



The Mining Company Vision

EUROPE 2020

A European strategy for smart, sustainable and inclusive growth



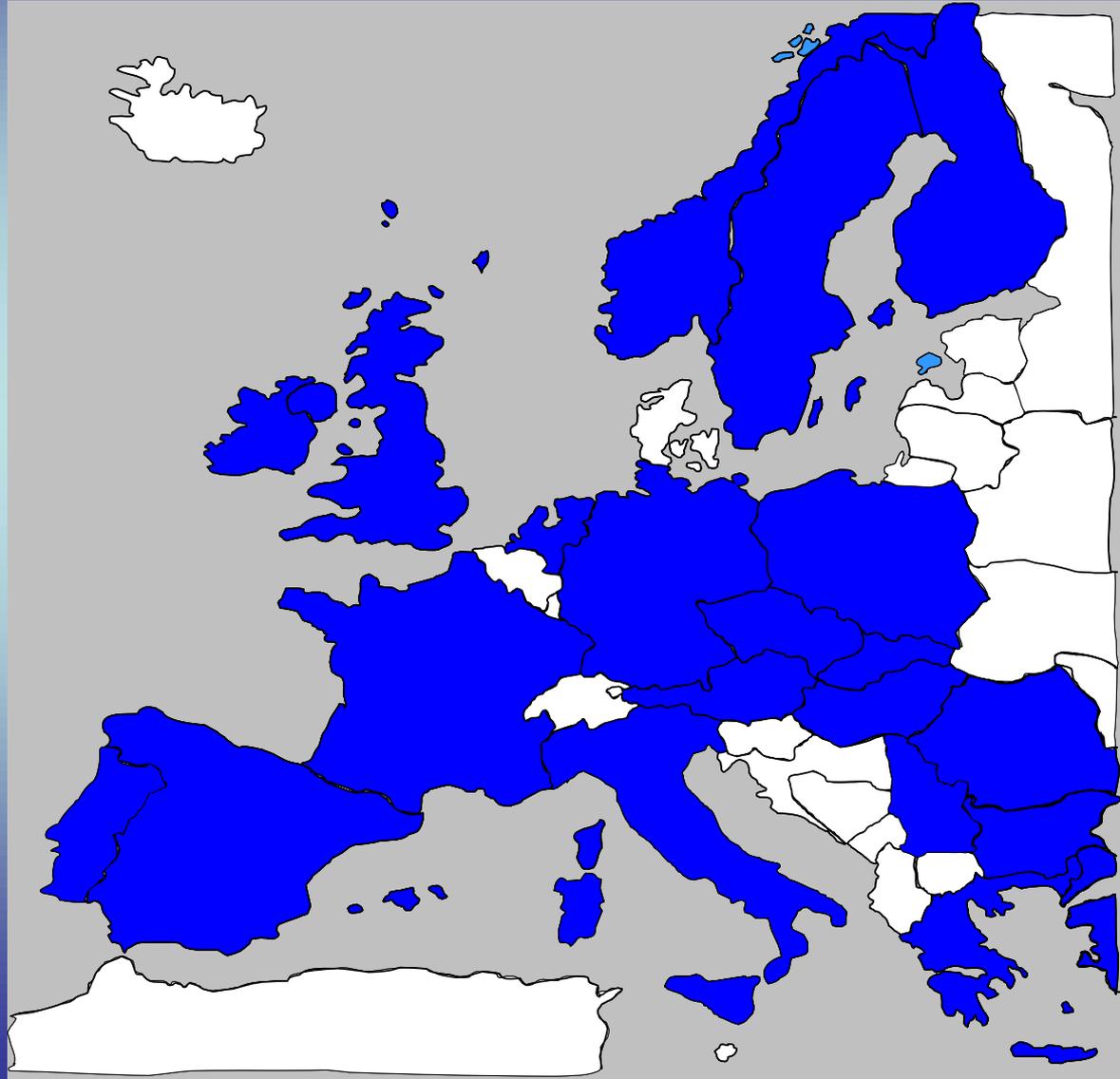
Corina Hebestreit
Director



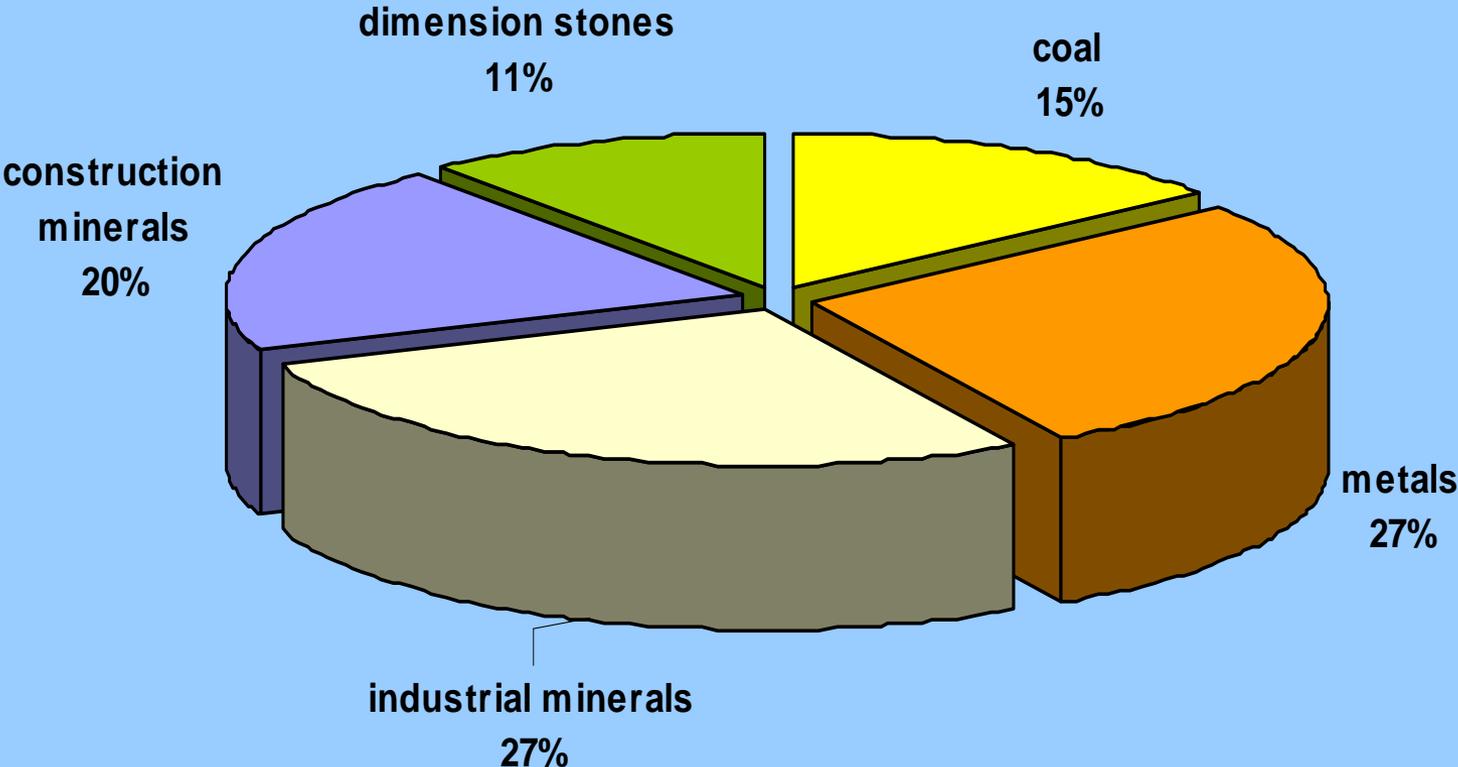
Euromines Membership: 42 different metals and minerals, 350 000 people

Countries represented

- Austria
- Bulgaria
- Czech Rep.
- Finland
- France
- Germany
- Greece
- Hungary
- Ireland
- Netherlands
- Norway
- Poland
- Romania
- Slovakia
- Spain
- Sweden
- Turkey
- UK



Percentage of different minerals represented in Euromines (EU 25 +3)



Underpinning the EU's industrial policy

- ***Five measurable EU targets for 2020***
