

4-7 NOVEMBER 2024

ROTTERDAM, THE NETHERLANDS



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Information is accurate as of 21 October. Full details of the presentations and the most up-to-date information can be found on our website www.eageget.org or in the Event App.

Session Overview-Tuesday 5 November

CONFERENCE	SESSION NAME	TIME	LOCATION
CCS	Dedicated Session: CCS Value Chain and Hub Development: Perspective and Challenge	11:50-13:10	Rotterdam Hall 2
Geothermal Energy	Geothermal Potential Assessment through Integration of Multiple Geophysical Techniques and Geological Mapping	11:50-13:10	Penn Room 2
Geothermal Energy	New Plays and Developments in the Dutch Geothermal Sector	11:50-13:10	Mees Room 1
Hydrogen & Energy Storage	Dedicated Session: Subsurface Energy Storage Technologies	11:50-13:10	Mees Room 2
Hydrogen & Energy Storage	Case Studies Hydrogen Storage	11:50-13:10	Veder Room
Offshore Wind	Seismic Data Processing	11:30-13:10	Tokyo Room
CCS	Wells in the Context of CCS	14:10-15:30	Rotterdam Hall 2
CCS	Assuring Geological Containment Through Overburden/Seal Characterisation	14:10-15:50	Leeuwen Room 1&2
CCS	Modelling Fluid-Rock Interactions for CCS	14:10-15:50	Penn Room 1
Geothermal Energy	Dedicated Session: Geophysical Data-Acquisition to Accelerate Geothermal Development in the Urban Environment	14:10-15:50	Penn Room 2
Geothermal Energy	Dedicated Session: Geothermal Tech Innovation in the Netherlands	14:10-15:50	Mees Room 1
Hydrogen & Energy Storage	Dedicated Session: Understanding Natural Hydrogen Systems	14:10-15:50	Mees Room 2
Hydrogen & Energy Storage	Hydrogen Value Chain & Societal Impacts	14:10-15:50	Veder Room
Offshore Wind	Dedicated Session: UXO Risk Management: Challenges & Opportunities	14:10-15:50	Tokyo Room
	Extended Coffee Break & Poster Session (Tue)	15:50-16:40	Exhibition floor
CCS	Dedicated Session: Reservoir Modelling in a CCS Hub Context	16:40-18:00	Rotterdam Hall 2
CCS	Progress in Machine Learning in the Context of CCS Technology	16:40-18:00	Leeuwen Room 1&2
CCS	Dealing with Seismicity Risks	16:40-17:20	Penn Room 1
CCS	Approaches and Case Studies for CCS Pore Space Screening 1	17:20-18:00	Penn Room 1
Geothermal Energy	Advancements in Geophysical Exploration and Monitoring Techniques for Geothermal Resource Development	16:40-18:00	Penn Room 2
Geothermal Energy	Geothermal Heat Production and Storage	16:40-18:00	Mees Room 1
Hydrogen & Energy Storage	Dedicated Session: Lessons Learned & Opportunities in Hydrogen Storage	16:40-18:00	Mees Room 2
Hydrogen & Energy Storage	Geochemistry of Hydrogen Storage	16:40-18:00	Veder Room
Offshore Wind	Case Studies 1 (Offshore Wind)	16:40-18:00	Tokyo Room

Session Overview-Wednesday 6 November

CONFERENCE	SESSION NAME	TIME	LOCATION
CCS	Dedicated Session: The Future of Monitoring and the Current Challenges	08:45-10:05	Rotterdam Hall 2
Geothermal Energy	Geothermal Well Construction, Modeling and Optimization 1	08:45-10:05	Penn Room 2
Geothermal Energy	Dedicated Session: New Horizons	08:45-10:05	Mees Room 1
Hydrogen & Energy Storage	Panel Discussion: The Hydrogen Economy-From Source to Market	08:45-10:05	Mees Room 2
Offshore Wind	Case Studies 2 (Offshore Wind)	08:45-10:05	Veder Room
Offshore Wind	Boulder & Object Detection Methods	08:45-10:05	Tokyo Room
CCS	Pore to Reservoir Scale Heterogeneity Characterization for CCS	10:30-11:50	Rotterdam Hall 2
CCS	Approaches and Case Studies for CCS Pore Space Screening 2	10:30-11:50	Leeuwen Room 1&2
CCS	Progress in Machine Learning in the Context of CCS Technology 2	10:30-11:50	Penn Room 1
Geothermal Energy	Geothermal Well Construction, Modeling and Optimization 2	10:30-11:50	Penn Room 2
Geothermal Energy	Assessment and Development of Geothermal Reservoirs	10:30-11:50	Mees Room 1
Hydrogen & Energy Storage	Dedicated Session: Underground Hydrogen Storage Pilot Projects 1	10:30-11:50	Mees Room 2

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CONFERENCE	SESSION NAME	TIME	LOCATION
Offshore Wind	Dedicated Session: Geoscience Perspectives: End-of-Life Strategies for Offshore Wind Farms	10:30-11:50	Tokyo Room
CCS	Dedicated Session: Opportunities and Challenges of CO2 Storage in Depleted Fields	13:50-15:30	Rotterdam Hall 2
CCS	Advances in Geophysical Monitoring Technology 1	13:50-15:30	Leeuwen Room 1&2
CCS	Near-Wellbore Rock Fluid Interactions Focused around Salt Precipitation	13:50-15:30	Penn Room 1
Geothermal Energy	Advancing Geothermal Energy: New Ideas and Cross-Sectoral Solutions	13:50-15:30	Penn Room 2
Geothermal Energy	Structural Geology and Fault Dynamics in Geothermal Reservoirs	13:50-15:30	Mees Room 1
Hydrogen & Energy Storage	Flow Behaviour in Hydrogen Storage Reservoirs	13:50-15:30	Mees Room 2
Offshore Wind	Geohazards	13:50-15:30	Veder Room
Offshore Wind	Inversion Approaches for UHR Seismic	13:50-15:30	Tokyo Room
CCS	Extended Coffee Break & Poster Session (Wed)	15:50-16:10	Exhibition floor
Geothermal Energy	Dedicated Session: Delft Subsurface Energy Lab – Campus Geothermal Well	15:50-17:30	Mees Room 1
Geothermal Energy	Dedicated Session: Opportunities and Challenges of Critical Mineral Extraction from Geothermal Fluids	15:50-17:30	Penn Room 2
Hydrogen & Energy Storage	Dedicated Session: Underground Hydrogen Storage Pilot Projects 2	15:50-17:10	Mees Room 2
Offshore Wind	Challenges and Opportunities	15:50-17:30	Veder Room
Offshore Wind	Dedicated Session: A Highlight of Efforts Related to Offshore Wind Projects in the EAGE LC Netherlands Community	15:50-17:30	Tokyo Room
CCS	Dedicated Session: The Opportunities & Risk of Wells in CCS Operations	16:10-17:30	Rotterdam Hall 2
CCS	CO2 Reservoir Modelling Tools and Workflows 1	16:10-17:30	Leeuwen Room 1&2
CCS	Advances in Geophysical Monitoring Technology 2	16:10-17:30	Penn Room 1

