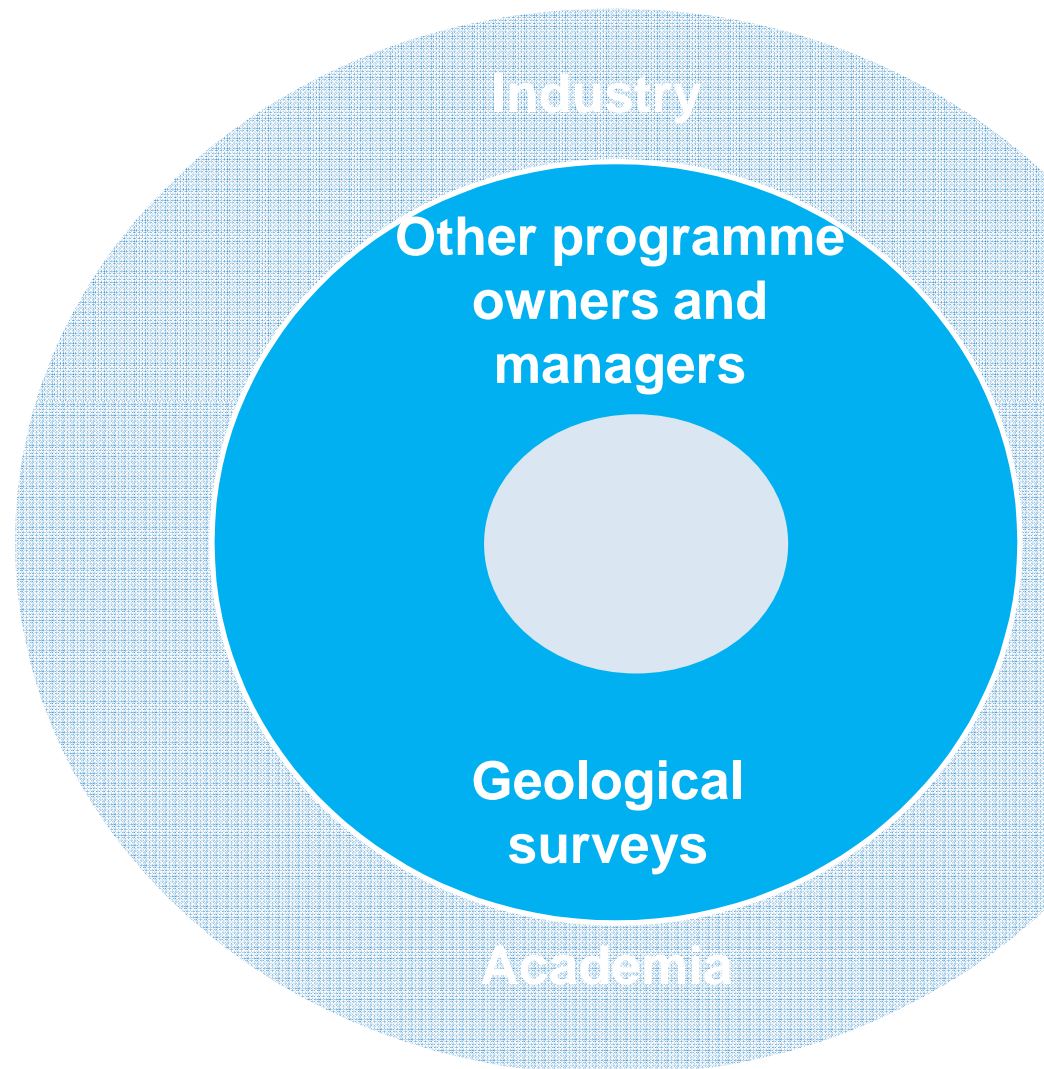






ERA•MIN

NETWORK ON THE INDUSTRIAL HANDLING  
OF RAW MATERIALS FOR EUROPEAN INDUSTRIES



## **Associated Partners**

- Other research programme owners or managers (e.g. Geological Surveys and similar organizations)

