



# WGC 2026

FORGING GEOTHERMAL INNOVATION  
JUNE 8 - 11, 2026 | CALGARY, CANADA



**GEOTHERMAL**  
CANADA



# PROGRAM BOOKLET



# TABLE OF CONTENTS

---

Click on a page below to navigate directly.

<b>Welcome Letter</b>	<b>3</b>
<b>Presentation Schedule</b>	<b>4</b>
Saturday, June 6	4
Sunday, June 7	7
Monday, June 8	10
Monday, June 8 - Technical	12
Tuesday, June 9	24
Tuesday, June 9 - Technical	32
Wednesday, June 10	55
Wednesday, June 10 - Technical	60
Thursday, June 11	81
Thursday, June 11 - Technical	84
<b>Poster Schedule</b>	<b>90</b>
Monday, June 8	91
Tuesday, June 9	93
Wednesday, June 10	100
Thursday, June 11	108
<b>Field Trips &amp; Social Events</b>	<b>113</b>

# WELCOME LETTER FROM THE ORGANIZING COMMITTEE CHAIRS

---

Dear colleagues, friends, and members of the global geothermal community,

It is our great pleasure to welcome you to the **World Geothermal Congress 2026 in Calgary, Canada.**

Under the theme “**Forging Geothermal Innovation,**” WGC2026 brings together the people, ideas, technologies, and partnerships that are shaping the future of geothermal energy. At a time when the world is seeking secure, sustainable, and reliable energy solutions, geothermal has never been more relevant. This Congress offers a unique opportunity to demonstrate the strength of our sector and to accelerate the role of geothermal in the global energy transition.

Calgary provides a fitting host city for this important gathering. With its strong energy heritage, growing innovation ecosystem, and connection to Canada’s natural resources and technical expertise, it offers an inspiring setting for discussions on the future of geothermal development - from science and exploration to finance, policy, technology, community engagement, and deployment.

Over the course of the Congress, participants will experience a rich and diverse programme, including plenary sessions, technical presentations, poster sessions, roundtables, short courses, field trips, exhibitions, networking events, and social gatherings. Each element of the programme has been shaped by the dedication of many volunteers, partners, sponsors, reviewers, speakers, and committee members from around the world. We are deeply grateful for their time, expertise, and commitment.

WGC2026 brings the global geothermal community together to exchange knowledge, build partnerships, and turn ambition into practical progress for a resilient, low-carbon energy future. We encourage you to use this week to share ideas, challenge assumptions, reconnect with colleagues, and discover new opportunities for collaboration.

On behalf of the Organizing Committee, the International Geothermal Association, Geothermal Canada, and all partners involved, we warmly welcome you to Calgary. We are delighted to have you with us and look forward to an inspiring, productive, and memorable World Geothermal Congress 2026.

**Welcome to Calgary. Welcome to WGC2026.**

**STEVE GRASBY**

Organizing Committee Co-Chair  
World Geothermal Congress 2026

**MARIT BROMMER**

Organizing Committee Co-Chair  
World Geothermal Congress 2026

## SATURDAY, JUNE 6

Time	Session Name	Host	Location	Session Type
08:30 - 17:00	<b>Modelling Geothermal Systems with FEFLOW</b>	DHI Group	Macleod Room E2	Short Course
<p>This intensive, instructor-led, hands-on workshop delivers advanced training in numerical modelling for geothermal applications using FEFLOW—one of the world’s leading platforms for subsurface flow and heat transport simulation.</p> <p>Designed for hydrogeologists, engineers, energy professionals, and researchers, the course focuses on building robust models that support feasibility assessment, system design, performance optimisation, and risk reduction for geothermal projects.</p> <p>Participants will learn how to simulate a wide range of geothermal systems—including open- and closed-loop installations and thermal energy storage—while gaining a strong understanding of the physical processes governing subsurface heat transport. The training combines essential theoretical foundations with practical workflows, enabling attendees to confidently develop defensible models for real-world geothermal challenges.</p> <p>FEFLOW’s structured and unstructured meshing capabilities allow accurate representation of subsurface complexity, from local installations to basin-scale systems. Trusted by consultancies, research institutions, and government agencies worldwide, FEFLOW is a proven tool for supporting data-driven decisions in geothermal development.</p> <p>By the end of the workshop, participants will be equipped to evaluate geothermal potential, quantify environmental impacts, anticipate system interactions, and communicate modelling results with confidence.</p>				
08:30 - 17:00	<b>The AI-Augmented Geoscientist: From No-Code ML to Autonomous Agents</b>	Data Energy	Macleod Room E3	Short Course
<p>The energy sector is shifting from manual data analysis to dynamic, AI-driven workflows. This accelerated, hands-on masterclass bridges the gap between geothermal domain expertise and modern Artificial Intelligence. Participants will learn to build predictive machine learning models and deploy autonomous AI “agents” to automate complex tasks—all using no-code and low-code platforms.</p>				
08:30 - 17:00	<b>Borehole Imaging in the Geothermal Context</b>	Cubic Earth	Macleod Room E4	Short Course
<p>This workshop provides a practical introduction to borehole imaging (BHI), covering the technology, data, and key applications for geothermal systems. Emphasis is placed on integrating BHI into geologic, geomechanical, and conceptual models to better understand permeability and resource behaviour.</p> <p>Delivered through lectures and interactive discussion, the course focuses on real-world workflows and outcomes. Participants receive workshop materials including presentations, examples, and open-source code.</p> <p>Suitable for geoscientists and technical leaders, the course supports both newcomers to BHI and experienced users seeking to improve data integration and interpretation.</p>				



## SATURDAY, JUNE 6

Time	Session Name	Host	Location	Session Type
08:30 - 17:00	<b>Advanced Leapfrog Energy</b>	<b>Seequent</b>	<b>The Ampersand (off-site)</b>	<b>Short Course</b>
<p>Join this newly developed in-person advanced Leapfrog Energy course to learn how to build more complex and dynamic geological models, that seamlessly incorporate new data.</p> <p>Discover efficient workflows for creating temperature models that accurately reflect hot fluid pathways and deepen your understanding of the geothermal resource by mastering the most advanced tools in Leapfrog Energy.</p> <p>This 8-hour course will be offered as part of the World Geothermal Congress 2026 in Calgary on Saturday 6 June.</p>				
07:30 - 17:00	<b>2026 Indigenous Geothermal Symposium (Calgary)</b>	<b>Presented by Geothermal Rising</b>	<b>Glen 201-202</b>	<b>Symposium</b>
<p><b>Symposium Objectives:</b></p> <p><b>Engagement:</b> Bring together Indigenous leaders, geothermal experts, policymakers, and community members to discuss the development and implementation of geothermal energy projects.</p> <p><b>Education:</b> Provide comprehensive sessions on geothermal energy, including its technological, cultural, and historical aspects.</p> <p><b>Collaboration:</b> Facilitate cross-cultural dialogues and partnerships to enhance the role of Indigenous communities in the geothermal energy sector.</p> <p>The symposium will feature a series of sessions designed to explore the cultural, technological, and environmental aspects of geothermal energy. Attendees will have the opportunity to engage with the latest advancements in geothermal technology, share their experiences and insights, and collaborate on developing strategies that respect and incorporate Indigenous perspectives.</p> <p>This event aims to create a platform for Indigenous voices to be heard, fostering a global dialogue on the potential and challenges of geothermal energy development in Indigenous territories.</p>				



***Clean heat and power  
you can count on.***



# PRESENTATION SCHEDULE



## SUNDAY, JUNE 7

Time	Session Name	Host	Location	Session Type
08:30 - 17:00	<b>Geothermal Utilization - Possibilities and Limitation</b>	<b>María Sigríður Guðjónsdóttir (Iceland)</b>	<b>Macleod Room E2</b>	<b>Short Course</b>
<p>Course Overview: This course covers the key aspects of geothermal utilization, from resource characteristics to practical applications. It addresses both direct use of geothermal energy (e.g., heating and cooling) and electricity generation. Participants are introduced to both fundamental concepts and real-world case studies of geothermal utilization. Short exercises are included to support deeper understanding and hands-on learning.</p> <p>Outline of the short course topics The course explores the use of geothermal resources for energy extraction, summarizing their overall use, potential applications, and inherent limitations. The emphasis is on the direct use of geothermal energy as well as power production.</p> <p>Key topics include:</p> <p>Direct use applications: district heating, heat pumps, cooling, thermal energy storage, balneology, agriculture, and industrial processes Geothermal power generation: conventional systems and emerging technologies Cascaded use of geothermal fluids: integrating multiple applications to maximize resource efficiency</p>				
07:30 - 17:00	<b>Geothermal Field Development Geomechanics</b>	<b>Teverra</b>	<b>Macleod Room E3</b>	<b>Symposium</b>
<p>This course provides a practical overview of geomechanics principles and their application in geothermal field development. Participants will learn how to assess and manage subsurface stress, rock properties, fault behavior, and wellbore stability to optimize drilling, reservoir performance, and long-term sustainability.</p> <p>The course covers real-world case studies, modeling approaches, and risk mitigation strategies essential for successful geothermal projects. This interactive course is presented in three modules: Introduction to Geomechanics and Geomechanical Modeling; Wellbore Stability Analysis; and Hydraulic Fracturing for EGS.</p> <p>In the first module, participants explore the evolution and importance of geomechanics in the energy industry and build a strong foundation in rock mechanics. The course demonstrates how to integrate geological data, drilling information, well logs, and core samples to construct 1D to 3D geomechanical models, including calibration and validation using stress data and rock strength measurements.</p> <p>The second module focuses on wellbore stability analysis for geothermal wells, including optimized well trajectories and safe operating pressure windows under high-temperature and high-stress conditions. Special scenarios—such as thermally induced stress changes, chemically reactive formations, weak bedding planes, and naturally fractured or faulted systems—are addressed using practical case studies.</p> <p>The third module covers the geomechanical aspects of hydraulic stimulation in geothermal reservoirs. Participants will learn how hydraulic fracturing enhances permeability, how geomechanical parameters influence fracture behaviour, and how to design and optimize stimulation treatments. Particular attention is given to managing induced seismicity risks and optimizing production in fractured systems.</p>				

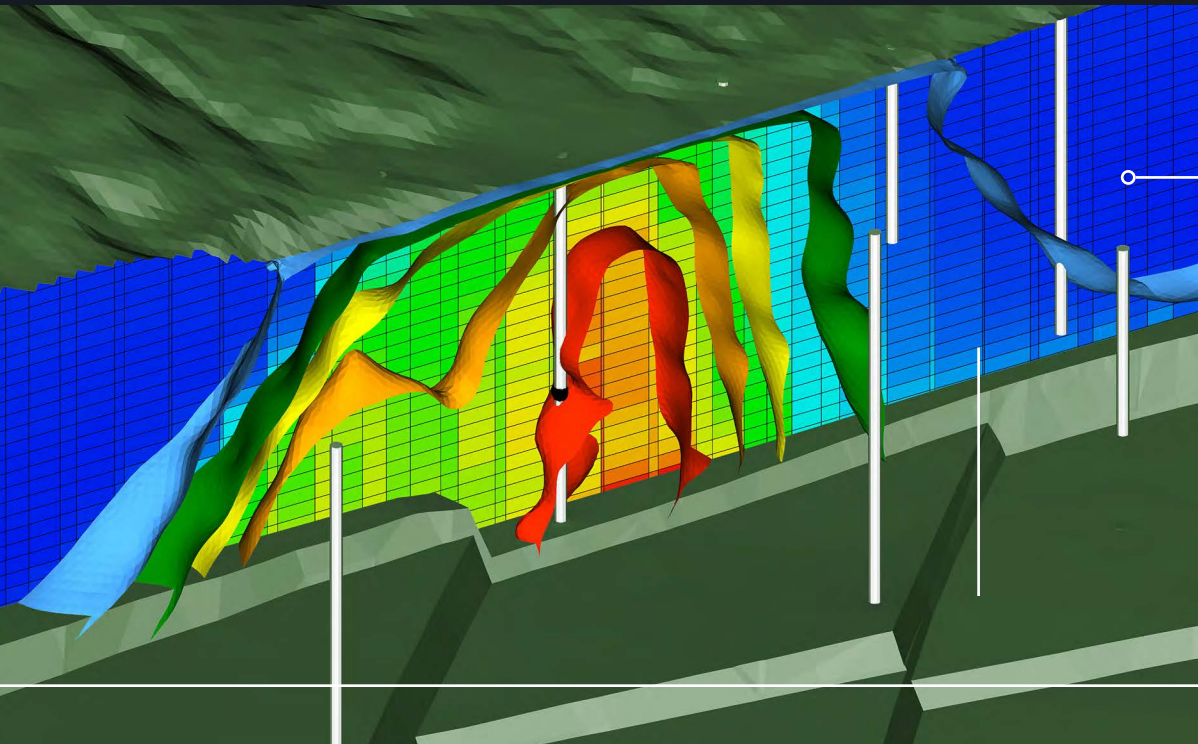
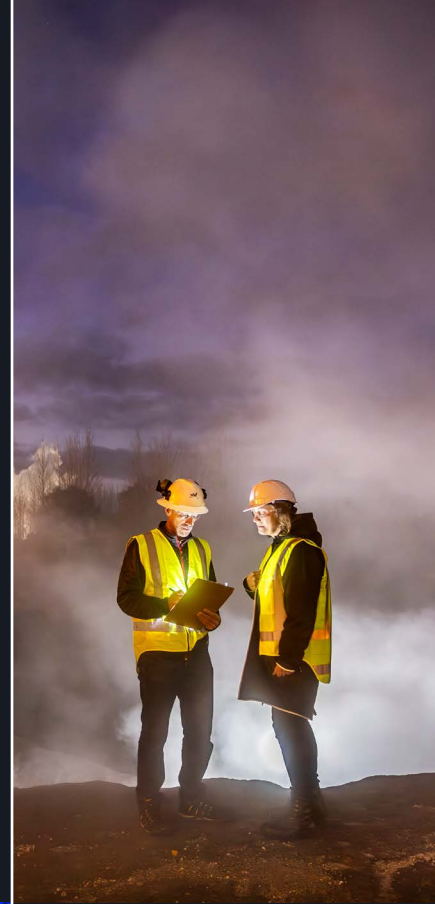
## SUNDAY, JUNE 7

Time	Session Name	Host	Location	Session Type
08:30 - 17:00	<b>Applied Reservoir Simulation with Volsung</b>	Seequent	The Ampersand (off-site)	Short Course
<p>This in-person applied reservoir simulation course is for Volsung users, or reservoir engineers with some modelling experience, who are looking to move beyond the basics.</p> <p>Delivered by Dr Jonathon Clearwater, this course will dive deeper on model grid extent and boundary condition selection and implementation. We will look at how to work with complex conceptual models from Leapfrog Energy, including down sampling volumes and adding and manipulating geologic features.</p> <p>This applied course will also cover aspects of uncertainty such as Monte Carlo forecasting and automatic model calibration using inverse modelling techniques.</p>				
08:00 - 17:00	<b>2026 Indigenous Geothermal Symposium (Calgary)</b>	Presented by Geothermal Rising	Glen 201-202	Symposium
<p><b>Symposium Objectives:</b></p> <p><b>Engagement:</b> Bring together Indigenous leaders, geothermal experts, policymakers, and community members to discuss the development and implementation of geothermal energy projects.</p> <p><b>Education:</b> Provide comprehensive sessions on geothermal energy, including its technological, cultural, and historical aspects.</p> <p><b>Collaboration:</b> Facilitate cross-cultural dialogues and partnerships to enhance the role of Indigenous communities in the geothermal energy sector.</p> <p>The symposium will feature a series of sessions designed to explore the cultural, technological, and environmental aspects of geothermal energy. Attendees will have the opportunity to engage with the latest advancements in geothermal technology, share their experiences and insights, and collaborate on developing strategies that respect and incorporate Indigenous perspectives.</p> <p>This event aims to create a platform for Indigenous voices to be heard, fostering a global dialogue on the potential and challenges of geothermal energy development in Indigenous territories.</p>				
15:30 - 19:00	<b>Conference Check-in and Registration</b>		Exhibit Prefunction Area	
17:00 - 19:00	<b>Welcome Reception</b>		Exhibit Hall CD & E	
<p>All registered delegates are warmly invited to the Welcome Reception, a complimentary evening to kick off the World Geothermal Congress 2026 with networking and camaraderie. This gathering offers a relaxed atmosphere to meet fellow attendees, foster new connections, and celebrate the start of the Congress together.</p>				

# The standard in geothermal intelligence

Don't miss a moment at the World Geothermal Congress.

Check out our schedule of must-see presentations, workshops and activities. Plan your agenda now and connect with our team of experts.



VOLSUNG  
LEAPFROG ENERGY  
Geological and reservoir modelling

Scan for more information or click the button below



[Click here to learn more](#)



DIAMOND  SPONSOR

# PRESENTATION SCHEDULE



**WGC 2026**  
FORGING GEOTHERMAL INNOVATION  
JUNE 8 - 11, 2026 | CALGARY, CANADA

## MONDAY, JUNE 8

Time	Session Name	Host	Location	Session Type
07:30-18:00	Registration Desk Open		Exhibit Pre-function Area	
08:30 - 10:15	Opening Ceremony		Macleod Ballroom ABCD	Ceremony
	Welcome addresses from government representatives, IGA, and Geothermal Canada marking the start of the congress.			
10:15 - 10:45	Coffee Break		Exhibit Hall CD&E	
10:45 - 12:30	Keynote Presentations		Macleod Ballroom ABCD	Keynote Session
	High-profile international speakers setting the global agenda for geothermal energy development and innovation.			
12:30 - 14:00	Lunch Break and Poster Session		Exhibit Hall CD & E	
12:30 - 14:00	Lunch and Learn #1	Polaris	Macleod Room E2	Lunch and Learn
	Join Polaris for an engaging Lunch & Learn session bringing together delegates for discussion, insight, and networking around emerging opportunities and innovations shaping the geothermal sector. This informal lunchtime gathering offers a space to connect with industry peers, exchange perspectives, and explore how collaboration and new approaches can help accelerate geothermal deployment worldwide.			
14:00 - 15:45	Panel #1 - From Feasibility to First Power: Accelerating Geothermal Projects with Speed and Certainty	Baker Hughes	Macleod Room E3	Panel
	Reaching first power faster—and with greater certainty—requires rethinking how geothermal projects are delivered. This panel explores how integrated approaches combined with new commercial, financing, and partnership models are reshaping and accelerating the path from feasibility to first power. Panelists will discuss how new ways of working and closer collaboration across the value chain improves execution certainty, unlocks capital, and enables geothermal to scale as a bankable source of firm, clean power.			
14:00 - 15:45	Panel #2 - Satisfying AI and Data Center Power Demand in the Next Decade(s) – What is Geothermal's Role?	SLB	Macleod Room E4	Panel
	Power demand from data centres and AI is expected to reach ~250 GWe by 2030. Meeting this demand is not for one industry alone. Nuclear, fossil fuels, and renewables each have a role based on scale, timing, and clean, firm capacity. Traditional hydrothermal systems in regions such as the Western United States, Indonesia, New Zealand, and the Ring of Fire can support this demand, but what about elsewhere? Next generation enhanced geothermal systems promise the scale required, as shown by early hyperscaler agreements, but can they deliver timely, cost-competitive, low-risk, gigawatt-scale power?			

