

Energy Norway 2023

Subsurface for energy security and sustainability

Monday 13. March

HOUR:	DESCRIPTION:
09:00	Workshop - Subsurface water management for reduced CO2 emissions Registration
09:45	Welcome! Tina Puntervold, Associate Professor, University of Stavanger, Chair conference programme committee
10:00	Water management challenges Kirsti Veggeland, Norwegian Petroleum Directorate
10:25	eCalc™ - Energy and emission calculations for better decisions Marlene Louise Lund, Equinor
10:50	Coffee Break
11:15	Water production: Effect of wettability alteration and accelerated oil production Aruoture Voke Omekeh, NORCE
11:40	Why Smart Water is the solution for reduced CO2 emission/water production Skule Strand, UiS
12:05	Reducing produced water and CO2 emission of upstream operations by CCUS and IOR/EOR: a thermodynamic perspective Ali A. Eftekhari, Technical University of Denmark
12:30	Lunch
13:20	Increased Reservoir Sweep Efficiency using Foam Mobility Control Zachary Alcorn, University of Bergen
13:45	Reduced CO2 emission - does it open a new route to conformance control? Arne Stavland, NORCE
14:10	Snorre conformance control - impact on oil recovery and CO2 footprint Felix Feldmann, NORCE

HOUR:	DESCRIPTION:
14:45	Coffee Break
15:00	Can produced water be used as IOR fluid? Ingebret Fjelde, NORCE
15:50	Discussion Host: Ying Guo, NORCE
16:30	End of workshop
17:00	Ice breaker at Jernaldergården - "Iron age farm" Finger food

Tuesday 14. March

HOUR:	DESCRIPTION:
09:00	Registration at Tjodhallen
10:00	Opening session - Host: Tor Øyvind Skeiseid - Klaus Mohn, rector University of Stavanger - Alejandro Escalona, NCS2030 director - Rune Volla, director Research Council of Norway
10:50	Session 1 - The future of the NCS
10:50	"The resource potential on the NCS" Torgeir Stordal, Norwegian petroleum directorate, NPD
11:05	"Technology that halves greenhouse gas emissions" Gunnar Lille, OG21
11:20	"Is restricting oil supply a viable climate policy? Quantifying supply-side climate policies" Torfinn Harding, UiS Business School
11:35	Q&A - Poster announcement - 1 minute per candidate
12:00	Lunch

HOUR:	DESCRIPTION:
13:00	Session 2 - Energy security and reduced emissions
13:00	<p>"A changing European Energy Security Paradigm in the global quest for reduced CO2 emissions - role of early market innovation hubs"</p> <p>Jostein Dahl Carlsen, CEO and President, Gas and Oil Technology Collaboration Programme, IEA</p>
13:15	<p>"Energy security in the gas market - a Polish perspective"</p> <p>Adam Gniazdowski, Head of Unit for Natural Gas, Polish Ministry for Climate and Environment</p>
13:30	<p>"Nuclear Energy in Norway?"</p> <p>Sunniva Rose, Chief Communications Officer of Norsk Kjernekraft AS</p>
13:45	<p>"Geothermal closed loop technology"</p> <p>Ola Vestavik, Reelwell</p>
14:00	Q&A
14:15	Coffee Break
14:45	<p>Session 3 - Pathways to achieve net-zero targets</p> <p>Marta Rós Karlsdóttir, The National Energy Authority of Iceland</p>
15:00	<p>"Building a CCS value chain for Europe"</p> <p>Steinar Midthun Kolstø, WintershallDea</p>
15:15	<p>"An Integrated Approach to Net Zero in Remote Regions"</p> <p>Lesley James, Memorial University of Newfoundland</p>
15:30	<p>"Subsurface H2 Storage in Texas: Opportunities and Challenges"</p> <p>Lorena Moscardelli, University of Texas at Austin</p>
15:45	Q&A
16:00	Coffee Break

HOUR:	DESCRIPTION:
16:20	<p>Panel session: “Future Energy Security for Europe” Hosted by Tor Øyvind Skeiseid -Andreas Bjelland Eriksen, Ministry of Petroleum and Energy -Gunnar Lille, OG21 -Torgeir Stordal, NPD -Nicholas John Ashton, Equinor</p>
16:55	End of conference day 1
19:00	Conference Dinner at Hotel Victoria

Wednesday 15. March

HOUR:	DESCRIPTION:
09:00	<p>Welcome and opening Tor Øyvind Skeiseid</p>
09:10	Session 1 - Reservoir management for reduced emissions
09:10	<p>“From Subsurface to Surface integration for a NET ZERO target” César Patiño, IEA</p>
09:25	<p>“From offshore polymer pilot to full-field EOR development, the Captain story” Geoff Johnson, Ithaca Energy</p>
09:40	<p>“Computational Rock Physics” Erik Saenger, Bochum University of Applied Sciences</p>
09:55	Q&A
10:10	Coffee Break
10:30	Session 2 - Subsurface storage opportunities
10:30	<p>“Potential leakage mechanisms and their relevance to CO2 storage site risk assessment and safe operation” Viktoriya Yarushina, IFE</p>

HOUR:	DESCRIPTION:
10:45	<p>“Trapping the Gases: Exploration for Potential On and Offshore Underground Geo Storage Sites (CO₂ , CH₄ , H₂) in Greece; An Overview”</p> <p>Spyridon Bellas, Twinn2Set, Institute of GeoEnergy, FORTH</p>
11:00	<p>"Permanent sequestration of gigatons of CO₂ in continental margin basalt deposits"</p> <p>Sverre Planke, Volcanic Basin Energy Research</p>
11:15	<p>Q&A</p> <p>Poster announcement - 1 minute per candidate</p>
11:40	<p>Lunch</p>
12:50	<p>Session 3 - The digital subsurface</p>
12:50	<p>“Federated Knowledge Cloud for Digital Subsurface”</p> <p>Chunming Rong, UiS</p>
13:05	<p>“Digital Subsurface Integration”</p> <p>Alexander Shadchnev, Slb</p>
13:20	<p>“Probabilistic Production Forecasts: Optimistic and Overconfident - Over and Over Again”</p> <p>Reidar Bratvold, UiS:</p>
13:35	<p>“Digital Subsurface: A Success Story From Idea to Implementation”</p> <p>Tao Yang, Equinor</p>
13:50	<p>Q&A</p>
14:05	<p>Coffee Break</p>

HOUR:	DESCRIPTION:
14:35	<p>Panel session: “Energy security and sustainability from a research centre perspective</p> <ul style="list-style-type: none"> - Alejandro Escalona, NCS2030 : "NCS sustainable energy hubs, challenges and opportunities" - Harald Linga, SFI-SWIPA P&A: “Innovation-driven R&D for well barriers and P&A” -Fionn Iversen, FME HyValue: “The potential for hydrogen as an energy carrier in the future energy mix”. -Morten Jeppesen, DTU Offshore: “The Danish Offshore Technology Centre: Tailormade R&D solutions for the energy transition” -Sina Rezei-Gomari, NZIIC, UK: “Importance of Hydrogen in the UK’s energy security and decarbonation ambition: focusing on overcoming the challenges of hydrogen storage and distribution”
15:30	Discussion
15:50	<p>Skjæveland Award Merete Vadla Madland, prorector UiS</p>
16:00	<p>Summary of the conference Camilla Vavik Pedersen, Equinor</p>
16:05	End of Energy Norway 2023 - Welcome back in 2024!