



GSEU

GEOLOGICAL SERVICE | **FOR EUROPE**

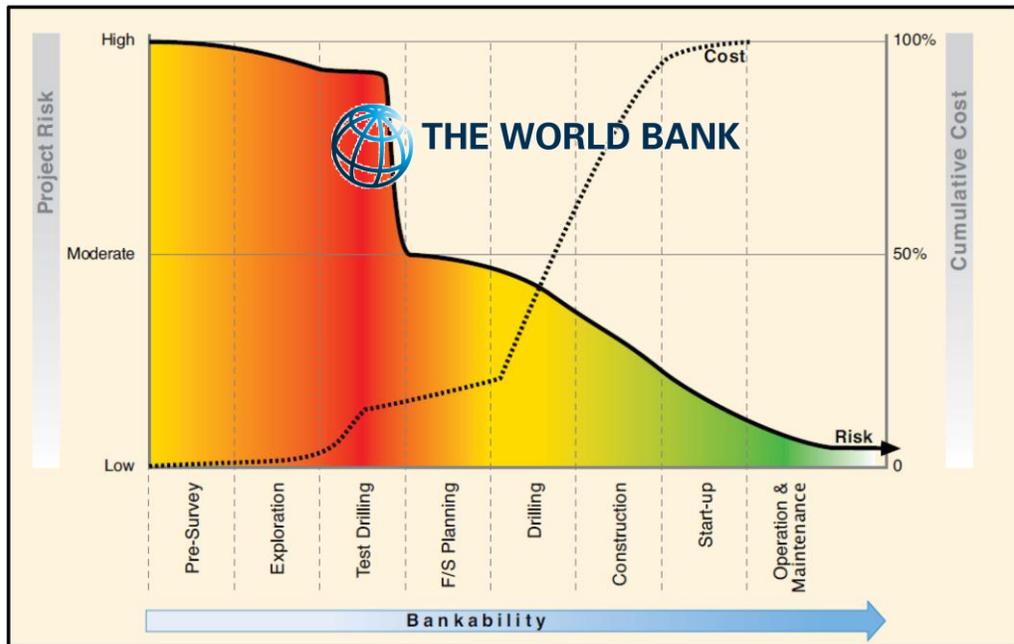
PROJECT INTRODUCTION





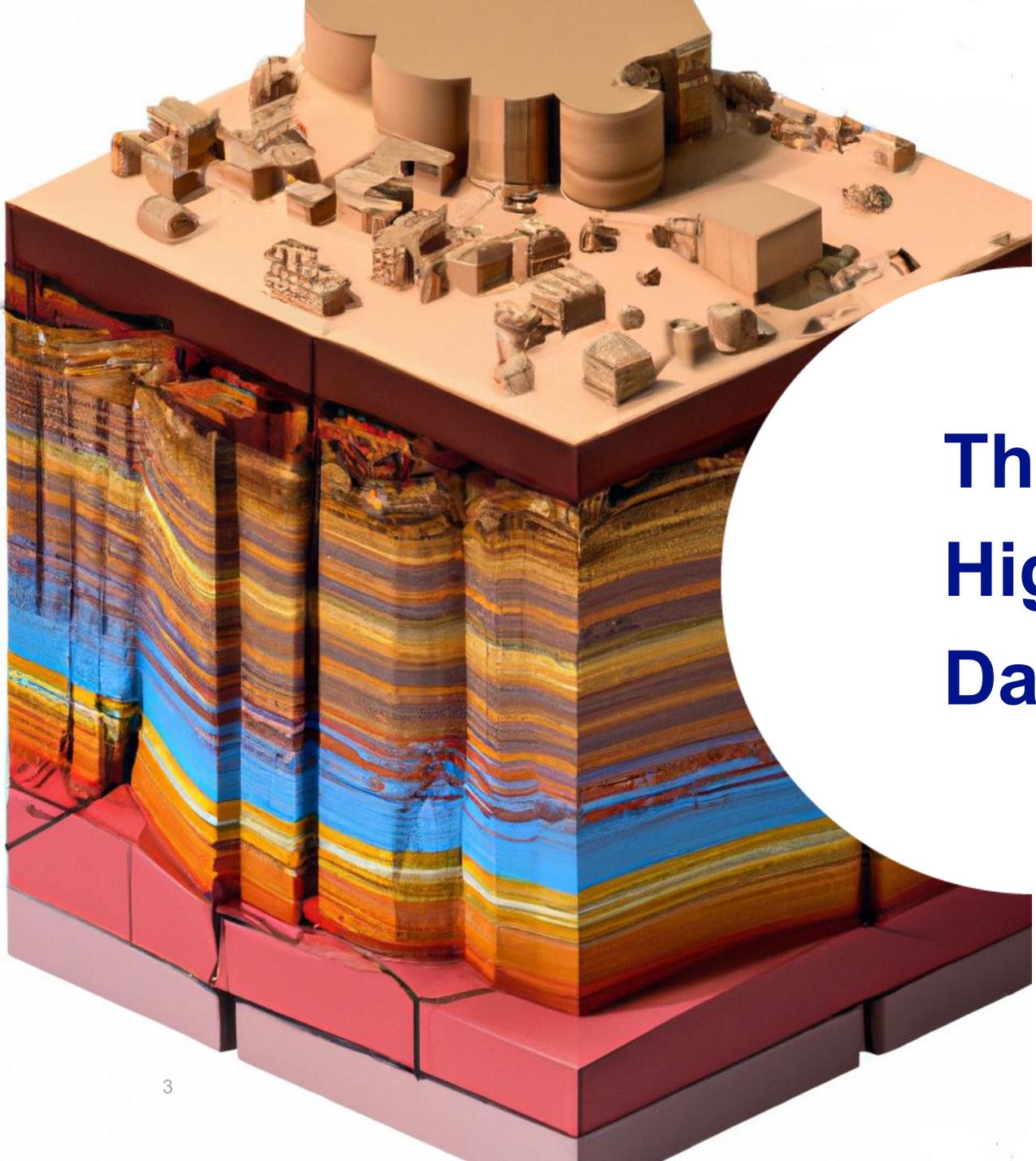
Why a Geological Service for Europe?

FINANCIAL TIMES
EU sounds alarm on critical raw materials shortages



Europe's groundwater – a key resource under pressure
Europe's groundwater — a key resource under pressure
European Environment Agency