## MONDAY, JUNE 8

Time	Session Name	Host	Location	Session Type
14:00 - 18:00	<b>Roundtable #1: Our Climate Future: Reliable Heat, Resilient Systems, Resourceful Communities</b>	<b>Iceland</b>	<b>Macleod Room E1</b>	<b>Roundtable</b>
<p>Geothermal energy is gaining momentum as a strategic solution for energy security, economic resilience, and climate action. This high-level symposium brings together global leaders, policymakers, investors, and industry experts to explore how geothermal can be deployed at scale. With Iceland's experience as a practical blueprint and international perspectives from key markets, the session will focus on collaboration, innovation, and investment pathways to accelerate geothermal growth worldwide.</p> <p>Lead Host: Green by Iceland/Business Iceland</p>				
15:45 - 16:15	<b>Coffee Break</b>		<b>Exhibit Hall CD &amp; E</b>	
16:15 - 18:00	<b>Panel #3 - Advancing Geothermal Regulatory Development in North America</b>	<b>Geothermal Canada / Alberta Energy Regulator</b>	<b>Macleod Room E4</b>	<b>Panel</b>
<p>This session explores the current landscape of North American geothermal regulation. As renewable energy demand grows, industry experts, policymakers, and stakeholders will share their perspectives on challenges, best practices, approaches, and jurisdictional nuances. Join us to engage in this heated discussion and accelerate the geothermal revolution.</p> <p>Moderator: Dan Dodd, Alberta Energy Regulator</p> <p>Panelists: Emily Smejkal, The Cascade Institute; David Helmer, Alberta Energy Institute; Paul Thomsen, ORMAT; Neil Ethier, Eavor</p>				
18:30 - 22:00	<b>WING "Battle of the Bands"</b>	<b>Women in Geothermal - WING</b>	<b>Palace Theatre 219-8th Avenue, Calgary</b>	<b>Social Event</b>
<p>Join WING for an electrifying evening of live music where geothermal musicians will take the stage to rock the house! Feel energized as you spark new connections, while enjoying appetizers and refreshments at the Palace Theatre in downtown Calgary.</p>				

## TECHNICAL PROGRAM – MONDAY, JUNE 8

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
14:00 - 15:45	Telus Room 104	Country Updates - Part 1	Princewill Okechukwu	Country Update - Nigeria	14:00 - 14:20	Esme Southern	Track 01 - Markets
			Diego Morata	Country Update - Chile	14:20 - 14:40		
			Elizabeth Henriquez	Country Update - El Salvador	14:40 - 15:00		
			Steve Grasby	Country Update - Canada	15:00 - 15:20		
			Josef Weber	Country Update - Germany	15:20 - 15:40		
14:00 - 15:45	Telus Room 105 - 106	Advances and Remaining Gaps in Superhot Rock Geothermal Deployment - Part 1	Björn Gudmundsson	Krafla Magma Testbed: A Scalable Platform for Super-Hot Geothermal Innovation	14:00 - 14:20	Angela Segliman	Track 02 - Advancements in Technology and Innovations
			Sigurdur H Markusson	Development of superhot resources at Hengill	14:20 - 14:40		
			Anna Barth	Seismicity across the supercritical-to-steam transition: Comparative patterns above two distinct heat sources in the Hengill Geothermal Field, Iceland	14:40 - 15:00		
			Corey Dufrene	Optimization of Vacuum Insulated Tubulars for Geothermal U-Shaped Wellbores: Modeling Challenges and Performance Enhancement Under Supercritical CO <sub>2</sub> Conditions	15:00 - 15:20		
			Sigrun N. Karlsdottir	High Temperature and High Pressure Testing of Well Casing Materials for Superhot Geothermal Wells	15:20 - 15:40		

## TECHNICAL PROGRAM – MONDAY, JUNE 8

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
14:00 - 15:45	Glen Room 209	Deep Closed Loop Geothermal Systems	Chao Yu	AI-based Performance Optimization for Deep Closed-loop Geothermal System Based on Coupled Thermal-Hydraulic Surrogate Model	14:00 - 14:20	Chris Brown	Track 06 - Geothermal for Sustainable Development
			Erin Gillis	Hydraulic & Thermodynamic Modelling of Multilateral Closed-Loop Geothermal Systems	14:20 - 14:40		
			Kaitlin Foley	Closed-Loop Geothermal Water Quality Management: Can Solid Particles Make It 5 km To Surface?	14:40 - 15:00		
			Virginie Harcouet-menou	Portability of deep geothermal closed coaxial wells	15:00 - 15:20		
14:00 - 15:45	Telus Room 108 - 109	Scaling Mechanisms, Monitoring and Silica Control	Zakaria Zamrudioko Sumantoro	Silica Scaling Monitoring Strategy at Muara Laboh Geothermal Power Plant after Four Years Operation: Scale Coupon Installation and Silica & Metal Loss Audit in Brine	14:00 - 14:20	Angela Segliman	Track 02 - Advancements in Technology and Innovations
			Haoyu Diao	Preparation and Performance Research of Anti-corrosion and Scale Inhibition Micro-Element Integrated Microcapsules	14:20 - 14:40		
			Kizito Opondo	Silica Scaling Mitigation by Brine dilution of two-phase fluids for wells OW-52 & OW-52A, Olkaria East Production Field	14:40 - 15:00		
			Alessandro Lenzi	An heuristic equation correlating silica polymerization induction times to temperature and silica concentration in geothermal brines	15:00 - 15:20		
			Idalia A. Matus Pravia	Silica scaling control after Binary Plant Commissioning, San Jacinto Tizate Geothermal Field, Nicaragua	15:20 - 15:40		

## TECHNICAL PROGRAM – MONDAY, JUNE 8

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
14:00 - 15:45	Telus Room 101 - 102	Green Hydrogen for Sustainable Development: Integration Strategies for Geothermal-rich Regions	Alexandra Martin	Geothermal Waste to Value: Quantifying Availability at Hellisheidi Cogenerative Power Plant	14:00 - 14:20	Peter Ndirangu Maina	Track 06 - Geothermal for Sustainable Development
			Andrew Marsh	Utilizing geothermal gases for biomass production	14:20 - 14:40		
			Claudio Alimonti	Repurposing hydrocarbon Wells in a circular economy perspective: the integration of geothermal energy in Biogas plants	14:40 - 15:00		
14:00 - 15:45	Glen Room 203 - 204	Exploration for Geothermal Development in Volcanic Settings – Part 1: East African Rift Systems	Mbega Ngata	Unlocking Geothermal Potential in Northern Tanzania: Preliminary Geoscientific Exploration of the Natron Prospect	14:00 - 14:20	Helen Robinson	Track 09 - Exploration and Characterization
			Graeme Beardsmore	Integrated seismic and gravity assessment of geothermal potential in the Artu prospective area, Afar depression, Ethiopia	14:20 - 14:40		
			Andy Nowacki	Testing Geothermal Hypotheses Beneath Corbetti, Ethiopia, with 3D P- and S-wave Seismic Tomography	14:40 - 15:00		
			Araksan Ahmed Aden	Chemical and Thermal Evolution of the Hydrothermal Fluids in the Gale-Le-Koma and the Asal-Fiale Geothermal Fields, Republic of Djibouti	15:00 - 15:20		

## TECHNICAL PROGRAM – MONDAY, JUNE 8

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
14:00 - 15:45	Glen Room 201 - 202	Geothermal Play Fairway Analysis (GPFA) – Part 1: Frameworks and National-Scale Resource Assessment	Eugenio Trumpy	From Geothermal Plays to Potential assessment: a Systematic Geothermal Evaluation of Italy	14:00 - 14:20	Noriaki Uchiyama	Track 09 - Exploration and Characterization
			Ignasi Herms	Mapping Deep Geothermal Resources in Europe by European Geological Surveys Using an Adapted Play-Based Exploration Pyramid within the Horizon Europe Co-Funded GSEU Project	14:20 - 14:40		
			Graham Banks	Geothermal Plays, Play Analysis, And Play Fairway Analysis: Examples of Risk Maps, Resource Estimates and Strategic Decisions	14:40 - 15:00		
			Inga Moeck	Application of the Play Type Approach for the Federal Exploration Initiative in Germany – Criteria Catalogue and Case Studies	15:00 - 15:20		
14:00 - 15:45	Glen Room 206	Heat Transfer and Thermal Property Characterization Applied to Petrothermal Systems – Part 1: Fractures and Conductive Heat Flow	Lisa Maria Ringel	Numerical Characterization of Heat Transfer Properties in Fracture Networks with Dead-Ends	14:00 - 14:20	David Moreno	Track 09 - Exploration and Characterization
			Lucie Janku	Heat Transfer at RINGEN Site, Czechia - Key Findings for Successful Geothermal Development	14:20 - 14:40		
			Jiawei Li	Heat transfer characterizations of supercritical CO <sub>2</sub> flow through a rough fracture in the Hot Dry Rock	14:40 - 15:00		
			Mathieu Des Roches	X-rays and thermal conductivity: towards 3D heat transfer modelling	15:00 - 15:20		
			Gioia Falcone	THERMOCAL – Empirical Thermophysical Data Acquisition Across the Caledonian Orogenic Belt	15:20 - 15:40		

## TECHNICAL PROGRAM – MONDAY, JUNE 8

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
14:00 - 15:45	Glen Room 208	Reservoir Management, Reinjection and Development Strategy	Michelle Visperas	Reservoir Tracer Testing in Maibarara Geothermal Field: Evolution of Maibarara's Field Management Strategy	14:00 - 14:20	Arif Rabbani	Track 8 - Challenges in Geothermal
			Carolin Wallmeier	Multi-Objective Optimization: Well Placement and Operation to Balance Economic Returns and Reservoir Longevity with NSGA-II	14:20 - 14:40		
			Erique Nyawir	Sustainable Exploitation of Geothermal Energy: Case study of KenGen's Olkaria Geothermal Field, Kenya	14:40 - 15:00		
			John Murphy	Reservoir Modeling from Exploration to Expansion: The Ormat Workflow	15:00 - 15:20		
			Joris Popineau	An uncertainty quantification modelling approach for assessing the resource and planning the development of low enthalpy geothermal fields	15:20 - 15:40		
14:00 - 15:45	Telus Room 103	Building the Geothermal Policy Engine: Strategy, Roadmaps, & Collaboration	Kennie Tsui	The Role of National Policy in Advancing Geothermal Energy: New Zealand's Coordinated Approach	14:00 - 14:20	Kathleen Gould	Track 11 - Policy, Regulatory, Frameworks, and Standards
			Virginie Schmidle-Bloch	What 'public-private' collaboration strategies should be put in place to support the development of the renewable energy sector such as geothermal energy ?	14:20 - 14:40		
			Alicja Stoklosa	Advancing Geothermal Energy Through Strategic Financing and Policy Frameworks: Insights from the GEOTHERMICA Initiative	14:40 - 15:00		
			Chris Bromley	IEA-Geothermal Collaboration on Environmental & Social Awareness and Summary of Best-Practices	15:00 - 15:20		
			Victor Otieno	Assessing Kenya's Geothermal Policy: Successes, Challenges, and Lessons for Renewable Energy Strategies in East Africa.	15:20 - 15:40		

## TECHNICAL PROGRAM – MONDAY, JUNE 8

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
14:00 - 15:45	Telus Room 107	Global Collaboration for Geothermal Outreach and Acceptance	Sólrun Kristjánsdóttir	From Infrastructure to Conversation: A Case Study on Veitur's Rebrand and Stakeholder-Led Communication Strategy	14:00 - 14:20	TBC	Track 12 - Communication & Public Perception
			Silja Ingólfssdóttir	Communicating Complexity: Innovative Public Outreach During a Major Hot Water Downtime in Iceland	14:20 - 14:40		
			Robin Renoth	Factors Influencing Geothermal Acceptance: Insights from Germany, Switzerland, Japan, and Indonesia	14:40 - 15:00		
			Adele Manzella	Geothermal Energy and Society: Experience Around the World	15:00 - 15:20		
			Cornelia Steiner	The New Geothermal Atlas for Austria – Uncovering the Geothermal Resources for Heating and Cooling	15:20 - 15:40		
15:45 - 16:15	Exhibit Hall CD & E	Coffee Break					

## TECHNICAL PROGRAM – MONDAY, JUNE 8

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
16:15 - 18:00	Telus Room 104	Country Updates - Part 2	Graeme Beardsmore	Country Update - Australia	16:15 - 16:35	Ahmed Saad	Track 01 - Markets
			Sadiq Zarrouk	Country Update - New Zealand	16:35 - 16:55		
			Guo Xusheng	Country Update - China	16:55 - 17:15		
			Toshihiro Uchida	Country Update - Japan	17:15 - 17:35		
			Steve Grasby	Country Update - Kazakhstan	17:35 - 17:55		
16:15 - 18:00	Glen Room 209	Advances and Remaining Gaps in Superhot Rock Geothermal Deployment - Part 2	Maria Gudjonsdottir	Utilization of Superhot Geothermal Fluids from the Krafla Magma Testbed Project	16:15 - 16:35	TBC	Track 02 - Advancements in Technology and Innovations
			Peggy Jammer	A Rigorous Design Approach for Superhot Rock Wells	16:35 - 16:55		
			Angela Seligman	Developing a Global Superhot Rock Geothermal Laboratory and Research Capability Database: Connecting Research Across Disciplines to Commercialize Superhot Rock Geothermal	16:55 - 17:15		
			Isabelle Chambeft	The Rebirth of Geothermal Exploration for New Zealand: A Superhot Government Initiative	17:15 - 17:35		
			Chris Bromley	Outcomes of International Collaboration within IEA Geothermal on Research into Deep and Superhot Geothermal Resources	17:35 - 17:55		

## TECHNICAL PROGRAM – MONDAY, JUNE 8

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
16:15 - 18:00	Telus Room 108 - 109	Inhibitors, Treatment Technologies and Operational Mitigation	Michael Schweig	Cost-Effective Silica Elimination in Geothermal Operations: The CaSil Advantage	16:15 - 16:35	TBC	Track 02 - Advancements in Technology and Innovations
			Jeremy Rodefer	Case Study: Use of Highly Thermally Stable Calcite Inhibitor to Prevent Scale Formation in Orzunil Production Well	16:35 - 16:55		
			Thomas Borrmann	A Combination of Nano-structured Calcium Silicate Hydrate (CaSil) and Calcium Inhibitor Technologies Eliminates Calcite, Silica, Stibnite and Aluminate Scales	16:55 - 17:15		
			Fritz Earwin Monterozo	Characterization of Scale Deposits Under Different Binary Plant Treatment Conditions	17:15 - 17:35		
			Alan Ferguson	Improved Formation Cleaning in Production Wells: Case Studies from New Zealand	17:35 - 17:55		
16:15 - 18:00	Telus Room 105 - 106	Novel Geothermal Systems for Integrated Energy Applications	Fabien Allo	Offshore Geothermal: The Size of the Prize'	16:15 - 16:35	Mike Karanja	Track 02 - Advancements in Technology and Innovations
			Karan Titus	Re-assessing the Economic Prospects of Low-temperature Geothermal Resources Through Bioenergy Hybridization and Aqueous Dissolution of Biogenic CO <sub>2</sub>	16:35 - 16:55		
			Christopher Schiffler	Assessing the potential of combined power and cold generation for data centers with deep geothermal	16:55 - 17:15		
			Mateo D'Incalci	SEHRENE ETES Integration to the Kizildere-2 Geothermal Power Plant	17:15 - 17:35		
			Peter Ndirangu	Integrated Geothermal Energy and High-Temperature Electrolysis at Olkaria Domes: A Feasibility Framework for Electricity and Green Hydrogen Co-Production in Kenya	17:35 - 17:55		

## TECHNICAL PROGRAM – MONDAY, JUNE 8

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
16:15 - 18:00	Telus Room 103	Repurposing Oil & Gas Wells for Geothermal Deployment	Davide Scrocca	Geothermal Repurposing of Depleted Hydrocarbon Wells: Case Studies in Italy	16:15 - 16:35	Antonio Godinez Urban	Track 03 - Synergies between Geothermal and Oil & Gas
			Soheil Akbari	Evaluating the Potential for Geothermal Energy Extraction from Depleted Gas Wells in British Columbia	16:35 - 16:55		
			Mohammad Zolfagharroshan	Geothermal energy from retrofitted abandoned oil and gas wells in Alberta (Canada) for heating and electricity generation applications	16:55 - 17:15		
16:15 - 18:00	Telus Room 107	Geothermal Resource Assessment or Active & Closed Mines - Part 1	Torsten Seidel	Unlocking the Potential of Abandoned Coal Mines for Thermal Energy Storage: A Stepwise Modelling Approach	16:15 - 16:35	Félix-Antoine Comeau	Track 04 - Synergies between Geothermal and Mining
			W. G. Pabasara Kumari	Mine Water Geothermal Systems: Assessing Heat Recovery and Seasonal Thermal Storage	16:35 - 16:55		
			Frederic Ransy	Retrofitting abandoned slate mine for long-term thermal energy storage: lessons learned from the WeForming and Ard-Nrgy projects	16:55 - 17:15		
			Florian Hahn	The foreseen Mine thermal energy storage (MTES) system within the PUSH-IT project	17:15 - 17:35		
			Grant Wach	Low-Enthalpy Geothermal Energy from Mine Water and Sea Water	17:35 - 17:55		

## TECHNICAL PROGRAM – MONDAY, JUNE 8

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
16:15 - 18:00	Telus Room 101 - 102	Geothermal & Sustainable Development: Global Perspectives, Capacity Building, Community Empowerment	Amos Kamau	The Role of Geothermal Energy in Advancing UN Sustainable Development Goal	16:15 - 16:35	TBC	Track 06 - Geothermal for Sustainable Development
			Xiaohua Diao	Opportunities and Challenges for Sustainable Development of Geothermal Energy in China in the New Era	16:35 - 16:55		
			Aysegul Turan	Geothermal Education Across the IGCP-636 Network: A Global University Perspective	16:55 - 17:15		
			Graça Rangel	Producing Geothermal Energy in the Azores: Challenges and Benefits	17:15 - 17:35		
16:15 - 18:00	Glen Room 208	Thermal reserves valuation: pre-drill techno-economics	Torsten Kolind	How Next-Gen Geothermal Financing is Evolving at the Level of Innovation Clusters, Firms, and Technologies	16:15 - 16:35	Chima Justin Ezekiel	Track 10 - Economics
			Gong Xiao	Innovation is All Geothermal Economics Needs: An Empirical Study on the Investment of Large Oil and Gas Companies in the Geothermal Field'	16:35 - 16:55		
			Samuel Herrboldt	Techno-Economic Evaluation of Hot Sedimentary Geothermal Systems using GEOPHIRES-X	16:55 - 17:15		
			Yodha Yudhistra Nusiaputra	Sliding Scale Feed-in Tariff for Geothermal Energy Investments	17:15 - 17:35		

