

GeoERA



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





GeoERA

Establishing the **European Geological Surveys Research Area** to deliver a Geological Service for Europe

- promote the free movement of researchers, technology and knowledge
 - address challenges more effectively on a high international level
- ensure effective and efficient use of public funds by aligning national research agendas



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GeoERA

Establishing the European Geological Surveys Research Area to deliver a **Geological Service for Europe**



- A Service based on collaboration of Geological Surveys
- robust and maintained single access point to pan-European harmonized and interoperable data, expertise and knowledge, managed by the GSOs themselves

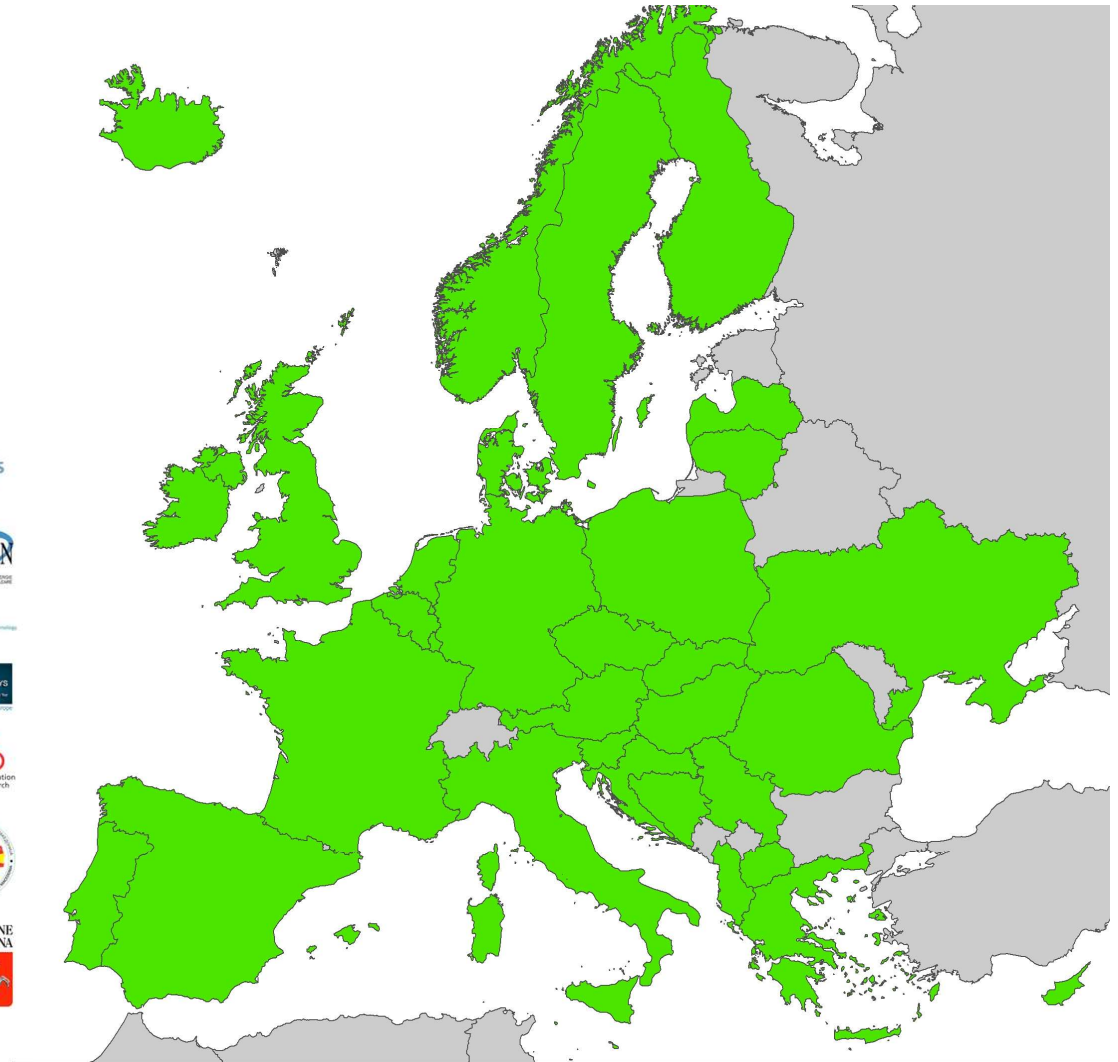


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GeoERA H2020 ERA-NET Co-Fund

