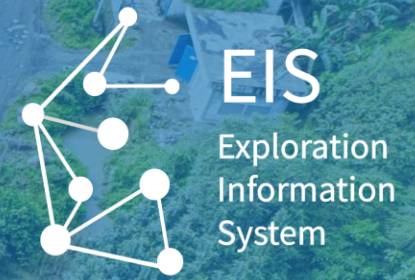


EIS Final Event:

Shaping the Future of Sustainable Mineral Exploration



Funded by
the European Union

13:30 – 14:30 Panel

Encouraging exploration across
mining regions in Europe

Encouraging exploration across mining regions in Europe

11:00 – 12:30



Moderator
Vesa Nykänen
(GTK)



Luís Martins
(S3P Mining Regions)



Katarina Nilsson
(ETP-SMR)



Julie Hollis
(EuroGeoSurveys: GSEU)



Saku Vuori
(GTK)



Panel: Encouraging Exploration Across Mining Regions in Europe

Opening Remarks



EIS Final Event, Brussels, October 7, 2025
Vesa Nykänen, GTK



Funded by
the European Union

EIS project and mineral exploration in Europe



Encouraging Exploration Across Mining Regions in Europe

- How we can strengthen regional exploration efforts across Europe
 - Through collaboration, innovation, and shared platforms
- Mineral systems libraries on critical raw material related systems
 - EIS could potentially provide a platform for this as well as tools for mapping the critical raw material potential within the EU
- Open-source tools available for
 - Academia: Education
 - Research & Innovation: Further development of the tools
 - Industry: Mining companies, junior mining companies, service providers



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the European Union

Luís Martins



Cluster Portugal Mineral Resources

- President of the Cluster Portugal Mineral Resources
- President & CEO of Fairchild Gold Corp.
- Director at CAT Strategic Metals & General European Strategic Investments Inc.
- 40 years of experience in exploration & mining sector
- MSc in Economic Geology, University of Lisbon
- Former Director at Geological Survey & Mining Authority, Portugal
- Coordinator of national & EU research projects
- Active in several EC working groups
- Published >100 peer reviewed scientific papers



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the European Union

Katarina Nilsson



SVEMIN, ETP SMR

- Director of Research & Innovation at the Swedish Association of Mines, Minerals and Metal Producers (Svemin)
- President of European Technology Platform on Sustainable Mineral Resources (ETP SMR) since 2022
- Former Senior Adviser on mineral policy, Government Offices of Sweden
- Former State Geologist at SGU
- PhD in Geodynamics, Uppsala University
- Background in mineral exploration & structural geology of mineral deposits



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Julie Hollis



EuroGeoSurveys

- Secretary General of EuroGeoSurveys
- Over 20 years in leadership roles in government geoscience for geologic survey organizations in Australia, Denmark, Greenland & Belgium
- Background in regional geological mapping
- PhD in Geology & MSc in Science Communication and Public Engagement, University of Edinburgh
- Leads the vision for a **Geological Service for Europe**
 - delivering continental-scale geoscientific data & knowledge



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the European Union

Saku Vuori



Geological Survey of Finland, GTK

- Director of Science and Innovations, GTK
- Over 20 years in geoscientific & managerial roles at GTK
- CEO of Finnish Steel and Metal Producers (Q3/2023–Q3/2025) during leave from GTK
- Expert advisor to Finnish ministries on mineral sector policy
- Active contributor to national mineral strategy and innovation



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<https://eis-he.eu>

Thank you!



