

Deal with the Seal 2025

Thursday 05. June

HOUR:	DESCRIPTION:
	Top and Fault Seal Assessment Session chairs: Helen Haneferd, ConocoPhillips & Matthieu Angeli, Vår Energi
09:00	Welcome and introduction Helen Haneferd, ConocoPhillips (Chair of Committee)
09:05	The time-transgressive nature of Seals & Cap Rocks. Is a tight rock the best sealing rock? Prof. Dr. Dag A. Karlsen, University of Oslo
09:30	Let's get salty: the mechanical and transport behaviour of evaporite seals Dr. Suzanne Hangx, Associate Professor Reservoir Mechanics & Geo-energy, Utrecht University
09:55	Key considerations for fault seal assessment in growth fault settings - Insights from the Smeaheia CO2 storage site Nora Holden, PhD research fellow, University of Oslo
10:20	Coffee Break
	Geomechanics Session chairs: Matthieu Angeli, Vår Energi & Asdrúbal Bernal, Equinor
10:35	Geological impacts on North Sea in-situ stress and related seal integrity for CO2 storage Lars Grande, Norwegian Geotechnical Institute Authors: D. Roberts, D. Phillips
11:00	Fault Seal and Reactivation Analysis: Key Tools for Understanding the Velocette Discovery Waqas Ahmed & Khalid Dindane, Senior Expert Geology, OMV Norway
11:25	Local stress perturbations around orthorhombic faults in the Wisting Field, Barents Sea Jake H. Butcher, PhD Fellow, Structural Geology and Geomechanics, University of Stavanger Authors: N. Cardozo, L. Schulte, L. Rojo

HOUR:	DESCRIPTION:
11:50	Closing remarks Asdrúbal Bernal, Equinor

Thursday 12. June

HOUR:	DESCRIPTION:
	Top and Fault Seal Assessment Session chairs: Elin Skurtveit, NGI & Gunn Mari Grimsmo Teige, Equinor
09:00	Welcome and introduction Elin Skurtveit, NGI
09:05	Fault Seal Analysis for Carbon Storage: a brief review Peter Bretan, Structural Geologist, Badley Geoscience Ltd
09:30	Modelling Fault Seal Uncertainty Dr. Neil Grant, Specialist Geologist, ConocoPhillips UK Holdings Ltd.
09:55	Seal Evaluation for the Trudvang Carbon Storage Site: Overcoming well data limitations in a saline aquifer storage Elle Lashko & Sander Hofker Berg, Vår Energi
10:20	Coffee Break
	Novel Characterization Methods Session chairs: Hugh Anderson, Aker BP & Elin Skurtveit, NGI
10:35	Accelerated Fault Seal Analysis with AI fault detection and extraction: an example from Smeaheia, Horda Platform, Norway Dr Peter J. McPhee, Structural Geologist, Badley Geoscience Ltd. Authors: C.G. Dillon
11:00	CO2 storage in Oligocene and Miocene North Sea sediments? Prof. Christian Hermanrud, Equinor Authors: S.K Tangedal, Equinor

HOUR:	DESCRIPTION:
11:25	<p data-bbox="405 230 989 293">Seismic textural attributes to characterise seal-unit competence</p> <p data-bbox="405 293 928 327">Professor Tiago M. Alves, Cardiff University</p> <p data-bbox="405 356 904 389">Authors: K. Kurtev, G. Moore, M. Strasser</p>
11:50	<p data-bbox="405 443 628 477">Closing remarks</p> <p data-bbox="405 477 703 510">Hugh Anderson, Aker BP</p>