

GeoERA Raw Materials

Unlocking Europe's Raw Material Potential



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 731166

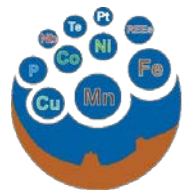


What is
GeoERA
RAW MATERIALS



1SP

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MINDeSEA
Seabed Mineral Deposits in European Seas
Metallogeny and Geological Potential for
Strategic and Critical Raw Materials



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FRAME
FORECASTING AND ASSESSING EUROPE'S
STRATEGIC RAW MATERIALS NEEDS

<https://geoera.eu/themes/raw-materials/>



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- Assists in identifying high potential areas that may add to responsible sourcing and supply within Europe.
- Feeds into the European Green Deal (COM 2019 640 final) Policy and its underpinning strategies to meet the UN Sustainable Development Goals, e.g.
 - the New Industrial Strategy (COM 2020 102 final) and
 - the Strategy for Data (COM 2020 66 final)
 - Critical Raw Material Resilience (COM 2020 474 final) and the European Battery Alliance
 - EU Regulation 2017/821 on Responsible Sourcing



- **Model developments, including**
 - non commercial value assessments in view of cultural heritage;
 - showcases on common standards
- **Database and repositories, including atlas.**



Non-economic value assessment

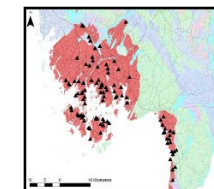


Table 1. Proposed statement of significance for the Iddefjord quarry landscape.

Concept	Local	Regional	National	International
Socially constructed			X?	
Contact				X
Associated historic			X	?
Dynamic		X		

