Summary

This Project describes a mathematical model for predicting the impact of isolation valves on limiting the inventory loss as a result of the accidental rupture of CO_2 pipelines employed as part of the Carbon Capture and Sequestration (CCS) chain.
The model is based on the homogeneous equilibrium model (HEM) assumption, where the constituent fluid phases are assumed to be in both thermodynamic and mechanical equilibrium.

Research group

Additional information