Session Overview-Thursday 7 November

CONFERENCE	SESSION NAME	TIME	LOCATION
Geothermal Energy	Keynote Speaker: Oman's Vision 2040 Plan to Increase Renewable Energy: Evaluation of Geothermal Potential	08:45-09:25	Mees Room 1
Hydrogen & Energy Storage	Dedicated Session: Energy System integration	08:45-10:05	Mees Room 2
Offshore Wind	Dedicated Session: MetOcean measurements in offshore wind farm design	08:45-10:05	Tokyo Room
CCS	CO2 Reservoir Modelling Tools and Workflows	09:05-10:05	Rotterdam Hall 2
CCS	Approaches to CCS Appraisal and Learnings	09:05-10:05	Leeuwen Room 1&2
Geothermal Energy	Assessment and Repurposing of Former Oil and Gas Reservoirs and Wells	09:25-10:05	Mees Room 1
CCS	CO2 Storage in EOR Context	10:30-11:30	Rotterdam Hall 2
CCS	CCS Monitoring Strategy Case Studies	10:30-11:30	Leeuwen Room 1&2
Geothermal Energy	The Role of Data in Resource Assessment	10:30-11:50	Penn Room 2
Geothermal Energy	Dedicated Session: Business Case and Economics: Geothermal and District Heating in the Netherlands	10:30-11:50	Mees Room 1
Hydrogen & Energy Storage	Keynote Speaker: The future of the global hydrogen economy: challenges and opportunities for projects related to the hydrogen import goals in the EU	10:30-11:10	Mees Room 2
Offshore Wind	Dedicated Session: Bridging the Gap between Geophysical and Geotechnical Data for Offshore Wind Engineering 1	10:30-11:50	Tokyo Room
Hydrogen & Energy Storage	Keynote Speaker: change to The climate effects of hydrogen and hydrogen leakage detection	11:10-11:50	Mees Room 2
CCS	Dedicated Session: Onshore vs Offshore Storage-a Tell Tale of Cost vs Social Acceptance	13:50-15:30	Rotterdam Hall 2
Geothermal Energy	Dedicated Session: Unlock European Geothermal Power: Past, Present and Future	13:50-15:30	Mees Room 1
Hydrogen & Energy Storage	Natural Hydrogen	13:50-15:30	Mees Room 2
Offshore Wind	Prediction of Ground Properties	13:50-15:30	Tokyo Room
CCS	Prospect/Project Case Studies	15:50-17:30	Rotterdam Hall 2
Geothermal Energy	Dedicated Session: Exploring New Roads for a Sustainable and Risks Free Geothermal Energy Production – European Projects Case Studies	15:50-17:30	Mees Room 1
Geothermal Energy	Dedicated Session: Best Papers of EAGE Geothermal Workshop 2023	15:50-17:30	Penn Room 2
Hydrogen & Energy Storage	Geophysical Monitoring and Well Integrity for H2 Storage	15:50-17:30	Mees Room 2
Offshore Wind	Dedicated Session: Bridging the Gap between Geophysical and Geotechnical Data for Offshore Wind Engineering 2	15:50-17:30	Tokyo Room

Oral Presentations - Tuesday 5 November

ROTTERDAM HALL 2		PENN ROOM 1		LEEUWEN ROOM 1&2	
08:45	GET Opening Ceremony & Plenary Strategic Session: Resilient Value Chains for the Energy Transition				
10:45	Coffee Break (Tue AM)				
11:10	CCS Conference Welcome and Opening Keynote				
	Dedicated Session: CCS Value Chain and Hub Development: Perspective and Challenge				
11:50	Moderators: S. López Kovács (Repsol), C. Coll (The UNECE Expert Group on Resource Management)				
13:10	Lunch (Tue)				
	Wells in the Context of CCS	Modelling Fluid - Rock Interactions for CCS		Assuring Geological Containment Through Overburden/Seal Characterisation	
14:10	Advancing Well Integrity Screening for CCS Applications: WISCOs, A Comprehensive Tool for Risk Assessment - V. Zikovic (TNO)	14:10	Reactive transport modelling for CO2 storage with H2 as a contaminant - J. Van Winden (Shell Global Solutions International B.V.)	14:10	Rock Properties of the Fjerritslev Formation Seal, Danish North Sea, from Cuttings Elemental Data - N. Schovsbo (GEUS)
14:30	CO2 Leak Rate Estimation for a CCS Well in a Depleted Field in the North Sea - A. Moghadam (TNO)	14:30	Computer modelling of CO2-H2S interaction with a mixed carbonate-clastic saline aquifer - A. Tchistiakov (Center for Petroleum Science and Engineering)	14:30	Thermal Impact on CCS Geomechanics Risk Assessment: Advancing from Analytical Methods to Cutting-Edge Near-Wellbore Coupled Simulations - K. Adisornsupawat (PTT Exploration And Production)
14:50	Revolutionizing CCS Wells: Economically Feasible Design Innovations - A. Hassan (Norwegian University of Science and Technology)	14:50	How Brine Composition Impacts CO2 Storage in Depleted Carbonate Reservoirs - P. Gusmao (Heriot Watt University)	14:50	De-risking fault leakage risk and containment integrity for geological CO2 storage - K. Bisdorn (Shell Global Solutions International BV)
15:10	Simulations of CO2 transport and storage networks representative of the Dutch North Sea - D. Van Nimwegen (TNO)	15:10	CCS modelling in depleted Carbonate Reservoirs: Coupled Trapping mechanisms - A. Comanescu (Vysus Group)	15:10	Experimental evaluations of capillary entry pressure for caprock sealing capacity in Carbon Capture and Storage - S. Pang (Technical University of Clausthal)
		15:30	Carbon Dioxide Mineralization Simulation in Plagioclase Rocks: Anorthite and SACROC CMG Model Case Study - B.K. Tripathi (Indian Institute Of Technology Guwahati)	15:30	Gas Chimneys and potential fluid migration: an observation from the southern North Sea - M.J. Rahman (University of Bergen)
15:50	EXTENDED COFFEE BREAK & POSTER SESSION (SEE PAGE 17-18)				
	Dedicated Session: Reservoir Modelling in a CCS Hub Context	Dealing with Seismicity Risks		Progress in Machine Learning in the Context of CCS Technology	
16:40	Moderators: S. López Kovács (Repsol), C. Coll (The UNECE Expert Group on Resource Management)	16:40	Quantitative early assessment methodology to compute induced seismicity risk for geothermal and geological carbon storage operations - A. Perez (REPSOL, S.A.)	16:40	Optimizing CO2 Injection Rates in CCS: A Bayesian Approach for Realistic Business Efficiency - I. Ismail (Hellenic Hydrocarbons and Energy Resources Management Company (HEREMA))
		17:00	Assessment of Microseismicity during CO2 Injection - An Integrated Workflow - S. Bakhtiari (bp)	17:00	Near-surface characterization through quantum annealing for CO2 monitoring - P. Zwartjes (Aramco Overseas Company BV)
		Approaches and Case Studies for CCS Pore Space Screening 1		17:20	Utilising AI Horizon, AI Faults and traditional attributes for characterising a potential CCS storage site - H. Whittaker (Geoteric)
		17:20	CO2 aquifer storage potential in the Netherlands; a play inventory in the Geode Resource Atlas - H. De Haan (EBN)	17:40	Geologically guided Deep Learning for Predicting Properties in CO2 Storage Sites with Sparse Well Control - A. Heir (RagnaRock Geo)
		17:40	Data, skills and tools needed for carbon storage prospect assessment - M. Neumaier (ArianeLogiX)		