**There is a Critical Need for
High-Quality Subsurface
Data!**



Objective

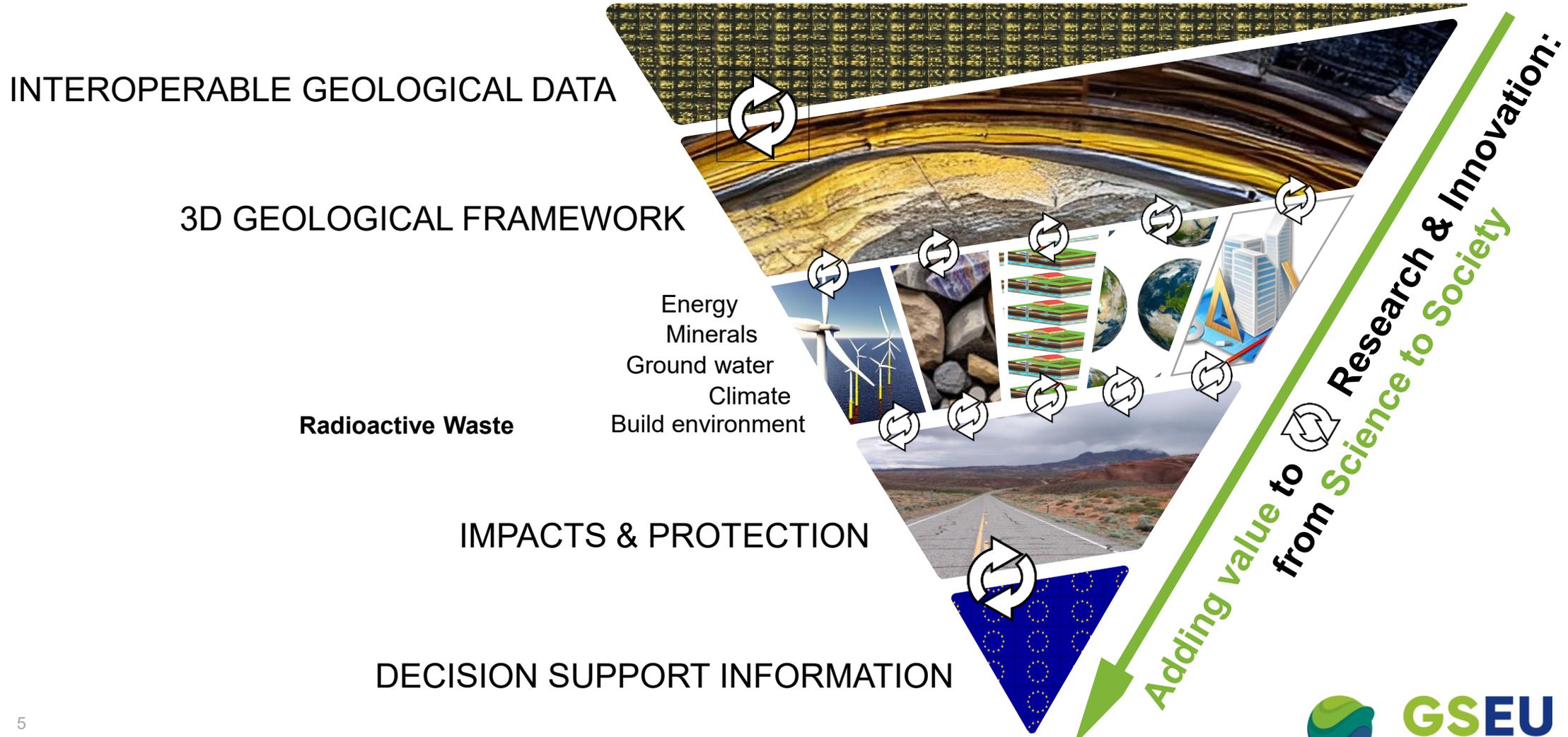
The overall objective of the **GSEU** project is to establish a **Geological Service for Europe** as a permanent **collaborative network of European geological survey organisations**.



GSEU will structurally address specific challenges in the **sustainable management of the subsurface** at EU and national level.



From Geological Data to Policy Support





Past ... Present ... Future ...

2010



2014



2015



2021



2022



2027





Consortium



Consortium Members



National and Regional Geological Surveys are collaborating to build a **permanent network of organisations** focusing on the planet itself: the earth beneath our feet.

Find all partners at:

<https://www.geologicalservice.eu/about-us/project-partners>



Consortium Members

National and Regional Geological Surveys are collaborating to build a **permanent network of organisations** focusing on the planet itself: the earth beneath our feet.



- Geological surveys perform systematic investigation of the Earth's subsurface to gather data on its composition, structure and evolution
- Our knowledge and expertise are crucial in addressing challenges in the areas of:
 - Environmental and health protection
 - Drinking water supply
 - Protection against natural disasters
 - Land management
 - Exploration and sustainable management of mineral resources
 - Energy transition
- Our aim is to provide knowledge to society and industry, including mining, energy supply, civil engineering and environmental science, to put research into practice, to make science accessible and to inform the general public.



Pan-European Challenges



Cross-border Solutions

In order to address **transnational** and **continental-scale subsurface problems** we need to be able to zoom out and go beyond national borders.