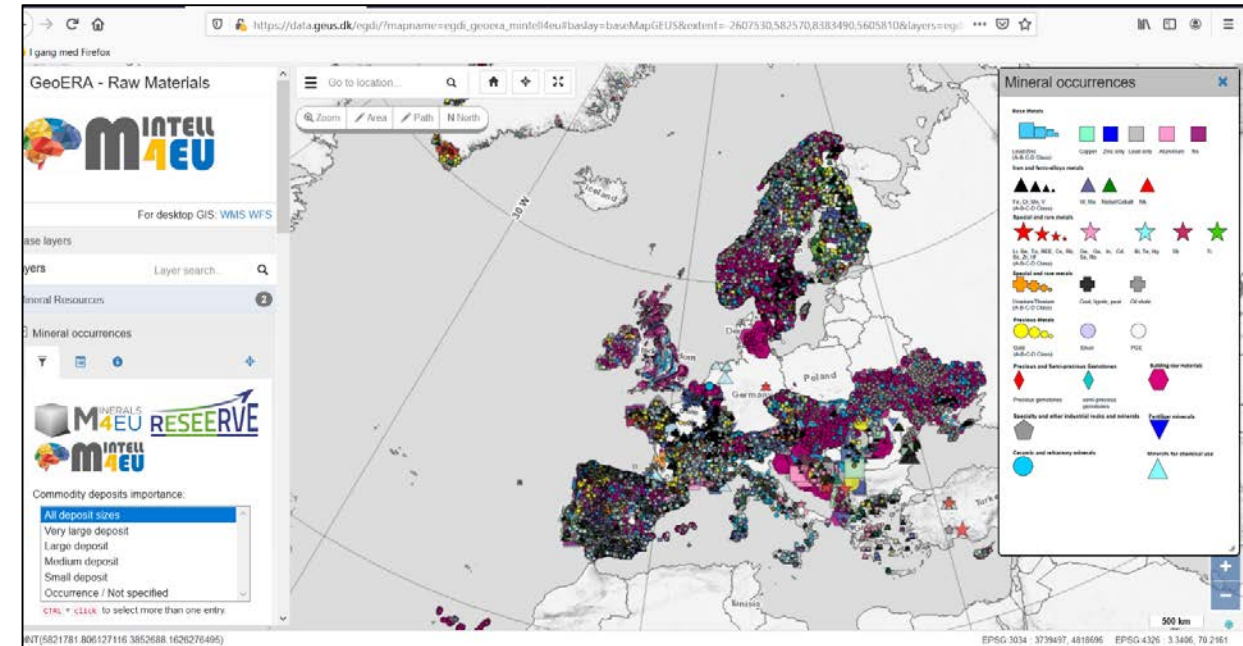


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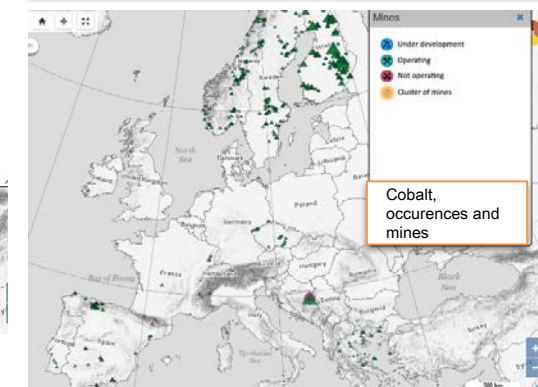
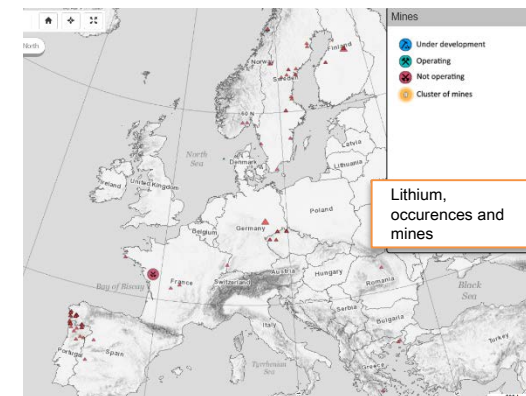


From national or regional to pan-European database:

- Harmonization, increased spatial coverage, INSPIRE standards
- Test cases on UNFC
- Minerals Inventory (occurrences, occurrence areas, mines etc.)
- Minerals Yearbook (trade statistics, resources/reserves and exploitation)
- Historic mining sites with touristic interests
- All displayed at the European Geological Data Infrastructure (EGDI)

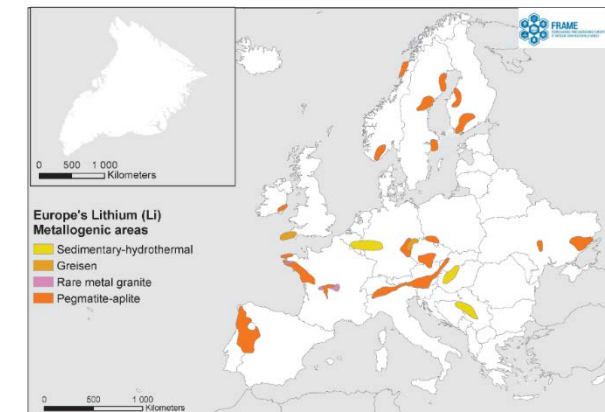
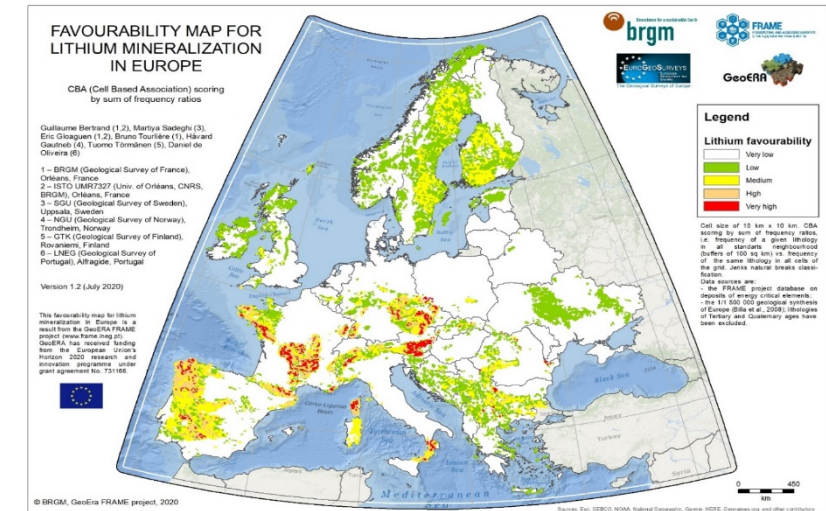