Oral Presentations - Tuesday 5 November

PENN ROOM 2		MEES ROOM 1	
10:45	Coffee Break (Tue AM)		
11:10	Geothermal Energy Conference Welcome & Opening Keynote		
Geothermal Potential Assessment through Integration of Multiple Geophysical Techniques and Geological Mapping		New Plays and Developments in the Dutch Geothermal Sector	
11:50	Comprehensive Geothermal Assessment of Aachen's Devonian and Carboniferous Carbonates: Insights from Integrative Geological Analysis - E. Gomez (RWTH Aachen; ETH Zurich)	11:50	The SCAN Legacy Core Study on Rotliegend deposits, Onshore The Netherlands - F. De Reuver (Panterra Geoconsultants B.V.)
12:10	GEOTHERMAL ENERGY POTENTIAL IN THE UK WITH A FOCUS ON THE WORCESTER GRABEN - N. Hardy (Hardy Exploration Consulting)	12:10	Geomechanical data acquisition in SCAN wells: parameters and constraints for future geothermal development in The Netherlands - A. Janszen (EBN)
12:30	Geothermal potential assessment via Multiphysics modelling: a case study from Gran Canaria - L. De Luca (SLB)	12:30	Accelerating geothermal development based on ThermoGIS information and a play-based exploration approach - M. Van Unen (TNO)
12:50	Multiphysics data acquisition and modelling in a highly urbanized area: a case study from Northern Ireland - F. Ceci (SLB)	12:50	Leaching of the Triassic: Implications for an underexplored geothermal play in the Netherlands - Q. Boersma (IF Technology)
13:10	Lunch (Tue)		
Dedicated Session: Geophysical Data-Acquisition to Accelerate Geothermal Development in the Urban Environment		Dedicated Session: Geothermal Tech Innovation in the Netherlands	
14:10	Moderator: A. Janszen (EBN)	14:10	Moderator: R. Vorage (Geothermie Nederland)
15:50	EXTENDED COFFEE BREAK & POSTER SESSION (SEE PAGE 17-18)		
Advancements in Geophysical Exploration and Monitoring Techniques for Geothermal Resource Development		Geothermal Heat Production and Storage	
16:40	Distributed Acoustic Sensing for Seismic Monitoring: A Geothermal Case Study in Switzerland - Q. Hirsch (Swiss Geo Energy)	16:40	Towards a scientifically sound approach for ATES decision-making by incorporating uncertainty in models - L. Tas (Ghent University)
17:00	Numerical simulation of geophysical monitoring for fluid injection with the long-electrode electric survey - Z. Yuan (Southern University of Science and Technology)	17:00	Exploring the shallow: results of a data acquisition well in the Dutch Cenozoic succession - M. Brussée (EBN B.V.)
17:20	Evaluating Geothermal Fluid Production Impact on Density Using Time-Lapse Microgravity in Awibengkok Field - M. Machrani (Institut Teknologi Bandung)	17:20	Harvesting geothermal energy from salt structures onshore Northern Europe - K.G. Maver (Green Therma)
17:40	Managing ambient noise in urban seismic acquisition for geothermal: the case for night operations - B. Tayart (Smart Seismic Solutions)	17:40	Impact of aquifer properties and well configurations on ATES and open-loop shallow geothermal systems - C. Jacquemyn (Imperial College London)

Oral Presentations - Tuesday 5 November

MEES ROOM 2		VEDER ROOM	TOKYO ROOM
10:45	Coffee Break (Tue AM)		
11:10	Hydrogen and Energy Storage Conference Welcome & Opening Keynote		11:10 Offshore Wind Conference Welcome
			Seismic Data Processing
Dedicated Session: Subsurface Energy Storage Technologies		Case Studies Hydrogen Storage	11:30 Enhancing Offshore Wind Farm Site Characterization with 3D Ultra-High-Resolution Seismic Acquisition and Processing - L. Limonta (TGS)
11:50	Moderators: A. Loschetter (Brgm), K. de Borst (Shell Global Solutions International)	11:50 Pilot vs commercial scale underground hydrogen storage in depleted gas fields in SE Australia - J. Ennis-king	11:50 Optimal Acquisition and Processing Recommendations for SCS in Offshore Site Investigations - P. Cox (RockWave))
		12:10 Underground Hydrogen Storage in the Netherlands – challenges & opportunities - B. Jaarsma (EBN B.V.)	12:10 INTOG the Unknown: Processing Sub-bottom profiler data beyond conventional practice. A North Sea case study - K. Kubiak (ROVCO)
		12:30 Feasibility of UHS in Baltic Basin: A Case Study of Lithuanian Reservoir in diverse geological settings - S. Malik (Kaunas University of Technology)	12:30 Deep Learning-based De-ghosting on Ultra-High Resolution Seismic Data in New Energy Applications - R. Van Borselen (Shearwater Geoservices)
			12:50 What Can Generative Modelling Do for Interpolation of Extremely Sparse Wind Farm Seismic Data? - T. Wang (Shearwater Geoservices)
13:10	Lunch (Tue)		
Dedicated Session: Understanding Natural Hydrogen Systems		Hydrogen Value Chain & Societal Impacts	Dedicated Session: UXO Risk Management: Challenges & Opportunities
14:10	Moderators: D. Palmowski (Terranta GmbH), C. Heine (Shell)	14:10 Evaluation of the Hydrogen Value Chain: Integrating Production with Distribution Networks - J. Fink (Montanuniversität Leoben)	14:10 Moderators: W. Fontein (GEO.xyz BV), G. Salaün (Ørsted)
		14:30 Assessing the Regional Demand for Geological Hydrogen Storage in the UK: A Strategic Case for Investment - J. Todd (Arup)	
		14:50 Modelling Hydrogen Storage Requirements to Balance the Future Western Australian Grid - Y. Rhee (The University Of Western Australia)	
		15:10 Application of the Societal Embeddedness Level methodology to underground hydrogen storage in the Netherlands - T. Bosch (TNO)	
		15:30 Mining for a greener future – how salt mining in Zuidwending facilitates the energy transition - A. Van der Molen (Nobian Industrial Chemicals B.V.)	
15:50	EXTENDED COFFEE BREAK & POSTER SESSION (SEE PAGE 17-18)		
Dedicated Session: Lessons Learned & Opportunities in Hydrogen Storage		Geochemistry of Hydrogen Storage	Case Studies 1 (Offshore Wind)
16:40	Moderators: C. Martin-Clave (AtkinsRealis), S. Kuchling (Geothermie Neubrandenburg GmbH)	16:40 Geochemical Perspectives on underground energy storage coupled with CO2 utilisation and sequestration: Insights from CEEGS - D. Behnous (University of Evora)	16:40 Relation between gas chimneys and glacial tunnel valleys: an observation from the southern North Sea - M.J. Rahman (University of Bergen)
		17:00 Geochemical Characterization and Implications for Underground Hydrogen Storage: A Case Study In North Dakota's Geological Formation - F. Ebere (University Of North Dakota)	17:00 Geological model development for an offshore wind farm site in the German North Sea - M.T. Dalgaard (Ramboll Copenhagen)
		17:20 Geochemical reactivity of H2 during subsurface hydrogen storage: impact on pyrite reduction - J. Van Winden (Shell Global Solutions International B.V.)	17:20 Pleistocene River Valleys and Glacial Tunnel Valleys in the Danish Sector of the North Sea - M. Van Cappelle (Fugro)
		17:40 Sandstone hydrogen exposure experiment under in-situ reservoir conditions from a depleted and decommissioned gas field - B. Emmel (Sintef)	