## TECHNICAL PROGRAM – MONDAY, JUNE 8

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
16:15 - 18:00	Glen Room 203 - 204	Exploration for Geothermal Development in Volcanic Settings – Part 2: Andes, Arcs and High-Temperature Prospects	Philippe Robidoux	Decadal gas monitoring for geothermal production and exploration: Andean experience	16:15 - 16:35	TBC	Track 09 - Exploration and Characterization
			Gloria Arancibia	The Nevados de Chillán as a fault-controlled Geothermal System in Southern Chile: a review of the last achievements to a new conceptual model	16:35 - 16:55		
			Joe Elliot	Exploring a Novel Geothermal System: A Two-Year Geoscience Study and Conceptual Model of the Cachapoal Prospect, Chile	16:55 - 17:15		
			Oscar Cahuana Alarcon	Geothermal Prospecting Of The Apacheta Geothermal Field In Bolivia Using 1d Inversion Of Magnetotelluric Data	17:15 - 17:35		
16:15 - 18:00	Glen Room 201 - 202	Geothermal Play Fairway Analysis (GPFA) – Part 2: Targeting, Training Sites and Superhot Resource Scenarios	Cary Lindsey	A Practical Playbook for Geothermal Exploration in the Great Basin Region, Western USA: Integrating Tools, Fieldwork, and Data Analytics for Resource Assessment	16:15 - 16:35	Chima Justin Ezekiel	Track 08 - Challenges in Geothermal
			Nicole Hart-Wagoner	Refining the INGENIOUS Project Regional Play Fairway Approach: Evaluating Negative Training Site Strategies and Logistic Regression Model Performance in the Great Basin Region, Western USA	16:35 - 16:55		
			Nicole Taverna	3D Play Fairway Analysis for Examining of Superhot Reservoir Production Scenarios	16:55 - 17:15		
			James Faulds	Favorable Structural Settings of Geothermal Systems in Active Tectonic Regions: A Global Perspective	17:15 - 17:35		
			Seth Saltiel	A Comparative Study of Superhot Rock (SHR) Geothermal Demonstration Sites Across Diverse Geodynamic Settings	17:35 - 17:55		

## TECHNICAL PROGRAM – MONDAY, JUNE 8

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
16:15 - 18:00	Glen Room 206	Heat Transfer and Thermal Property Characterization Applied to Petrothermal Systems – Part 2: Laboratory Data, Thermal Conductivity and Modelling	David Moreno	Expanding the Thermal Conductivity Assessment of the St. Lawrence Lowlands (Quebec, Canada): A New Laboratory Dataset from Optical Scanning	16:15 - 16:35	Jasmin Raymond	Track 09 - Exploration and Characterization
			Maria Alejandra Taborda Ortiz	An Analytical Model to Calculate the Thermal Conductivity of the Reference Crab Orchard Reservoir Rock	16:35 - 16:55		
			Carolin Wallmeier	"Beyond Gringarten: A closed-form solution to predict the temperature evolution of geothermal doublets (in porous, low-enthalpy settings)"	16:55 - 17:15		
			Yuan Yu	Study on Cold and Heat Response Characteristics of Geothermal Field Based on Shallow Geothermal Energy Development	17:15 - 17:35		

## TUESDAY, JUNE 9

Time	Session Name	Host	Location	Session Type
08:30 - 09:30	<b>Can the Earth Power the Cloud?</b>	<b>Geothermal Canada</b>	<b>Macleod Room E2</b>	<b>Ministerial</b>
<p>As artificial intelligence, cloud computing, and digital infrastructure accelerate across Canada and Alberta, demand for reliable, scalable, and low-carbon electricity is rising rapidly. This plenary conversation brings together leaders from government, technology, industry, and energy to explore the potential role of geothermal energy in powering the next generation of digital infrastructure while strengthening competitiveness, resilience, and long-term energy security.</p>				
08:30 - 10:15	<b>Plenary #1 - Digital Innovation and Geothermal – Success Stories and a View to the Future</b>	<b>Seequent</b>	<b>Macleod Ballroom ABCD</b>	<b>Plenary</b>
<p>Digital technologies are rapidly transforming the geothermal sector – from exploration and reservoir modelling to drilling optimisation, operational efficiency, and integrated subsurface decision-making. This plenary panel brings together industry leaders and technology innovators to showcase success stories, emerging digital tools, and future perspectives shaping the next generation of geothermal development.</p> <p>Panelists: Angela Harvey (moderator), Chief Customer Officer, Seequent; Ghazal Izadi, COO, XGS Energy; Daniel Minguez, Senior VP of Resource and Engineering, Cyrq Energy; Jeremy O'Brien, Segment Director – Energy, Seequent</p>				
08:30 - 10:15	<b>Panel #4 - Growing Market in Cold Regions: Perspectives and Case Studies</b>	<b>Geothermal Association of Quebec</b>	<b>Macleod Room E4</b>	<b>Panel</b>
<p>Reaching first power faster—and with greater certainty—requires rethinking how geothermal projects are delivered. This panel explores how integrated approaches combined with new commercial, financing, and partnership models are reshaping and accelerating the path from feasibility to first power. Panelists will discuss how new ways of working and closer collaboration across the value chain improves execution certainty, unlocks capital, and enables geothermal to scale as a bankable source of firm, clean power.</p> <p>Moderator: Marion Saby, Association Géothermie Québec; Guillaume Comeau, Orflow Geosciences</p> <p>Panelists: Jasmin Faucher, Association Géothermie Québec / GBI; Simon Todd, Causeway Energies / SCW UK; Mafalda Miranda, GrAnalytics; Jim Bererton, Thermastor; Juliette Newson, Iceland School of Energy</p>				



## TUESDAY, JUNE 9

Time	Session Name	Host	Location	Session Type
08:30 - 10:30	<b>Roundtable #2 - Unlocking Academic Publishing: Grow as an Author, Editor, or Reviewer with Elsevier</b>	In collaboration with Elsevier	Macleod Room E1	Roundtable
<p>Are you looking to publish your work, get involved in peer review, or explore opportunities as an editor or book author? Join us at the World Geothermal Congress for a practical, insider's workshop on how to engage with academic publishing in journals and books. Here you will learn about journal publishing essentials and how researchers can get involved as reviewers or editors. You will also be introduced pathways for developing academic books in geothermal and energy.</p> <p>Lead Host: Fran Kennedy-Ellis, Med, Senior Acquisitions Editor, Elsevier Energy Books</p> <p>Facilitator: Yi Zheng, PhD, Publisher, Geothermics</p>				
10:15 - 10:45	<b>Coffee Brea</b>		Exhibit Hall CD & E	
10:45 - 12:30	<b>Plenary #2 - Energy Independence</b>	Eavor	Macleod Ballroom ABCD	Plenary
<p>As geothermal technologies continue to advance, more countries are exploring how domestic geothermal resources can strengthen energy independence. This plenary panel brings together international leaders and project pioneers to discuss the practical steps needed to accelerate geothermal development at scale, exploring enabling policy frameworks, investment conditions, drilling and exploration strategies, regulatory approaches, and capacity building.</p>				



# Unmatched Geothermal Expertise to Commercialize & Scale the **Next Generation of EGS**

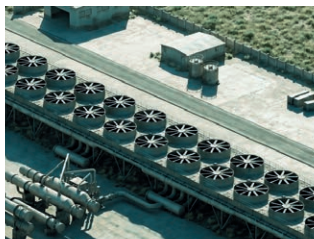
Tangible, vertically integrated end-to-end capabilities to reliably accelerate EGS deployments

**60 YEARS  
OF EXPERIENCE**

Established contracts with hyperscalers, data centers, and numerous load-serving entities

**JOIN OUR  
TEAM**

**COMPETITIVE  
ADVANTAGES**



**1.8GW  
PORTFOLIO**

Be Part of Something BIG!



## TUESDAY, JUNE 9

Time	Session Name	Host	Location	Session Type
10:45 - 12:30	<b>Panel #5 - Delivering Firm, Clean Power: Scaling Next Generation Geothermal Systems with Certainty</b>	Baker Hughes	Macleod Room E3	Panel
<p>Clean, firm power demand is accelerating as grids strain under electrification and high-load users like data centers. Next-generation geothermal – including AGS and EGS – delivers reliable 24/7 energy—but scaling requires certainty across subsurface performance, well delivery, and surface conversion. This panel convenes developers, operators, financiers, and technology leaders to share what it takes to move from “first-of-a-kind” to repeatable portfolios: reducing resource and execution risk, strengthening measurement and verification, optimizing surface power cycles and structuring commercial frameworks that improve bankability and predictable outcomes.</p>				
10:45 - 12:30	<b>Panel #6 - From Rock to Revenue: Legal, Technical, and Financial Pathways for Superhot, EGS, and AGS</b>	Green by Iceland	Macleod Room E4	Panel
<p>Next-generation geothermal technologies such as Superhot geothermal, Enhanced Geothermal Systems (EGS), and Advanced Geothermal Systems (AGS) have the potential to transform global energy systems. This session examines how to turn that potential into commercially viable projects by addressing the technical, regulatory, legal, and financial barriers that often slow deployment. Bringing together developers, policymakers, engineers, investors, and legal experts, the discussion will focus on practical solutions to unlock investment, reduce risk, and accelerate deployment of next-generation geothermal at scale.</p> <p>Moderator: Antoine Lochet, Elements by BBA/Fjeldco; Anna Björg Guðjónsdóttir</p> <p>Panelists: Björn Þ. Guðmundsson, KMT; Magnús Ásbjörnsson, Reykjavík Geothermal; Dawn Owens, Fervo; Ghazal Izadi, XGS Energy; Árni Magnússon, ISOR</p>				
10:45 - 12:15	<b>Roundtable #3 - Scaling Geothermal: Aligning Communication for Industry, Policy, Finance and the Public</b>	Baseload	Macleod Room E1	Roundtable
<p>Clear, credible, and coordinated communication is essential to accelerating geothermal development worldwide. This interactive roundtable brings together communication professionals and industry representatives to discuss shared messaging priorities and develop actionable recommendations for the IGA and the industry to improve communication and scale our industry.</p> <p>Facilitators: Boel Stier (moderator), Baseload Capital, Alexander Richter, ThinkGeoEnergy, Harry Kelso, Quaise, Kristina Hagström-Ilievska, Baseload Capital.</p>				

# PRESENTATION SCHEDULE



**WGC 2026**  
FORGING GEOTHERMAL INNOVATION  
JUNE 8 - 11, 2026 | CALGARY, CANADA

## TUESDAY, JUNE 9

Time	Session Name	Host	Location	Session Type
12:30 - 14:00	Lunch Break and Poster Session		Exhibit Hall CD & E	
12:30 - 14:00	Lunch and Learn #2 - GeoCert: Help Shape the Future of Geothermal Workforce Competence Globally	GeoCert	Macleod Room E2	Lunch and Learn
<p>As the geothermal sector scales worldwide, developing a skilled, qualified, and internationally recognised workforce is becoming increasingly important.</p>				
12:30 - 14:00	Lunch and Learn #3 - SLB: De-Risking and Optimizing Geothermal Projects with AI and Digital Workflows	SLB	Macleod Room E3	Lunch and Learn
<p>This Lunch &amp; Learn session explores how AI-enabled tools and digital workflows can help de-risk geothermal development across the project lifecycle – from resource assessment and drilling to reservoir management and operational optimization.</p>				



## TUESDAY, JUNE 9

Time	Session Name	Host	Location	Session Type
13:45 - 15:45	<b>Roundtable #4: Global Geothermal Airports Network</b>		<b>Macleod Room E1</b>	<b>Roundtable</b>
<p>Airports are energy-intensive infrastructure assets with growing heating, cooling and thermal storage demands. As aviation moves from sustainability commitments to measurable decarbonisation delivery, shallow geothermal, or geo-exchange, systems offer a practical, lower-risk route to emissions reduction and long-term asset value. This WGC session brings together international airports at different stages of implementation, from feasibility and programme development to construction, commissioning and early operation. It examines how geo-exchange can support scalable, replicable and auditable decarbonisation across airport estates, while responding to the wider shift toward performance-driven climate transition outcomes and resilient infrastructure solutions.</p> <p>Host: Joseph Ireland, Business Development Manager, GeoServe Ltd</p> <p>Facilitators: Jeremy Carkner, Senior Project Manager - Sustainability, daa; Etienne Seguin-Dupuis Mechanical Engineer - Airport Infrastructure, Montréal-Trudeau International Airport; Darren Watson, Senior Vice President, Chief Experience Officer, Louisville Regional Airport Authority; Charlotte Xin Zhao, CEO, Arctic Green</p>				
14:00 - 15:45	<b>Panel #7 - Advancing Resource Assessments for Underground Thermal Energy Storage (UTES)</b>	<b>Geological Survey</b>	<b>Macleod Room E4</b>	<b>Panel</b>
<p>This panel brings together international experts to discuss methods for assessing underground thermal energy storage (UTES) resources at regional and national scales. Topics include suitability, capacity, performance, sustainability, risks, and uncertainty, with emphasis on key datasets, mapping workflows, and practical strategies for developing robust UTES resource assessments worldwide.</p> <p>Moderator: Jeff Pepin, USGS; Cornelia Steiner, GeoSphere Austria</p> <p>Panelists: Dr. Martin Bloemdal, TU Delft / TNO; Dr. Erik Burns, USGS; Robin Horsemans, Dutch Delegation / Netherlands Enterprise Agency; Dr. Adela Ramos Escudero, TU Delft; Dr. Wanju Yuan, Natural Resources Canada / Geological Survey of Canada</p>				

# PRESENTATION SCHEDULE



**WGC 2026**  
FORGING GEOTHERMAL INNOVATION  
JUNE 8 - 11, 2026 | CALGARY, CANADA

## TUESDAY, JUNE 9

Time	Session Name	Host	Location	Session Type
14:00 - 15:45	<b>Geothermal Youth Forum</b>	<b>Oil Sands Alliance</b>	<b>Macleod Room E2</b>	<b>Special Session</b>
<p>The Geothermal Youth Forum brings together students, young professionals, emerging leaders, and innovators to explore the future of geothermal energy. The forum will feature discussions on careers, innovation, entrepreneurship, leadership, climate solutions, and the evolving global energy landscape.</p>				
14:00 - 18:00	<b>Workshop on Superhot Geothermal Energy – KMT &amp; EPOS</b>	<b>Krafla Magma Testbed &amp; European Plate Observing System</b>	<b>Macleod Room E3</b>	<b>Workshop</b>
<p>Superhot geothermal energy has the potential to transform the future of clean firm power. This workshop will bring together researchers, industry experts, technology developers, and policymakers to explore the latest developments.</p>				

## TUESDAY, JUNE 9

Time	Session Name	Host	Location	Session Type
15:00 - 17:00	<b>Invest in Geothermal: Investor Roundtable (Invitation Only)</b>		Colab Room	Special Session
<p>This exclusive investor-focused session brings together developers, financial institutions, infrastructure investors, policymakers, and industry leaders to explore the growing global investment landscape for geothermal energy. Discussions will focus on emerging market opportunities, project financing models, risk reduction strategies, policy frameworks, and the conditions needed to accelerate investment into geothermal power, heating, cooling, storage, and next generation geothermal technologies. The session is designed to foster strategic dialogue, partnerships, and long-term collaboration across the geothermal investment ecosystem.</p>				
15:45 - 16:15	<b>Coffee Break</b>		ExhibitHall C, D & E	
16:00 - 18:00	<b>Roundtable #5 - Have Your Say: The IADC Geothermal Well Drilling Guideline</b>	IADC	Macleod Room E1	Roundtable
<p>Geothermal well drilling standards vary widely by region. The International Association of Drilling Contractors (IADC) is developing a global guideline drawing on existing standards and member experience. During the session, the IADC Geothermal Well Classification and various guideline sections will be presented to participants to gather feedback and inform further development.</p> <p>Host: Scott Farmer, H&amp;P</p> <p>Facilitators: Alex Vetsak, Eavor; Tony Deer, Well Control School; Bruce Gatherer, Iceland Drilling Gabriel Houg, Beyond MPD</p>				
16:15 - 18:00	<b>Panel #8 - Geothermal for the SDGs</b>	E2E Energy Solutions	Macleod Room E4	Panel
<p>As the energy transition accelerates, geothermal should be valued beyond baseload power. This panel presents a framework for mapping direct-use and co-production applications against SDG targets, from heated greenhouses to lithium extraction.</p> <p>Moderator: Sabina Isandarova, E2E Energy Solution / Environmental &amp; Sustainability Initiative</p> <p>Panelists: Prof. Apostolos Kantzas, University of Calgary; Mohammad Chowdhuri, Alberta Innovates; Marziyeh Kamali, PTRC; Joseph Ireland, GeoServ / IGA Volunteer; Jackson Grimes, Project InnerSpace; Kelly Piers, C-FER Technologies</p>				

