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HRE031-02

Room:303

Time:May 24 08:45-09:00

Development of Risk Assessment Tool for CO₂ Geological Storage

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In this poster presentation, we categorize aspects of risk considerations of CO₂ geological storage. Then, we will introduce our risk assessment tool for CO₂ geological storage. Our risk assessment tool is consisted from hazard impact estimation part, CO₂ migration evaluation part and risk evaluation part. It evaluates CO₂ migration in relation with fractures or faults of shallower aquifers and estimates impact of seepage in surface. We are expecting to offer optimum level of quantified value of risk as decision-making basis, and to support safety and risk management of CO₂ geological storage legislations.

Keywords: CCS, CO₂ geological storage, risk assessment system, impact evaluation