Contract with the ERA-MIN coordinator

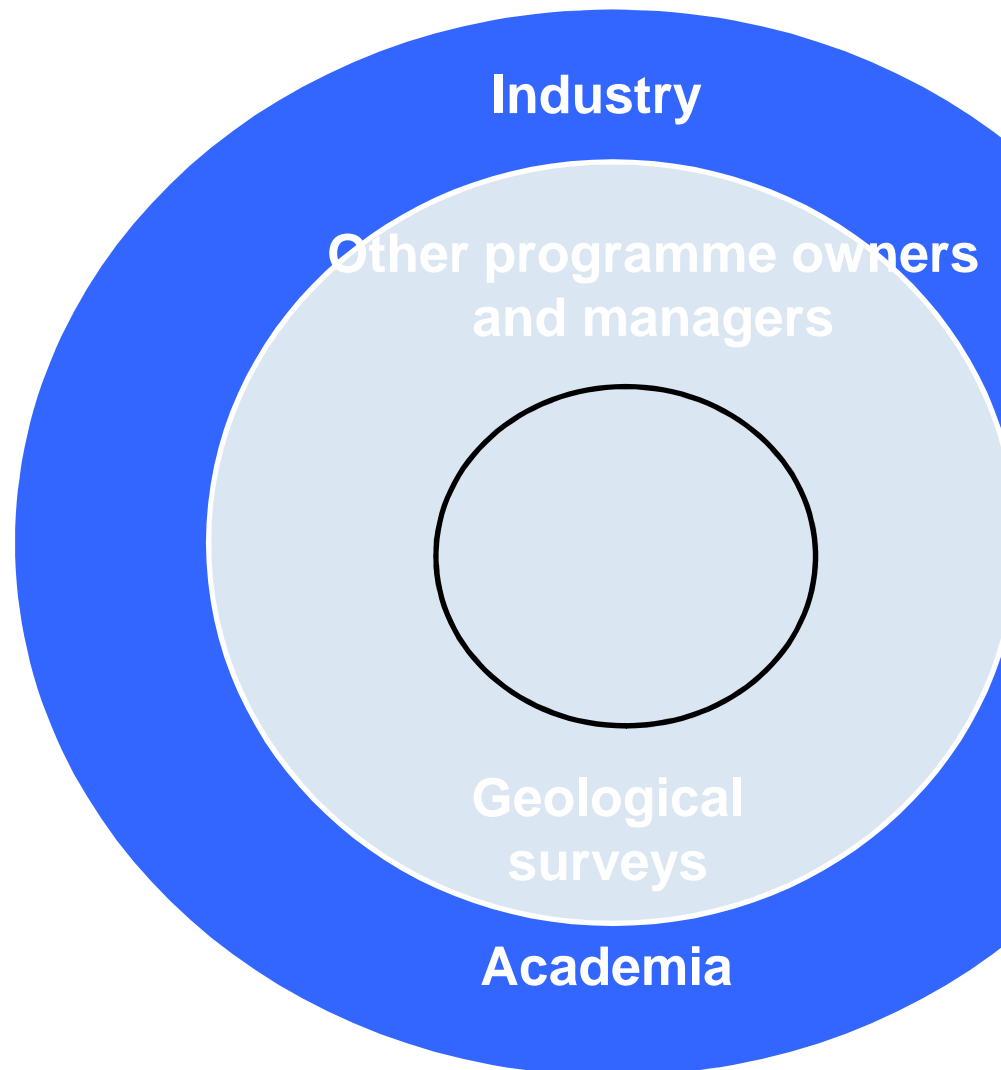
Specific work within the consortium on a volunteer basis

No funding by the EC



ERAMIN

NETWORK ON THE INDUSTRIAL HANDLING  
OF RAW MATERIALS FOR EUROPEAN INDUSTRIES



## Stakeholders Forum

Industry, academia, research organizations, private agencies, etc

Membership Letter available at  
<http://www.era-min-eu.org/documents-page/era-min-documents>

## ERA-MIN objectives

To foster research in the industrial production and supply of mineral products

By creating networks between:

- national research programmes (to reduce fragmentation and duplication);
- European industry, research, education and policy-makers;
- all segments of the raw materials cycle (exploration, mining, recycling, substitution, remediation);