EGDI: www.europe-geology.eu



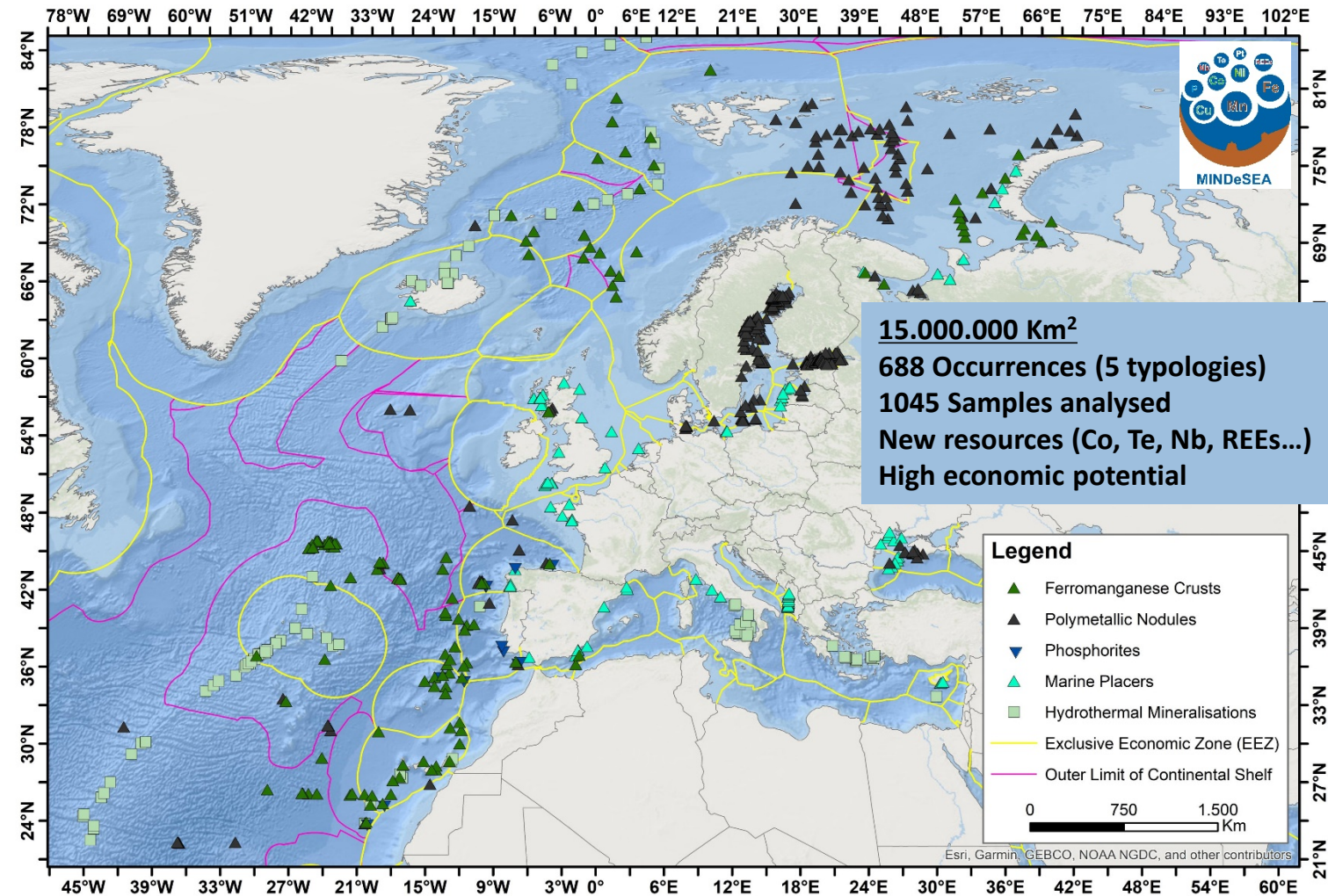
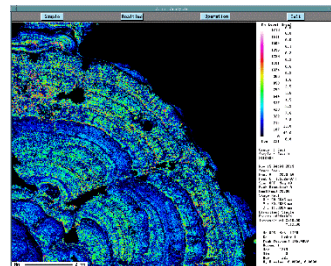
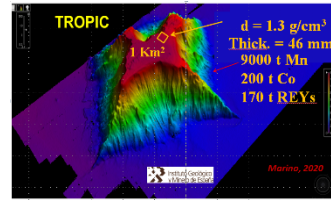
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- Method and model development
- Assessment of strategic and Critical Raw Material potential, including
 - responsible sourcing potential in Europe
 - Common sense on standards, including showcases on UNFC;
 - Potential of residuals in historical mining sites



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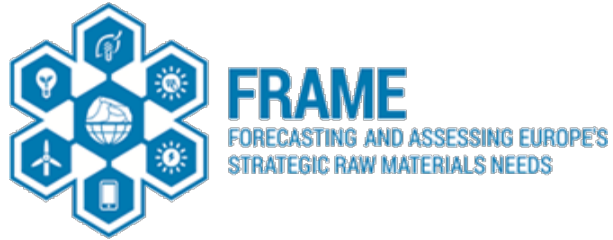
- Method and model development
- Assessing CRM potential in European Seas
- Pan-European map on seabed mineral deposits



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 EEZ limits based on: Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 1.0.0.0. ECS limits based on: <http://continentalshelf.org/onestopdatashop/6350.a>



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