- 33 Countries
- 48 participants
- 33% EC Co-fund



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GeoERA Timeline

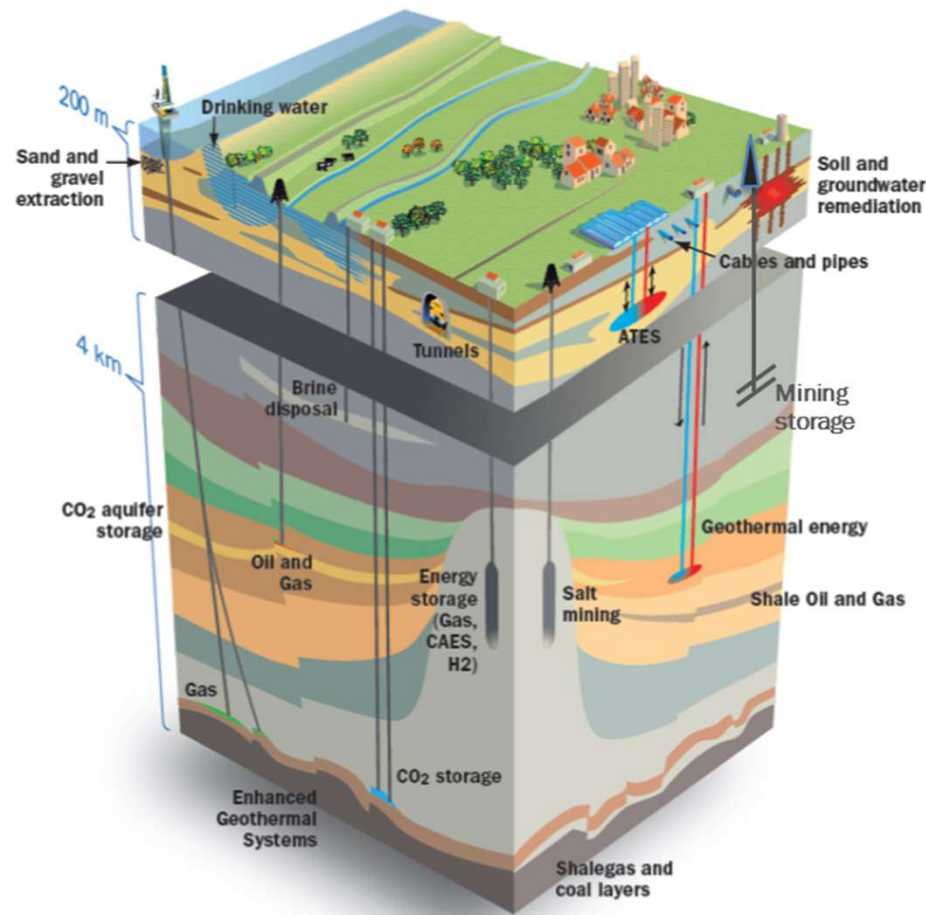
01 Jan 2017 :	Kick-off GeoERA	Joint Call
4 Apr 2017 :	Call for Project Ideas Stage 1	
18 Oct 2017:	Call for Proposals Stage 2	
12 Jan 2017 :	Closure Stage 2 proposals	
13 April 2018 :	Selection of transnational projects	Project Implementation
1 July 2018 :	Start of transnational projects	
Jun 2021 :	End of transnational projects	
Dec 2021 :	End of GeoERA	



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Societal challenges and the subsurface



