



# Applicability of Hydrocarbon Subsurface Workflows to CCS

28-29 April 2022

Hybrid Conference – The Geological Society London, and Zoom

## Programme

Day One	
08.30	Registration/virtual lobby
09.00	Welcome
09.10	Reflections from Geolsoc event
	<b>Session One: Regional Screening</b>
09.20	<b>KEYNOTE: Regional Screening</b> Catherine Witt, <i>Storegga</i>
10.00	Basin modeling advanced workflow applied to the screening of potential CO2 storage areas Adriana Lemgruber-Traby, <i>IFP</i>
10.25	<b>BREAK</b>
10.45	Basin to prospect-scale CO2 storage characterisation, Utsira-Skade Aquifer, northern North Sea C. Lloyd, <i>University of Manchester</i>
11.10	Common Risk Segment (CRS) Mapping for CCS potential of Burdigalian-Langhian carbonates: A case study from onshore Cilicia Basin, NE Mediterranean region Ayberk Uyanik, <i>Turkish Petroleum Corporation</i>
11.35	<b>Poster Quick-Fire</b>
12.00	<b>LUNCH</b>
	<b>Session Two: Risk and Uncertainty</b>
13.00	<b>KEYNOTE: NZT Project</b> Catherine Gibson-Poole, <i>BP</i>
13.40	CCUS Risk Assessment – Learning from Projects that Failed Pieter Pestman, <i>Rose and Associates</i>
14.05	CCS Risk Assessment – a New Paradigm Rosalie Constable, <i>Constable Energy Consulting</i>
14.30	<b>BREAK - In-Person Poster Viewing</b>
14.50	Extending Oil & Gas Asset Evaluation into Carbon Storage Resource Assessment: The Path Towards a First Standard Methodology Martin Neumaier, <i>ArianeLogiX</i>
15.15	A process-led approach to framing uncertainty and risk in CO2 storage in the subsurface Simon Shoulders, <i>BP</i>

15.40	Panel Session: Information and Practice Sharing Between Industry and Academia
17.00	End of day one
17.10 – 18.10	Drinks Reception – Lower Reception

Day Two	
08.30	Registration/virtual lobby
09.00	Welcome
	Session Three: 'The Long Term'; Monitoring and Stakeholders
09.05	<b>KEYNOTE: Crown Estate (Stakeholder Engagement, Licencing Framework)</b> <i>Adrian Topham, Crown Estate</i>
09.45	<b>Experienced-based saline aquifer CCS project development – a subsurface maturation perspective from the Northern Lights project, offshore Norway</b> <i>Nicholas Thompson, Equinor</i>
10.10	<b>Well integrity strategy for CO2 storage field development – Experience sharing from Northern Lights project, offshore Norway</b> <i>Ben Hem, Equinor</i>
10.35	<b>BREAK - Virtual Poster Viewing</b>
11.10	<b>Fill-and-spill CO2fairways: a new concept to enhance the efficiency and safetyof underground carbon storage (CCS)</b> <i>Andrew Green, University of Nicosia</i>
11.35	<b>Sleipner 25 years: Demonstrating how well-established subsurface monitoring work processes have contributed to successful offshore CO2 injection</b> <i>Anne-Kari Furre, Equinor</i>
12.00	<b>LUNCH</b>
	Session Four: Reservoir Characterisation
13.00	<b>KEYNOTE: Why CCS is not reverse gas engineering</b> <i>Philip Ringrose, Equinor</i>
13.40	<b>The value of integrated petrographical, sedimentological and structural description and interpretation in assessing CO2 storage sites: A example from the Endeavour Field, North Sea</b> <i>Nicolas Foote, Badley Ashton</i>
14.05	<b>Value of legacy core material to assess subsurface carbon storage reservoir potentiality</b> <i>Ryan L Payton, Royal Holloway University of London (in place of Domenico Chiarella)</i>
14.30	<b>Pore scale assessment of potential subsurface carbon storage reservoirs using digital image analysis</b> <i>Ryan L Payton, Royal Holloway University of London</i>
14.55	<b>BREAK</b>
15.15	<b>Subsurface CO2 mineral trapping</b> <i>Jenny Omma, Rocktype</i>

15.40	<b>Multi-Scale 3D &amp; 4D Imaging-Based Characterisation Workflows and their Application to Carbon Storage</b> <i>Lin Ma, University of Manchester</i>
16.05	<b>Multiscale Stratigraphic Reservoir Characterization for Flow and Storage of CO<sub>2</sub>: Missing Models, Data and Quantitative Understanding</b> <i>Gary Hampson, Imperial College London</i>
16.30	<b>Assessing the Capillary Sealing Potential of Argillaceous Successions (“Shales”) in an Immiscible CO<sub>2</sub>-H<sub>2</sub>O Fluid System : Integrating Rock, Wireline Log and Seismic Data</b> <i>Rene Jonk, APA Corporation</i>
16.55	<b>CLOSING KEYNOTE: Liverpool Bay Project</b> <b>Alessandro Aleandri, ENI</b>
17.35	<b>Closing Remarks</b>
17.40	<b>End of Conference</b>

## Poster Programme

<b>A Screening Assessment of the Impact of Sedimentological Heterogeneity on CO<sub>2</sub> Migration and Storage: Sherwood and Bunter Sandstones, UK</b> <i>Jafar Alshakri, Imperial College London</i>
<b>Caprock integrity evaluation for geosequestration of CO<sub>2</sub> in depleted petroleum reservoirs</b> <i>Efenwengbe Nicholas Aminaho, Robert Gordon University, Aberdeen</i>
<b>DNA Diagnostic enabled Total Fluid Monitoring Tool applied as a Non-Invasive, Cost-Effective, Low Carbon Footprint Surveillance Technology for CCUS/CCS Complexes</b> <i>Caroline Burke, Biota Technology</i>
<b>A Screening Assessment of the Impact of Sedimentological Heterogeneity on CO<sub>2</sub> Migration and Storage: Johansen and Cook Formations, Northern Lights Project, Offshore Norway</b> <i>William A Jackson, Imperial College London</i>
<b>Large Scale Regional Carbon Capture Storage: is there a place for regional high-end quality multi-client dataset-product?</b> <i>Cyrille Reiser, PGS</i>
<b>CO<sub>2</sub> Geological Storage: Digital tools for Screening &amp; Maturation of Marketable Volumes</b> <i>Diego Vazquez Anzola, Asia Pacific Energy Solutions</i>
<b>Geologic storage of CO<sub>2</sub>: numerical modeling of the geological history for site screening and storage modeling</b> <i>Marie-Christine Cacas, IFP (w/Total)</i>
<b>Assessment of a Miocene CCS Prospect using Seismic Facies Analysis, Norwegian North Sea</b> <i>Suleyman Coskun, University of Manchester</i>
<b>Pore scale numerical modelling of CO<sub>2</sub> mineral trapping using true pore geometries</b> <i>Ryan L Payton, Royal Holloway University of London</i>



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