Poster Presentations - Tuesday 5 November

POSTER SESSION	
15:50	A “end-to-end” modelling approach for CO2 injection into depleted gas fields - J. Hild (EBN B.V.)
	A novel integrated approach for the evaluation of the Reference Seabed Level (RSBL) for cable burial - M. Calarco (Rina Consulting S.p.a.)
	Advancing Passive/Microseismic Technology to Monitor Subsurface Reservoir During CO2 Injection - R. Bitrus (Tenzorgéo)
	AI-Powered Electricity Price Forecasting for Hydrogen Production - K. Vadivel (SIb)
	An analysis of wave and current induced scour around monopiles in cohesive soil - S. Vio (Rina Consulting S.p.a.)
	An Update on the United Downs Geothermal Project, Cornwall - T. Olver (Geothermal Engineering Ltd.)
	Application of the Finite Difference Method in geothermal wellbore simulator with brine and changing production schedule - K. Pierzchała (Mineral and Energy Economy Research Institute of Polish Academy of Sciences)
	Assessing CO2 Storage Capacity in Saline Aquifers of the Llanos Basin, Colombia - M. Rodriguez-Ramirez (Adhamas Energy)
	Assessing CO2 Storage Potential of Mae Sod Formation in Lampang Basin, Northern Thailand, using Petrophysical Analysis - S. Maneethien (Chiang Mai University)
	Assessing the Optimal Resource Mix for Deep Decarbonization of the Indian Power Sector - A.D.C. Arul Babu (Department of Energy Science and Engineering, Indian Institute Of Technology Bombay, Mumbai)
	Brazilian offshore saline aquifers as CCS prospects - M.J. Kreutz Erdtmann (Petrobras - Petroleo Brasileiro SA)
	CO2 storage Environmental Baseline - B.W. Lauridsen (GEUS)
	Colour Your Geophysics: Enhancing Your Ground Model with Marine Electrical Resistivity Tomography (MERT) - A. Weller (MAPPEM Geophysics)
	Constraining the Source of Natural Hydrogen Gas in the Southern Paraná Basin (Brazil) - H. Serratt (UNISINOS)
	Deep Neural Network Applied to Predict Geothermal Potential - A.P. Santana (Petroleo Brasileiro S A Petrobras)
	Deghosting of Ultra-High Resolution seismic data with deep learning - B. Farmani (TGS)
	Delineation and well placement optimization for 3D geological modelling in carbon capture and sequestration - A. Alaraifi (Saudi Aramco)
	Enabling temporary geological CO2 storage: insights from the ConsenCUS project - A. Ougier-Simonin (British Geological Survey)
	Enhancing Downhole Sensor Monitoring through Acoustic Communication and Power Transfer - M. Perez Fernandez (TotalEnergies)
	Exergy Analysis of Adiabatic Compressed Air Storage System (CAES) - B. Baghirov (Delft University of Technology)
	Exploration maps for geothermal applications in Lower Saxony, NW-Germany – from overview to a detailed level - R. Pierau (State Authority for Mining, Energy and Geology)
	Exploring interactions between groundwater extraction and shallow geothermal energy to use the subsurface optimally and sustainably - W. Deleersnyder (Ghent University)
	Exploring the White Hydrogen Potential of the Andaman Basin's Sea Floor Spreading Centre - S. Gorain (Directorate General of Hydrocarbons, under the Ministry of Petroleum and Natural Gas, India)
	Feasibility of seismic monitoring for underground hydrogen storage in porous media using elastic full waveform inversion - S. Masaya (INPEX)
	Field scale modelling of biomineralization in porous media to mitigate CO2 leakage challenges - H. Younesian Farid (DTU)
	FRACTURE BEHAVIOR IN 4140 STEEL SUBJECTED TO HEAT TREATMENTS UNDER THE INFLUENCE OF IN-SITU HYDROGEN CHARGING - A. Ahmed (Hitec University Taxila Cantt)
	Fractured caprock failure criterion in the context of underground CO2 storage - R. Mesquita (Heriot-Watt University; Reservoir Technology, PETROBRAS)
	From lab experiment to modelling: an integrated approach to understand natural hydrogen as an energy resource - D. Bonté (IFP Energies Nouvelles)
	Game theory approach of stakeholder decisions in natural hydrogen exploration - Y. Nishitsuji (Sumitomo Corporation; Delft University of Technology)
	Geomechanical perspective for CO2 sequestration opportunity in Onshore Field, Bikaner Nagaur Basin, India - A. SINGH (Indian Institute of Technology Bombay)
	Geophysical imaging for classification of dumped munitions using Autonomous Underwater Vehicles - S. Wenau (ATLAS MARIDAN)
	How Realistic is Your Numerical Simulation of CO2 Sequestration in Depleted Carbonate Reservoirs? - A. Koeshidayatullah (King Fahd University Of Petroleum And Minerals)
	Hydrogen storage in refrigerated unlined rock caverns - B. Bohloli (Norwegian Geotechnical Institute (NGI))
	Impact of injection rate variation for hydrogen storage in porous media, a microfluidics case study - J. Johnson (Institute for Energy Technology)
	Impact of Salts on CO2 Hydrate Saturation and Injectivity During CO2 Storage in Depleted Gas Fields - M. Aghajanloo (Tudelft)
	Impact of the extended Debye-Huckel and ideal activity models on CO2 mineralization: A study using TOUGHREACT - S. Rashidi (Coventry University)
	Investigating Anisotropic Characteristics at the Sleipner CCS Field from Seismic and CSEM Data - S. Park (Jeonbuk National University)
	INVESTIGATIONS ON TIME-LAPSE INVERSION OF Q FACTOR AND VELOCITY FOR CO2 MONITORING AND STORAGE - J. Chen (Khalifa University)
	Modelling Offshore Wind Resources for Hydrogen Production in Uruguay - P. Gristo, R. Novo (Gerencia de Transición Energética, ANCAP)