Vesa Nykänen



GTK



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www.eis-he.eu



EIS

Exploration
Information
System



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the European Union

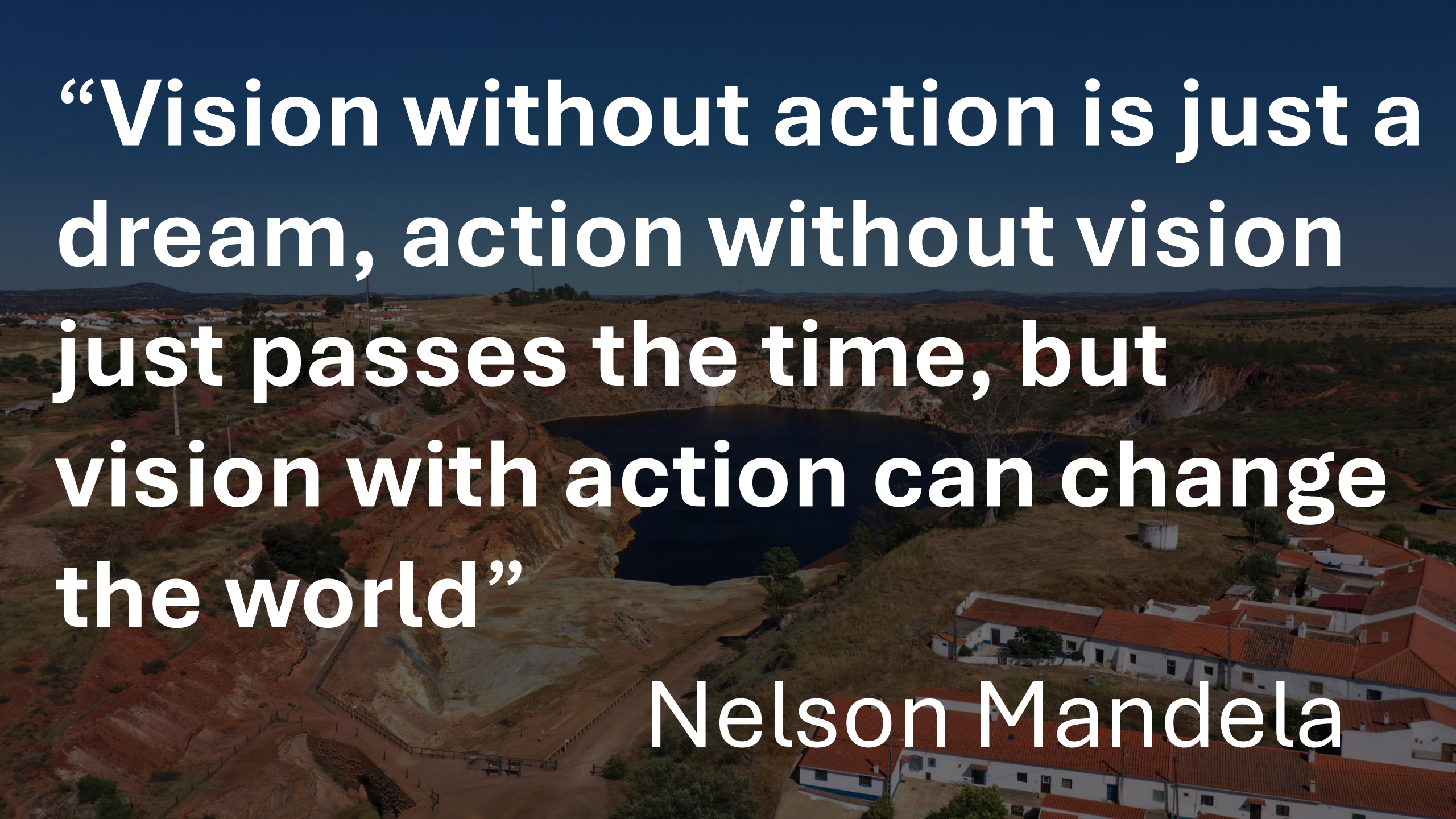


Luís Martins

Thematic Smart Specialisation Partnership on Mining
(S3P Mining Regions)

**Panel: Encouraging exploration across mining
regions in Europe**

13:30 – 14:30



“Vision without action is just a dream, action without vision just passes the time, but vision with action can change the world”

Nelson Mandela

Katarina Nilsson

ETP-SMR (European Technology Platform on Sustainable Mineral Resources)



