

UNFC and UNRMS in the spotlight of the GeoERA perspective



RESOURCE MANAGEMENT WEEK 2021

ENABLING SUSTAINABILITY PRINCIPLES IN RESOURCE MANAGEMENT



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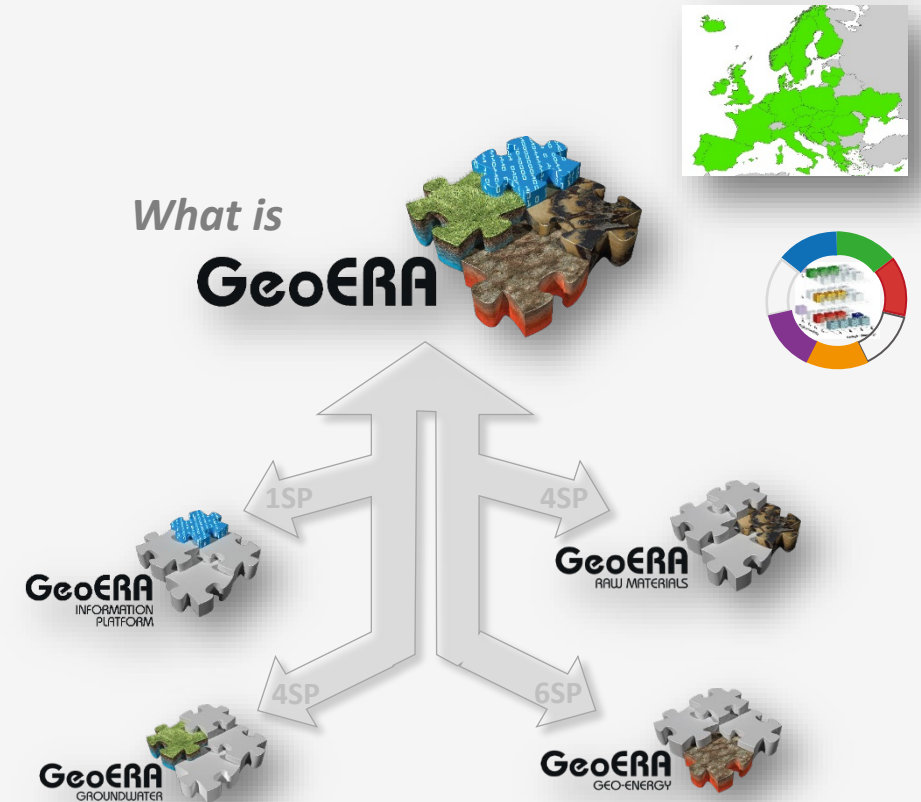
GeoERA Perspective

What GeoERA is about



- 47 national and regional Geological Survey Organisations co-funded by European Commission
- 32 European countries
- 15 Scientific Projects (SP)
- 4 Thematic themes
- 1 Goal: contributing to the optimal use and management of the subsurface