Poster Presentations - Tuesday 5 November

POSTER SESSION

15:50	New Methodology for Assessing Underground Natural Gas Storage Resources – Example from Michigan Basin, United States - M. Buursink (US Geological Survey)
	Numerical Analysis of Foam-Assisted and Continuous CO2 Injection for Utilization and Storage in an Oil Reservoir - A. Bello
	Numerical simulation study to analyze the cold thermal front growth in discrete fracture geothermal reservoir - M.I. ANSARI (Indian Institute of Technology Madras)
	Optimizing Carbon Capture and Storage Strategies: Integrated Surface and Subsurface for Decision-Making under Uncertainty - T. Taha (Aspen Technologies)
	Optimizing the Geothermal Drilling Process Using Artificial Intelligence Methods - H. Knauer (Fraunhofer Research Institution for Energy Infrastructures and Geothermal Systems IEG)
	Perspective for CO2 storage on the Paraná-Etendeka Large Igneous Province: insights from Subsurface geophysical data - G. Marins (1Faculdade de Geociências, Universidade Federal de Mato Grosso)
	Pore and field-scale investigation of the effect of wettability on residual and dissolution trapping mechanisms CO2 - F. Firouzbehi (University of Rome, La Sapienza)
	Pore Scale Simulation of CO2 Transport in Large REV: AVolume of Solid Approach - G. E. Stewart (Heriot-watt University)
	Porous Sedimentary Oil Reservoirs: Characterization for Geothermal Energy Extraction from Near Abandoned Oil and Gas Wells - F. Rashid (Indian Institute Of Technology Bombay)
	Potential for an integrated wind-geothermal cogeneration energy system, a case study from the Norwegian Continental Shelf - J. Johnson (Institute for Energy Technology)
	Prospects of Natural Hydrogen in India: An Emerging Frontier for Sustainable Energy - A. Boruah (Upes Dehradun)
	Quantifying geophysical electrical signatures in hydrothermal reservoirs - L. Piolat (Georessources Laboratory)
	Quantifying uncertainty in geothermal favorability mapping with a Probabilistic Fuzzy Inference System. Case Study: Paipa, Colombia - O. Garcia-cabrejo (Universidad Pedagogica Y Tecnologica De Colombia)
	Reflection seismic acquisition for onshore CCS applications in Denmark – An overview - S. Zappala (Uppsala University)
	Regional interpretation of Permo-Triassic aquifers in the Cheshire Basin, UK, for direct use geothermal energy - D. Johnstone (University Of Manchester)
	Remote Sensing using ArcGIS for White Hydrogen Reservoir Detection: Case Study of the Ginebra Ophiolitic Complex - J. Ibarra (Universidad De Los Andes; ESRI Colombia)
	Reservoir gross rock volume estimation of a gently dipping structural trap, using geostatistical time-depth conversion method - P. Masoudi (Geovariances)
	Resistivity estimate of CO2 saturated rock cores in lab experiment - J. Park (NGI)
	Risk Management and Monitoring in CCS projects - M. Zwaan (Panterra Geoconsultants)
	Rock cavern thermal energy storage to enable sector-coupling of district heating, pulp industry, and power production - N. Etherden (University Of Gävle)
	Seabed and shallow subsurface domain mapping for geotechnical assessment, Offshore Argyll, Scotland - A. Dyson (British Geological Survey)
	Short report on geothermal favourability explorations in Kerman Province - A. Hojat (Shahid Bahonar University of Kerman; Politecnico di Milano)
	Stimulated hydrogen production by low-temperature water-rock interactions in static experiments - M. Duque Nogueira Kiewiet (CSIRO Energy)
	Subsurface CO2 injection and monitoring in a downscaled lab facility - K. Hunnestad (Norwegian University of Science And Technology)
	Subsurface modeling for hydrogen storage in hypothetical salt caverns within the Groningen field - B. Salgado (Baker Hughes)
	Synthetic CPT predictions for offshore wind farms using machine learning – Advantages and Opportunities - D. Qu (Ramboll)
	Techno-Commercial Assessment Framework for Co-Firing Hydrogen in Gas Power Plants to Reduce Carbon Emissions - P. Fleitas (SLB)
	The Caythorpe Gas Field: A Potential Site for UK Onshore Energy Storage - R. Wijnarko (University Of Aberdeen)
	The Role of Geologic Hydrogen in the Energy Transition - Y. Esperias Flores (The University of Texas at Dallas; GeoFrontiers Corporation)
	The Role of Multi-Sensor Core Logging and X-ray Imaging in Ground Model Development - T.S. Faleide (Norwegian Geotechnical Institute (NGI))
	Thermal lift effect in deep geothermal wells - M. Miecznik (Mineral and Energy Economy Research Institute, Polish Academy of Sciences)
	Urban VSP acquisition for geothermal drilling de-risking in Paris area, targeting high frequencies and high resolution - S. Soulas (Avalon Sciences Ltd)
	Using artificial intelligence to evaluate uncertainty for optimizing CCUS - B. Chennakrishnan (Telesto Energy Pte. Ltd)
	Using Sub-Bottom Imager data to interpret shallow soil conditions for use in offshore wind site characterisation - G. Body (Kraken Robotic Services)
	Utilizing Fugro's Innovative Auto Boulder detection tool on Sub-Bottom Profiler data - J. Pollecutt (Fugro GB Limited)
	Well failure risk mitigation at the West Netherlands basin: The Geothermie Delft doublet case study - M.H. Mehranpour (Baker Hughes)
	Workflows to Capture the Gaps in Studying CO2 Underground Storage - S. Ben Amor (Baker Hughes)
	Young Geothermal Promoters (YGP) internship program: linking academy, industry and communities - C. Rodriguez Gomez (Geophysics Institute, UNAM)