Panel: Encouraging exploration across mining regions in Europe

13:30 – 14:30



ETP SMR

European Technology Platform on Sustainable Mineral Resources

**EIS Final Event – Encouraging
exploration across mining regions in
Europe**

Katarina Nilsson
Director R&I Svemin &
President ETP SMR

www.etpsmr.org



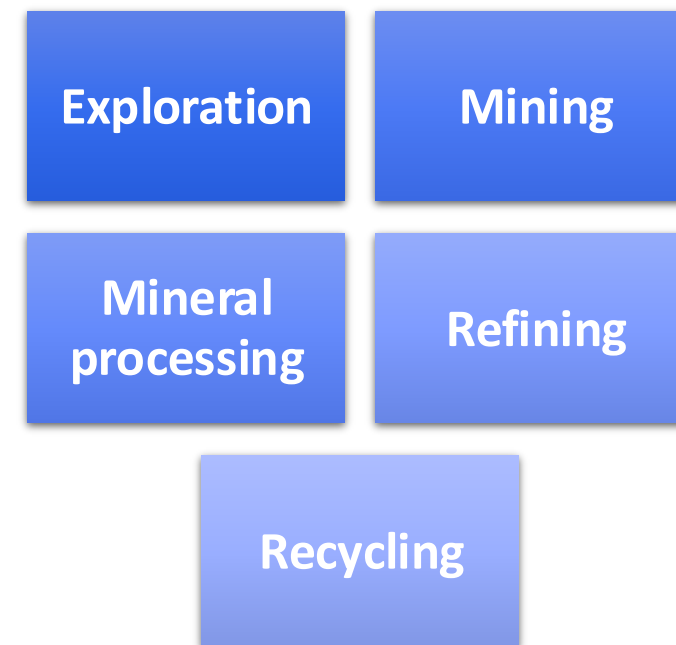
ETP SMR - What is it?

The **European Technology Platform on Sustainable Mineral Resources** (ETP SMR) is an association of entities operating in the **Mineral Resources R&I sector across the whole value chain.**

Launched in 2005 and received official recognition by the EU-commission in 2008.

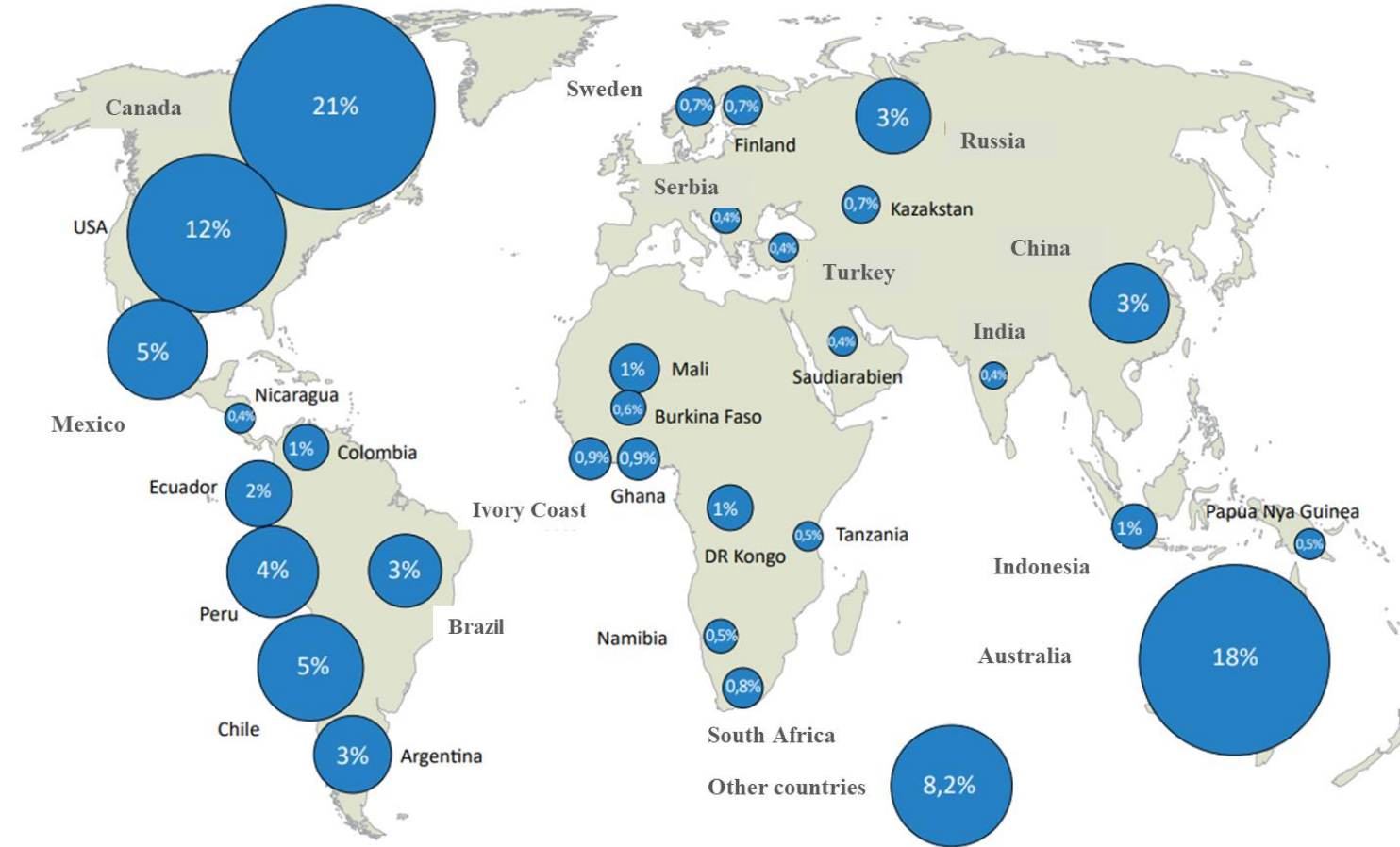
Created to secure R&I funding for the raw materials sector and **increase collaboration** within the EU – **building critical mass and reducing fragmentation** within the EU – but also to boost international partnerships