Project Coordinator



The Geological Surveys of Europe



Research

Joint research with EU policy impact



Infrastructure

Harmonising pan-European geological data



Outreach

Sharing knowledge, capacity and research infrastructure

EuroGeoSurveys is a not-for-profit organisation representing the Geological Surveys of Europe.

Through the collaborative research and activities of Expert Groups and Task Forces, and the provision of open-access, harmonised geological data infrastructure, EGS **provides the European Institutions**, regulators, industry, and the public, **geoscientific data-based advice** to address key societal challenges.



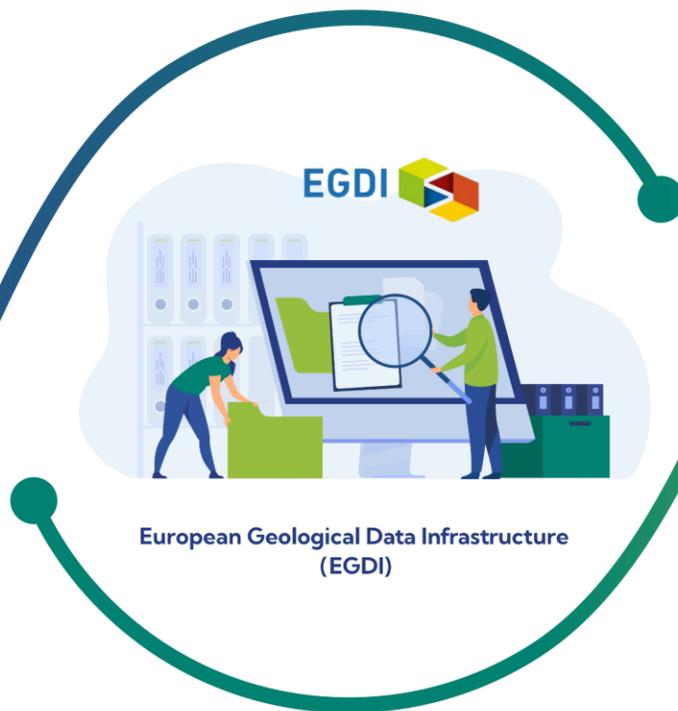
Project Structure



Project Structure