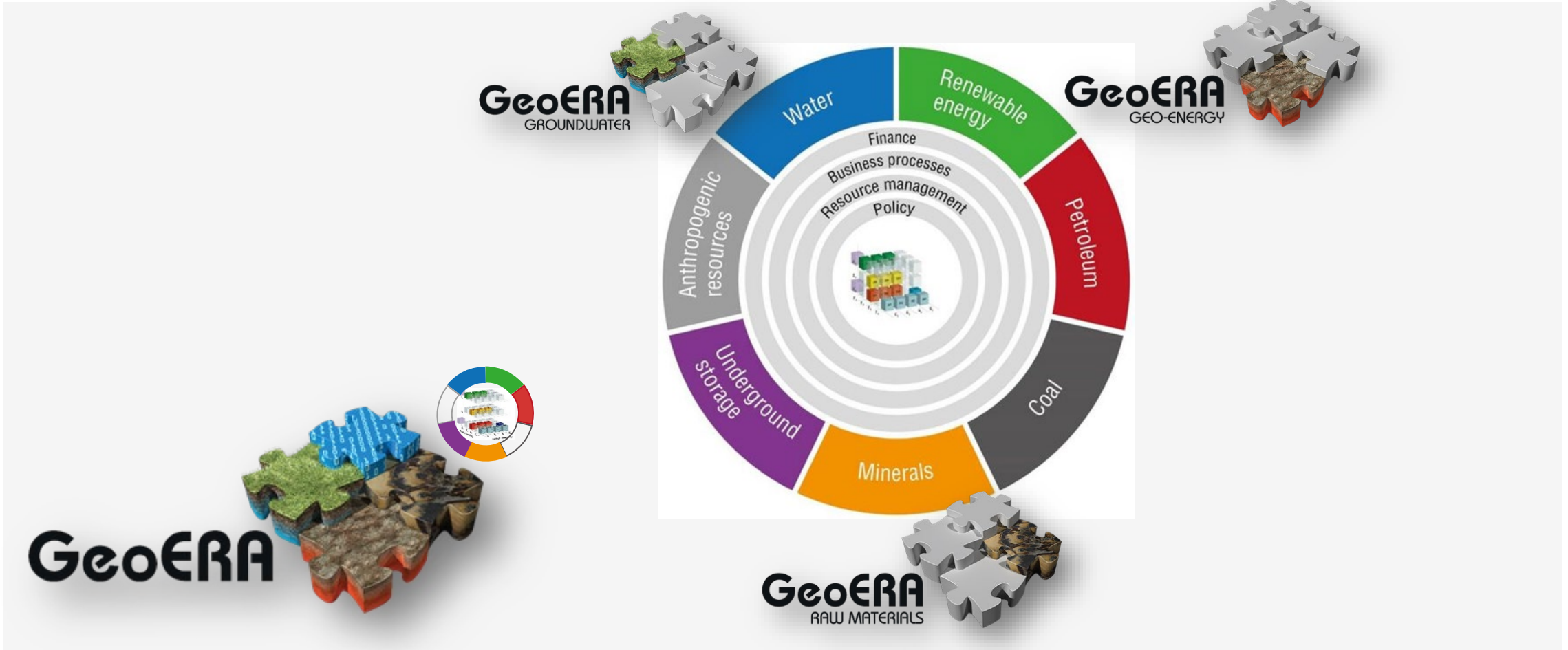
More on GeoERA: <https://geoera.eu>





GeoERA Perspective

Related Domains



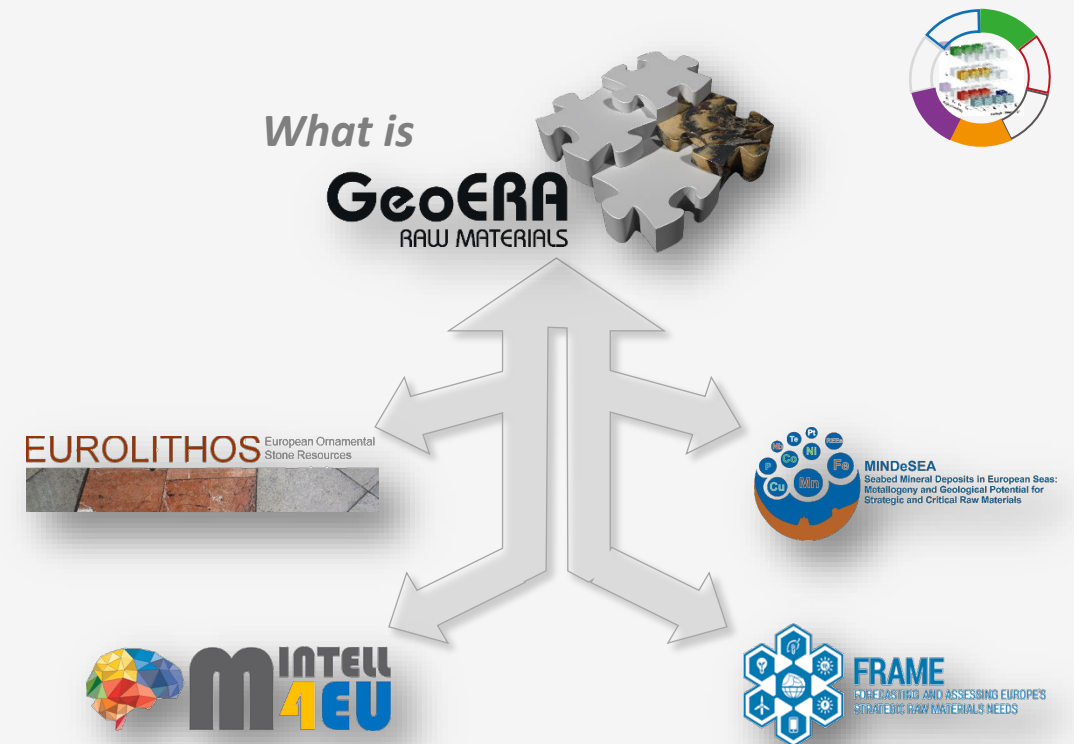


GeoERA Perspective

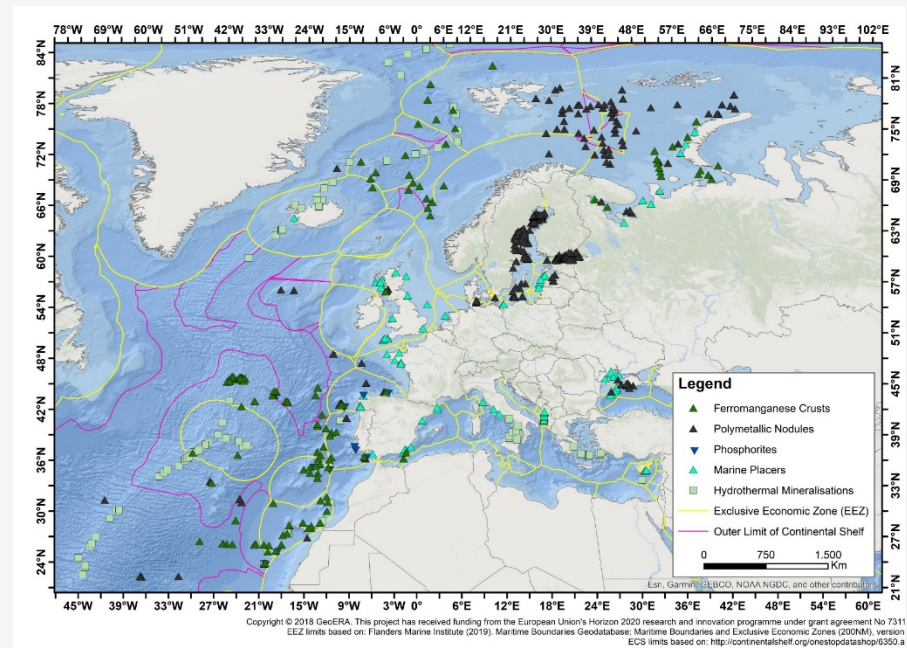
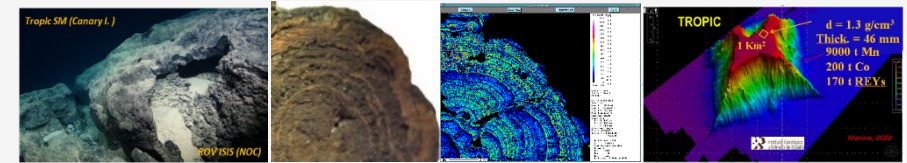
GeoERA Raw Materials



- Works on mutual understanding
 - Vocabularies, test and show cases...
- Delivers harmonised information
 - cartographies and thematic maps ...
- Accumulates expertise of regional knowledge & information to a quality controlled / cohered resource database
 - Repositories, Inventory, eYearbook...
- Assists in identifying high potential areas for responsible sourcing and supply within Europe.



