

Research topic

Risks and Opportunities of Geological Storage Hydrogen in Saline Cavities in France and Europe

Case studies

Spindletop (TX)

Leader and consortium

AL, Geostock, Univ de Lorraine, Mines ParisTech, Ineris

Budget

3.3 M€

Funding

50% of manpower costs

Timescale

01/2017-01/2019

Contact

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TECHNOLOGICAL BARRIERS

Understanding of H2 behavior in interaction with the salt

Develop multi-scale numerical model predicting the geochemical and thermo-hydro-mechanical behavior of H2 in the salt cavity.

Assessment of the safe operations conditions and monitoring.

Analysis the economic viability and the social acceptance.

SHORT TERM MARKETABLE DELIVERABLES

H2 storages in Europe for energy storage and mobility markets