Developing Harmonised Data & Information Service



Developing Information Structure

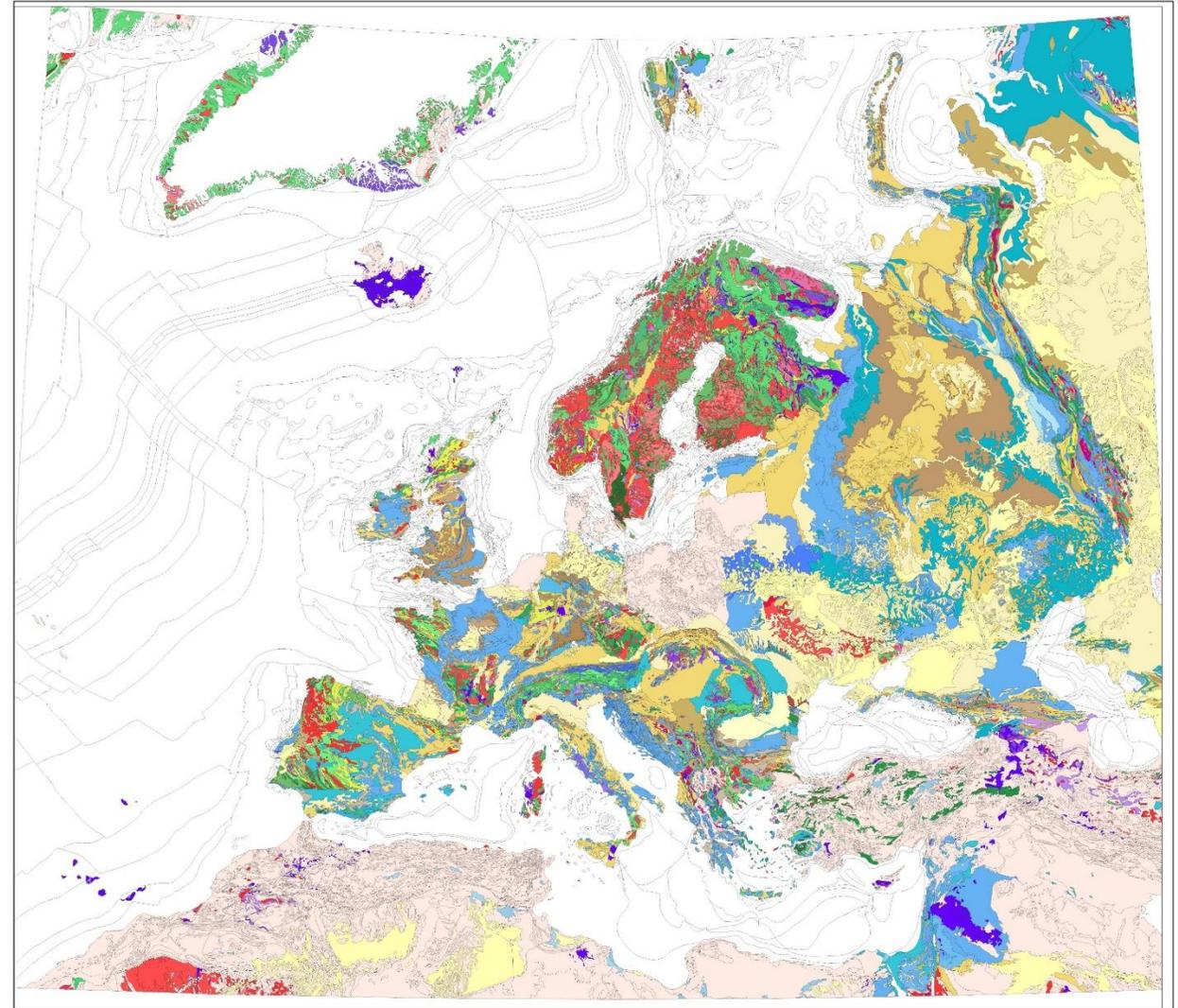


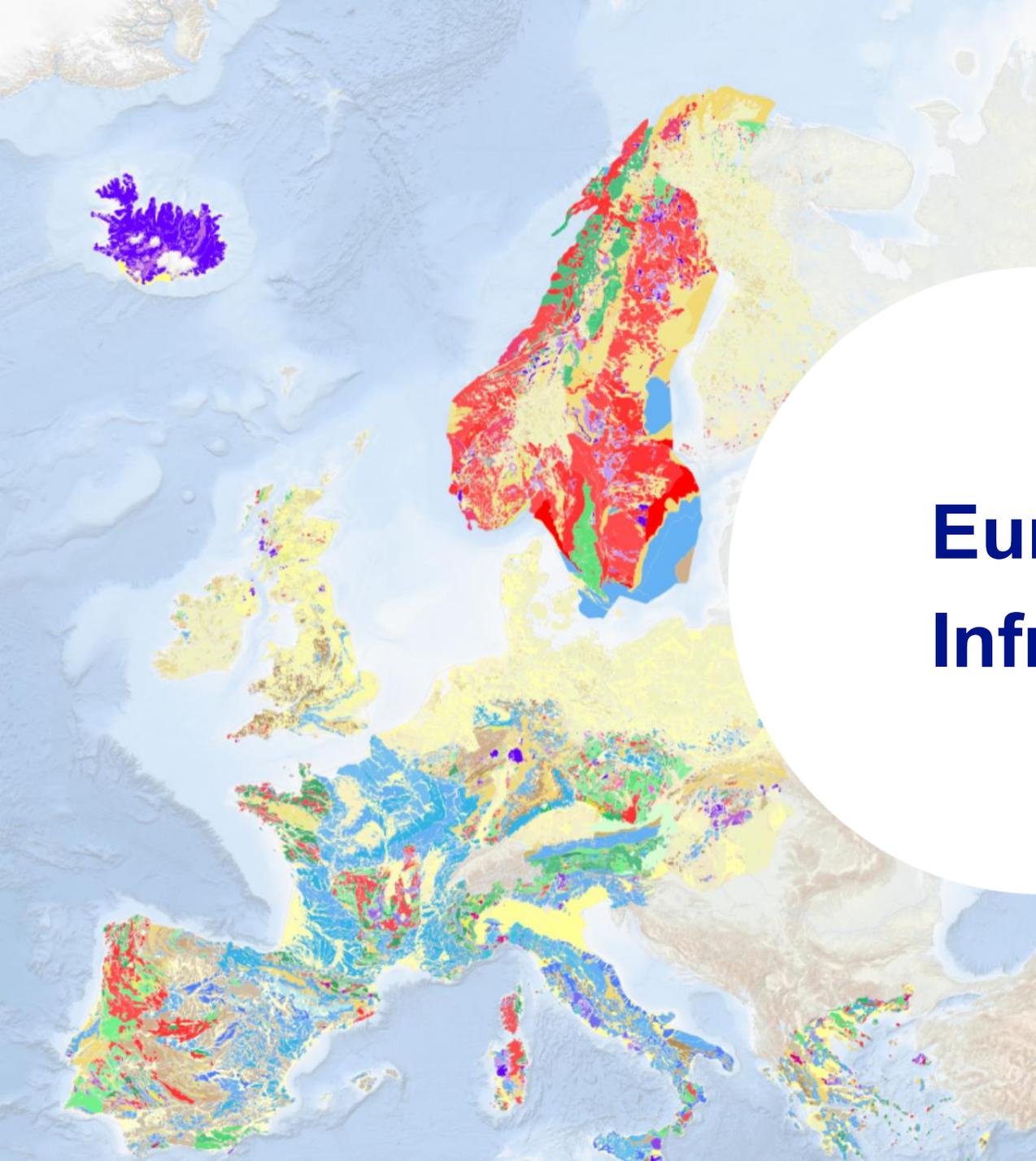
Communication, Dissemination, Exploitation & Outreach



Project Result

First resulting visualisation:
IGME 5000 according to
GSEU lithology with
application of INSPIRE
portrayal rules





