Modeling and Optimization of CO_2 Transport Netowrk based on Reservoir Scenarios

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Carbon Capture and Storage (CCS) is considered as one of the most practical approaches for reduction of CO_2 emission. If CCS is applied to low carbon power generation, its deployment will require the construction of CO_2 transport infrastructure on a massive scale. However, there is a dearth of data concerning CO_2 transport and storage, especially reservoir uncertainty. Because of that, it is needed to provide analysis of CO_2 transport network based on many reservoir scenarios. In this presentation, CO_2 pipeline transport network is modeled and optimized on reservoir scenarios.

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