ROTTERDAM HALL 2		LEEUVEN ROOM 1&2		PENN ROOM 1	
Dedicated Session: The Future of Monitoring and the Current Challenges					
08:45	Moderators: S. David (TGS), N. Grobys				
10:05	Coffee Break (Wed AM)				
Pore to Reservoir Scale Heterogeneity Characterization for CCS		Approaches and Case Studies for CCS Pore Space Screening 2		Progress in Machine Learning in the Context of CCS Technology 2	
10:30	Assessment of the Impact of Sedimentological Heterogeneity on Multi-Phase CO2 Injection in Shallow-Marine Reservoirs - R. Van Der Kooij (Delft University Of Technology)	10:30	Tailored Screening Workflow of Depleted Gas Fields for CO2 Storage - W. Kolkman (Shell Low Carbon Solutions, The Hague)	10:30	Ensuring reliability in CO2 leakage risk assessment through AI-driven uncertainty quantification across scales - S. Perez (The Lyell Centre, Heriot-Watt University)
10:50	A study on fault reactivation and fracture pressure during CO2 storage in a depleted gas reservoir - T. Barbosa (LGMA/UFC - CERENA/Ulisboa)	10:50	CO2 Storage Assessment for Net Zero: customized play-based exploration methodology and datasets integration, offshore Newfoundland, Canada - A. Barrois (Beicip-Franlab)	10:50	Machine Learning Models Augment Geomechanical Processes for CO2 Storage - B. Chennakrishnan (Telesto Energy Pte. Ltd)
11:10	In-situ Geomechanical Assessment of Carbonate Rocks Undergoing CO2-Saturated Brine Injection: A Preliminary Study - M. Al Jawad (KFUPM)	11:10	Developing a Tailored Risk Based CCS Modelling Workflow for Depleted Gas Fields - W. Kolkman (Shell Low Carbon Solutions, The Hague)	11:10	Machine learning-based Vs prediction for CO2 storage exploration license Trudvang (EXL007), Norwegian North Sea - N.H. Mondol (University of Oslo and NGI)
		11:30	CCS Basin Screening using Chance of Success Mapping in Sao Paulo, Brazil - C. Holloway (SLB)	11:30	Optimum CCS site selection through machine learning and digital screening and ranking workflow - A. Ahmad (SLB)
12:50	Lunch (Wed)				
Dedicated Session: Opportunities and Challenges of CO2 Storage in Depleted Fields		Advances in Geophysical Monitoring Technology 1		Near-Wellbore Rock Fluid Interactions Focused around Salt Precipitation	
13:50	Moderators: F. Neele (TNO), D. Voskov (TU Delft)	13:50	Adaptive 4D full-waveform inversion for cost-effective monitoring of CCUS sites - D. Halliday (SLB)	13:50	Impact of Salt Precipitation on Porosity-Permeability Correlations: Implications for CO2 Storage - N. Zamani (Norce Norwegian Research Centre)
		14:10	Surface DAS processing in a CCS field - K. Liao (Viridien)	14:10	Microfluidic investigation of salt precipitation and hydrate during CO2 injection - L. Yan (Delft University of Technology)
		14:30	Overcome structural challenges and enabling focused seismic CCS monitoring: the North Sea Leman field example - A. Festucci (SpotLight)	14:30	Assessing near-wellbore effects in CO2 storage in near-depletion oil fields; the example of Prinos, NE Greece - Y. Tsiantis (Energean Oil & Gas S.A.)
		14:50	Geomechanical Modelling and Time-Shift Detectability for CO2 Injection in Depleted Gas Reservoirs, North Sea - F. Jafarizadeh (Heriot-Watt University)	14:50	Salting-Out Risk in Geologic Carbon Storage; Driving Factors and Uncertainties - H. Alkan (TU Bergakademie Freiberg)
		15:10	Muon Tomography - a novel imaging technique for monitoring the Carbon Capture and Storage process - L. Thompson (Geoptic Infrastructure Investigations)	15:10	Dynamics of brine dry-out, halite precipitation, and injectivity loss during CO2 injection: numerical and experimental studies - M. Marrior (BP)
15:30	Coffee Break (Wed PM)				
15:50	Extended Coffee Break & Poster Session (Wed)				
Dedicated Session: The Opportunities & Risk of Wells in CCS Operations		CO2 Reservoir Modelling Tools and Workflows 1		Advances in Geophysical Monitoring Technology 2	
16:10	Moderators: N. Brookes (Viridien), D. Voskov (TU Delft)	16:10	Evaluating the Benefits and Limitations of Black-Oil Models for Simulating CO2 Storage in Saline Aquifers - B. Rostami (Geological Survey of Denmark and Greenland (GEUS))	16:10	Contribution of uncertainty to automated CO2 detection by focused seismic monitoring - F. Duret (SpotLight)
		16:30	Assessing Grid Resolution Impact on the Reliability of CO2 Plume Modeling in Saline Aquifer Storage Sites - I. Ismail (Hellenic Hydrocarbons and Energy)	16:30	Wave propagation in CO2 geological sequestration porous formations - X. Zhang (Institutue Of Acoustics, Chinese Academy Of Sciences)
		16:50	A compositional Sim2Seis workflow for modelling CO2 dissolution effects on 4D seismic data - G. C��rte (Heriot-Watt University, Edinburgh)	16:50	Using DAS for CO2-monitoring – possibilities and limitations - M. Landr�� (Norwegian University of Science & Technology)
		17:10	Scenario-based modelling for CO2 storage in depleted gas fields in the Southern North Sea - C. Tueckmantel (Shell Global Solutions International)	17:10	Forward Modelling of the Time-Lapse Gravity Signal for a CCS Prospect - T. Bourne (BP)

Oral Presentations - Wednesday 6 November

PENN ROOM 2		MEES ROOM 1	
Geothermal Well Construction, Modeling and Optimization 1		Dedicated Session: New Horizons	
08:45	Well Re-use: Assessment framework for the readaptation of wells for geothermal application - J. Mozas (TNO)	08:45	Moderators: E. Macinnes (Viridien), J. Hagan (ZeroGeo Energy)
09:05	Wellbore Flow Profiling of Geothermal Wells Using Thermal Coupled Model - C. Alan (University of Tulsa)		
09:25	Repurposing existing and abandoned oil exploration and production wells for geothermal heat extraction: Lithuanian case - I. Kaminskaite-Barauskiene (Vilnius University; Kaunas Technology University)		
09:45	Energy potential assessment of a closed-loop system in a deep high enthalpy area, using DESCramBLE data - G. Blin (Aspentech)		
10:05	Coffee Break (Wed AM)		
Geothermal Well Construction, Modeling and Optimization 2		Assessment and Development of Geothermal Reservoirs	
10:30	Optimizing Deep Geothermal Well Stimulation with Borehole Image Analysis in Malm-age Carbonates in Bavaria - B. Roters (NiMBUC Geoscience OG)	10:30	Influence of meander-belt sedimentary architecture on performance of low-enthalpy geothermal doublet: insights from high-resolution heat-transport simulations - H. Aghaei (The University of Pavia, Italy)
10:50	Interpretation of flowing pressure transients to monitor mobility front movement around geothermal injectors - J. Mugisha (NORCE Norwegian Research Centre)	10:50	Afterlife - Thermal Recharge of an Optimized Geothermal System - C. Wallmeier (TU Delft)
11:10	Multi-lateral well construction by directional steel shot drilling: Optimisation of the (mechanical) specific energy utilisation - A. Reinicke (TNO)	11:10	Coupled numerical and analytical simulation into impact of an abandoned borehole on Delft campus geothermal well - Y. Chen (Delft University Of Technology)
11:30	Impact of lift methods and shutin techniques on welltest analysis in geothermal wells - P. Bruijnen (EBN)	11:30	Investigation of thermal and acoustic properties of sandstone - P. Kolah Kaj (Delft university of technology)
12:50	Lunch (Wed)		
Advancing Geothermal Energy: New Ideas and Cross-Sectoral Solutions		Structural Geology and Fault Dynamics in Geothermal Reservoirs	
13:50	Optimizing the “Net Energy” Available to Society of Deep Geothermal Systems (DGS) - N. Vouillamoz (Eaposys SA)	13:50	Clay-rich fault core impact on later fluid circulations - Insights from Thermo-Hydro modelling - B. Avakian (CY Cergy Paris Université)
14:10	Proxy models for rapid simulation of underground thermal energy storage - Ø. Klemetsdal (SINTEF Digital)	14:10	Naturally fractured granites as promising targets for HT geothermal exploration: Impact of fault network geometry - E. PENHOËT (BRGM, French Geological Survey)
14:30	Towards a Subsurface Geothermal Digital Twin: Efficient Construction of Geological Scenarios for Modelling Fluvial Geothermal Reservoirs - G. Song (Delft University Of Technology)	14:30	Fault zone control on geothermal potential: a case study from ECRIS grabens - I. Aubert (CNRS - UMR 6282)
14:50	New Polymer Technology for Sand Mitigation in Geothermal Energy Applications - L. Hernando (Poweltec)	14:50	3D structural modelling of a geothermal prospect south of Antrim, Northern Ireland. A multidisciplinary geophysical-geological approach - M. Marin (SLB)
15:10	Increasing the social acceptance of geothermal energy projects grounding on lessons learned and NIMBY interventions - D. Bonciani (COSVIG - Consortium for the development of Geothermal Areas)		
15:30	Coffee Break (Wed PM)		
Dedicated Session: Opportunities and Challenges of Critical Mineral Extraction from Geothermal Fluids		Dedicated Session: Delft Subsurface Energy Lab - Campus Geothermal Well	
15:50	Moderators: T. Olver (Geothermal Engineering Ltd.), A. Busch (Heriot-Watt University), D. Bonté (IFP Energies Nouvelles)	15:50	Moderator: A. Daniilidis (TU Delft)