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
08:30 - 10:15	Telus Room 104	Country Updates - Part 3	Branislav Fricovskj	Country Update - Slovakia	08:30 - 08:50	TBC	Track 01 - Markets
			Annamaria Nador	Country Update - Hungary	08:50 - 09:10		
			Joseph Ireland	Country Update - Ireland	09:10 - 09:30		
			Nora Heijnen	Country Update - The Netherlands	09:30 - 09:50		
			Ann Robertson-Tait	Country Update - USA (Power)	09:50 - 10:10		
08:30 - 10:15	Glen Room 209	Advances in drilling technologies & data - Part 1	Alex Vetsak	Accelerating Closed-Loop Geothermal Well Construction: Cost and Time Reductions via Active Magnetic Ranging Technology	08:30 - 08:50	Stephan Henriquez	Track 02 - Advancements in Technology and Innovations
			Laurent Gerbaud	Drill Deeper, Faster: Fluid-Driven High-ROP Drilling with Real-Time Seismic Insight for Deep Geothermal	08:50 - 09:10		
			Bart Goelema	Shock Cooling Assisted Drilling: Thermal-Mechanical Finite Element Modeling of Rock Weakening and MSE Reduction	09:10 - 09:30		
			Andreas Reinicke	Fast Hole Making while Steering with Directional Steel Shot Drilling: Technology Overview and Field Performance	09:30 - 09:50		
			Marlene Villeneuve	Interpreting Drilling Data to Inform Deep Geothermal Reservoir Rock Mass Properties	09:50 - 10:10		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
			Freyr Hardarson	Potential of High Enthalpy Geothermal Power Plants to Operate at Variable Load	08:30 - 08:50		
			Patrick Robinson	Application of Two-Phase Computational Fluid Dynamics Modelling (CFD) to Geothermal Surface Facilities	08:50 - 09:10		
08:30 - 10:15	Telus Room 108 - 109	Advances in power plants - Part 1	Gudmundur Kjartansson	Gland steam removal system for steam turbines with direct contact coolers	09:10 - 09:30	Gad Soshan	Track 02 - Advancements in Technology and Innovations
			Robert Wilms	Surface vs. Direct Contact Condenser – A Review in Respect to Emission Control in Direct and Flash Steam Geothermal Power Plants in a Stringent Regulatory Landscape	09:30 - 09:50		
			Christopher Schiffler	Novel reversible heat pump technologies for geothermal district heating networks	09:50 - 10:10		
			Gunnar Skulason Kaldal	"Improved Casing Design for Mitigation of Casing Failures in High-Temperature Geothermal Wells using State-Of-The-Art Methodology with Novel Technology"	08:30 - 08:50		
			Ásdís Benediktsdóttir	Future of Geothermal Wells in Superhot Context	08:50 - 09:10		
08:30 - 10:15	Telus Room 105 - 106	Advances in well engineering and pump technology - Part 1	Anil Tokcan	Reducing Flat Time in Geothermal Drilling: Surface-Landed Threaded Wellhead Installation	09:10 - 09:30	Matus Gajdos	Track 02 - Advancements in Technology and Innovations
			Ray Romey	Coiled Tubing Hammer Live Well Cleanouts: Journey from Experimental to Proven Routine Maintenance Technology	09:30 - 09:50		
			Dimitra Teza	Development of a novel oil return system for Line Shaft Pump technology within the ANtLiA research project	09:50 - 10:10		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
08:30 - 10:15	Telus Room 103	Oil & Gas-Geothermal Synergies in the Energy Transition	Shruti Raghuram	The Energy Transition Is No Straight Line - How Can Geothermal Help?	08:30 - 08:50	Kana Galma	Track 03 - Synergies between Geothermal and Oil & Gas
			Micaela Villarroel	Geothermal Energy in Sedimentary Basins: A New Horizon for the Oil Industry in Ecuador	08:50 - 09:10		
			Suryantini Suryantini	Unlocking the Potential of Hot Sedimentary Aquifers in Indonesia: A Technical Framework Integrating Geomechanical Perspectives for Future Development	09:10 - 09:30		
			Timothy DeBacker	Introducing SEEBASE, a Bottom-up Basement Interpretation and Geothermal Model of the Globe	09:30 - 09:50		
08:30 - 10:15	Telus Room 101 - 102	Harnessing geothermal power and talent for energy security, social responsibility and community impact	Ryan Tonkin	An Update on International Capacity Building at The University of Auckland's Geothermal Institute	08:30 - 08:50	TBC	Track 06 - Geothermal for Sustainable Development
			Malfridur Omarsdottir	From Training to Impact: Beneath the Surface of the UNU/GRÓ Geothermal Training Programme	08:50 - 09:10		
			Bjarni Richter	GRÓ Geothermal Training Programme in Iceland: 46 Years of Worldwide Capacity Building in Geothermal Energy	09:10 - 09:30		
			Marcela Bascope	Polaris Renewable Energy Empowering Communities in Latin America	09:30 - 09:50		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
08:30 - 10:15	Glen Room 203 - 204	Advances in Characterization and Reservoir Performance of Hot Sedimentary Aquifers - Part 1	Alexandros Daniilidis	Robust Framework to Evaluate Representative Heterogeneity for the Simulation of Direct-Use Geothermal Systems	08:30 - 08:50	David McNamara	Track 09 - Exploration and Characterization
			Hester Claridge	Exploring the Impact of Different Geological Concepts in Sedimentary Aquifers in Europe.	08:50 - 09:10		
			Ábel Markó	A Methodology for the Comprehensive Evaluation of the 'Geothermal Reinjection Potential' into Siliciclastic Aquifers, Demonstrated in Zala study area, SW Hungary	09:10 - 09:30		
08:30 - 10:15	Glen Room 201 - 202	Geothermal Play Fairway Analysis (GPFA) – Part 3: Regional Screening, Favourability Mapping and Uncertainty	Matthew Turner	Geothermal high level screening potential in global basins using E&P data	08:30 - 08:50	Matt Grobe	Track 09 - Exploration and Characterization
			Arif Rabbani	Formation-Scale Geothermal Favourability Mapping and the Geothermal Atlas of Alberta	08:50 - 09:10		
			Hamidreza Jafarisaroughi	Identifying of geothermal resources of Iran by AHP and Weighted Index Overlay methods in GIS	09:10 - 09:30		
			Xiaoxue Jiang	Application of the Monte Carlo Method for Geothermal Resource Assessment in Low-Exploration, High-Potential Areas: A Case Study of the Longchuan Basin, Yunnan Province	09:30 - 09:50		
			Mathew Mwangomba	Addressing Uncertainties in Geothermal Prospect Assessment: Insights from the Kiejo-Mbaka Field	09:50 - 10:10		

# PRESENTATION SCHEDULE

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
08:30 - 10:15	Glen Room 206	The Geothermal Structure of the Earth: Advancing Data, Measurements, and Complex Modeling – Part 1: National and Global Data Foundations	Graeme Beardsmore	Advancing Global Standards for Geothermal Subsurface Data: IHFC's Commitment to Quality and Consistency	08:30 - 08:50	TBC	Track 09 - Exploration and Characterization
			Andres Gonzalez Quiros	Making national geothermal data and information accessible to support exploration and characterisation for heat decarbonisation in the UK	08:50 - 09:10		
			Runqian Wei	3D Modeling of Terrestrial Temperature and Geothermal Resource Assessment throughout China Using Physics-informed Neural Network	09:10 - 09:30		
			Nicole Lautze	Current Understanding of Geothermal Resources across the State of Hawaii (USA)	09:30 - 09:50		
			Steinunn Hauksdóttir	A New Countrywide Geothermal Resource Assessment for Iceland	09:50 - 10:10		
08:30 - 10:15	Glen Room 208	Geothermal Development Derisking and Optimization Strategies	James Patterson	Techno-economic Optimization of Geothermal Systems with TANGO	08:30 - 08:50	Scott Hess	Track 10 - Economics of Geothermal
			Nils Deissner	Financing Deep Geothermal Energy: Strategies to Mitigate Exploration Risk in Europe	08:50 - 09:10		
			Malcolm Ross	Reframing ESG as Tangible Economic Inputs to Techno-Economic Analysis in Geothermal Projects	09:10 - 09:30		
			Aulia Rizky Pratama	Cost Optimization Strategies for Geothermal Power Construction in Indonesia: Insights and Lesson Learned from the U.S. and Turkey	09:30 - 09:50		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
08:30 - 10:15	Telus Room 107	Community Geothermal: Indigenous Leadership, Respect and Shared Prosperity	Kerin Brockbank	Project Whangai – Nurturing Maori in Geothermal	08:30 - 08:50	Cecilia Rodríguez Gómez	Track 12 - Communication & Public Perception
			Michael Stevens	Improving Relationships with Indigenous People	08:50 - 09:10		
			Andrea Blair	Waiwhatu-Arawhata: Developing English–Te Reo Maori Terms for Communicating Geothermal Scientific Terms	09:10 - 09:30		
10:15 - 10:45	Exhibit Hall CD & E	Coffee Break					
10:45 - 12:30	Telus Room 104	Country Updates - Part 4	Dusan Rajver	Country Update - Slovenia	10:45 - 11:05	TBC	Track 01 - Markets
			Shakiru Idrissa Kajugus	Country Update - Tanzania	11:05 - 11:25		
			Ingimar G. Haraldsson	Country Update - Iceland	11:25 - 11:45		
			Magaly Flores-Armenta	Country Update - Mexico	11:45 - 12:05		
			Signhild Gehlin	Country Update - Sweden	12:05 - 12:25		

# PRESENTATION SCHEDULE

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
10:45 - 12:30	Glen Room 209	Advances in drilling technologies & data - Part 2	Tom Elliot	De-risking geothermal drilling: the mixed fleet approach. A cost effective, time saving drilling method	10:45 - 11:05	Andreas Reinicke	Track 02 - Advancements in Technology and Innovations
			Pradeepkumar Ashok	Reducing Drilling Costs and Maximizing Energy Extraction in a Geothermal Well with Advanced Temperature-Pressure Management Controllers	11:05 - 11:25		
			Derek Lastiwka	Simulation Framework for Analyzing Fluid–Drill String Interactions in Geothermal Well Drilling Under Novel Conditions	11:25 - 11:45		
			Alexis Koulidis	Comprehensive Assessment of the DEL-GT-02 Drilling Operations at TU Delft Campus	11:45 - 12:05		
			Esther Nyambura Njuguna	Planning for Efficient Drilling Operations (A Case Study of Drilling Well PW 03B)	12:05 - 12:25		
10:45 - 12:30	Telus Room 108 - 109	Advances in power plants - Part 2	Hilmar Mar	The Peistareykir Geothermal Power Station: Improved Efficiency for Electricity Generation with the Addition of a Topping Unit	10:45 - 11:05	TBC	Track 02 - Advancements in Technology and Innovations
			Mohamad Husni Mubarok	CFD Model of Two-phase Flow Geothermal Fluid Through an Orifice Plate	11:05 - 11:25		
			Azam Thatte	Novel Pressure Recovery System for Increasing Efficiency of Geothermal Power Plants	11:25 - 11:45		
			Giorgia Ruffato	The Gemini Turbine: A Boost for Power Generation in Large-Scale ORC Geothermal Plants	11:45 - 12:05		
			Nathaniel Mugo	Development of a Simplified Operator Training Simulator for Geothermal Wellhead Power Plants Using MATLAB and Simulink	12:05 - 12:25		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
10:45 - 12:30	Telus Room 105 - 106	Advances in well engineering and pump technology - Part 2	Ray Romey	Tubing Impossible: Rig-less Casing Repair in a Geothermal Well with Coiled Tubing	10:45 - 11:05	Song Xianzhi	Track 02 - Advancements in Technology and Innovations
			Kim Maver	Repurposing a hydrothermal well with a closed loop vacuumized pipe-in-pipe solution	11:05 - 11:25		
			Joven John Cayao	Comprehensive Approach in Geothermal Drilling and Workover to Address Cementing Uncertainties and Well Integrity Challenges Using Metal Expandable Packers	11:25 - 11:45		
			Benjamin Eilan	OPP350L Geothermal Pump Development - From Preliminary Concepts to Field Installation	11:45 - 12:05		
			Sigit Prabowo	Corrosion Risk Assessment for Reinjection of Combined Brine Fluid to Intermediate Aquifer	12:05 - 12:25		
10:45 - 12:30	Telus Room 103	Subsurface Characterisation & Reservoir Engineering	Antonio Godinez Urban	Bridging the Gap Between Geothermal and Oil&Gas in Mexico: Three HPHT Case Studies Using PTS-CCL-GR Logging	10:45 - 11:05	TBC	Track 03 - Synergies between Geothermal and Oil & Gas
			Isabel Perez Martinez	Exploring Diffuse CO <sub>2</sub> Emissions Across the Trans-Mexican Volcanic Belt	11:05 - 11:25		
			Sean Hinke	Closed-loop magnetic ranging design	11:25 - 11:45		

# PRESENTATION SCHEDULE

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
10:45 - 12:30	Telus Room 107	Geothermal Resource Assessment or Active & Closed Mines - Part 2	Dimitra Teza	Exploring Geothermal Potential: Drilling and Pumping Tests at the Dannenbaum Mine	10:45 - 11:05	Jasmin Raymond	Track 04 - Synergies between Geothermal and Mining
			Felix-Antoine Comeau	From Gold to Heat: Unlocking Québec's Mining Legacy through Geothermal Energy	11:05 - 11:25		
			Emna Bouzaiene	First operational assessment of a geothermal pilot system in one of Quebec's active mines (Eastern Canada)	11:25 - 11:45		
			Andres Gonzalez Quiros	Evaluating Sustainable Heat Recoverable from Mine Water Geothermal Systems: A Critical Assessment of Methodological Applicability	11:45 - 12:05		
			Anastasia Wanjohi	Synergy between Carbon Capture and Storage (CCS) and Geothermal Energy in Kenya: A Pathway to Climate Innovation	12:05 - 12:25		
10:45 - 12:30	Telus Room 101 - 102	Gender equity in geothermal development: history, leadership, and inclusive transitions	Karen R. Christopherson	45 Years of Women in the Geothermal Sector: 1980-2025	10:45 - 11:05	Elizabeth Henriquez	Track 06 - Geothermal for Sustainable Development
			Jeanne Vidal	Power, Gender, and the Ground Beneath: Rethinking Geothermal with People in Mind	11:05 - 11:25		
			Umut Solaroglu	Spreading the WiNGs of Future Women Leaders	11:25 - 11:45		
			Kunzes Dolma	Social Dimensions of Geothermal Energy Development in the Indian Himalayas: Toward a Gender-Equitable and Inclusive Transition	11:45 - 12:05		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
			Larus Thorvaldsson	Harnessing Geothermal Infrastructure for Volcanic Early Warning	10:45 - 11:05		
			Thrainn Fridriksson	Operational Disruption Risks of the Reykjavík Area District Heating System with respect to Renewed Volcanic Activity on the Reykjanes Peninsula, SW Iceland	11:05 - 11:25		
10:45 - 12:30	Glen Room 208	Tackling Natural Hazards in Geothermal	Alissa Sanchez	Harnessing Geothermal Energy Amid Volcanic Challenges: Insights from Ormat's Puna Geothermal Venture	11:25 - 11:45	Helen Robinson	Track 08 - Challenges in Geothermal
			Anette Kærgaard Mortensen	Subsurface Dynamics and Geohazard Monitoring in NE Iceland: Insights from Krafla and Theistareykir Geothermal Fields	11:45 - 12:05		
			Rita Martins	Developing Emergency Response Protocols for the Pico Alto Geothermal Power Plant Facing Volcanic Risk (Terceira Island, Azores, Portugal)	12:05 - 12:25		
			Sveinborg H. Gunnarsdottir	Journey from Hot Spring Use to Drilling and Utilizing a Production Well in Laugarvatn Iceland	10:45 - 11:05		
10:45 - 12:30	Glen Room 201 - 202	Exploration for Geothermal Development in Volcanic Settings – Part 3: Island Arc and Icelandic Systems	Ryan Libbey	Conceptual Model of the Ijen Geothermal Field, East Java: Indonesia's First Developed Blind Geothermal System	11:05 - 11:25		Track 09 - Exploration and Characterization
			Dario Ingi Di Rienzo	Subsurface characterization of the southern fringes of the Hellisheidi-Hverahlíd geothermal systems: Deep slim-well exploration drilling campaign.	11:25 - 11:45	TBC	
			María Sigríður Guðjónsdóttir	Connecting High- And Low-Pressure Geothermal Wells Using a Supersonic Ejector: Analysis of Field Tests at the Theistareykir Geothermal Power Plant	11:45 - 12:05		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
10:45 - 12:30	Glen Room 203 - 204	Heat Transfer and Thermal Property Characterization Applied to Petrothermal Systems – Part 3: Monitoring, Storage and Heat Extraction Design	Fred Beekman	Do Salt Diapirs promote the Geothermal Energy Potential of Shallow Aquifers?	10:45 - 11:05	David Bruhne	Track 09 - Exploration and Characterization
			Suryantini Suryantini	Comparison of Landsat Land Surface Temperature and Shallow Ground Thermal Measurements for Geothermal Exploration	11:05 - 11:25		
			Wanju Yuan	Remote Sensing and Ground Temperature Monitoring for Geothermal Resource Exploration in Northern Canada: A Case Study from the Burwash Landing Area of Yukon, Canada	11:25 - 11:45		
			Clemens Lehr	Chrono Thermography - fiber optic-based integrity testing of the backfill of geothermal probes via Distributed Temperature Sensing (DTS)	11:45 - 12:05		
			Ingo Sass	Progress of the GeoLaB URL exploration in the Odenwald (Germany): towards the final site construction decision	12:05 - 12:25		
10:45 - 12:30	Glen Room 206	The Geothermal Structure of the Earth: Advancing Data, Measurements, and Complex Modeling – Part 2: 3D Geological and Thermal Modelling	Helga Margrét Helgadóttir	Elliðaárdalur Low Temperature Field, Reykjavík, Iceland – 3D Modelling and Well Siting in an Urban Environment	10:45 - 11:05	Graeme Beardsmore	Track 09 - Exploration and Characterization
			Josh Sellars	3D Exploration Modelling of Dixie Valley Nevada Using Limited Data in Leapfrog Energy and Oasis Montaj	11:05 - 11:25		
			Valeria Salome Nogales Herrera	Application of Rapid Reservoir Modeling to Address Uncertainty in the Exploration of Faulted Geothermal Systems	11:25 - 11:45		
			Arif Rabbani	Geothermal Resource Characterization of the Precambrian Basement of Alberta	11:45 - 12:05		