ERA•MIN

NETWORK ON THE INDUSTRIAL HANDLING  
OF RAW MATERIALS FOR EUROPEAN INDUSTRIES



## ERA-MIN activities

- Mapping of the European research community – public & private sectors
- Roadmapping research priorities & common research actions
- Coordinated national research funding programmes (joint calls for proposals; joint workshops, Joint training, Network and mobility, etc)
- Enlargement and International Cooperation (Latin American and Caribbean Countries; African Countries; Australia; Canada; etc)

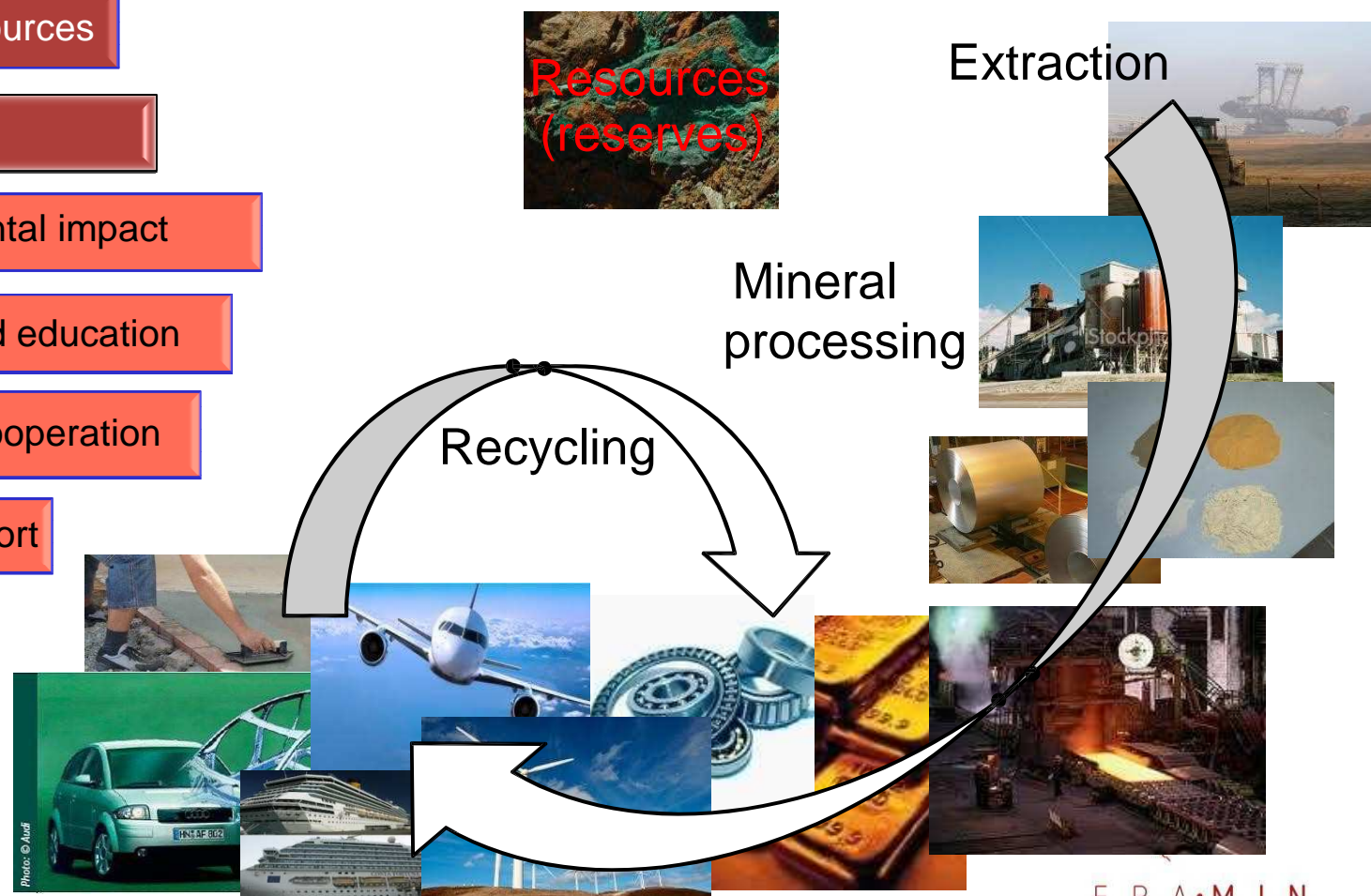
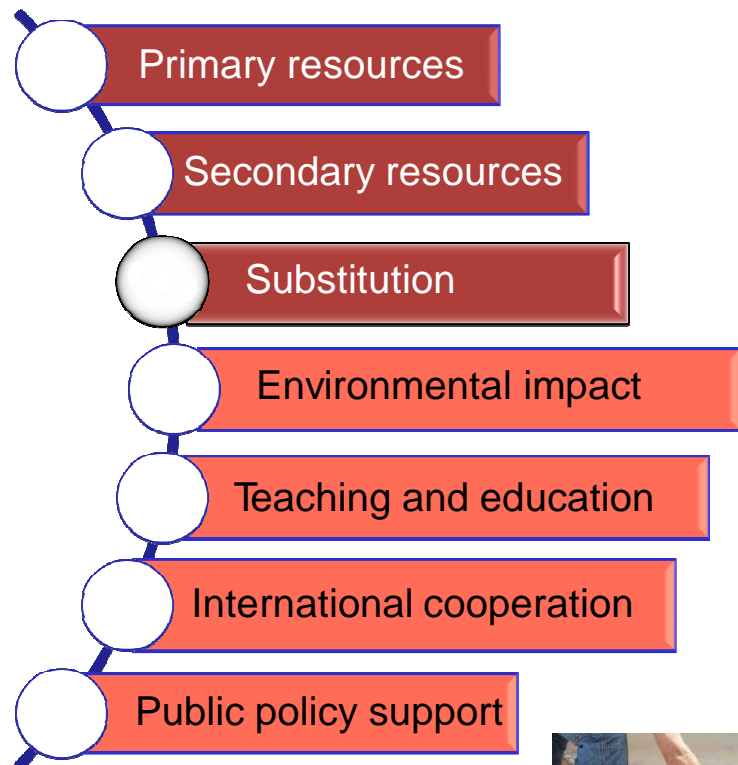