Oral Presentations - Wednesday 6 November

MEES ROOM 2		VEDER ROOM		TOKYO ROOM	
Panel Discussion: “The Hydrogen Economy - From Source to Market”		Case Studies 2 (Offshore Wind)		Boulder & Object Detection Methods	
08:45	Moderators: D. Palmowski (Terranta GmbH), C. Heine (Shell)	08:45	Challenges faced in sub-surface geophysical interpretation from a geologically complex site in the southern Adriatic - A. Kirby (Ocean Infinity)	08:45	Understanding the Effects of Shallow Soils on Sub-seabed Cables using a 3D Acoustic Profiler - S. Griffiths (Kraken Robotics)
		09:05	Seafloor and sub-seafloor evidence for past glacial activity on the Lithuanian shelf of the Baltic Sea - A. SEN (Fugro Netherlands Marine B.V.)	09:05	3D acoustic method for the detection of buried objects - D. Kuijpers (Stema Systems)
		09:25	POTENTIAL HAZARDS ASSOCIATED WITH SEAFLOOR SURFACE DEFORMATION AND INDUCED SEISMICITY TO NEARBY OFFSHORE WIND FARM INFRASTRUCTURE - A. Sengel (PanTerra Geoconsultants B.V)	09:25	Defining the Buried Boulder Risk for an Offshore Wind Farm with 3D Acoustic Imaging - M. Noel (Kraken Robotics)
		09:45	Integrating geo-data to increase interpretation confidence and geohazard identification for offshore wind farm ground models - R. Noble (Geowynd)	09:45	Revolutionizing Marine Geophysics: A Battle Between Automated Processing Solutions and AI Techniques - S. Kajic (Hidrocibalee)
10:05	Coffee Break (Wed AM)				
Dedicated Session: Underground Hydrogen Storage Pilot Projects Part 1: Salt Caverns				Dedicated Session: Geoscience Perspectives: End-of-Life Strategies for Offshore Wind Farms	
10:30	Moderators: K. de Borst (Shell Global Solutions International), D. Palmowski (Terranta GmbH)			10:30	Moderators: L. Siemann (Fraunhofer IWES), V. Adestål (Equinor)
12:50	Lunch (Wed)				
Flow Behaviour in Hydrogen Storage Reservoirs		Geohazards		Inversion Approaches for UHR Seismic)	
13:50	The impact of deformation bands on hydrogen-brine flow within the UK Sherwood Sandstone at subsurface conditions - D. Smith (Heriot-Watt University)	13:50	Insights from the process-based interpretation of 3D high-resolution seismic data for ground modelling and geohazard assessment - B. Kurjanski (University of Aberdeen)	13:50	A method for automated in-field interface-wave inversion to estimate shallow subsurface-strength for offshore wind turbine construction - H. Douma (Quantairra Research And Development Services B.V.)
14:10	X-ray Core-Flooding Experiments to Study H2 and Cushion Gas Residues in Highly Permeable Sandstone Formations - A. Yaseri (King Fahd University Of Petroleum And Minerals)	14:10	Geohazards and engineering challenges related to heterogeneous infill of tunnel valleys - B. Bellwald (Norwegian Geotechnical Institute (NGI))	14:10	Integrated UHR Seismic Diffraction Imaging and Inversion for Geotechnical Property Estimation for Offshore Windfarm Development - A.M.S. Ramadan (Fraunhofer Iwes)
14:30	Potential of Hydrogen and Carbon-dioxide Geological Storage in Shale Formation: Implications of complex mineralogy and organics - A. Alanazi (King Abdullah University For Science And Technology)	14:30	Hitting Rock Bottom; geo-constraints and opportunities associated with weathered bedrock within foundation depths - G. Carter (Arup)	14:30	Soil Properties Prediction Based on 3D Ultra-High Resolution Seismic: A Data Driven Inversion Workflow - R. Ruiz (TGS UK)
14:50	Hydrogen flow and trapping in sandstone rocks: Comparing pore-scale experiments with pore network modelling - Z. Jangda (Heriot-Watt University)	14:50	Geohazard challenges for floating offshore wind farms in Italy - B. Fabbri (Rina)	14:50	AVO-compliant Processing and Elastic Pre-Stack Inversion of UHRS Data at Nederwiek Wind Farm Site I - P. Cox (RockWave)
15:10	Hydrogen storage in heterogeneous reservoirs: evaluating well configurations and cushion gas impact - P. Pereira (ICT - Universidade de Évora)	15:10	3D ground model in complex back-barrier lagoon setting for Offshore Wind Farm ECR study - L. Hjelm (Ørsted)	15:10	Deep-learning-based uncertainty quantification for post-stack UHR seismic inversion - G. Rizzuti (Shearwater Geoservices)
15:30	Coffee Break (Wed PM)				
Dedicated Session: Underground Hydrogen Storage Pilot Projects Part 2: Porous Storage		Challenges and Opportunities		Dedicated Session: A Highlight of Efforts Related to Offshore Wind Projects in the EAGE LC Netherlands Community	
15:50	Moderators: K. de Borst (Shell Global Solutions International), D. Palmowski (Terranta GmbH)	15:50	Affirming technical motives and removing operational barriers to 3D ultra-high resolution seismic using forward-modelled data - N. Woodburn (Rockwave)	15:50	Moderators: J. Brackenhoff (Quantairra Research and Development Services BV), E. Leentvaar (Deltares), F. Balestrini (Fugro)
		16:10	FWI of 2D UHR seismic data from an Offshore Wind Farm: insights from a feasibility study - G. Salaün (Ørsted)		
		16:30	Analysis and simulation of lab scale seismic waveform for shallow sediment - J. Park (NGI)		
		16:50	Optimising magnetic target picking in UXO surveys through modelling: utilising a stochastic inversion for improved assessment - M. Wigh (Fugro)		