# PRESENTATION SCHEDULE

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
12:30 - 14:00	Exhibit Hall CD & E	Lunch Break and Poster Session					
			Richard Mavisi Liahona	Country Update - Kenya	14:00 - 14:20		
			Bernardo Beate	Country Update - Ecuador	14:20 - 14:40		
14:00 - 15:45	Telus Room 104	Country Updates - Part 5	Daniel Gustavo Villarroel Camacho	Country Update - Bolivia	14:40 - 15:00	TBC	Track 01 - Markets
			Jeffrey M. Andel	Country Update - Philippines	15:00 - 15:20		
			Surya Darma	Country Update - Indonesia	15:20 - 15:40		
			Sam Abraham	Reverse Circulation Foamed Latex Cementing Method and Application in Geothermal Wells	14:00 - 14:20		
			Matus Gajdos	Innovative Reeled Drilling System: Enabler of "Factory Drilling" for Onshore Geothermal Applications	14:20 - 14:40		
14:00 - 15:45	Glen Room 209	Advances in drilling technologies & data - Part 3	Emad Jahangir	Numerical Investigation of PDC Bit Wear under Thermo-Mechanical Coupling in Hot Dry Rock Drilling	14:40 - 15:00	Mike Karanja	Track 02 - Advancements in Technology and Innovations
			Alex Vetsak	Survey Management and Azimuthal Accuracy in Closed-Loop Geothermal Laterals	15:00 - 15:20		
			Yuta Takahashi	Development of a Recurrent Neural Network for Formation Temperature Estimation During Drilling	15:20 - 15:40		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
			Amane Terai	The Overview of 5-years Study of the EGS Technology Development Using ScCO <sub>2</sub>	14:00 - 14:20		
			Angela Seligman	The Case for Higher Temperature: Development and Analysis of an Enhanced Geothermal Systems Project Database	14:20 - 14:40		
14:00 - 15:45	Telus Room 105 - 106	Advances in EGS - Part 1	Wasja Bloch	The Relative Moment Tensor Method to Characterize EGS Reservoirs Using Induced Seismicity - A Case Study from the Helsinki (Finland) EGS Experiment	14:40 - 15:00	Andrew Seto	Track 02 - Advancements in Technology and Innovations
			Yusuke Mukuhira	New EGS Field Applications in Japan and Microseismic Responses: Case Studies from Jogakura and Namarikawa	15:00 - 15:20		
			Steven Fipke	Novel Frac Sleeve Design for Water Conformance in Enhanced Geothermal Systems (EGS) Leads to Improved Thermal Efficiency	15:20 - 15:40		
			Jenny Weise	Life Cycle Assessment of the Construction Phase of a Water-Gravel Thermal Energy Storage System with Reused Infrastructure	14:00 - 14:20		
			Peter Bayer	Geothermal Trenches for Recycling of Waste Heat from Closed Seasonal Thermal Energy Storage Facilities	14:20 - 14:40		
14:00 - 15:45	Telus Room 103	Geologic Thermal Energy Storage: Infrastructure, Mines and Data Centres	Trevor Atkinson	Detailed Subsurface Analysis and Experimental Evaluation of GeoTES for Effective Long-Term Energy Storage	14:40 - 15:00	David Townsend	Track 05 - Heating & Cooling
			Aitor Cendoya	Unlocking the Geothermal Potential of Flooded Mines: A Sustainable Energy Solution for Heating, Cooling, and Electricity in Belgium	15:00 - 15:20		
			Eric Witter	A Techno-Economic Model of a Data Center with Cold Underground Thermal Energy Storage	15:20 - 15:40		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
14:00 - 15:45	Telus Room 101 - 102	Advanced geothermal and hybrid systems: powering industry, grids, and data centres	Connor Murray	Advanced Geothermal Systems for Australian Alumina Production	14:00 - 14:20	Zhongwei Huang	Track 06 - Geothermal for Sustainable Development
			Chao Yu	Hybrid Renewable Energy Systems: Integrating Geothermal, Solar, and Aquifer Thermal Energy Storage	14:20 - 14:40		
			Ingunn Gunnarsdottir	Powering Innovation: Geothermal Synergy at Hellisheiði in Iceland	14:40 - 15:00		
14:00 - 15:45	Telus Room 108 - 109	Reservoir Production, Reinjection and Operational Control	Gang Zhao	Sustainable Geothermal Reservoir System Flow Patterns for Optimal Heat Energy Production in Saskatchewan	14:00 - 14:20	TBC	Track 06 - Geothermal for Sustainable Development
			Waldy Afuar	Application of Integrated Decline Curve Analysis (DCA) Method Coupled with James Curve Approach in Sumatera Geothermal Fields	14:20 - 14:40		
			Agata Rostran	Field Validation of a Machine Learning Model For Real-Time Prediction of Geothermal Well Output using Differential Pressure Measurements	14:40 - 15:00		
			Caixia Sun	AI Control Methodology Applied in Geothermal District Heating System	15:00 - 15:20		
			Fengxin Kang	Renewability of Karst Geothermal Water and Production-Reinjection Balanced Resources Evaluation	15:20 - 15:40		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
14:00 - 15:45	Glen Room 208	Drilling wells and Field Development	Kirsten Marcia	Developing Saskatchewan's First Geothermal Facility: Challenges Encountered by DEEP Earth Energy	14:00 - 14:20	John Clegg	Track 08 - Challenges in Geothermal
			Arni Hrannar Haraldsson	Drilling Toward Success: ON Power's Multi-Well Journey	14:20 - 14:40		
			Winilfred Jr. Erispe	Successful Drilling of an Outfield Injection Well into a Shallow Steam Horizon, Maibarara Geothermal Field, Philippines	14:40 - 15:00		
			Fabian Sepulveda	Mercury's Well Delivery Process with case studies from New Zealand	15:00 - 15:20		
14:00 - 15:45	Glen Room 203 - 204	Advances in Characterization and Reservoir Performance of Hot Sedimentary Aquifers - Part 2	Abraham Khaemba	Analysis of Drill String Failures in Drilling Kenyan Geothermal Wells	15:20 - 15:40	Alexandros Danillidis	Track 09 - Exploration and Characterization
			Leandra Weydt	Geothermal assessment of medium-deep reservoirs in the Upper Rhine Graben (Germany) – the ArtemIS project	14:00 - 14:20		
			Branislav Fricovsky	Geothermal Potential Catalog Update for the Banovska kotlina Basin, Slovakia: Estimating the Total Thermal, Sustainable and Developable Geothermal Potential Combining Probabilistic Resource Assessment Approach with Real Production Data	14:20 - 14:40		
			Makram Hedhli	Geothermal Opportunities in the Williston Basin, Canada	14:40 - 15:00		
			David McNamara	Determining Geothermal Resources in Rifted Basins: Preliminary Analysis of the Bornu Basin, Nigeria	15:00 - 15:20		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
14:00 - 15:45	Glen Room 201 - 202	Exploration for Geothermal Development in Volcanic Settings – Part 4: Conceptual Models and Volcanic Process Imaging	Theo Renaud	Coupled Integrated Multiphysics approach to quantify Volcanics and Geothermal processes	14:00 - 14:20	Yulini Arediningsih	Track 09 - Exploration and Characterization
			Patrick Aime Kankeu	Spatiotemporal Dynamics of Geothermal Parameters along the Cameroon Volcanic Line: Characterization and Evolutionary Trends.	14:20 - 14:40		
			Jian-Cheng Lee	Reconstructing geothermal geological models by combining geophysical, geochemical and geological studies in Tatun volcanoes area, Northern Taiwan	14:40 - 15:00		
			Laurie Tchang-tchong	Mayotte, Comoros Islands: A new conceptual model of the geothermal system based on the feedback of the 2018-2020 seismic and submarine volcanic crisis.	15:00 - 15:20		
			Theo Renaud	Numerical Quantification of the Geothermal Energy potential of Mount Meager volcanic complex, Garibaldi volcanic region, British Columbia, Canada	15:20 - 15:40		
14:00 - 15:45	Glen Room 206	The Geothermal Structure of the Earth: Advancing Data, Measurements, and Complex Modeling – Part 3: Geophysical Imaging and Inversion	Cedar Hanneson	Geothermal Exploration in Western Canada Using Magnetotelluric Data	14:00 - 14:20	Josh Sellars	Track 09 - Exploration and Characterization
			Kristján Óttar Klausen	Coastal Effects in Magnetotelluric Geothermal Prospecting: Revisiting Deep Conductors in Iceland	14:20 - 14:40		
			Suryantini Suryantini	Delineation of Groundwater Recharge Areas in High-Terrain Young Andesitic Volcano Geothermal Systems	14:40 - 15:00		
			Michael Kendall	Using Dense Arrays of Seismic Nodes to Image the Geothermal System on the Island of Montserrat	15:00 - 15:20		
			Kazuki Sawayama	Permeability-resistivity relationship across the scale: from lab to the field	15:20 - 15:40		

# PRESENTATION SCHEDULE

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
			Emily Smejkal	Groundwork: Regulatory Guidelines for Making Canada a Geothermal Powerhouse	14:00 - 14:20		
			Aysegul Turan	A Comparative Analysis of Policies, Technologies, and Future Opportunities in Türkiye and Texas for Geothermal Energy Development	14:20 - 14:40		
14:00 - 15:45	Telus Room 107	From Rights to Permits	David Helmer	Alberta's Geothermal Regulatory Framework	14:40 - 15:00	Kennie Tsui	Track 11 - Policy, Regulatory, Frameworks, and Standards
			Ting-Jui Song	Governance Challenges and Policy Evolution in Taiwan's Geothermal Energy Development	15:00 - 15:20		
			Saeed Salehi	Unlocking Geothermal Potential: Permitting Pathways for Repurposing Abandoned Oil and Gas Infrastructure	15:20 - 15:40		
15:45 - 16:15	Exhibit Hall CD & E	Coffee Break					
			Mohd Hariri Arifin	Country Update - Malaysia	16:15 - 16:35		
16:15 - 18:00	Telus Room 104	Country Updates - Part 6	Nour Eddine Berkat	Country Update - Morocco	16:35 - 16:55	TBC	Track 01 - Markets
			Tufwane Mwangomba	Country Update - Malawi	16:55 - 17:15		
			Purevsuren Dorj	Country Update - Mongolia	17:15 - 17:35		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
			Scott Hess	OPTIMIZING EGS WELL DEVELOPMENT STRATEGIES FOR RESERVOIR TEMPERATURE DECLINE SENSITIVITIES	16:15 - 16:35		
			Luke Frash	Design-Aware Prospecting for Enhanced Geothermal Systems in Southwestern USA	16:35 - 16:55		
16:15 - 18:00	Telus Room 105 - 106	Advances in EGS - Part 2	Fan Zeng	Interplay Between Thermoelastic Process and Mineral Reaction: Implications for Flow Channeling within a Fracture with Heterogeneous Apertures in EGS	16:55 - 17:15	Li Jiawei	Track 02 - Advancements in Technology and Innovations
			Zixiao Xie	Experimental Study on Cyclic Hydraulic Fracturing of Naturally Fractured Granite Cores	17:15 - 17:35		
			Joseph Bonafin	The Integration of Organic Rankine Cycle (Orc) Technology with Innovative Egs System for Large Scale Power Production – An Update on the Cape Station Project	17:35 - 17:55		
			Saeed Vadiee	A Physics-Informed Neural Network Framework for Single-Phase Thermo-Hydraulic Modeling in Porous Media	16:15 - 16:35		
16:15 - 18:00	Glen Room 209	AI, Surrogate Modelling and Physics-Informed Reservoir Simulation	Kazuya Ishitsuka	Application of a physics-informed neural network for inverse modeling of natural-state geothermal reservoir	16:35 - 16:55	Thomas Simader	Track 02 - Advancements in Technology and Innovations
			Jialin Zhao	Surrogate Modeling for Geothermal Thermal-Hydraulic Coupled Field Based on Physics-informed Neural Networks	16:55 - 17:15		
			Kian Khaksar	Physics-Informed Neural Network Modeling of Heat Transfer and Phase Change in Permafrost for Sustainable Shallow Geothermal Energy Systems	17:15 - 17:35		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
16:15 - 18:00	Telus Room 103	Direct Use Geothermal and District Heating Applications	Steve Bolton	Regina: The design of one of Canada's first deep direct-use geothermal doublet	16:15 - 16:35	Fiona Chapman	Track 05 - Heating & Cooling
			Tamas Lengyel	The Multifaceted Challenges of Refitting Legacy Geothermal District Heating Systems in Hungary	16:35 - 16:55		
			Auður Agla Óladóttir	50 Years of Utilization in the Low-Temperature Geothermal Reykir Areas, SW-Iceland	16:55 - 17:15		
			Samantha Alcaraz	Low Carbon Geothermal Heat Energy – Geoheat in New Zealand. Advancing Decarbonisation of Industrial, Commercial and Horticultural Process Heat	17:15 - 17:35		
			Lingkan Finna Chrisit	Feasibility of Geothermal Use in Lusatia, Brandenburg, Germany	17:35 - 17:55		
16:15 - 18:00	Telus Room 101 - 102	From assessment to analysis: tools and frameworks for sustainable geothermal	Katrin Ragnarsdottir	Progressing with GSAP to Advance and Support Sustainable Geothermal Development	16:15 - 16:35	Rebecca Bolton	Track 06 - Geothermal for Sustainable Development
			Hye Chowdhury	GETEM-Based Decision Support System to Analyse the LCOE of Geothermal Plants Utilising Very Hot or Superhot Georesources	16:35 - 16:55		
			Hannah Uhrmann	Environmental Performance and Key Drivers of Geothermal District Heating: A Comparative Life Cycle Assessment of Three Plants in the Southern German Molasse Basin	16:55 - 17:15		
			Andrea Crook	Innovations in Seismic Exploration for Sustainable Geothermal Development	17:15 - 17:35		
			Sondakh Gladis	Regionalized LCA of Geothermal Power: Dataset Gaps and Development Needs in Indonesia and New Zealand	17:35 - 17:55		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
16:15 - 18:00	Telus Room 108 - 109	Well Design, Materials and Thermal Performance Optimisation	Steinþór Nielsson	Circular by Design: Enhancing Geothermal Longevity and Resource Efficiency	16:15 - 16:35	Priscilla Gagliano	Track 06 - Geothermal for Sustainable Development
			Erika Salmenvaara	QHeat Coaxial Reversible Medium-Deep Geothermal Heat Well Technology	16:35 - 16:55		
			Trevor Atkinson	Precipitated calcium carbonate as a sustainable alternative to cement in geothermal well cementing	16:55 - 17:15		
			Mustafa Tutar	Artificial Intelligence-Coupled CFD Optimization of a Helical Borehole Heat Exchanger: Effects of Key Parameters and Thermal Design Constraints on Thermal Performance	17:15 - 17:35		
16:15 - 18:00	Telus Room 107	Assessing, Classifying, & Communicating Geothermal for Building-Scale & City-Scale Deployment	Xianzhi Song	Research Status and Trends of Smart Geothermal System	17:35 - 17:55	Stephanie Vetsch	Track 07 - Geothermal for Built Environment
			Rory Dunphy	Geothermal Development Archetypes: A Tool for High Grading Public Sector Investment in Geothermal	16:15 - 16:35		
			Volker Wittig	Potential Study for Future Heat Supply in NRW (G): Geothermal potential analyses for greenfield exploration areas	16:35 - 16:55		
			Inga Moeck	GeotIS – a Unique Comprehensive Geothermal Information System	16:55 - 17:15		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
16:15 - 18:00	Glen Room 208	Tackling Induced Hazards in Geothermal Part 1	Birhanmeskel Haddis Woldemichael	Micromechanics of Fluid-Induced Fault Reactivation From 4D X-Ray Microtomography	16:15 - 16:35	TBC	Track 08 - Challenges in Geothermal
			Rahi Abrar	Quantifying contrasting seismic signatures in conventional and enhanced geothermal systems using earthquake catalogs	16:35 - 16:55		
			Alexis Cartwright-Taylor	Constant micro-seismic event rate loading can minimise induced micro-seismicity in a deforming porous rock	16:55 - 17:15		
			Xiangzhao Kong	Evolution of slip behaviors and hydraulic properties during hydraulic shearing	17:15 - 17:35		
			James (Mike) Eros	Induced Seismicity Monitoring for Pressurized Geothermal Operations in Texas	17:35 - 17:55		
16:15 - 18:00	Glen Room 203 - 204	Advances in Characterization and Reservoir Performance of Hot Sedimentary Aquifers - Part 3	Kezhen Hu	Mapping Radiogenic Heat Production in the Horn River Basin, Northeast British Columbia, Canada, Using Geophysical Well Log Data	16:15 - 16:35	Kevin McCarthy	Track 09 - Exploration and Characterization
			Stephen Grasby	Re-evaluating Geothermal Potential in Resolute Bay, Nunavut: Implications for Energy Resilience in Canada's High Arctic	16:35 - 16:55		
			Ernesto Meneses Rioseco	A Geosystem-Integrated Strategy for Optimizing Deep Geothermal Development in the Middle Upper Rhine Region: The DEKAPALATIN-BERTHA Project	16:55 - 17:15		

## TECHNICAL PROGRAM – TUESDAY, JUNE 9

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
16:15 - 18:00	Glen Room 201 - 202	Exploration for Geothermal Development in Volcanic Settings – Part 5: Surface and Submarine Manifestations, Alteration and Drilling Targets	Alyssa Saumi Juta	The Chemistry of Thermal Manifestations at the Recent Exploitation Stage of Wayang Windu Geothermal Field	16:15 - 16:35	TBC	Track 09 - Exploration and Characterization
			Scott William Herman	Multicomponent Thermodynamic Geothermometry and Geochemical Modeling of Submarine Hot Springs in Northern Dominica	16:35 - 16:55		
			Timothy Koilege	Stratigraphy, Alteration Mineralogy, Permeability and Temperature Conditions of Well OW-710C, Olkaria North-East Field, Kenya.	16:55 - 17:15		
16:15 - 18:00	Glen Room 206	The Geothermal Structure of the Earth: Advancing Data, Measurements, and Complex Modeling – Part 4: Regional Thermal Regimes and Deep Structure	Boning Tang	Analyzing the Components of Thermal Source in the Songliao Basin	16:15 - 16:35	TBC	Track 09 - Exploration and Characterization
			Erdenesaikhan Ganbat	Geothermal Investigation Around the Capital City Ulaanbaatar, Mongolia	16:35 - 16:55		
			PGeol. Fredolin Javino	Subsurface Thermal Regimes of Granite-Hosted Hot Springs in Peninsular Malaysia : Implications for Geothermal Resource Development	16:55 - 17:15		

# Turn underground heat into reliable, always-on energy

Baker Hughes Geothermal Solutions  
help you move from concept to delivery faster,  
with greater confidence and scalability.



