**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

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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