ERA•MIN

NETWORK ON THE INDUSTRIAL HANDLING  
OF RAW MATERIALS FOR EUROPEAN INDUSTRIES

## The ERA-MIN topics

*cover the entire raw materials value chain including exploration, mining, processing, substitution & recycling, and cross-cutting issues*

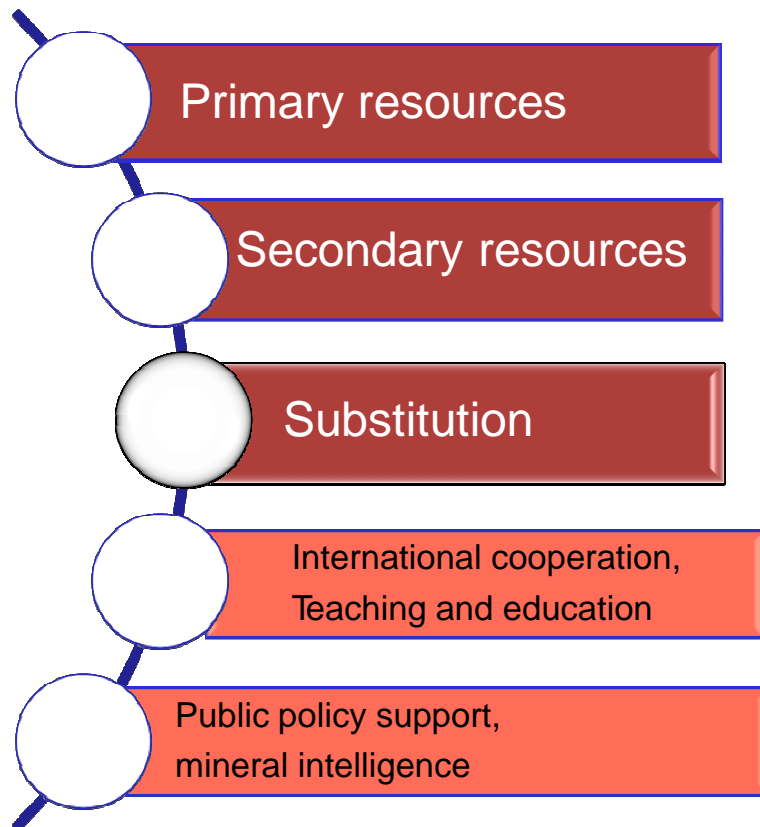


ERA-MIN

NETWORK ON THE INDUSTRIAL HANDLING  
OF RAW MATERIALS FOR EUROPEAN INDUSTRIES

## 10+-years Research Agenda

Scientific and technical challenges to be addressed by future fundamental and applied research – **whole raw materials value chain**



**150 Experts** from *industry, academia, research centres, funding agencies* –

After more than 1 year of hard work –  
final report now approved and  
launched!