[bakerhughes.com](https://www.bakerhughes.com)

Copyright 2026 Baker Hughes Company. All rights reserved. 86292

**Baker Hughes** 

Rewriting The Energy Equation™



## WEDNESDAY, JUNE 10

Time	Session Name	Host	Location	Session Type
08:30 - 10:15	<b>Plenary #3 - The Subsurface Solution for the Subsurface Revolution</b>	ORMAT	Macleod Ballroom ABCD	Plenary
<p>As the global energy system undergoes rapid transformation, the subsurface is emerging as a critical frontier for delivering reliable, scalable, and resilient clean energy solutions. This plenary session explores how innovation, experience, and collaboration across the geothermal sector are helping unlock the full value of the subsurface, examining the role geothermal can play in delivering firm clean energy and strengthening energy security.</p>				
08:30 - 10:15	<b>Panel #9 - Direct Use: Turning Geothermal Heat into Energy Security and Opportunity</b>	Green by Iceland	Macleod Room E4	Panel
<p>Heating and cooling remain one of the world's biggest energy challenges. This session explores how direct use of geothermal energy can deliver reliable, affordable, and low-carbon heat for homes, cities, industry, and agriculture while strengthening energy security and resilience. The session will showcase lessons from Iceland's successful geothermal transition alongside global case studies and practical pathways for scaling deployment worldwide.</p> <p>Moderator: Alex Richter, Think Geoenergy</p> <p>Panelists: H.E. Auðbjörg Halldórsdóttir, Ambassador of Iceland to Canada; Gestur Pétursson; Aron Óttarsson; Dr. Freyr Harðarson; Árni Hrannar, Chairman of the Board and CEO, ON Power; Kirsten Marcia</p>				
08:30 - 10:30	<b>Roundtable #6: Pitfalls for Geothermal Project Development – How to Pass the DD Threshold of Financiers</b>	Rödl / GRMF	Macleod Room E1	Roundtable
<p>Securing financing for geothermal projects requires more than strong technical potential alone. This roundtable explores common project development pitfalls and the due diligence processes used to assess a project's finance-ready status. Through practical insights from experienced experts, participants will examine how geothermal projects can better position themselves to attract investment, reduce uncertainty, and successfully pass key financing thresholds. Financiers are invited to make short pitches on their activities and offers for financing of geothermal projects. In case you are interested, please contact <a href="mailto:johannes.stollenwerk@roedl.com">johannes.stollenwerk@roedl.com</a></p> <p>Host: Kai Imolauer, Consultant - Renewable Energy Investment &amp; Sustainability, Rödl</p> <p>Facilitators: Maria Ueltzen, Associate Partner, Rödl; Johannes Stollenwerk, Senior Associate, Rödl</p>				

# PRESENTATION SCHEDULE



**WGC 2026**  
FORGING GEOTHERMAL INNOVATION  
JUNE 8 - 11, 2026 | CALGARY, CANADA

## WEDNESDAY, JUNE 10

Time	Session Name	Host	Location	Session Type
10:15 - 10:45	Coffee Break		Exhibit Hall CD & E	
10:45 - 12:30	<b>Plenary #4 - Subsurface Sovereignty: The Global Shift Toward Geothermal Energy</b>	<b>IGA and the Cascade Institute</b>	<b>Macleod Ballroom ABCD</b>	<b>Plenary</b>
<p>As countries seek greater energy security, industrial resilience, and long-term competitiveness, governments are increasingly rediscovering the strategic value of the subsurface. This high-level strategic panel brings together government leaders, regulators, legal experts, and industry pioneers to explore the global shift toward geothermal energy, focusing on energy sovereignty, regulatory innovation, public-private collaboration, and investment frameworks.</p>				
10:45 - 12:30	<b>Panel #10 - EGS End to End: Engineering the Subsurface, Powering the Surface – The Complete EGS Value Chain</b>	<b>Turboden</b>	<b>Macleod Room E3</b>	<b>Panel</b>
<p>This WGC 2026 panel brings together leaders representing critical links across the EGS value chain: subsurface engineering and stimulation, integrated power system design, surface plant technology, and commercial market development. Rather than treating EGS as a series of disconnected technical challenges, this session focuses on EGS as a complete, end-to-end system, where subsurface decisions directly shape surface performance, cost structures, bankability, and long-term asset value.</p> <p>Moderator: Luca Xodo, Turboden</p> <p>Panelists: Jack Norbeck, Fervo; Dawn Owens, Fervo; Joseph Bonafin, Turboden</p>				



## WEDNESDAY, JUNE 10

Time	Session Name	Host	Location	Session Type
10:45 - 12:45	<b>Roundtable #7 - Techniques and Decisions that Enabled Geothermal Project Success</b>	Route2Reserves	Macleod Room E1	Roundtable
<p>This 2.5 hour workshop will provide a forum for Geothermal company name and other invited geothermal companies to exchange advice, ideas, and practical experience on success factors and best practice workflows from successful geothermal projects. The workshop will bring together successful geothermal projects and will focus on non-confidential information, logic, procedures, and experience that helped unlock project challenges or gave decision-makers confidence to proceed through key decision gates. The discussion will be restricted to the participating companies and the session organisers. The session will run following Chatham House rules (<a href="https://www.chathamhouse.org/about-us/chatham-house-rule">https://www.chathamhouse.org/about-us/chatham-house-rule</a>).</p> <p>Host: Graham Banks, Director / Principle Geologist, Route to Reserves</p> <p>Facilitators: Emily Smejkal, Policy Lead, Cascade Institute Owen Henshaw, Engineer, Cenovus Energy Randal Wichuk, CEO, Teverra</p>				
12:30 - 14:00	<b>Lunch Break and Poster Session</b>		Exhibit Hall CD & E	
12:30 - 14:00	<b>Lunch and Learn #4 - High Enthalpy Geothermal Researchers, hosted by Clean Air Task Force</b>	Clean Air Task Force	Macleod Room E2	Lunch and Learn
<p>High enthalpy geothermal systems hold significant potential to expand the future of clean firm energy. This Lunch &amp; Learn session brings together the high enthalpy geothermal research community to discuss emerging developments, technical challenges, international collaboration opportunities, and future research priorities. Participants will explore how innovation and shared knowledge can help accelerate the advancement of high enthalpy and superhot geothermal systems worldwide.</p>				



## WEDNESDAY, JUNE 10

Time	Session Name	Host	Location	Session Type
13:45 - 15:45	<b>Roundtable #8 - Spring Forward: Cross-Border Lessons in Surface Thermal Feature Stewardship and Geothermal Growth</b>	PNNL	Macleod Room E1	Roundtable
<p>Surface thermal features, most notably hot springs and geysers, hold significant cultural, ecological, scientific, agricultural, and recreational value. Managing these features during geothermal development presents a shared global challenge. While many regions are grappling with similar questions, jurisdictions vary widely in their regulatory approaches, monitoring practices, and stakeholder engagement models.</p> <p>Host: Rebecca Kreuzer, SPRINGS Lead, Pacific Northwest National Labs</p> <p>Facilitators: Helen Robinson, International Geothermal Association / Aquarius Resources; Tim Steeves, U.S. Department of Energy</p>				
14:00 - 15:45	<b>Panel #11 - The Future of Geothermal Resource Assessment and Management</b>	Seequent	Macleod Room E4	Panel
<p>This session brings together leading experts to examine the current state of geothermal resource assessment and how best practice is evolving. The discussion will explore the disciplines, skills, and tools that will be critical to the future of the industry, alongside challenges such as workforce constraints, education, and developing the next generation of geoscientists and engineers. Short presentations will complement the panel discussion, offering practical insights and perspectives from across the sector.</p> <p>Panelists: Clare Baxter, Regional Director – Energy, APAC, Seequent; Kathleen Gould, Senior Account Executive – Energy, NAM, Seequent; Nick Hinz, Principal Geoscientist/Chief Technical Officer, Geologica; Bill Cumming, Geothermal Resource Consultant; John Muprhy, Director, Reservoir Engineering and Modeling, Ormat Technologies; John O’Sullivan, Co-Director, Geothermal Institute at The University of Auckland</p>				

# PRESENTATION SCHEDULE



**WGC 2026**  
FORGING GEOTHERMAL INNOVATION  
JUNE 8 - 11, 2026 | CALGARY, CANADA

## WEDNESDAY, JUNE 10

Time	Session Name	Host	Location	Session Type
14:30 - 16:30	<b>Roundtable #9 - Geothermal Pathways from Vision to Bankability</b>	GGA, World Bank, IRENA, ESMAP	Macleod Room E2	Roundtable
<p>Geothermal energy is increasingly recognised as a strategic solution for energy security, grid resilience, and long-term economic development. This roundtable brings together governments, utilities, developers, financiers, and international partners to explore practical pathways for accelerating geothermal project preparation, de-risking, and bankable execution. Discussions will focus on project readiness, permitting, drilling risk, investment conditions, and regulatory frameworks.</p>				
15:45 - 16:15	<b>Coffee Break</b>		Exhibit Hall CD & E	
16:00 - 18:00	<b>Roundtable #10 - Geothermal Representation &amp; Value in Power Modeling</b>	NREL	Macleod Room E1	Roundtable
<p>As energy systems evolve toward greater electrification, flexibility, and decarbonisation, power system modelling is playing an increasingly important role in shaping investment decisions and long-term energy planning.</p> <p>Host: Whitney Trainor-Guitton</p>				
16:15 - 18:00	<b>Panel #12 - From Stress to Success: Advancing Geomechanics for Conventional and Next Generation Geothermal</b>	Cubic Earth / Teverra	Macleod Room E4	Panel
<p>This panel will survey the current state of geomechanical methods and applications, before exploring what advancements could take place that further increase the success of geothermal exploration and development. This panel represents a global perspective, including next-gen technologies and conventional geothermal. It has both established and emerging practitioners from frontier research and industry. We encourage audience participation; email <a href="mailto:irene@cubicearth.nz">irene@cubicearth.nz</a> to submit your panel questions.</p> <p>Moderator: Dr. Irene Wallis</p> <p>Panelists: Prof. John McLennan; Dr. Hamed Soroush; Anna Rogers; Muhammad Ikhwan; Dr. Bruce Gee</p>				
19:00 - 22:30	<b>Calgary Western Night</b>		Nutrien Event Center	Social Event
<p>The Official WGC2026 Social Highlight Event – an unforgettable evening of Western hospitality, music, food, and community in the heart of Calgary.</p>				

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
08:30 - 10:15	Telus Room 105 - 106	Advances in geothermal field operation and management - Part 1	Ralf Schulze-Riegert	Geothermal Performance Forecasting for Optimized Well Placement: Insights and Lessons from Three Case Studies in Indonesia	08:30 - 08:50	TBC	Track 02 - Advancements in Technology and Innovations
			Eito Miyakoshi	Exploring the Relationship Between Measured Tracer Adsorption Uncertainty and Resulting Thermal Breakthrough Predictions	08:50 - 09:10		
			Arkaitz Manterola Donoso	Geothermal Well Interconnection Analysis using Stock Reservoir Modeling	09:10 - 09:30		
			Oana Delia Stanasel	Aquifer Chemistry and Mineral Adsorbent Optimization in Selected Low-Temperature Romanian Geothermal Areas'	09:30 - 09:50		
08:30 - 10:15	Telus Room 103	Next-Generation Geothermal Technologies and Subsurface Innovation	John Clegg	Next Generation Geothermal Technology Reaches Higher Temperatures	08:30 - 08:50	TBC	Track 03 - Synergies between Geothermal and Oil & Gas
			Chaofan Chen	Integrated modeling of geothermal heat pumps and closed-loop coaxial borehole heat exchangers	08:50 - 09:10		
			Bowen Yao	Experimental Evaluation on Liquid Nitrogen Cooling and Cryogenic Fracturing in High-Temperature Formations	09:10 - 09:30		
			Heber Didier Diez León	Decarbonization with Geothermal Energy: Building an Economic-Financial Model as a Strategy to Boost its Development and Impact on the Environment.	09:30 - 09:50		
			Romuald Coupán	Process Integration of Geothermal Energy with Solid Oxide Electrolysis for Low-Carbon Hydrogen Production	09:50 - 10:10		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
08:30 - 10:15	Telus Room 101 - 102	Aquifer Thermal Energy Storage: Modelling, Risk and Feasibility	Luka Tas	"Efficient Modelling and Risk Assessment for Aquifer Thermal Energy Storage in Fractured Rocks: How uncertainty quantification can convince decision makers"	08:30 - 08:50	Jeffrey D. Pepin	Track 05 - Heating & Cooling
			Sodiq Oguntade	Numerical Simulation of ATEs Systems Performance in the Permo-Triassic Sherwood Sandstone Group	08:50 - 09:10		
			Martin Bloemendal	ATES Triplet Robustness for Varying Building Supply Temperatures	09:10 - 09:30		
			Gioia Falcone	Investigating Aquifer Thermal Energy Storage for Demand-Side Flexibility in Great Britain	09:30 - 09:50		
			Byoung Ohan Shim	Feasibility of Using Groundwater Thermal Energy from a Limestone Aquifer for Medical Center Heating and Cooling	09:50 - 10:10		
08:30 - 10:15	Glen Room 209	Power Plant Operations & Maintenance	Graeme Beardsmore	Ageless Steam, New Life: How Strategic Upgrades Revitalized Kamojang Unit 4 Geothermal Power Plant	08:30 - 08:50	Rosalba Carandente	Track 08 - Challenges in Geothermal
			Rahmatul Anggi Andini	Integrated Mechanical and Chemical Treatment for Maintaining Cooling Tower Performance: A Case study from Muara Laboh Geothermal Field	08:50 - 09:10		
			Jamal Swabu	Online Fill Pack Replacement in Cooling Towers: Enhancing Efficiency and Output in Geothermal Power Stations	09:10 - 09:30		
			Hedrick Reyes	Tiwi Geothermal Field: Shifting Paradigms on Resource Management and Steam Field Operations	09:30 - 09:50		
			George Ngomi	Applying Waterfall-Agile Hybrid Methodology for Optimized Maintenance Activities in Geothermal Power Plants	09:50 - 10:10		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
08:30 - 10:15	Glen Room 201 - 202	Advances in Characterization and Reservoir Performance of Hot Sedimentary Aquifers – Part 4: Basin Models, Doublets and Regional Performance	Belay Gulte Mino	Unlocking Geothermal Potential in the Onshore Gippsland Basin Using a 3D Geological and Thermal Modelling Approach	08:30 - 08:50	Will Pettit	Track 09 - Exploration and Characterization
			Kiley Baird	Integrated 3D Workflow and Application for Geothermal Resource Characterization in the San Juan Basin	08:50 - 09:10		
			Daniel Alonso Torres	Resource Characterization and Conceptual Modeling of the Rico Geothermal System to Support Thermal Energy Network Development	09:10 - 09:30		
			Claire Bossennec	Estimation of Carboniferous Bedrock Depth Using Borehole-Calibrated H/V Spectral Ratios for Geothermal Assessment in Lille Metropolitan Area, France	09:30 - 09:50		
08:30 - 10:15	Glen Room 206	Geochemistry, Isotopes and Fluid Evolution – Part 1: Fluid Pathways, Connectivity and Use Potential	Fred Heikkinen	Geochemical and Isotopic Assessment of the Extensional M'deek Geothermal System, British Columbia, Canada	08:30 - 08:50	TBC	Track 09 - Exploration and Characterization
			Julia Reimer	Using Distinct Chemical Ratios of Boreholes' Geothermal Brine to Determine Connectivity Between Faults and Fractures in Peistareykir Geothermal Field in Northeast Iceland	08:50 - 09:10		
			Lucy Carson	Innovative Geochemical Approaches to Mapping Fluid Pathways in Geothermal Reservoirs	09:10 - 09:30		
			Finnbogi Óskarsson	Geochemical evaluation of hot springs in southern Colombia and their possible utilization for district heating	09:30 - 09:50		
			Alexandra Kristín Hafsteinsdóttir	Groundwater flow paths of Reykjanes Peninsula, Iceland - The mapping of flow paths using elemental tracers and development of new mobile electric pump	09:50 - 10:20		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
08:30 - 10:15	Glen Room 203 - 204	The Geothermal Structure of the Earth: Advancing Data, Measurements, and Complex Modeling – Part 5: AI, Machine Learning and Coupled Reservoir Models	Fabien Allo	Neural network-based geothermal reservoir characterization using spectrally decomposed multiphysics data	08:30 - 08:50	Jackson Grimes	Track 09 - Exploration and Characterization
			Stanley Mordensky	Identifying Regions Of Hydrothermal Upflow In The Great Basin Using Supervised Machine Learning	08:50 - 09:10		
			Alessandro Lenzi	Amiata geothermal field (Italy): Modelling CO <sub>2</sub> degassing during plant operation	09:10 - 09:30		
08:30 - 10:15	Glen Room 208	Case Studies: Techno-economic Evaluation	Daniel Alonso Torres	A New Economic Geothermal Promise for Canada	08:30 - 08:50	Musarrat Safi	Track 10 - Economics of Geothermal
			Pall Valdimarsson	Exergoeconomic analysis of the Hellisheiði geothermal power plant	08:50 - 09:10		
			HAIYAN LEI	Economic Assessment of Deep Single-Well Geothermal Systems and Conventional Alternatives for Building Heating in North China	09:10 - 09:30		
			Jeffrey Andal	Determining the Tariff Threshold for Financial Viability and Bankability of a Greenfield Geothermal Project in the Philippines	09:30 - 09:50		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
08:30 - 10:15	Telus Room 107	Unlocking Geothermal Knowledge for Wider Adoption	Cecilia Rodríguez-Gómez	Social Exploration in Geothermal Energy: How to Do It?	08:30 - 08:50	Paola Carvajal	Track 12 - Communication & Public Perception
			Paul Siratovich	Explainer: What Does Net Zero Geothermal Emissions Actually Mean?	08:50 - 09:10		
			Anya Seward	Developing a User-Focused Tool to Highlight Geothermal Heating Opportunities for New Zealand Greenhouses	09:10 - 09:30		
			Fusun Tut Haklidir	Innovation in Geothermal Energy Education	09:30 - 09:50		
10:15 - 10:45	Exhibit Hall CD & E	Coffee Break					
10:45 - 12:30	Telus Room 105 - 106	Advances in geothermal field operation and management - Part 2	Francisco Jr Delfin	"Adaptations and Innovations in the First Decade of Maibarara Geothermal Operations, Philippines"	10:45 - 11:05	TBC	Track 02 - Advancements in Technology and Innovations
			John Akerley	Beowawe Repower – adding additional generation through know-how and technology	11:05 - 11:25		
			Eylem Kaya	No Gas Left Behind: Reactive Transport Modelling of CO <sub>2</sub> reinjection in Mt Apo Geothermal Field, Philippines	11:25 - 11:45		
			Gad Shoshan	Enhancing the Efficiency of Geothermal Field Utilization with Modular ORC Technology	11:45 - 12:05		
			Farrell Siega	Geothermal Greenhouse Gas Emissions Reduction at Mercury Energy: Progress to Date and Challenges Ahead	12:05 - 12:25		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
10:45 - 12:30	Glen Room 209	Reservoir Testing, Thermal Response and Flow Diagnostics	David Rousseau	New gel systems to remediate hydraulic short-circuits in heterogenous or fractured heat reservoirs	10:45 - 11:05	Iain Duncan	Track 02 - Advancements in Technology and Innovations
			Sarah Newton	Solar-Powered Heating Cable Thermal Response Tests in Existing Wells: A Low-Carbon Solution for Remote Sites	11:05 - 11:25		
			Meissam Bahlali	Modelling Thermal Response and Tracer Tests in a Complex Fractured Aquifer System	11:25 - 11:45		
			Giordano Montegrossi	Analyzing convective cells behavior in geothermal reservoirs: insights and implications for resource development	11:45 - 12:05		
			Dimas Maulana	Flow modeling of a competing geothermal well with multiple feed zones and multiphase flow.	12:05 - 12:25		
10:45 - 12:30	Telus Room 101 - 102	High-Temperature ATES and Groundwater Impact Assessment	David Muhr	Seasonal High-Temperature Aquifer Thermal Energy Storage in Austria: Preliminary Results of the ATESref Project	10:45 - 11:05	TBC	Track 05 - Heating & Cooling
			Stijn Beernink	Assessing the Thermal Impact of ATES Systems on Groundwater Resources for Varying Hydrogeological Conditions	11:05 - 11:25		
			Alexis Koulidis	Drilling Challenges and Solutions for HT-ATES Systems in Deep Aquifers	11:25 - 11:45		
			Zhonghe Pang	Sustainable geothermal development integrated with geological heat storage: a pilot test in North China	11:25 - 11:45		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
10:45 - 12:30	Telus Room 108 - 109	Geothermal gases: emissions, reinjection and environmental impact	Kenneth McIntush	How the Type of Geothermal Power Plant Affects Disposition of Non-Condensable Gases	10:45 - 11:05	Yeftamikha Siahaan	Track 06 - Geothermal for Sustainable Development
			Fussun Tut Haklidir	Investigating the Effects of CO <sub>2</sub> Gas in the Development of Reinjection Strategies in Geothermal Fields with Case Studies	11:05 - 11:25		
			Alessandro Lenzi	Carbon dioxide soil emission monitoring is a tool for the assessment of environmental impact of geothermal plants	11:25 - 11:45		
			Jonas Ketilsson	Global Collaboration Towards Standardization within IEA Geothermal Gas Management Task: Policies, Practices and Innovations	11:45 - 12:05		
10:45 - 12:30	Telus Room 107	Engineering Components & Sector-Coupling Applications for High-Demand Facilities	Jeremy Carkner	Geothermal Integration at Dublin Airport: A Flagship Project for Decarbonising Complex Infrastructure	10:45 - 11:05	TBC	Track 07 - Geothermal for Built Environment
			Javier Gutierrez-Martinez	Analysis of entropy generation and productivity index using airlift system with different gas injectors to extract heat from geothermal brine	11:05 - 11:25		
			Nicholas Fry	Geothermal Exchange Innovations for Data Center Efficiency, Resiliency, Profitability, Sustainability, and Grid-Responsiveness	11:25 - 11:45		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
10:45 - 12:30	Glen Room 208	Tackling Induced Hazards in Geothermal - Part 2	Bor-shouh Huang	Rapid Source Parameters Estimation of Earthquakes in Geothermal Field by the Back-Projection Method	10:45 - 11:05	TBC	Track 08 - Challenges in Geothermal
			Chrystel Dezayes	Response of an active fault to hydraulic stress in the context of future geothermal development	11:05 - 11:25		
			Loes Buijze	Geothermal Production via Balanced Circulation in Sandstone Aquifers – Where do the Cold Fluids go?	11:25 - 11:45		
10:45 - 12:30	Glen Room 206	Geochemistry, Isotopes and Fluid Evolution – Part 2: Thermal Waters and Heat Sources	Wisdom Kambale Kavyavu	Sources of helium and associated heat of in hydrothermal fluids from the central western branch of the East African Rift System (Democratic Republic of Congo and Burundi)	10:45 - 11:05	Helen Robinson	Track 09 - Exploration and Characterization
			Zhanxue Sun	Hydrogeochemistry and subsurface temperature estimation of thermal springs in Western Jiangxi Province, SE-China	11:05 - 11:25		
			Finnbogi Óskarsson	Geochemistry of Hot Springs in Bhutan	11:25 - 11:45		
			Kenneth Alexander	Geochemical Assessment of the Picard River Geothermal Prospect in Northern Dominica	11:45 - 12:05		
			Syed Hilal Farooq	Evaluating the Fluid Chemistry and Isotope Signature of Thermal Waters from Ladakh, India	12:05 - 12:25		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
10:45 - 12:30	Glen Room 201 - 202	Geothermal Play Fairway Analysis (GPFA) – Part 4: Field Evidence, Geological Controls and Non-Conventional Plays	Micaela Villarroel	Calabozos Hydrothermal System: An Approach from Petrology and Geochemistry of Hydrothermal Alteration.	10:45 - 11:05	Graham Banks	Track 09 - Exploration and Characterization
			Orlando Miguel Espinoza Ojeda	Non-Conventional Geothermal Resources in Mexico: Northern Mexico as a Case Study	11:05 - 11:25		
			Gordon Macmahon	Early Stage Geothermal Exploration and Characterization Near Kootenay Lake, British Columbia	11:25 - 11:45		
			Chris Rochelle	Geothermal fluids of the Carnmenellis Granite, Cornwall, UK	11:45 - 12:05		
			Carole Glaas	From rock to geothermal brine: Insights from strontium isotopes in granite and sedimentary rocks of Soultz-sous-Forêts	12:05 - 12:25		
10:45 - 12:30	Glen Room 203 - 204	Unlocking Geomechanics for Safe, Efficient Geothermal - Part 1	Phil Vardon	Under stress: measurements of in-situ stress in geothermal projects in the Netherlands	10:45 - 11:05	Hamed Soroush	Track 09 - Exploration and Characterization
			Irene Wallis	Stress, Slip, and Productivity: Integrated Geomechanical Modeling of the Peistareykir Geothermal Reservoir – Part 1 Wellbore Scale	11:05 - 11:25		
			Drew Siler	Stress, Slip, and Productivity: Integrated Geomechanical Modeling of the Peistareykir Geothermal Reservoir – Part 2 Reservoir-Scale	11:25 - 11:45		
			Angel Sanchez	Review of Rock Testing in Brittle-Ductile Transition Conditions and Implications on Wellbore Stability in Ultra-Deep Drilling	11:45 - 12:05		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
			Andres Gonzalez Quiros	Evaluating Regulatory Frameworks for High-Temperature Energy Storage in Europe within the Project PUSH-IT	10:45 - 11:05		
			Amos Kamau	Strengthening Policy, Regulatory Frameworks, and Standards for Sustainable Geothermal Energy Development	11:05 - 11:25		
10:45 - 12:30	Telus Room 103	The Expanding Subsurface: Innovation, Storage, & Emerging Geothermal Use	Marziyeh Kamali	Technical, regulatory, and pore space challenges for geothermal in an urban setting: Examples from the City of Regina Deep Geothermal Project	11:25 - 11:45	Joseph Ireland	Track 11 - Policy, Regulatory, Frameworks, and Standards
			Sandra Pester	Why digitalisation in the admission procedure of shallow geothermal systems is more than just avoiding paper waste	11:45 - 12:05		
			Christian Trost	Integration of CO <sub>2</sub> storage in deep geothermal energy: technical potential and industrial policy perspectives through climate protection contracts in Germany	12:05 - 12:25		
12:30 - 14:00	Exhibit Hall CD & E	Lunch Break and Poster Session					