Oral Presentations - Thursday 7 November

ROTTERDAM HALL 2		LEEUVEN ROOM 1&2		MEES ROOM 1	
				Keynote - Oman’s Vision 2040 Plan to Increase Renewable Energy: Evaluation of Geothermal Potential	
				08:45	A. Robertson-Tait (GeothermEx; SLB)
CO2 Reservoir Modelling Tools and Workflows		Approaches to CCS Appraisal and Learnings		Assessment and Repurposing of Former Oil and Gas Reservoirs and Wells	
09:05	Storage Capacity and Integrity Assessment in CCS: Insights from Dynamic Modelling at PilotSTRATEGY’s Lopin Site (Spain) - A.D. Blanco Pericana (REPSOL)	09:05	Northern Lights Appraisal Well Test: How Temperature Transients Can Mislead You - V. Jaffrezic (TotalEnergies)		
09:25	DARTS-flash: an open-source thermodynamic modelling software for experimental and numerical study of subsurface energy transition applications - M. Wapperom (TU Delft)	09:25	Well Testing Before CO2 Injection - J. Mugisha (NORCE Norwegian Research Centre)	09:25	Lithuanian Geothermal Potential: Evaluating Hydrocarbon Reservoir for Sustainable Energy Development - A.R. Memon (Kaunas University of Technology)
09:45	Pressure Distributions and Flow Regimes: An integrated Approach For CO2 Sequestration Project Design and Evaluation - F. Al-Sharshahy (Middle East Technical University)	09:45	Appraising open saline aquifer stores at the margins of the Southern North Sea, offshore Humber, UK - S. Luxon (Shell)	09:45	GEOTHERMAL RESOURCES ASSESSMENT AND GUIDELINES: SIMILARITIES WITH OIL AND GAS. UNFC AND PRMS SYSTEMS - S. López Kovács (Repsol)
10:05	Coffee Break (Thu AM)				
CO2 Storage in EOR Context		CCS Monitoring Strategy Case Studies		Dedicated Session: Business Case and Economics: Geothermal and District Heating in the Netherlands	
10:30	Remaining oil fractions in a depleted chalk field and the potential effect of CO2 injection - H.I. Petersen (Geological Survey Of Denmark And Greenland (GEUS))	10:30	Evaluating the CO2 Injection Seismic Modeling Outcomes: A Study of the Goldeneye, Hamilton, and Viking Fields - S.Y. Toh (Heriot-Watt University)	10:30	Moderator: H. Bolscher (Geothermie Nederland)
10:50	Feasibility study of enhanced oil recovery by injecting flue gases and producing electricity parallelly - M. Zeinali Hassanvand (Research Institute Of Petroleum Industry)	10:50	Morecambe Net Zero (MNZ): Monitoring Strategies and Technologies for a Carbon Storage Site. - H. Basford (Spirit Energy)		
11:10	Lessons learned from active CO2 injection sites - V. Devi (Halliburton)	11:10	Innovative Monitoring Strategies and Technologies: From Conceptualization to Field-Scale Deployment - C.W. Cavalieri Rodriguez (Slb)		
11:30	Novel CO2-based electrothermal energy and geological storage system - I. Vukovic Kartal (European Federation Of Geologists)				
12:50	Lunch (Thu)				
Dedicated Session: Onshore vs Offshore Storage - a Tell Tale of Cost vs Social Acceptance				Dedicated Session: Unlock European Geothermal Power: Past, Present and Future	
13:50	Moderators: S. Fellows (Computer Modelling Group Ltd.), C. Holloway (SLB)			13:50	Moderators: A. Parent (SLB - GeothermEx), L.Masnaghetti (SLB), A. Busch (Heriot-Watt University)
15:30	Coffee Break (Thu PM)				
Prospect/ Project Case Studies				Dedicated Session: Exploring New Roads for a Sustainable and Risks Free Geothermal Energy Production - European Projects Case Studies	
15:50	Morecambe Net Zero (MNZ): The challenges of repurposing a depleted natural gas field for CO2 sequestration - P. Ware (Spirit Energy Limited)			15:50	Moderator: L. Mozga (LC Paris)
16:10	Simulating CO2 storage in a detailed model of marine deposits from an outcrop in Spain - P. Ringrose (NTNU)				
16:30	Detailed geological characterization of the Aurora CO2 storage site, Northern North Sea - E. LEGEAY (Eliis)				
16:50	Colombia CCS case Study: Integrate Subsurface, risk assessment, and storage site selection for Llanos Orientales Basin - M.F. Rodríguez (Servicio Geologico Colombiano)				
17:10	CO2 storage in a high permeability, ultra depleted reservoir in the Southern North Sea - S. Dekker (Shell Upstream)				

PENN ROOM 2		MEES ROOM 2		TOKYO ROOM	
		Dedicated Session: Energy System integration		Dedicated Session: MetOcean measurements in offshore wind farm design	
		08:45	Moderators: K. de Borst (Shell Global Solutions International), M. Glegola (RWE)	08:45	Moderators: J. Godtschalk (AFRY Netherlands BV), W. Fontein (GEO.xyz BV)
10:05	Coffee Break (Thu AM)				
The Role of Data in Resource Assessment		Keynote speakers		Dedicated Session: Bridging the Gap between Geophysical and Geotechnical Data for Offshore Wind Engineering 1	
10:30	Monitoring subsurface temperature gradients using pulsed electromagnetic waves and machine learning - G. Stove (Adrok Ltd)	10:30	The future of the global hydrogen economy: challenges and opportunities for projects related to the hydrogen import goals in the EU - S. Kaufmann	10:30	Moderators: J. Godtschalk (AFRY Netherlands BV), G. Salaün (Ørsted)
10:50	Sequential Fuzzy Fuzzy Inference System integrating potential fields for modeling geothermal favorability in Paipa, Colombia - A. Mora Mora (Universidad de Boyacá)	11:10 The climate effects of hydrogen and hydrogen leakage detection - T. Roekman (Utrecht University)			
11:10	Deep geothermal reservoir characterization with rock physics guided DNN - V. Souvannavong (Viridien)				
11:30	Enhancing geothermal reservoirs fracture interpretation using deep learning: a case study from the Western Netherland Basin - A. Molossi (University of Trieste)				
12:50	Lunch (Thu)				
		Natural Hydrogen		Prediction of Ground Properties	
		13:50	Natural Hydrogen Play-Type Models from a Development Perspective - A. Everts (AEGeo Sdn Bhd)	13:50	Predicting Cone Penetration Tests from seismo-acoustic data: reliable uncertainty quantification using Conformal Prediction - L. Griffiths (Norwegian Geotechnical Institute (NGI))
		14:10	Natural hydrogen prospect assessment - Similarities and differences with traditional oil & gas evaluations - M. Neumaier (ArianeLogiX)	14:10	Property modeling integrating CPT's and UHRS datasets to define glacial geomorphology and related geo-engineering hazards. - E. Le Gall (Eliis)
		14:30	Applying Gravity and Magnetic Data to De-risk Natural Hydrogen Exploration in the Balkans - D. Tierney (GETECH Group plc)	14:30	Developing predictable ground models by improving site investigations through machine learning applications for offshore wind farms - A. Ahmad (SLB)
		14:50	Storage and production of clean hydrogen generated from hydrocarbons sub-terrain - L. Surguchev (Hydrogen Source AS)	14:50	Application of Wave Equation-Based Inversion for Geotechnical Characterization in Offshore Wind Farm Site Investigations - A. Kelsay (Delft Inversion)
		15:10	Effect of reservoir pressure and thermal conductivities on hydrogen yield during an in-situ hydrogen production process - P. Ikpeka (Brunel University)	15:10	Energy Island - CPT interpretation and soil classification from UHRS pre-stack data - E. Dalgaard (SolidGround)
15:30	Coffee Break (Thu PM)				
Dedicated Session: Best Papers of EAGE Geothermal Workshop 2023		Geophysical Monitoring and Well Integrity for H2 Storage		Dedicated Session: Bridging the Gap between Geophysical and Geotechnical Data for Offshore Wind Engineering 2	
15:50	Moderators: J. Hagan (ZeroGeo Energy), D. Bonté (IFP Energies Nouvelles)	15:50	Keynote: Towards derisking hydrogen storage in reservoirs: results from the European-funded HyUSPRe project - R. Groenenberg (TNO)	15:50	Moderators: J. Godtschalk (AFRY Netherlands BV), G. Salaün (Ørsted)
		16:30	Monitoring elastic parameters changes during underground hydrogen storage using rock physics parametrized FWI - G. Pantaleo (University Of Trieste)		
		16:50	Well integrity assessment for re-use of wells for hydrogen storage - A. Moghadam (TNO)		



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