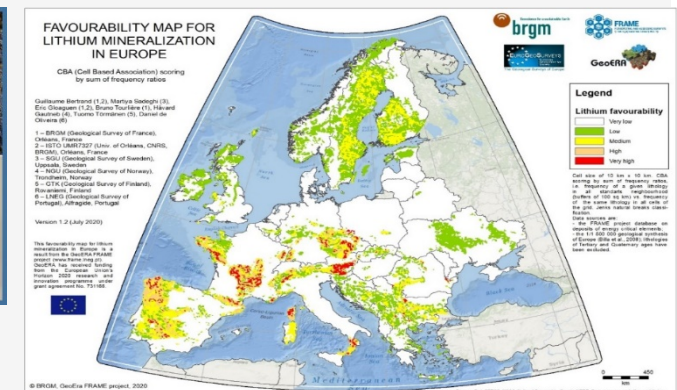
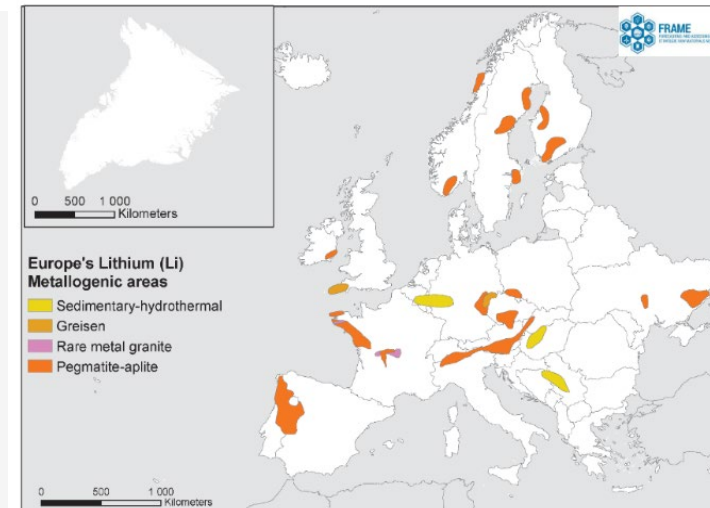
- Method and model development, driver of technologies
- Assessing Critical Raw Material (CRM) potential in European Seas and monitoring of ecological developments
 - Pan-European map of seabed mineral deposits and resource estimations
- Fundamental information prior to business cases <-> G-, E-, F- Axis (UNFC)
- Recommendations <-> UNRMS



More on MINDeSEA: <https://georamindesea.wixsite.com/mindesea>

- Information on Critical and Strategic Raw Materials in Europe
- 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
- Basis for reliable data at G-Axis

More on FRAME: <http://www.frame.ineg.pt/>





- Model developments, database, and repositories, including atlas.
- Feeds G and E-Axis through e.g.
 - non commercial value assessments in view of cultural heritage;
 - showcases on common standards
 - UNFC test case –Norwegian example provided to MINTELL4EU (see presentation by Kari Aasly)



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		

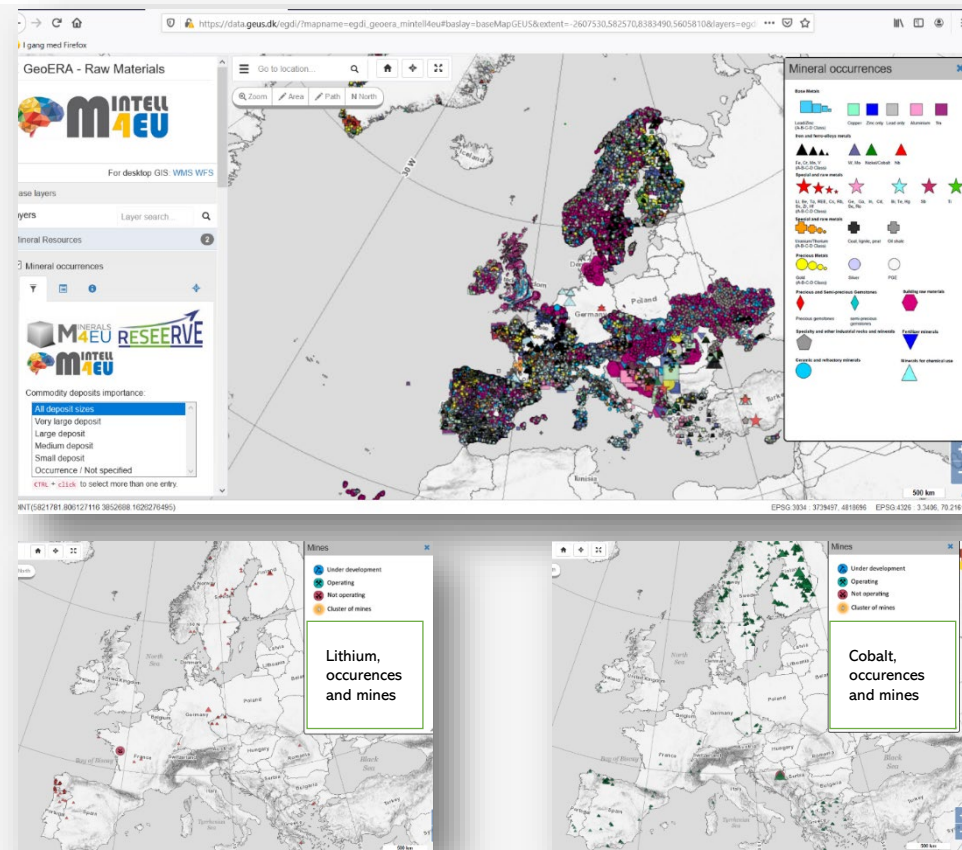


More on Eurolithos: [http:// www.eurolithos.org/](http://www.eurolithos.org/)



