



## Research to support CO<sub>2</sub> storage in existing O&G fields

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# Danish Offshore Technology Centre Technology Conference 2022

## **TITLE: Research to support CO<sub>2</sub> storage in existing O&G fields**

### **SUBTITLE**

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Please describe the content of your presentation with a few sentences (max ½ page)

*Depleted reservoirs and existing infrastructure in oil and gas fields represent an opportunity for accelerated and cost-effective implementation of CO<sub>2</sub> storage, with;*

- *a high chance of technical feasibility*
- *a large, well described and proven storage capacity*
- *decades of accumulated knowledge on subsurface behaviour*
- *existing subsurface and surface infrastructure*
- *distance to shore and inhabited areas*

*However, using the existing O&G fields for CO<sub>2</sub> storage also adds complexity in terms of;*

- *Potential risk of leaks through abandoned wells*
- *Hydrocarbons added to the storage equation in the reservoir*
- *Chalk being the dominant O&G reservoir type in Denmark whereas sandstone reservoirs are seen as the optimal reservoir for CO<sub>2</sub> storage*

*This presentation will give an overview of how the research at the Danish Offshore Technology Center is addressing the complexity associated with reusing the existing O&G infrastructure for CO<sub>2</sub> storage.*