Underground in the context of energy transition:

Ensuring the safety and the performance of subsurface uses

Independent expertise on the safety of underground operations

BRGM is strongly focused on research and technology watch activities to support institutional and economic players in developing the potential of underground to contribute to the energy transition

- Public and industrial research on the global performance of operations
- Studies of innovative energy storage concepts
- Technology watch on new underground uses
- Decision-making support

New approaches and technology watch

We develop new methods and numerical tools through our research work and partnerships with industries

- Risk management methods
- Integrated monitoring tools
- Uncertainties quantification methods and metamodels
- Value Of Information

CITEPH Web-RDS: a geosurveillance platform of a gas storage site

ANR FluidSTORY: safety of CO₂/O₂ storage in salt caverns

Abstract

The BRGM develops and coordinates independent expert studies for central and local government on the safety of underground operations and on the management of subsurface uses conflicts. We also offer tools and methods to help private energy companies improve the global performance of their exploitations.