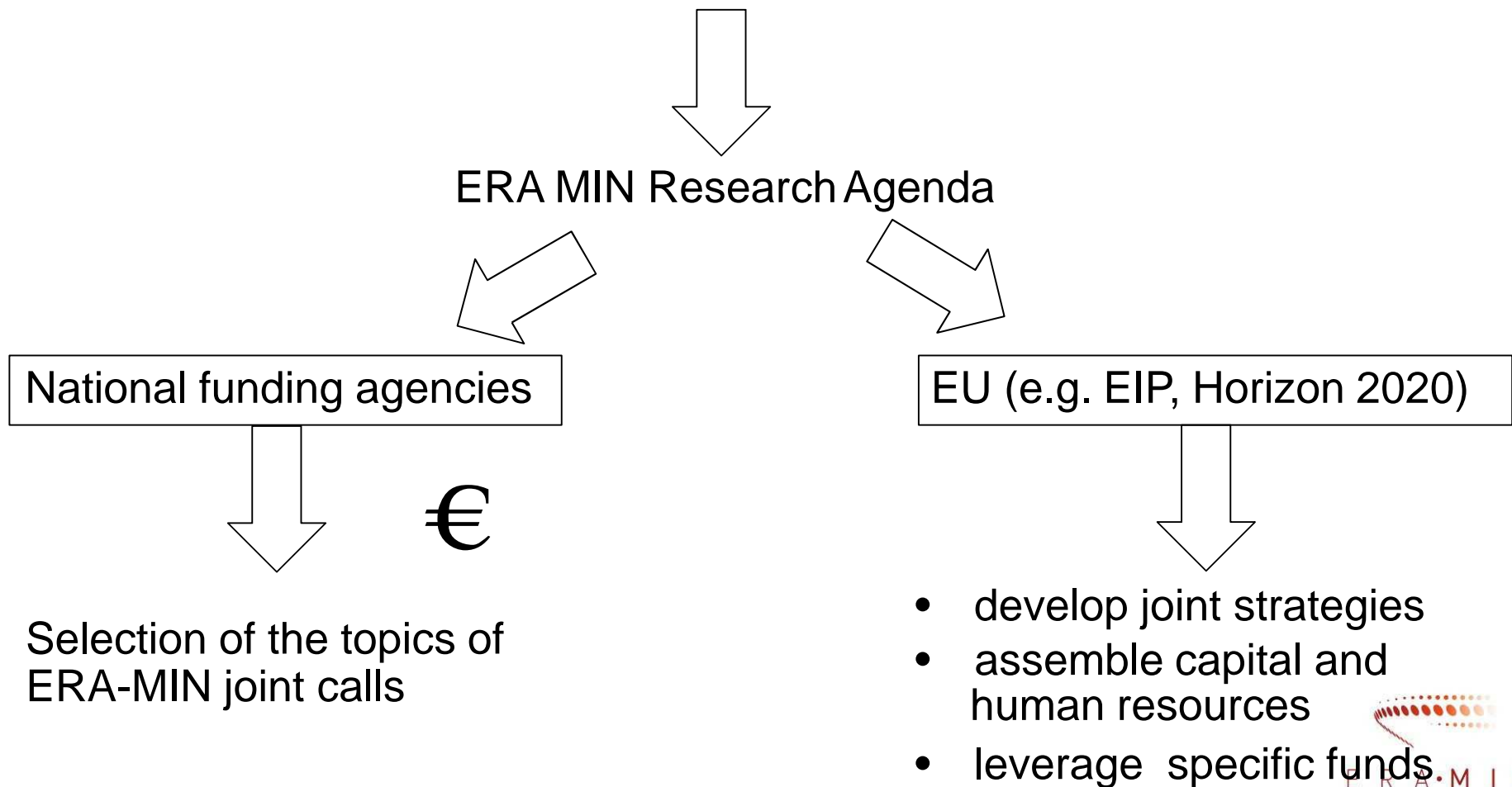


ERA-MIN  
NETWORK ON THE INDUSTRIAL HANDLING  
OF RAW MATERIALS FOR EUROPEAN INDUSTRIES

# ERA-MIN 10-year Research Agenda

The ERA-MIN roadmap is available from the ERA-MIN website:

<http://www.era-min-eu.org/>



# First joint call 2013: Sustainable and responsible supply of (non-energy) **primary resources** **3.9 M€ total budget allocated (national funding)**

## Country participation:

5 ERA-MIN partners  
associate country



## Transnational Call Office:

M2i - Leader Joint calls and CNRS – ERA-MIN coordinator

## Topic areas:

- A. Exploration
- B. Extraction
- C. Mine closure and rehabilitation
- D. Minerals processing
- E. Metallurgy



ERA•MIN

NETWORK ON THE INDUSTRIAL HANDLING  
OF RAW MATERIALS FOR EUROPEAN INDUSTRIES

## First call outcome: 4 selected projects

(out of 18 proposals)

- **MAXI – Mineral Analysis using X-ray Imaging**
- **GEOSULF - Utilization of sulphide mine tailings in geopolymer materials**
- **CELMIN - UTILISATION OF GREEN CHEMICALS IN NON-ENERGY EXTRACTIVE INDUSTRIES: Preparation of modified nanofibrillar celluloses (NFC) for flotation, flocculation and dewatering, and water purification in mining industry**
- **SUSMIN - Tools for sustainable gold mining in EU**

Project summaries are available here: <http://www.era-min-eu.org/news/108-4-projects-receive-funding-from-era-min-pilot-calls>



ERA-MIN

NETWORK ON THE INDUSTRIAL HANDLING  
