

## PROJECT COORDINATOR

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## CONSORTIUM

Council for Scientific and Industrial Research (CSIR) / South Africa  
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University of Exeter (UNEXE) / United Kingdom  
[www.exeter.ac.uk](http://www.exeter.ac.uk)  
Fraunhofer Gesellschaft zur Förderung der angewandten Forschung e.V. (Fraunhofer) / Germany  
[www.fraunhofer.de](http://www.fraunhofer.de)  
Fundação para a Ciência e a Tecnologia (FCT) / Portugal  
[www.fct.pt](http://www.fct.pt)  
Associação Portuguesa dos Industriais de Mármore, Granitos e Ramos Afins (Assimagra) / Portugal  
<http://assimagra.pt>  
ATSE – Academy of Technological Sciences and Engineering / Australia  
[www.atse.org.au](http://www.atse.org.au)  
Geological Survey of Slovenia / Slovenia  
[www.geo-zs.si](http://www.geo-zs.si)  
La Palma Research S.L. (LPRC) / Spain  
[www.lapalmacentre.eu](http://www.lapalmacentre.eu)  
University of Miskolc (MU) / Hungary  
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Pan-European Reserves & Resources Reporting Committee (PERC) / Belgium  
[www.percstandard.eu](http://www.percstandard.eu)  
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[www.minpol.com](http://www.minpol.com)  
Recifemetal - Reciclagem de Ferros e Metais S.A. (Recifemetal) / Portugal  
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Resources Computing International Ltd. (RCI) / UK  
[www.resourcescomputing.com](http://www.resourcescomputing.com)  
American Geosciences Institute (AGI) / USA  
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More information:  
[www.intraw.eu](http://www.intraw.eu)

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## EFG THIRD PARTIES

### National Association members of EFG

Belgo-Luxembourg Union of Geologists / Belgium/Luxembourg  
Croatian Geological Society / Croatia  
Czech Association of Geologists / Czech Republic  
Finnish Union of Environmental Professionals / Finland  
French Geological Society / France  
Professional Association of German Geoscientists / Germany  
Hungarian Geological Society / Hungary  
Institute of Geologists of Ireland / Ireland  
Italian National Council of Geologists / Italy  
Royal Geological and Mining Society of the Netherlands / the Netherlands  
Polish Association of Minerals Asset Valuers Country / Poland  
Association of Portuguese Geologists / Portugal  
Serbian Geological Society / Serbia  
Official Spanish Association of Professional Geologists / Spain  
Geological Section of the Swedish Association of Scientists / Sweden  
Swiss Association of Geologists / Switzerland  
Ukrainian Association of Geologists / Ukraine  
Geological Society of London / United Kingdom

### EFG International Counterparts

American Institute of Professional Geologists / USA  
Australian Institute of Geoscientists / Australia  
Geological Society of South Africa / South Africa  
Geoscientists Canada / Canada



Fostering  
international  
raw materials  
cooperation





## OUR OBJECTIVES

The INTRAW project has been formulated with the objective of mapping best practices and boosting cooperation opportunities on raw materials with technologically advanced non-EU countries (Australia, Canada, Japan, South Africa and the United States) in response to similar global challenges.

The project will address:

- Research and innovation;
- Raw materials policies and strategies;
- Joint educational and skills programmes;
- Licensing and permitting procedures, royalties and tax policies;
- Data reporting systems;
- Exploration, extraction, processing and recycling practices;
- Management and substitution of Critical Raw Materials.

The ultimate goal is to set up and launch the **European Union's International Observatory for Raw Materials** as a definitive raw materials intelligence infrastructure. As a permanent international body, the Observatory will aim after the project completion for the establishment and maintenance of strong long-term relationships with the world's key players in raw materials technology and scientific developments. Its core activities will be to monitor continuously cooperation possibilities and to promote these through funding schemes and incentives between the EU and other technologically advanced countries.