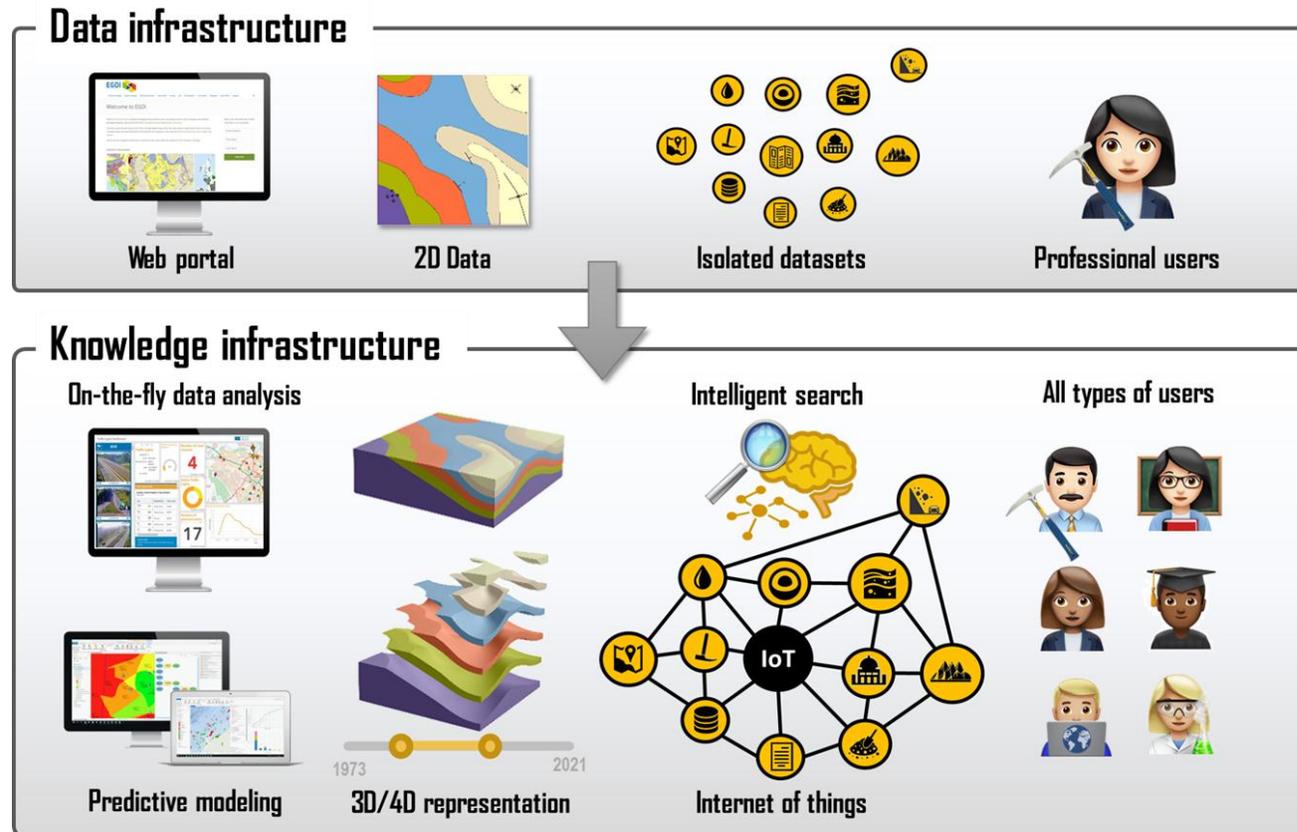
European Geological Data Infrastructure

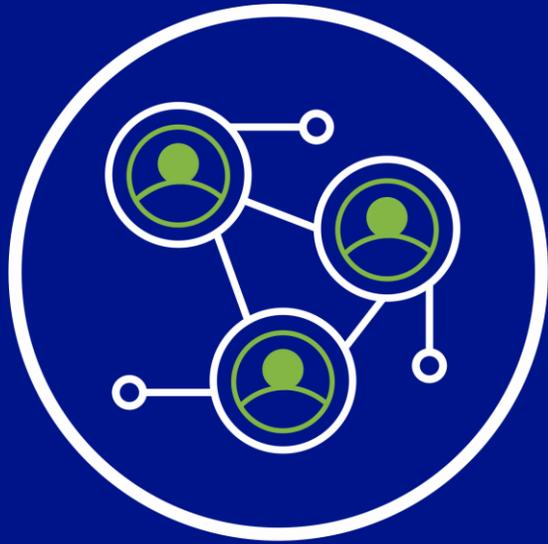




European Geological Data Infrastructure (EGDI)

The EGDI platform will be taken to a new level by transforming the current data infrastructure into a **knowledge infrastructure**, supporting the delivery of knowledge to policy makers and other stakeholders.