OF RAW MATERIALS FOR EUROPEAN INDUSTRIES



## Second (2014) Joint Call in ERA-MIN

- ERA-MIN Governing Board decided to launch its second call:
  - Larger participation 9-15 countries → increased budget (approx. 7 Meuros)
  - Broader scope – All ERA-MIN topics: primary resources, secondary resources/recycling and substitution (« Sustainable Supply of Raw materials »)
  - A Brokerage Event will be held at the annual ERA-MIN Stakeholders Event March 25th-27th in Budapest
- Call information is available on the ERA-MIN website
  - Launch of the call : end of March 2014
  - Topics will primarily be from the Roadmap/Research Agenda available on the ERA-Min website



ERA•MIN

NETWORK ON THE INDUSTRIAL HANDLING  
OF RAW MATERIALS FOR EUROPEAN INDUSTRIES



# ERA•MIN

---

NETWORK ON THE INDUSTRIAL HANDLING  
OF RAW MATERIALS FOR EUROPEAN INDUSTRIES

**COORDINATOR: Olivier Vidal, CNRS, [olivier.vidal@ujf-grenoble.fr](mailto:olivier.vidal@ujf-grenoble.fr)**

**PROGRAMME MANAGER: Elisabeth Kohler, CNRS, [elisabeth.kohler@cnrs-dir.fr](mailto:elisabeth.kohler@cnrs-dir.fr)**

**International Cooperation Leader: Dina Carrilho, FCT, [dina.carrilho@fct.pt](mailto:dina.carrilho@fct.pt)**

**[www.era-min-eu.org](http://www.era-min-eu.org)**

**THANK YOU VERY MUCH !**

**MUCHAS GRACIAS !**

**MUITO OBRIGADO !**



**ERAMIN**

NETWORK ON THE INDUSTRIAL HANDLING  
OF RAW MATERIALS FOR EUROPEAN INDUSTRIES