

Commercial Presentation Theatre & Process Equipment Zone (Hall 1)

Day: 23rd May
Time: 14,30 - 14,50

BAKER HUGHES

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Clusters and technology diversification to foster CCUS in Europe

Major CO₂ storage developments are currently in Northern Europe thanks to the availability of offshore storage capacity, especially due to the presence of depleted oil fields for which there is an already well-established knowledge on their geology. On the contrary, with the exception of O&G producing platforms, CO₂ emitting facilities are on-shore.

In order to connect those CO₂ stores with multiple industrial point sources of CO₂ through a CO₂ transport network, the development of clusters is considered to be a key enabler as bringing many advantages such as the reduction in short- and long-term costs and most importantly it allows projects to benefit from economies of scale. Since clusters are made of a diversified number of industrial emitters with differences in terms of their flue gas conditions as well as their energy infrastructure, it is important that – in order to deploy a cost-effective CCUS solution – also a broad technology portfolio shall be considered. This presentation will cover key opportunities and main challenges of developing a CCS project under the cluster-and-hub model.