WATER, SOIL, FOOD

RAW MATERIALS

ENERGY

ECONOMY

SAFETY, HEALTH

CLIMATE CHANGE

ENVIRONMENT

PUBLIC CONCERN

INFRASTRUCTURE

SPATIAL PLANNING

Societal
Challenges



Resources/
Impacts



Geology

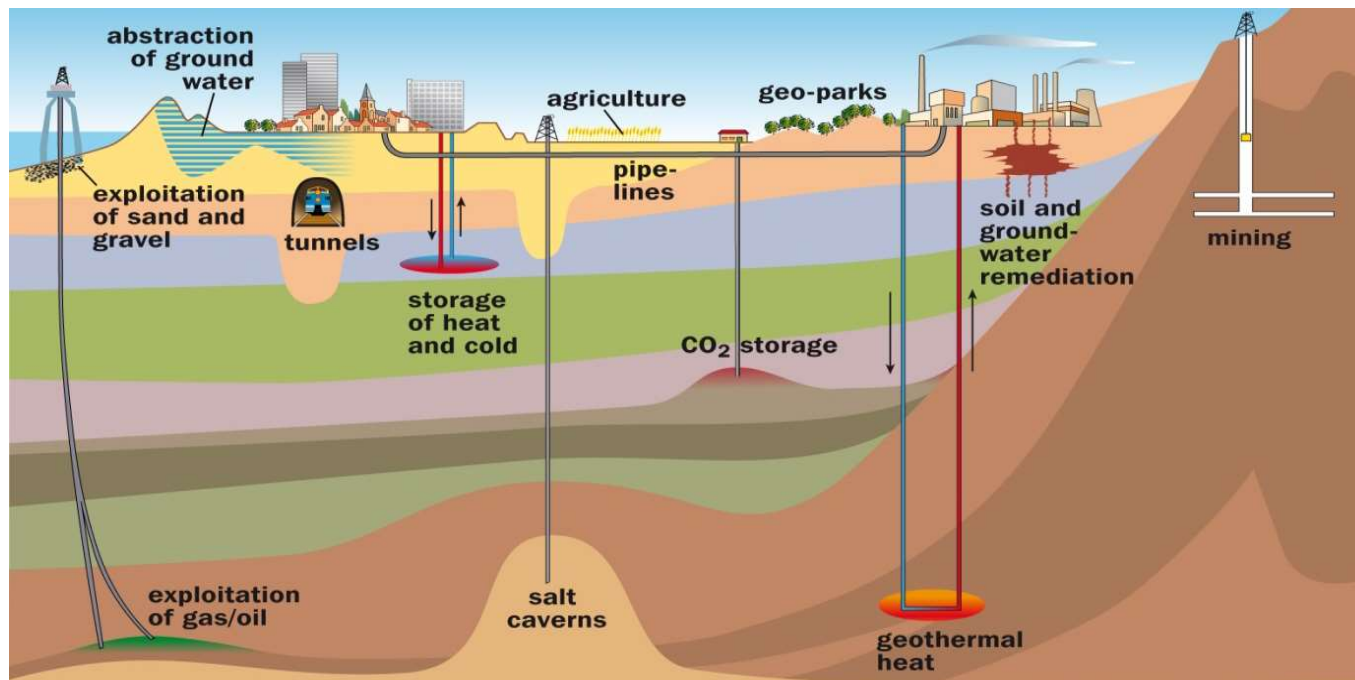