 - ***for employment;***
 - ***for research and innovation;***
 - ***for climate change and energy;***
 - ***for education; and***
 - ***for combating poverty.***

Europe 2020 puts forward three mutually reinforcing priorities

- **Smart growth**: developing an economy based on knowledge and innovation.
- **Sustainable growth**: promoting a more resource efficient, greener and more competitive economy.
- **Inclusive growth**: fostering a high-employment economy delivering social and territorial cohesion.

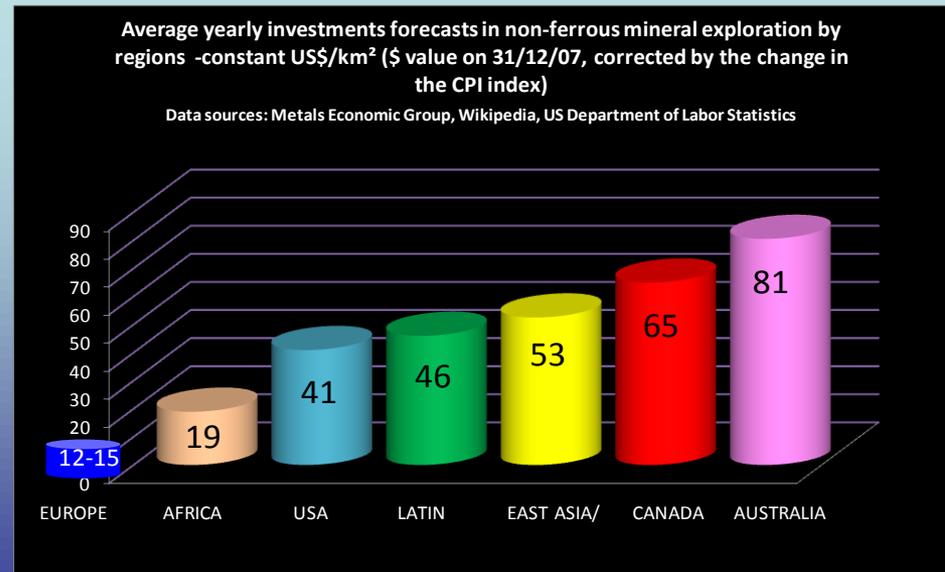
The extractive industry can contribute substantially to these goals.