ETP SMR gives input to EU-commission on R&I needs



EU – we got a problem!

Share of exploration investments (non-ferrous metals) – less than 2 percent to EU Member States



Source: Geological Survey of Sweden, Bergverksstatistik 2022

No new mines without exploration!

- MS Exploration programs – yes! More precompetitive data is key
- Rebuild EU's skills base – secure dedicated funding to MSc programs
- Strengthen international collaboration
- Utilise coming R&I programs, such as RAMP, to boost collaboration between MS Exploration programs, academia and industry
- Use ETP SMR to raise your voice on R&I needs,
- Policy framework/permitting

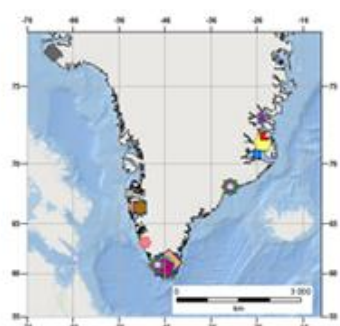


Julie Hollis

EuroGeoSurveys: GSEU(Geological Service for Europe)

Panel: Encouraging exploration across mining regions in Europe

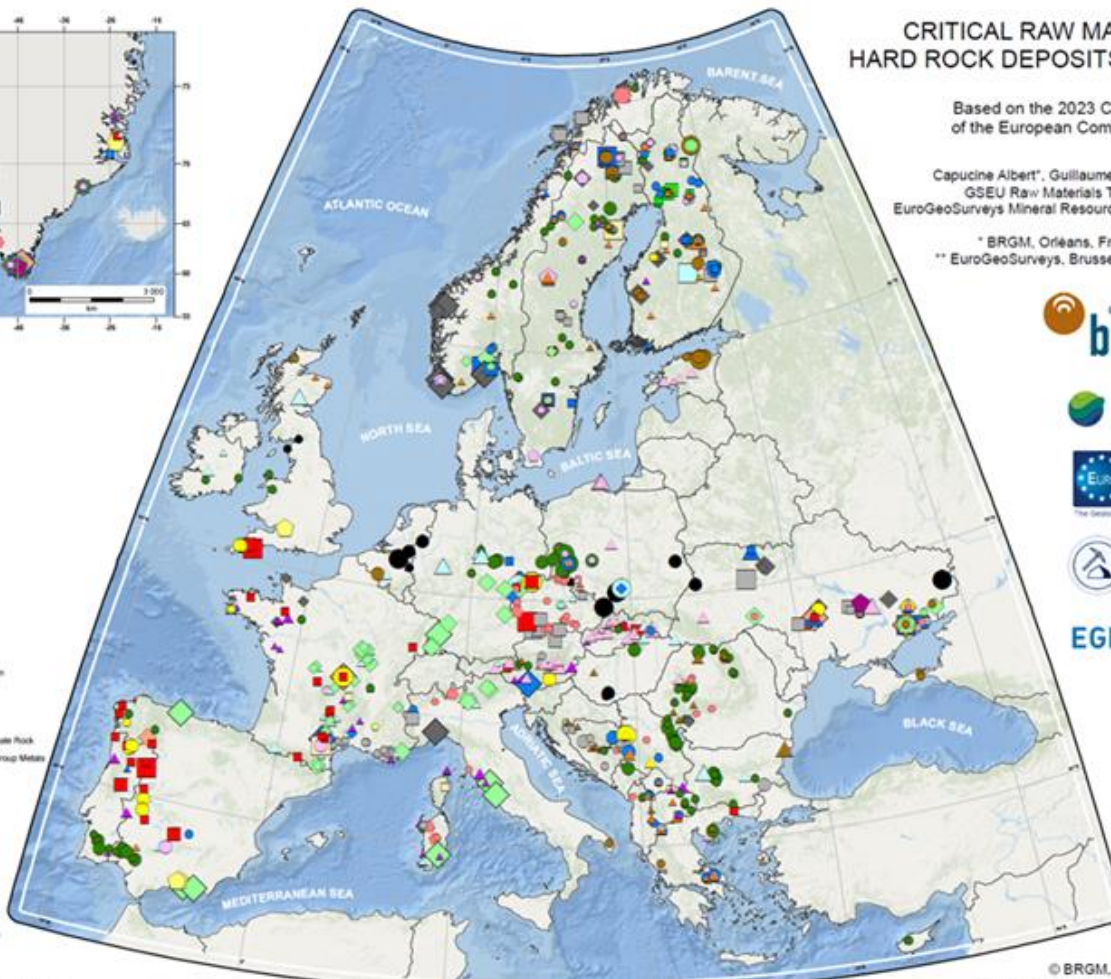
13:30 – 14:30



- Commodity**
- Aluminium
 - Antimony
 - Arsenic
 - Baite
 - Beryllium
 - Bismuth
 - Borate
 - Cobalt
 - Coking Coal
 - Copper
 - Fluorapatite
 - Fluorite
 - Gallium
 - Germanium
 - Graphite
 - Hafram
 - Lithium
 - Magnesium
 - Manganese
 - Nickel
 - Niobium
 - Phosphoric Acid, Phosphate Rock
 - Platinum, Platinum Group Metals
 - Rare Earth Elements
 - Scandium
 - Strontium
 - Tantalum
 - Titanium
 - Vanadium
 - Tungsten

- Deposit Size ***
- Class A (Super Large)
 - Class B (Large)
 - Class C (Medium)

