

CCS STORAGE IN DEEP SALINE AQUIFER VERSUS DEPLETED FIELDS

Diane Labregere, DNV

It is recognized that most of the available geological storage volume for CO₂ is in deep saline aquifers.

The best aquifers are usually to be in sedimentary basins (and sometimes near to fossil energy sources). However, unless the geology set up has been explored for hydrocarbon potential, it is likely that little data exists so significant work will be required to evaluate the realistic storage potential. Depleted gas fields offer more limited volumes but are better characterized, have seals that have been successful to retain hydrocarbons for millions of years, and may offer a shorter route to practical implementation for early projects.

After a review of the different storage types for subsurface carbon sequestration, the storage conditions and the different trapping mechanisms that occurred, a more detailed analysis will be presented to compare deep saline aquifers versus depleted fields.

OFFSHORE PIPELINES FOR CCS SERVICE

Emilien Rulence, Atteris

Emilien will present on the latest research that is currently underway in Australia regarding transport of CO₂ through submarine pipelines. The audience will learn about the key technical challenges and uncertainties with regards to this CO₂ service. In his presentation, Emilien will address two common scenarios - design of a new CO₂ pipeline and converting an existing submarine pipeline for CO₂ service.

TOPIC - CCS, WHY BOTHER

Ben Jury, Woodside

The negative press surrounding CCS as a decarbonisation method is rife; doesn't work, too expensive, doesn't reduce emissions, greenwashing. Should we believe the headlines? Regardless of opinions, CCS is happening so we would be silly not to jump on for the ride, right? So why bother doing CCS? The bang for your buck with CCS is massive, and there is minimal land footprint to achieve it. Woodside's NWS gas assets alone holds 4x more storage than planting all available land in WA.

Does CCS Work? The Norwegians have been injecting CO₂ into Sleipner field since 1996 with over 20MT sequestered. And Gorgon also works, in fact it's the biggest. So how can we get involved? We know how to do it, in fact CO₂ is less hazardous and easier to handle than we are used to. This gives us opportunity to think outside the box and come up with solutions that look different, which is good fun.

Image: Equinor

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Registration Cost	Earlybird (ends 6 June)	Regular (from 7 June)	Onsite
Single ticket: Members (Individual/Corporate)	\$40	\$50	\$55
Student	\$25	\$25	\$25
Single ticket: Non-Members	\$60	\$70	\$75
Group Booking: 5pax - Corporate Members	\$160	\$230	-
Group Booking: 10pax - Corporate Members	\$290	\$440	-
Season Pass: 5 tickets - Members		\$175	
Season Pass: 5 tickets - Non-Members		\$290	

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