*INTRAW will play a key role in the alignment of the R&I activities among the EU countries, boosting synergies with international research and innovation programmes, and reinforcing the European role and scientific capabilities for the sustainable access and supply of raw materials for EU industry in line with the European Innovation Partnership (EIP) on Raw Materials.*

In the last decade, a structural change has taken place in global mineral markets and the global demand for raw materials stands at the bottom of a new growth curve. In this perspective, safeguarding the domestic minerals supply will be challenging for the European Union and all other technologically advanced countries to ensure economic sustainability and to improve our quality of life.

In this sense, the European Commission's communication **"The raw materials initiative - meeting our critical needs for growth and jobs in Europe"** (November 2008) recognises the need to address the raw materials issue at a high political level to ensure future security of supply for Europe.

The European Union's overall growth strategy **"Europe 2020"** (2010) outlines the EU's aim to develop into a smart, sustainable and inclusive economy. In this context, seven so-called flagship initiatives were presented as new engines to boost growth and jobs. Two of these initiatives are particularly relevant for the INTRAW project:

- The core message of **"An Industrial Policy for the Globalisation Era"** is that industry must be placed centre stage if Europe is to remain a global economic leader. Only a European Raw Materials Policy targeting competitiveness and sustainability on an international level can muster the critical mass of change and coordination needed for success.
- **"A resource-efficient Europe"** intends to support the shift towards a resource-efficient, low-carbon economy to achieve sustainable growth. Europe needs technological improvements and significant changes in the fields of raw materials research, recycling, energy, industrial production and transport systems.

In addition, the European Commission established in 2010 the European Innovation Partnerships (EIPs). An **EIP on Raw Materials** was set up in 2012 to promote research and innovation along the entire value chain of raw materials.



## WHY INTRAW?



## OUR APPROACH

INTRAW is an international consortium of 15 partners with extensive experience in research, innovation, education, industry, trade and international networking covering the entire raw materials value chain. The project partners will be actively supported by three Panels of Experts on "Research & Innovation", "Education & Outreach" and "Industry & Trade". Through EFG's third parties that represent the members of professional geosciences organisations in 18 European countries, the USA, Australia, South Africa and Canada, a broad network of more than 450.000 geoscientists will further leverage the project.

In the first project year the partners will map the contextual environment of the target countries (Australia, Canada, Japan, South Africa and the United States) against the contextual environment of the European Union. This will lead to a better understanding of best practices in the raw materials value chain. In addition, the corresponding policies and practices of each of these domains will be mapped and compared to their European counterparts. Based on best practices identified in the target countries, cooperation strategies will be developed in the second project year. Special attention will be given to communication methods and tools, regular and systematic market monitoring, export-import policies, foreign cooperation, taxation incentive programmes, research/ industry cooperation, geological data availability and reporting and skills training. Towards the end of the project, the European Union's International Observatory for Raw Materials will be launched as a permanent body to continue as an independent entity after the project's end.

INTRAW will:

- Enhance the EU's scientific capabilities in the raw materials area in the mid-term and long-term;
- Promote evidence-based policies and appropriate, cost-effective management, planning and adaptation decisions by the public sector;
- Contribute to the transparency and harmonization of mineral policies all over the EU;
- Enable a better alignment of the R&I activities among the EU research facilities and universities, boosting synergies with international research and innovation programmes;
- Benefit the EU industry conditions for sustainable access and supply of raw materials (within the EU); and
- Foster a stable and synergetic cooperation with technologically advanced countries.

The services offered by the International Observatory for Raw Materials will include:

- A comprehensive database on cooperation opportunities between EU/individual EU members and international cooperation countries;
- Industry-financed grants and other research cooperation activities;
- Information on events relevant for international cooperation on raw materials;
- Communication activities towards the active development of R&I activities between the EU, individual EU member and technologically advanced countries.



## EXPECTED IMPACT