

# Deal with the Seal

Wednesday 06. September

HOUR:	DESCRIPTION:
	<b>Overburden Seals and Well Abandonment</b>
09:00	<b>Welcome and introduction</b> Session chairs: Helen Haneferd & Malin Somby, ConocoPhillips
09:05	<b>Regional and field specific overburden understanding - a key for evaluations of subsurface risks and safe abandonment solutions</b> Frode Uriansrud, Senior Advisor Overburden mgt, Equinor
09:30	<b>How aquifer overpressures and a low relative permeability affect seal</b> Erling Rykkelid, Adv.Geophysicist, Aker BP  Authors: H.Smith, Scientist, NGI, E. Rykkelid, Aker BP
09:55	<b>An innovative Multidisciplinary Approach for Seal Integrity Analysis in Challenging Reservoir</b> Dr. Ehsan Daneshvar, Future Geoscience  Authors: E. Daneshvar, Dr. P. O'Neill
10:20	<b>Coffee Break</b>
10:35	<b>Natural barriers as a cost efficient and environmentally friendly method for plug and abandonment</b> Sverre Henriksen, Technology Digital & Innovation, Equinor  Authors: S. Henriksen, A.M.P. Gotusso, B. Vangdal, K. N. Madsen, N. Skjei, R. E.A. Midtbø, S. O. Stalheim, M. Niemann & M. Erdmann
11:00	<b>Shale as well Barrier</b> Tron Golder Kristiansen, Chief Engineer D&W - Rock Mechanics, Aker BP

<b>HOUR:</b>	<b>DESCRIPTION:</b>
11:25	<p><b>Bond evaluation in well construction or P&amp;A - Do we trust? NCS example in collaboration with NORCE</b>  Amit Govil, Advisor Reservoir Performance Intervention, SLB</p>
11:50	<b>Closing remarks</b>

Wednesday 13. September

<b>HOUR:</b>	<b>DESCRIPTION:</b>
<b>Challenging Trap Seals</b>	
09:00	<p><b>Welcome and introduction</b>  Session chairs: Hugh Anderson, Aker BP &amp; Hege M. Nordgård Bolås, Equinor</p>
09:05	<p><b>A systematic approach to seal definition and risking for stratigraphic, combination, and sub-unconformity traps.</b>  Dr. Eleanor Stirling, Basin &amp; Play Analysis Advisor, bp</p>
09:30	<p><b>Static vs dynamic hydrocarbon sealing, the Njord Field case study</b>  Philipp Müller, PhD, UiB</p> <p>Authors: P. Müller M.Sc. UiB, C. Hermanrud, Equinor, UiB</p>
09:55	<p><b>Predictive powers of fault seal models: does one size fit all?</b>  Prof. Christian Hermanrud, UiB, Equinor</p> <p>Authors: C. Hermanrud, Equinor, UiB, P. Müller M.Sc. UiB</p>
10:20	<b>Coffee Break</b>
10:35	<p><b>Progress in using fluid data to identify and quantify flow barriers</b>  P. Craig Smalley, Visiting Professor Department of Earth Science and Engineering, Imperial College London</p>

<b>HOUR:</b>	<b>DESCRIPTION:</b>
11:00	<b>Modelling the impact of hydrodynamics on capillary seals</b> Dr Neil T. Grant, Specialist Geologist, ConocoPhillips UK Holdings Ltd.
11:25	<b>Fault Seal Analysis in Structural Complex Settings: A case study from the Greater Bay du Nord Area, Flemish Pass Basin</b> Dr. Asdrúbal Bernal, Specialist Geology Leading Advisor Structural Analysis, Equinor
11:50	<b>Closing remarks</b>

Wednesday 20. September

<b>HOUR:</b>	<b>DESCRIPTION:</b>
	<b>Seal Analysis For Carbon Storage</b>
09:00	<b>Welcome and introduction</b> Session chairs: Michiel Van Noorden, Vår Energi & Elin Skurtveit, NGI
09:05	<b>Evolving seal considerations for the Northern Lights CCS</b> Nicholas D Thompson, Sten Rasmussen, Renata Meneguolo, Northern Lights Joint Venture DA, Equinor
09:30	<b>CO2 storage in salt basins: Influence of salt tectonics on seal integrity and containment risk</b> Sian L. Evans, Postdoctoral Research Fellow, Department of Geosciences, University of Oslo  Authors: Simen Blondel, Torsten Hundebøl Hansen, Alvar Braathen, University of Oslo Rikke Bruhn, Nautilus Carbon Services
09:55	<b>Overburden fluid migration along faults using different permeability models - Example from the North Sea</b> Tore Ingvald Bjørnarå, Senior Engineer, NGI  Authors: Bjørnarå, TI, Skurtveit, E, Michie EAH, SA Smith
10:20	<b>Coffee Break</b>

<b>HOUR:</b>	<b>DESCRIPTION:</b>
10:35	<b>Risking shale top seals to CO2 storage sites in saline aquifers</b> Quentin Fisher, Prof. of Petroleum Geoengineering, School of Earth and Environment, University of Leeds
11:00	<b>Effect of fluid properties on estimating CO2 column heights and trap fill in fault-bounded closures</b> Dr. Pete Bretan, Structural Geologist, Badleys
11:25	<b>Using legacy E&amp;P data to constrain fault seal analysis for carbon storage</b> Dr. Frauke Schaefer, Advisor Structural Geology at Wintershall Dea
11:50	<b>Closing remarks</b>