* Remaining = extracted amount of the commodity



CRITICAL RAW MATERIALS HARD ROCK DEPOSITS OF EUROPE

Based on the 2023 CRM list
of the European Commission

Capucine Albert*, Guillaume Bertrand*,
GSEU Raw Materials Team &
EuroGeoSurveys Mineral Resources Expert Group**

* BRGM, Orléans, France

** EuroGeoSurveys, Brussels, Belgium



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The designation of Kosovo is without prejudice to positions on status,
and is in line with UNSCR 1244/1999 and the ICJ Opinion on the Kosovo declaration of independence.



The Geological Surveys of Europe

Develop
national
exploration
programmes



Strengthen knowledge of domestic CRM resources and potential and investment in exploration and mining



Characterize and report mine waste with CRM potential



Monitor and report CRM data and activities from production, processing, and recycling

A Geological Service for Europe



Saku Vuori (GTK)

Science & Innovations (Finland)

Panel: Encouraging exploration across mining regions in Europe

13:30 – 14:30

Encouraging Exploration – Food for thought



GTK as an Enabler



Room for Discoveries



Strong Downstream Industry



EU Recyclables – Where Will They Go?

Discussion & Q&A

Encouraging exploration across mining regions in Europe

11:00 – 12:30



Moderator
Vesa Nykänen
(GTK)



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