Key elements of 2nd pillar of the RMI



1. *Addressing availability*
2. *Addressing accessibility*
3. *Addressing efficiency and sustainability*

Commissioner
Verheugen: “We are
committed to improve the
conditions of access to
raw materials, be it
within Europe or by
creating a level playing
field in accessing such
materials from abroad.”



RMI: Increase EU's knowledge base (pillar 2)

- Improve the **knowledge base** of mineral deposits within the EU. **Encourage new exploration and data gathering with new methods**
- Encourage **better networking between the national geological surveys** to:
 - **facilitate the exchange of information;**
 - **improve the interoperability and dissemination of data;**
 - **particular attention to the needs of SMEs.**



Geological data and data infrastructure needs

- From a company perspective
 - For exploration
 - For operation
 - For investment
- From a policy maker's point of view
 - Local, regional, national, European
 - As an overview
 - As an input for other policies, land-planning, environmental, etc.

Projects ongoing

For exploration and investment

- **PROMINE** (Nano-particle products from new mineral resources in Europe” 2009-2013)
 - Pan-European mineral resource potential modelling
 - 4D modelling of mineralised belts
- **AEGOS** (African-European Georesources Observation System)

For policies

- **EO-Miner**
 - Earth Observation for Monitoring and Observing Environmental and Societal Impacts of Mineral Resources Exploration and Exploitation
- **SARMa** – Sustainable aggregates resource management

OneGeology-Europe

Results of the project / 1

The results of the project are:

- an interoperable geology spatial dataset at **1:1 million scale** for all EU;
- a scientific and informatics specification for the harmonisation of geological data and significant progress towards a harmonised dataset;
- a view service providing access to best practice high resolution geological spatial data services for **6 Member States**;
- 2-4 case studies on cross-border delivery of harmonised high resolution data access;
- multilingual discovery **metadata** for all data provider participants' geological and applied map data;





6 key elements

- **Minerals policies and implementation of existing EU and national legislation – identification of gaps and closing them**
- **Refinement of existing legislation – anticipating change and adjustment**
- **Support through standards and best practices in the industry and authorities**
- **Research and innovation: EIP**
- **Capacity building in industry and authorities**
- **Investment in education and training**

Vehicle: EIP Securing Sustainable supply of Raw Materials for the EU

Objective

- **The aim is to ensure a secure supply and achieve efficient and sustainable management and use of raw materials along the entire value chain in Europe.**

Characterised by

- A strong research component
- Demonstration, pilots and large scale trials
- Supported by EU and national instruments such as structural funds, European Investment Bank and national or European innovation funds.
- Bringing together and forging an active and sustained commitment of all Europe's major players concerned

Vision for 2020 and beyond

- **By 2012**

- launch of the EIP on Raw Materials: research into new and more resource efficient resource access and management; review of regulatory requirements
- Complete database by MS on old mine waste sites (EU Mine Waste Directive)
- EU Standard methodology for prioritisation and economic assessment of such deposits



- **By 2015**

- all Member States have new or revised Mineral Policies in place
- All MS Land-planning policies include references to extractable mineral deposits
- Revision of BAT note on mine waste management includes guidance on reprocessing of old waste deposits



Vision for 2020 and beyond

- **By 2020**
 - Complete modern database and economic assessment of EU primary and secondary resources
 - Revised regulatory framework facilitating sustainable management of resources and uptake of innovation
 - EU Leadership in technology for all aspects of resource management (exploration, extraction, processing, re-processing, reuse, recycling, recovery, design, ...)
 - EU resource diversification
- **By 2030**
 - High tech mines in place in Europe
 - Technology proven and being exported
 - Optimised valorisation of available resources, i.e.
 - new technologies in place,
 - removal of legacy sites,
 - increased reuse, recovery and recycling rates,
 - material efficiency use in higher performance products

What would be ideal?

- In each country a cooperation platform between the Geological Survey , the Ministry, the national mining association and the companies in order to identify the most pressing issues to advance
 - the minerals policy,
 - the land-planning policies,
 - exploration and investments,
 - the remediation policies.

We got the political support,
now we need to make it
happen!

Thank you for your
attention.

