
The Geological Service for Europe (GSEU) project

Jérémie Melleton^{*1}, Francesco Pizzocolo , and Guillaume Bertrand

¹Bureau de Recherches Géologiques et Minières (BRGM) (BRGM) – BRGM – France

Résumé

The underground holds indispensable resources for European society, but they need a careful management relying on shared knowledge. To address transnational and continental-scale subsurface problems, geoscientific data need to be harmonized beyond national borders. Started in September 2022 for a duration of five years and based on these principles, GSEU has the following objectives:

- To develop pan-European harmonised data and related information services with a focus on critical raw materials, geothermal energy resources and subsurface storage capacities for sustainable energy carriers and CO2 sequestration, groundwater dynamics and quality, geological and climate change information for coastal vulnerability assessment and geological baseline information;
- To establish the European Centre of Excellence on Sustainable Resource Management to promote the deployment of the United Nations Framework Classification for Resources and the United Nations Resource Management System;
- To develop the geological data infrastructure - building on the existing EGDI - to provide permanent access to and dissemination of the data and information services developed under the project;
- To provide a common European Geological Knowledge Base Platform as the single open access portal to the project results and to the underlying data and information collections and infrastructures of partners at national and regional level;
- To further strengthen the network of national and regional geological survey organisations to provide geological knowledge and services in a sustainable manner.

Mots-Clés: Ressources minérales, eaux souterraines, géothermie, risques, géologie, modélisation 3D

*Intervenant