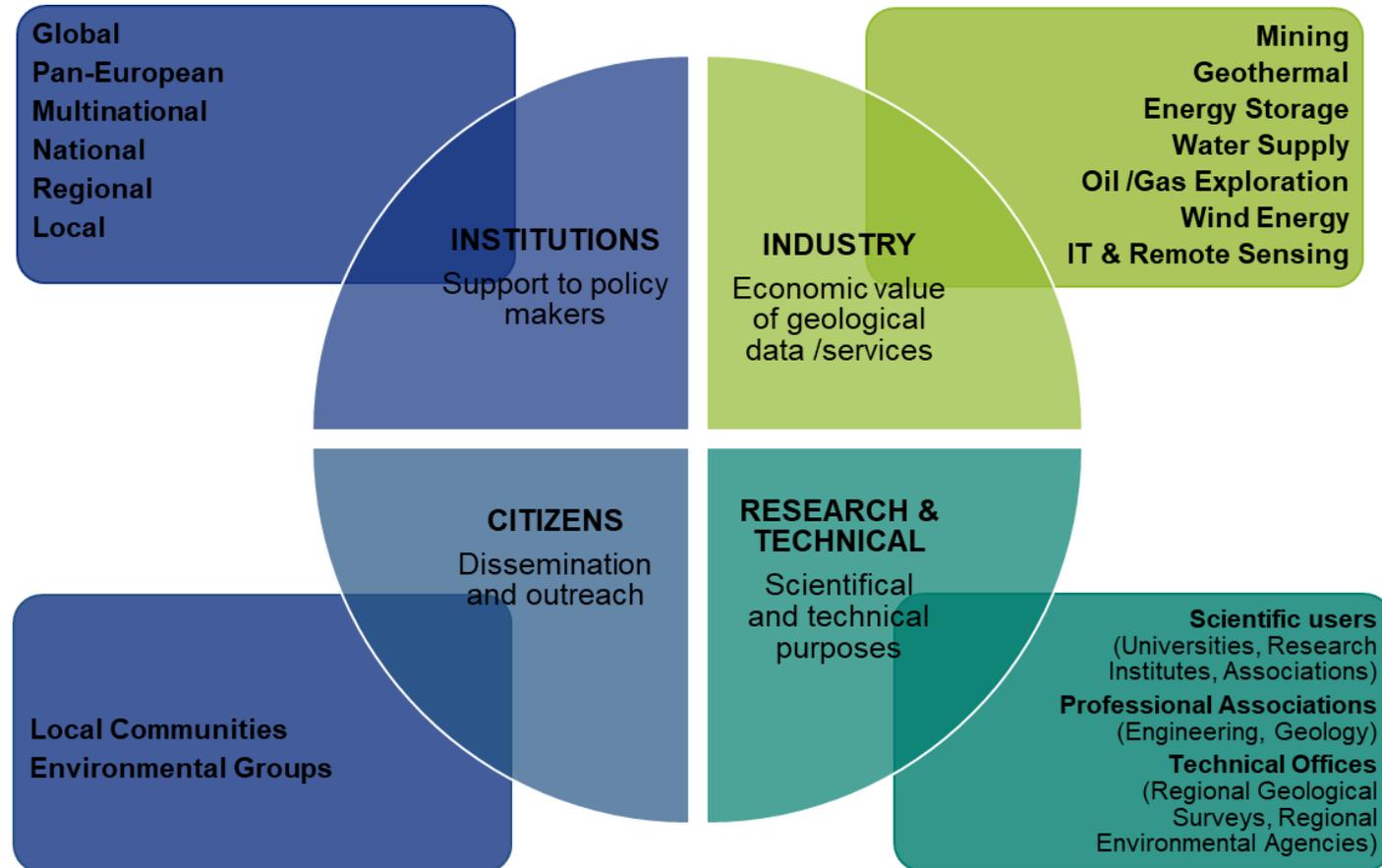
**Stakeholder
Engagement**

Maximise Social Impact



Stakeholder Engagement

We aim to inform and support a broad range of stakeholders through a programme of communication, dissemination and exploitation – to raise awareness of the critical value of the earth beneath our feet and its role in a sustainable future.





Invite you to inspect EGDI (and GSEU) web interfaces and provide feedback. You can contribute to the data and knowledge infrastructure required for managing Radioactive Waste Management Infrastructure.



GSEU

GEOLOGICAL SERVICE | FOR EUROPE



Funded by
the European Union