- From national or regional to pan-European database:
 - Harmonization, increased spatial coverage, INSPIRE standards
 - Minerals Inventory (occurrences, occurrence areas, mines etc.)
 - Minerals Yearbook (trade statistics, resources/reserves and exploitation)
 - Historic mining sites of touristic interests
 - Test cases on UNFC

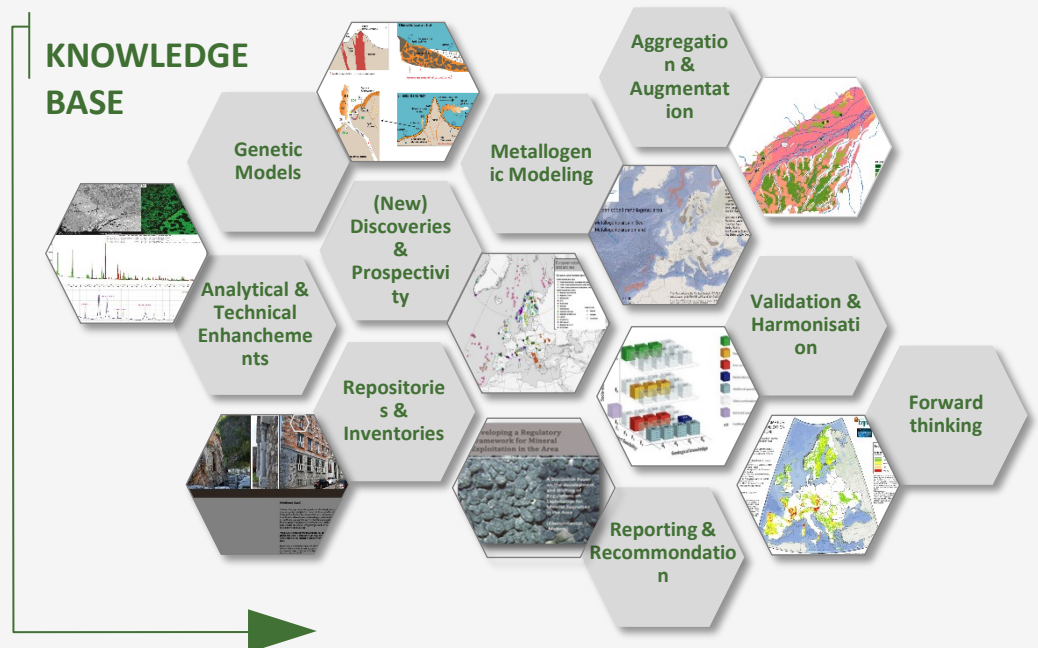
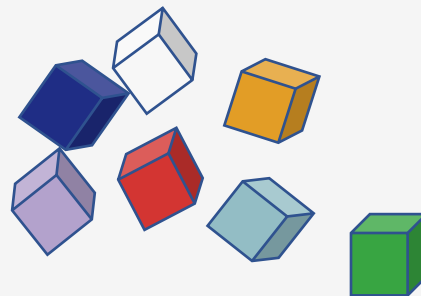
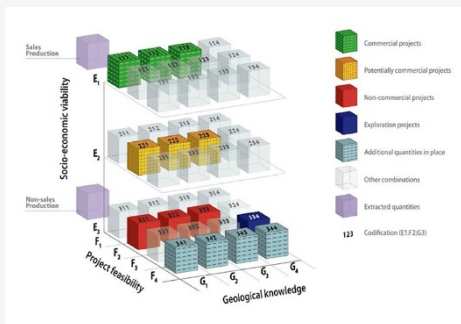
All displayed at the **European Geological Data Infrastructure (EGDI - www.europe-geology.eu)**

More on Mintell4EU: <https://geoera.eu/projects/mintell4eu7/>





- Actions in the forefront of industry exploration () and after closures of business cases ()
- Method development, monitoring, observation, forecasts
 - Unbiased interpretation
 - Business cases of the future?



- DECISION MAKING**
- Strategies / Policies
 - Investments
 - Projects

Acknowledgement:



Thank you!

Antje Wittenberg (BGR)
GeoERA Raw Materials Theme Coordinator

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