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
14:00 - 15:45	Telus Room 105 - 106	Advances in CO <sub>2</sub> -geothermal	Kentaro Masuoka	A Study on the Possibility of Mineral Formation in CO <sub>2</sub> Geothermal Power Generation Using THC Simulation	14:00 - 14:20	Andrew Seto	Track 02 - Advancements in Technology and Innovations
			Hamid Nick	Synergistic CO <sub>2</sub> Co-Injection in Geothermal Systems: A Pathway to Localized Carbon Storage and Sustainable Energy	14:20 - 14:40		
			Lydia Bailey	Pathway to Utilizing Overlooked Pore Space: CO <sub>2</sub> Plume Geothermal in the Columbia River Basalt Group	14:40 - 15:00		
			Graeme Beardsmore	Assessing the impact of subsurface uncertainty on CO <sub>2</sub> -plume geothermal performance	15:00 - 15:20		
			Jonathan Alexander	Petrographic insights of an Ultramafic Analogue for CO <sub>2</sub> Storage and Hydrogen Production in Serpentinization-Driven Geothermal Systems	15:20 - 15:40		
14:00 - 15:45	Glen Room 209	High-Temperature and Subsurface Thermal Batteries	Ruixiao Liu	Ultra-High-Temperature Underground Thermal Energy Storage (UHT-UTES) for Large-scale, Inter-seasonal Electricity Storage	14:00 - 14:20	Phil Vardon	Track 02 - Advancements in Technology and Innovations
			Dominik Müller	Probabilistic Simulation of High-Temperature Underground Thermal Energy Storage in Caverns	14:20 - 14:40		
			Lev Ring	Modeling of Reservoir Stimulation for Energy Storage in Deep Hydraulic Fractures	14:40 - 15:00		
			Claire Bossennec	AGES Subsurface Thermal Batteries – Innovative Subsurface Thermal Energy Storage for Enhanced Network Stability and Profitability	15:00 - 15:20		
			Martin Bloemendal	State of the art of MT/HT-ATES in the Netherlands	15:20 - 15:40		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
14:00 - 15:45	Telus Room 107	Energy & Commodity Production from Geothermal Brines	Xiaolong Peng	Unlocking Dual Potential: Is Co-Production of Lithium and Geothermal Energy Feasible for Devonian Sedimentary Brine in Alberta?	14:00 - 14:20	TBC	Track 04 - Synergies between Geothermal and Mining
			Samuel Grainger	Preliminary Structural Analysis of a Fractured Granite Targeted for Geothermal and Lithium Brine Extraction	14:20 - 14:40		
			Nasim Saber	Sustainable Lithium-Ion Battery Anodes from Geothermal Silica: Advances, Challenges, and Prospects	14:40 - 15:00		
14:00 - 15:45	Telus Room 101 - 102	Closed-Loop and Borehole Thermal Storage Design	Miguel Hermanns	A Unified Theoretical Model for the Thermal Interaction of Geothermal Boreholes with Aquifers across all Peclet Numbers	14:00 - 14:20	Nicholas Fry	Track 05 - Heating & Cooling
			Ingo Sass	Integrating Medium-Deep Borehole Thermal Energy Storage into a University District Heating Network: Progress from the PUSH-IT Project at TU Darmstadt	14:20 - 14:40		
			Nurdan Yildirim	Thermal Performance Analysis of Coaxial Borehole Heat Exchangers Under Variable Design Parameters	14:40 - 15:00		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
14:00 - 15:45	Telus Room 108 - 109	Feeling the heat: environmental monitoring, food security and direct use geothermal applications	Megan Eyre	Harnessing Geothermal for Energy Sovereignty and Food Security in Northern Canada	14:00 - 14:20	TBC	Track 06 - Geothermal for Sustainable Development
			Rochelle Longval	Geothermal Energy for Sustainable Food Production and Preservation: Tackling the Global Crisis of Food Insecurity and Hunger	14:20 - 14:40		
			Clety Bore	Promoting Economic Potential of Geothermal Direct Uses as a Catalyst for Attracting Investment in Geothermal Exploitation in Africa	14:40 - 15:00		
14:00 - 15:45	Glen Room 208	Scale Mineralogy, Characterisation and Deposit Formation	Motoaki Morita	Scaling in Obama Onsen geothermal plant, Japan: microstructure analysis and its imitation in a laboratory environment	14:00 - 14:20	TBC	Track 08 - Challenges in Geothermal
			Haruki Itakura	Quantitative phase analysis of preferentially oriented smectite using the PONKCS / Rietveld approach	14:20 - 14:40		
			Hedrick Reyes	Chalcedony Scale Formation in Production Well in Tiwi Geothermal Field	14:40 - 15:00		
			Julia Reimer	Experimental geothermal condensate mixing into the Mývatn District Heating System, NE-Iceland to eliminate oxygen content and risk of iron sulfide scaling	15:00 - 15:20		
			Edwin Wafula Wanyonyi	New insights into siliceous scaling in geothermal systems: a case of Quartz, Opal-A, and aluminum silicate scaling in the Olkaria Geothermal System, Kenya.	15:20 - 15:40		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
14:00 - 15:45	Glen Room 201 - 202	Geothermal Play Fairway Analysis (GPFA) – Part 5: Decision Workflows, Development Pathways and Drilling Intelligence	Angga Bakti Pratama	Integrated play fairway analysis and Monte Carlo simulation for de-risking target of geothermal resource development with a case study of Cisolak-Cisukarame, Indonesia	14:00 - 14:20	Florent Rousset	Track 09 - Exploration and Characterization
			Simon Webbison	Defining Success through the Ormat Development Process	14:20 - 14:40		
			Egill Juliusson	"Increasing Information Content in Geothermal Production Data: Case Study from Qinghe, China"	14:40 - 15:00		
			Vivi Dewi Mardiana Nusantara	Application of Methylene Blue-dye Test and X-Ray Diffractometry to Guide Drilling Operation and Refine Subsurface Model in Hululais Geothermal System	15:00 - 15:20		
			Sonny Santana	Real-Time Evaluation of Potential Permeability Zone During Drilling Operations in a High-Enthalpy Geothermal Reservoir: A Case from Geothermal Fields in Sumatra Indonesia.	15:20 - 15:40		
14:00 - 15:45	Glen Room 206	Hydrothermal Alteration, Minerals and Permeability Indicators	Manaarii Salmon	Enhancing field SWIR spectroscopy analyses with laboratory calibration for quantifying clay mineral distribution in fractured geothermal reservoirs of the Buntsandstein Group (Upper Rhine Graben, France).	14:00 - 14:20	TBC	Track 09 - Exploration and Characterization
			Diego Morata	Li-rich clays in Andean systems: the influence of geothermal activity in their genesis	14:20 - 14:40		
			Alper Baba	Origin of Critical Raw Minerals (CRM) in a Metamorphosed Flysch Geothermal System: A Case Study from Seferihisar, Western Anatolia	14:40 - 15:00		
			Monicah Kibet	Using Infrared Spectroscopy in Analyzing Hydrothermal Alteration Zones in Geothermal Reservoir of Olkaria Wells	15:00 - 15:20		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
14:00 - 15:45	Glen Room 203 - 204	Unlocking Geomechanics for Safe, Efficient Geothermal - Part 2	Sarah Milicich	Unusual Drilling-Induced Stress Features – What to do With You?	14:00 - 14:20	Irene Wallis	Track 09 - Exploration and Characterization
			Anna Rogers	Geomechanical Insights from Ultrasonic Borehole Image Logs in Geretsried, Germany	14:20 - 14:40		
			Jose Rogelio Hernandez Borbon	Use of Schmidt Hammer for Strength Heterogeneity Characterization, and a Way to Overcome the Lack of Mechanical Data	14:40 - 15:00		
			Eva Schill	Hydraulic Fracturing of Crystalline Basement Rock: Insights from SP Monitoring	15:00 - 15:20		
			Arash Dahi Taleghani	Critical Fiber Length and Distribution Effects on Fracture Sealing in Geothermal Systems: A CFD–DEM Study	15:20 - 15:40		
14:00 - 15:45	Telus Room 103	Making Geothermal Investable: Markets, Finance, & Infrastructure	Kayla Dowty	A Planning Roadmap for High Megawatt Geothermal Scenarios in the Western United States	14:00 - 14:20	Sebastian Homuth	Track 11 - Policy, Regulatory, Frameworks, and Standards
			Graham Banks	A Standard, Reliable Framework to Classify, Categorize and Disclose Each Stage of a Geothermal Project and Thermal Energy Resource	14:20 - 14:40		
			Greg Ussher	Pragmatic Application of UNFC for Reporting the Maturity of Geothermal Resources	14:40 - 15:00		
			Adela Ramos Escudero	Modeling geothermal energy market maturity across the EU	15:00 - 15:20		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
15:45 - 16:15	Exhibit Hall CD & E	Coffee Break					
16:15 - 18:00	Glen Room 209	Advances in geothermal field operation and management - Part 3	Simon Webbison	Greenhouse Gas Emissions Reduction: Global Geothermal Power Plant Catalog update 2025	16:15 - 16:35	TBC	Track 02 - Advancements in Technology and Innovations
			Darren Jasmin	Tauhara Geothermal Field – New Zealand: Initial reservoir response to 224 MWe additional generation	16:35 - 16:55		
			Anette Kærsgaard Mortensen	Integrated Reservoir Management Strategies for Sustained Production at Krafla Geothermal Field, NE-Iceland	16:55 - 17:15		
			Bjarni Gautason	Power to the Operators: Further Development of a Robust Modelling Tool for the Management of Low- and Intermediate-temperature Geothermal Reservoirs	17:15 - 17:35		
16:15 - 18:00	Telus Room 105 - 106	Next generation research and development facilities	Peter Massie	GEOSTRA: Catalyzing Canada's Geothermal Future through Strategic Innovation and Test Centre Infrastructure	16:15 - 16:35	Phil Vardon	Track 02 - Advancements in Technology and Innovations
			Bruce Mountain	Expanding the Limits of Experimental Water-rock Interaction: The Supercritical Laboratory at GNS Science.	16:35 - 16:55		
			Ingo Sass	GeoLaB URL - Exploration wells drilled - Enabling unique high-flow experiments in fractured crystalline basement	16:55 - 17:15		
			Marco Fiorito	Geo-Energy Magnetic Resonance Imaging (GEM) Facility at ETH Zurich: MRI as a Probe for Geothermal Fluids in Porous and Fractured Media	17:15 - 17:35		
			Nursanty Elisabeth Banjarnahor	The design of the geothermal laboratory (GEOLAB) at Hellisheiði Geothermal Park	17:35 - 17:55		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
16:15 - 18:00	Telus Room 103	Geothermal Heat Pumps, Borehole Fields and Network Modelling	Christopher Schiffler	Advancements in heat pump technology for shallow and deep geothermal sources: three case studies from Germany	16:15 - 16:35	Cornelia Steiner	Track 05 - Heating & Cooling
			Nicholas Fry	Investigating Geothermal Energy Network System Dynamics	16:35 - 16:55		
			Ergin Kukrer	A Framework of Dynamic Surface-Subsurface Co-Simulation for HT-ATES Integration in Large-Scale Heating Networks	16:55 - 17:15		
			Peter Bayer	Bayesian Data Assimilation for High-Dimensional Subsurface Parameter Inference in Modeling of Borehole Heat Exchanger Fields	17:15 - 17:35		
			Matthew Minnick	Case Study of Seasonal and Diurnal Borehole Thermal Energy Storage	17:35 - 17:55		
16:15 - 18:00	Telus Room 101 - 102	Ground Heat Exchangers, Heat Pumps and Operational Demonstrators	Carl Jacquemyn	Optimal Energy Production and Density for Open-Loop Shallow Geothermal Systems	16:15 - 16:35	Martin Bloemdal	Track 05 - Heating & Cooling
			Jasmin Raymond	Groundwater heat pump and free cooling systems for urban heat island mitigation: A case study in the City of Québec, Canada	16:35 - 16:55		
			Noureddine Alawawdeh	Subsurface Investigation and Numerical Simulation of Ground-Coupled Heat Pumps: A Path Toward Autonomous Heating in the Canadian North	16:55 - 17:15		
			Takahiro Ogawa	Evaluation of Thermal Interference between Horizontal Ground Heat Exchangers	17:15 - 17:35		
			David Townsend	"Geothermal Heat with Every Beat" - The BODYHEAT Project Three Years into Operation	17:35 - 17:55		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
16:15 - 18:00	Telus Room 108 - 109	Environmental performance, monitoring and sustainable urban energy systems	Deirdre E. Clark	Environmental monitoring of the Theistareykir high-temperature geothermal field: Impacts on Groundwater in Northeast Iceland	16:15 - 16:35	TBC	Track 06 - Geothermal for Sustainable Development
			Hye Chowdhury	The environmental footprint results of geothermal power for adopting superhot georesources in Icelandic and Italian perspectives	16:35 - 16:55		
			Brian Brunskill	Urban Direct Heating Geothermal Project Development in Regina, Canada – A Case Study	16:55 - 17:15		
16:15 - 18:00	Glen Room 208	Reservoir-Scale Scaling, ReInjection and Clogging Processes	Georgia Caruso Carter	Silica Scaling in Enhanced Geothermal System Modelling	16:15 - 16:35	TBC	Track 08 - Challenges in Geothermal
			Ehsan Sabooniha	Investigation of Biochemical Clogging Phenomena Along the Geothermal Doublet Loop	16:35 - 16:55		
			Hamed Moosanezhad Kermani	Unclogging the Future: Tackling Biochemical Barriers in Geothermal Energy	16:55 - 17:15		
			Carlos Andres Rivera Villarreyes	Understanding and quantifying the potential scaling in geothermal reservoirs	17:15 - 17:35		
			Taygun Uzelli	Evolution of Fractured Carbonate Reservoirs: Understanding Physicochemical Responses to ReInjection in the Menderes Massif, Türkiye	17:35 - 17:55		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
16:15 - 18:00	Glen Room 201 - 202	Integrated Geophysical and Remote-Sensing Exploration Workflows	Katsuaki Koike	Effectiveness of Integrating Lineament and Fluid Geochemistry Data for 'Steam Spot' Detection with Verification by Shallow Drilling	16:15 - 16:35	TBC	Track 09 - Exploration and Characterization
			Innes Scott Campbell	Geothermal energy prospecting in radiothermal granites in the Cairngorms, Scotland, using an integrated magnetotelluric and petrophysical approach	16:35 - 16:55		
			Lucas Tumbu	3D Resistivity Inversion for Geothermal Resource Modeling: Insights from Kiejo-Mbaka Geothermal Prospect, SW Tanzania.	16:55 - 17:15		
16:15 - 18:00	Glen Room 206	Non-Conventional and Resource-Coupled Geothermal Systems: Country Pathways, Supercritical Frontiers, and Fault-Controlled Exploration	Ken Wisian	Geothermal – not just for Earth	16:15 - 16:35	TBC	Track 09 - Exploration and Characterization
			Shunsuke Akazawa	Heli-borne data combined Curie point depth analysis for assessment of supercritical carbon recycle CO <sub>2</sub> geothermal power generation	16:35 - 16:55		
			Jeffrey Witter	Yukon Geothermal Research Program 2016-2025	16:55 - 17:15		
			Archisman Dutta	Critical Energy Minerals Enrichment in Geothermal Fluids of Puga, Ladakh Geothermal Province, India	17:15 - 17:35		