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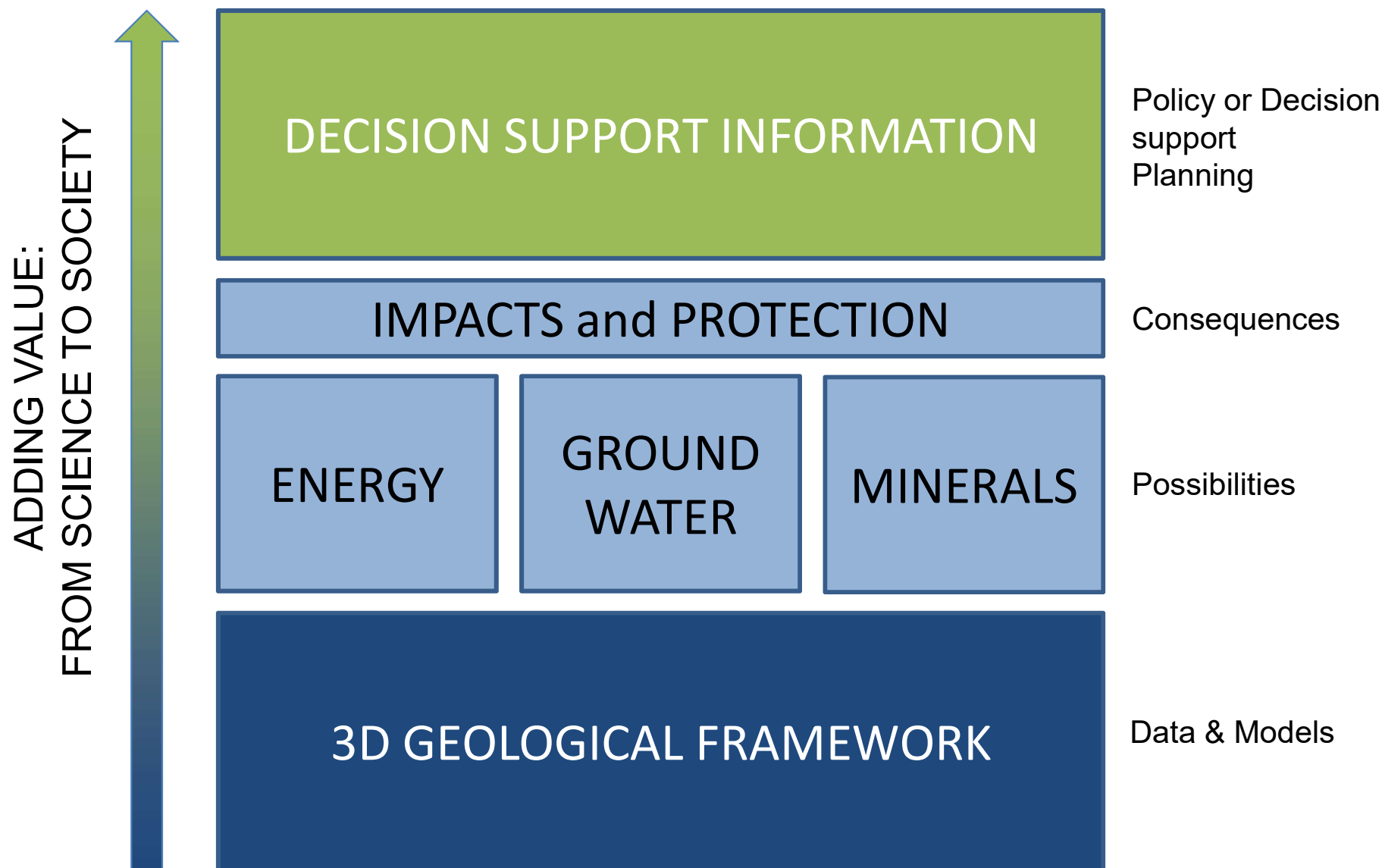
GeoERA Main Objective

Contribute to optimal use and management of the subsurface while minimizing environmental impacts for geo-energy, raw materials and groundwater challenges



