

THMC assessment of CO₂ Injection in a Depleted Gas Field in the North Sea

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This study aims to improve Thermo-Hydro-Mechanical-Chemical (THMC) simulations to evaluate CO₂ storage efficiency, considering factors like geological architecture, geomechanical properties, and geochemical reactions. Advancements include the use of the Intersect simulator coupled with PHREEQC for precise fluid flow and geomechanical behavior modeling.



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