



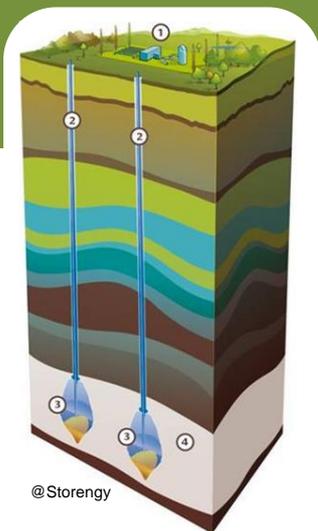
GEODENERGIES

Le rôle du sous-sol dans la transition écologique des territoires



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WORKSHOP ON UNDERGROUND HYDROGEN STORAGE

July 1st, 2021 – ENSG,
Nancy (France)

*Potential for geological storage of
hydrogen in France and Europe for
the coming years*

[ROSTOCK-H](#) research partners in collaboration with Géodénergies will host a one-day workshop dedicated to geological storage of hydrogen. It will aim at discussing **current technological status and research needs** for the development of the underground hydrogen storage in salt caverns but also possible alternatives such as aquifers, depleted reservoirs or mined caverns. The main outcomes of the **ROSTOCK-H project** and experience from **operating and planned facilities** in the world will be presented. The detailed program will soon be made available.

Access to the workshop is free, but registration is necessary



Background

At present, hydrogen is considered as a renewable energy source with promising prospects, which should be able to complement fossil fuels in the near future. The large-scale storage of hydrogen will play a fundamental role in the future hydrogen economy. Underground storage is considered today as the most cost-effective method, especially in salt caverns already used on a full industrial scale but also in aquifers, depleted reservoirs or mined caverns since rock salt formations are not available in all regions.

Objectives

This workshop is dedicated to key players of the hydrogen economy such as R&D community, academic researchers and hydrogen storage industry and aims to present the cutting-edge of the knowledge on the underground hydrogen storage with operator feedback on operating and planned facilities.

Sessions

This four-session workshop is organized as follows :

Morning (9h – 12h30)

Session 1 (Opening Session): H2 markets - context, needs and potential for geological storage in France and Europe for the coming years

Invited speakers: Christelle Werquin (AFHYPAC), Simon Jallais (Air Liquide), ...

Session 2: Main outcomes of the ROSTOCK-H project

The highlight results will be presented by the participants of the ROSTOCK-H project (Risks and opportunities of hydrogen underground storage in salt caverns in France and in Europe) including Université de Lorraine (GeoRessources, LCPME and Perseus laboratories), Air Liquide, Mines ParisTech, Ineris and Geostock.

Afternoon (14h-18h)

Session 3: H2 storage in salt caverns : feedback from facility operators and new projects under development

Invited speakers: Grégoire Hévin (Storengy), Aurélien Soubeyran (Air Liquide), William Rahein (Terega), ...

Session 4: Which alternatives to salt caverns ? Hydrogen storage in aquifers, depleted reservoirs and mined caverns

Invited speakers : Karin Fazeni-Fraisl (Univ. Johannes Kepler de Linz), Sébastien Dupraz (BRGM), Arnaud Reveillères (Geostock), Univ. Edimburgh ...

How to attend

The workshop will be held in hybrid format with both face-to-face and virtual participants to provide better experience and high level of interaction.

Participants will thus have the choice of participating in person (location : ENSG school, Nancy, France) or virtually.

In both cases, you need to register [here](#) to attend the meeting. Virtual participants will receive online login details before the meeting.