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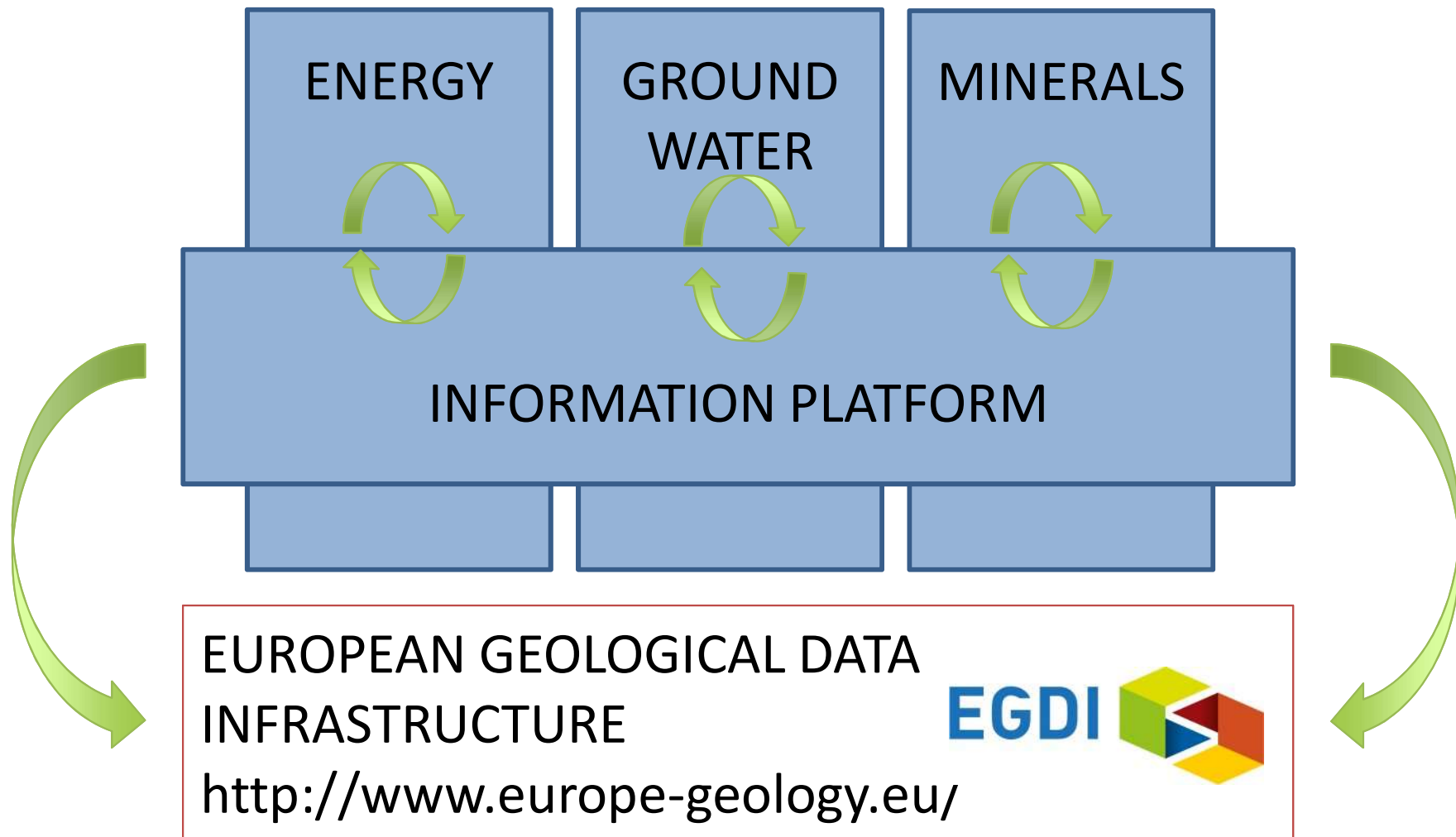




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Dissemination of GeoERA projects



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- energy resources
- storage capacities
- potential hazards
- environmental impacts;
- subsurface spatial planning



Serge van Gessel
TNO



- groundwater resources
- Protection, management and improvement
- interaction with surface water and ecosystems



Klaus Hinsby
GEUS



- mineral resources
- security and sustainability of supply
- HSE impacts
- subsurface spatial planning
- mineral intelligence



Gerry Stanley
GSI



- common geoscience information platform
- integrating data, interpretations and models
- Based on EGDI



Jörgen Tulstrup
GEUS



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Titles and organisation of proposals submitted for SRT1-4:

- SRT1: HOVER - **H**ydrogeological processes and Geological settings **over** Europe controlling dissolved geogenic and anthropogenic elements in groundwater of relevance to human health and the status of dependent ecosystems (Coordinator: BRGM)
- SRT2: TACTIC - Tools for Assessment of ClimaTe change ImpacT on Groundwater and Adaptation Strategies (Coordinator: GEUS)
- SRT3: RESOURCE - RESOURces of groundwater, harmonized at Cross-Border and Pan-European Scale (Coordinator: TNO)
- SRT4: VoGERA - Vulnerability of Shallow Groundwater Resources to Deep Sub-surface Energy-Related Activities (Coordinator: BGS)



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Possible synergies between GeoERA and KINDRA-EIGR

- The GeoERA project develops a comprehensive GeoERA Information Platform (GIP) for geoenergy, groundwater and raw materials based on the European Geological Data Infrastructure (EGDI)
- GeoERA will explore the possibilities of linking the GIP and EIGR databases e.g. by creating links from EIGR metadata on groundwater research projects and their related data available at European geological surveys.



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