

Deal with the Seal

Wednesday 06. September

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

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

Wednesday 13. September

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

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

Wednesday 20. September

HOUR:	DESCRIPTION:
Seal Analysis For Carbon Storage	
09:00	Welcome and introduction Session chairs: Michiel Van Noorden, Vår Energi & Elin Skurtveit, NGI
09:05	Evolving seal considerations for the Northern Lights CCS Nicholas D Thompson, Sten Rasmussen, Renata Meneguolo, Northern Lights Joint Venture DA, Equinor
09:30	CO2 storage in salt basins: Influence of salt tectonics on seal integrity and containment risk 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	Overburden fluid migration along faults using different permeability models - Example from the North Sea Tore Ingvald Bjørnarå, Senior Engineer, NGI Authors: Bjørnarå, TI, Skurtveit, E, Michie EAH, SA Smith
10:20	Coffee Break

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