

Webinar: **Petroleum Systems Conference 2021**

Tuesday 02. February

HOUR:	DESCRIPTION:
09:00	Welcome to PSC 2021 Chair of the program committee, Maik Inthorn, Equinor
	Improved Source rock understanding Session Chairs: Maik Inthorn, Equinor & Bjørn Kåre Bryn, Spirit-Energy
09:10	Keynote: New data on Upper Jurassic - Lower Cretaceous petroleum source rocks in East and North-East Greenland & Cretaceous source rocks in the North Atlantic realm: indications from the Nanok-1 borehole, North-East Greenland Jørgen A. Bojesen-Koefoed, Chief Consultant (M.Sc., Ph.D.), Department of Reservoir Geology, GEUS
09:40	Lower Cretaceous source rocks on the SW Barents Shelf Andreas H. Hagset, ARCEX – Research Centre for Arctic Petroleum Exploration, Department of Geosciences, UiT The Arctic University of Norway
10:05	Facies and source rock variations within the Hekkingen Formation Andres Cedeño, University of Stavanger
10:30	Break
10:50	The role of water mass restriction vs production on Lower-Middle Triassic source rock formation in Svalbard Fredrik Wesenlund, PHD candidate, ARCEX – Research Centre for Arctic Petroleum Exploration, Department of Geosciences UiT The Arctic University of Norway
11:15	The Upper Permian Ørret Formation source rock potential in well NO 7132/2-2 Gjøkåsen Deep Olaf Thießen, Specialist Geology - Petroleum System Analysis, Equinor ASA
11:40	Why do not source rock presence always correlate with gamma-ray spikes? Solveig Hellen, University of Stavanger

HOUR:	DESCRIPTION:
12:05	Lunch Session Chairs: Rolando di Primio, Lundin & Elin Rein, Equinor
12:55	A source rock's life and death simulated with the Expulsinator 2.0 Martin Stockhausen, Christian-Albrechts-University - Kiel Institute of Geosciences
13:20	Quantitative organo-facies mapping in a sequence stratigraphic framework Dr. Birger Dahl, CEO, Pegis
13:45	Delimiting source rock intervals and evaluating maturity based on mud-gas analysis and techniques Trym Rognmo, GeoProvider
14:10	Break
	Data integration, digitalization and advanced analytics
14:30	Keynote: Data Driven Petroleum Phase Prediction (A Top-Down Basin Modelling Approach for Conventional Exploration) Dr. Friedemann U. M. Baur, Senior Petroleum Systems Analyst, Chevron
15:00	Machine learning based oil family classification above 62 degrees north Benedikt Lerch, Aker BP
15:25	Coffee Break - Time to refill
15:30	TOC prediction from well logs using machine learning Alejandro Kuha, Geophysicist - Exploration, Wintershall Dea Norge
15:55	Machine learning prediction of hydrocarbon pay Daniel Stoddart, Principal Geo/Data Scientist, Earth Science Analytics AS
16:20	Probabilistic resource assessment using Bayesian Networks to update uncertainty in Basin Modeling Tanvi Cheda, PHD candidate, Stanford University
16:45	End of Day 1

Wednesday 03. February

HOUR:	DESCRIPTION:
09:00	Welcome to day two PSC 2021 Session Chairs: Jon Erik Skeie, Aker BP & Balazs Badics, Wintershall DEA
	Petroleum systems analysis case studies for play and prospect evaluations and modeling
09:05	Keynote: Future Developments in Petroleum Systems Modeling Bjørn Wygrala, Schlumberger
09:35	Using widespread natural gas seepage from the seafloor to better understand the petroleum systems in the Barents Sea Rune Mattingsdal, Geolog, Oljedirektoratet
10:00	Gas leakage history of the Vestnesa ridge - inferences from high resolution PSA modelling Matthias Daszinnies, Migris
10:25	Break
10:50	Revisiting the Trøndelag Platform Petroleum System, Norwegian Sea Eric Mueller, Manager G&G, PGS
11:15	Charge History of the Utsira High Rolando di Primio, Exploration Geology Manager, Lundin Energy
11:40	Extending Basin & Petroleum Systems Modelling into Probabilistic Asset Evaluation in Exploration and Appraisal Dr. Martin Neumaier, Imperial College London
12:05	Lunch <i>Join the Petroleum Systems Quiz at 12.35 pm</i>
	Reservoir geo Session Chairs: Jorge Sánchez-Borque, Norwegian Petroleum Directorate & Sverre Ohm, UiS
12:55	Keynote: Reservoir fluid mapping while drilling using advanced mud gas Tao Yang, Equinor

HOUR:	DESCRIPTION:
13:25	Challenges in finding End members for Production Allocation Thorsten Uwe Garlichs, Petroleum Systems Geologist, Exploration, Wintershall Norge AS
13:50	High-resolution NMR: a new data set for whole oil geochemical analysis Trond Brekke, Exploro
14:15	Break
	Petroleum systems analysis case studies for play and prospect evaluations and modeling
14:30	Geochemistry and Basin Modelling Study of the Intermediate and Distal Sectors of the Mid Norway Margin: Implications for the Petroleum Systems and Prospectivity of the Deep Norwegian Sea Tiago Cunha , IGI
14:55	Non Jurassic-sourced petroleum systems - a review and regional implications Chris Parry, GeoProvider
15:20	Coffee Break - Time to refill
15:25	Derisking migration, vertical and lateral seal in plays and prospects on the NCS using advanced mud gas analysis Wim Lekens, GeoProvider
15:50	An oil-prone, lacustrine source rock in the Middle Jurassic on the southern Utsira High Steve Killops, Applied Petroleum Technology
16:10	Geochemical database for the petroleum industry Jorge Sanchez-Borque, The Norwegian Petroleum Directorate
16:15	Closing remarks