## TECHNICAL PROGRAM – WEDNESDAY, JUNE 10

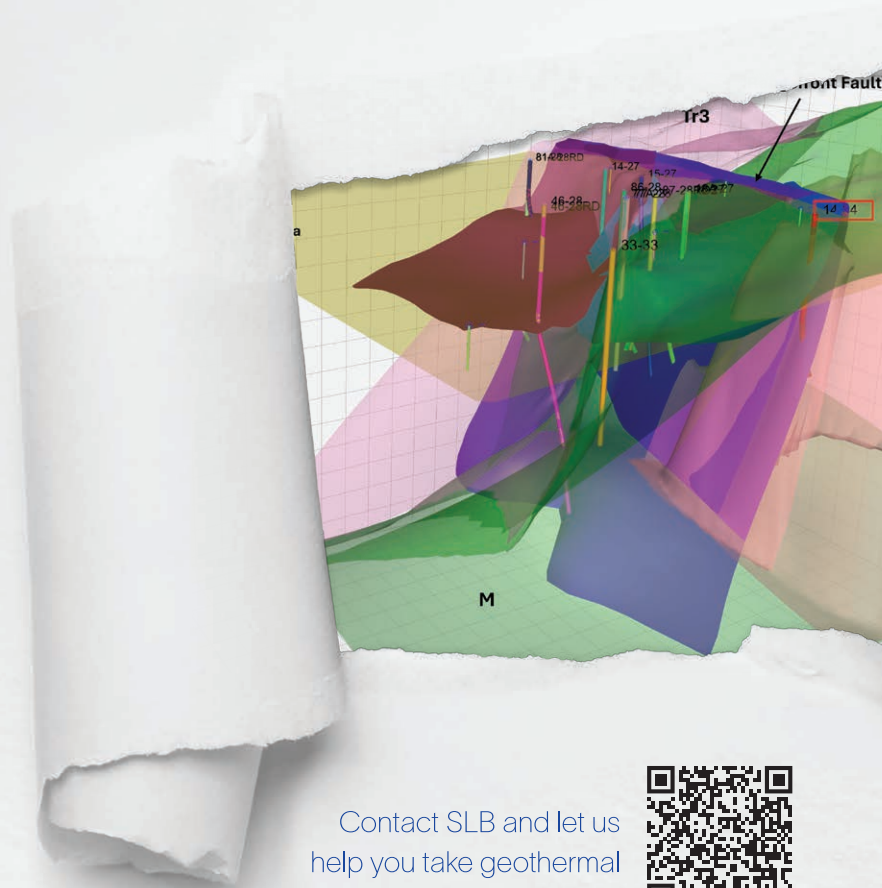
Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
16:15 - 18:00	Glen Room 203 - 204	Unlocking Geomechanics for Safe, Efficient Geothermal - Part 3	Lucy Salmon	Process-Based Fracture Forward Modelling: A Case Study from geothermal reservoirs of the Swiss Molasse Basin	16:15 - 16:35	Kelly Blake	Track 09 - Exploration and Characterization
			Daniel Alonso Torres	Geothermal Resources in Fold and Thrust Belts	16:35 - 16:55		
			Astha Dandari Kusuma Wardhani	Time-Lapse Gravity Monitoring Insights into Exploitation Signatures at Lumut Balai Geothermal Field, Indonesia (2019-2024)	16:55 - 17:15		
16:15 - 18:00	Telus Room 107	Frameworks for Socially Aligned Geothermal Integration	Lukas Janku	Making European Geoenergy Data Accessible and Understandable: The Geological Service for Europe's Strategic Initiative	16:15 - 16:35	Hester Claridge	Track 12 - Communication & Public Perception
			Aoife Braiden	The GEMINI Project: Integrating New Approaches for Cross-Border Geothermal Energy Projects and Stakeholder Engagement	16:35 - 16:55		
			Carlos Araque	Embedding Social Alignment in Geothermal Innovation: Strategies from the COMPASS and EPOS-ON Projects	16:55 - 17:15		



# Take the heat off development decisions

Our integrated modeling and analysis tools help you de-risk sites, optimize well placement, and maximize production sustainability with confidence.

With advanced 3D geologic modeling, fracture and permeability analysis, dynamic thermal-fluid modeling, and wellbore stability workflows, SLB provides your geothermal reservoir with the subsurface clarity needed to make confident investment decisions and accelerate progress.



Contact SLB and let us help you take geothermal **beyond boundaries.**



## THURSDAY, JUNE 11

Time	Session Name	Host	Location	Session Type
08:30 - 09:30	<b>Panel #13 - Next Generation EGS Systems – Are Internal or External Factors Holding it Back?</b>	SLB	Macleod Room E4	Panel
<p>EGS offers unprecedented opportunities to deliver clean, baseload power. And yet, only one developer has received the PPA and financing to build a full-scale EGS power plant today. In this session, we'll explore the major factors holding back EGS developments – subsurface risk, financing, technology, regulatory incentives, permitting – and what can be done to alleviate these roadblocks.</p>				
08:30 - 12:30	<b>Roundtable #11 - Canadian Deep Geothermal Coalition: Roadmap Kickoff</b>	Cascade Institute & Geothermal Canada	Macleod Room E2	Roundtable
<p>Canada's deep geothermal sector is entering an important new phase of collaboration, strategy development, and long-term market growth. This roundtable marks the kickoff of the Canadian Deep Geothermal Coalition roadmap process, bringing together industry leaders, policymakers, researchers, developers, Indigenous representatives, and infrastructure stakeholders.</p>				
10:15 - 10:45	<b>Coffee Break</b>		Exhibit Hall CD & E	
10:45 - 12:30	<b>Panel #14 - Indigenous Leadership in Geothermal Energy</b>	MacEwan University	Macleod Room E4	Panel
<p>Indigenous leadership is shaping the future of geothermal development around the world. This session will highlight how Indigenous communities, organizations, and practitioners are engaging with geothermal projects in ways that reflect community priorities, support economic development, strengthen local capacity, and bring Indigenous knowledge and values into project planning and decision-making. Panelists will share perspectives from their regions and experiences working across community, technical, and policy spaces, offering insight into what meaningful Indigenous leadership can look like in geothermal development.</p> <p>Moderator: Jessica Eagle-Bluestone, Geothermal Rising</p> <p>Panelists:                      Dr. Charlotte Severne, Te Tuma Paeroa;                      Aroha Campbell, Upflow;                      Esther Rawua, The Technical University of Kenya;                      Pan Minchen;                      Cyndi Bonn, Tu Deh Kah</p>				



## THURSDAY, JUNE 11

Time	Session Name	Host	Location	Session Type
12:15 - 14:00	<b>GEOTHERMICA Initiative &amp; Public Authorities Lunch</b>	<b>GEOTHERMICA</b>	<b>Macleod Room E3</b>	<b>Special Session</b>
<p>This special gathering brings together public authorities, policymakers, funding organisations, and international geothermal stakeholders to strengthen collaboration around geothermal innovation, deployment, and public sector engagement. The lunch provides a dedicated forum for dialogue on policy frameworks, international cooperation, research and innovation priorities, and strategies to accelerate geothermal development.</p>				
12:30 - 13:45	<b>Presidents Luncheon</b>	<b>IGA</b>	<b>Colab Room</b>	<b>Special Session</b>
<p>The Presidents Luncheon brings together senior leaders from across the global geothermal community for a high-level gathering focused on international collaboration, strategic dialogue, and the future direction of the sector. We are pleased to welcome association leaders from around the world, including Julfi Hadi, President of the Indonesian Geothermal Association (INAGA), as part of this high-level exchange among geothermal leaders.</p>				
12:30 - 14:00	<b>Lunch Break and Poster Session</b>		<b>Exhibit Hall CD &amp; E</b>	

## THURSDAY, JUNE 11

Time	Session Name	Host	Location	Session Type
12:30 - 14:00	<b>Lunch &amp; Learn #5 - PTRC: Opportunities and Challenges for Urban Geothermal Development</b>	<b>Petroleum Technology Research Centre</b>	<b>Macleod Room E2</b>	<b>Lunch and Learn</b>
<p>Cities are increasingly exploring geothermal energy as part of broader strategies to decarbonise heating and cooling and strengthen energy resilience. This Lunch &amp; Learn session explores the opportunities and complexities of urban geothermal development, bringing together researchers, planners, developers, policymakers, and infrastructure experts to discuss practical experiences, emerging solutions, and lessons learned from geothermal projects in urban settings.</p>				
14:00 - 15:30	<b>Official Closing of the World Geothermal Congress 2026</b>		<b>Macleod Ballroom ABCD</b>	<b>Closing Ceremony</b>
<p>Awards, acknowledgements, and the official handover to the host of the next World Geothermal Congress.</p>				
16:00 - 19:00	<b>Volunteer Appreciation Party</b>		<b>Rooftop Bar</b>	<b>Social Event</b>
<p>A celebration for the student volunteers who made WGC2026 possible.</p>				

## TECHNICAL PROGRAM – THURSDAY, JUNE 11

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
08:30 - 10:15	Glen Room 209	Deep Geothermal Development, Aquifer Systems, & Regional Innovation	Darren Jones	GEO4ALL: Driving the next frontier of geothermal innovation in the Netherlands	08:30 - 08:50	TBC	Track 05 - Heating & Cooling
			Han Claringbould	Advancing Geothermal Development: Lessons, Breakthroughs, and Drivers from Hot Sedimentary Aquifers	08:50 - 09:10		
			Nora Medgyesi	Deep Geothermal Utilization in Bavaria: Insights from the Geothermal Alliance Bavaria Project	09:10 - 09:30		
			Sepideh Maaref	Modelling and Optimization Design of a Western Canadian Geothermal Aquifer Flow System: A Case Study	09:30 - 09:50		
08:30 - 10:15	Glen Room 206	Understanding geothermal reservoirs: characterisation, modelling and performance predictions	Aastha	Structural controls on permeability and fluid flow in the high-temperature peistareykir geothermal system in northern Iceland	08:30 - 08:50	Oliver Ward	Track 06 - Geothermal for Sustainable Development
			Xuan Tang	Hydrogeochemical Characteristics and Geothermal Potential in Western Yunnan, southwestern China	08:50 - 09:10		
			Khishigdelger Ulziisaikhan	Reservoir Modeling and Long-Term Predictions for the Hofsstadir Geothermal Field, W-Iceland	09:10 - 09:30		
			Masoud Eshaghpour	Geothermal Properties of Northern Iran (Southern Caspian Sea coasts): A Comparative Geological and Hydrogeochemical Analysis	09:30 - 09:50		
			Matthew Minnick	Tu Deh-Kah Geothermal Reservoir Simulation: Reservoir Modeling and Geothermal Prediction	09:50 - 10:10		

## TECHNICAL PROGRAM – THURSDAY, JUNE 11

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
08:30 - 10:15	Glen Room 201 - 202	Conceptual Models for Frontier Geothermal Systems	NYORA KOBARE	An integrated approach to elucidate the recharge and heat source zones in a half-graben geothermal system: An insight from the Songwe geothermal field in southwest Tanzania.	08:30 - 08:50	TBC	Track 09 - Exploration and Characterization
			Cannur Bozkurt	Geothermal Potential of the Triple Junction Area in Eastern Anatolia (Türkiye)	08:50 - 09:10		
			Mohammed BOUMEHDI	Conceptual Model of Geothermal Potential in Northeastern Morocco: Approach Based on Geophysical, Geochemical, and Structural Analysis	09:10 - 09:30		
08:30 - 10:15	Glen Room 203 - 204	Reservoir Simulation, Well Testing and Performance Forecasting	Koji Mori	Reaction Path Modelling in Basalt-CO <sub>2</sub> -H <sub>2</sub> O Flow-Through Experiments	08:30 - 08:50	TBC	Track 09 - Exploration and Characterization
			David Rousseau	Investigation Of Fine Particles Mobilization During Geothermal Production from the Anglo-Paris Basin Albian Aquifer Using Coreflooding Experiments	08:50 - 09:10		
			Yeftamikha Siahaan	Numerical Modelling of Geochemical Processes During CO <sub>2</sub> -Rich Condensate Injection into Andesite	09:10 - 09:30		
			Aydin CICEK	A Detailed Comparative Thermohydraulic Modeling of Bozköy EGS Field (Aksaray), Türkiye Using Carbon Dioxide and Water	09:30 - 09:50		

## TECHNICAL PROGRAM – THURSDAY, JUNE 11

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
			Carlos Gorraez Meraz	Social Acceptance of Geothermal Systems in Western Canada: Perspectives from British Columbia and Alberta	08:30 - 08:50		
			Ben Pezaro	Innovative Maori Geothermal Development Partnership between Tauhara North No. 2 Trust and Mercury NZ – Reflections on a 26-Year Journey	08:50 - 09:10		
08:30 - 10:15	Glen Room 208	Field Lessons: Case Studies for Resilient Geothermal Futures	Alexandros Daniilidis	Interdisciplinary Pathways for Sustainable Management of Geological Resources: A Case Study in Flanders	09:10 - 09:30	Cecilia Rodríguez-Gómez	Track 12 - Communication & Public Perception
			Elizabeth Henriquez	The First Latin American Geothermal Congress (LGC 2025): Learning from the Past, Diagnosing the Present and Shaping the Technical Future of Geothermal in the Region	09:30 - 09:50		
			Mahendra Ranjit	Singa Hot Spring – A Model for Development through Internal Resource Mobilization and Community Participation	09:50 - 10:10		
10:15 - 10:45	Exhibit Hall CD & E	Coffee Break					

## TECHNICAL PROGRAM – THURSDAY, JUNE 11

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
10:45 - 12:30	Glen Room 206	Numerical Simulation, Simulator Development and Volcanic Heat Sources	Samuel Scott	Integration of Magmatic Intrusions into Geothermal Reservoir Models: Insights from the Krafla Magma Testbed	10:45 - 11:05	TBC	Track 02 - Advancements in Technology and Innovations
			Héctor David Ribera Cañénguez	Case Study: Numerical Model of San Vicente Geothermal System, El Salvador, Central America	11:05 - 11:25		
			Jonathon Clearwater	Updates to the Volsung Geothermal Simulator	11:25 - 11:45		
			James Patterson	Accelerating Geothermal Modeling with Low- and High-Fidelity Fourier Neural Operators	11:45 - 12:05		
			Sigurður Ragnarsson	Repeated Dike Intrusions as Heat Sources of Volcanic Geothermal Systems	12:05 - 12:25		
10:45 - 12:30	Glen Room 208	District Heating, Urban Flexibility and Residual Heat Use	Ignasi Herms	Shallow geothermal energy as an enabler of system flexibility: comparative modelling of 4GDHC and 5GDHC networks in the Catalan Pyrenees within the FlexGeo project	10:45 - 11:05	TBC	Track 07 - Geothermal for Built Environment
			Hildur Aesa Oddsdorttir	Geothermal for Resilient Cities: Managing Dual-Demand in Urban CHP Infrastructure	11:05 - 11:25		
			Hendra Kurniawan	Harnessing Residual Geothermal Heat for District Heating in Dieng Plateau: Current Situation and Future Prospects	11:25 - 11:45		
			Martin Bloemendal	Optimisation of ATES in conjunction with E-grid in integrated heating systems	11:45 - 12:05		
			Andrea Pagni	Geothermal for Mega Projects: A Use-Case Strategy for Scalable, Low-Risk Deployment	12:05 - 12:25		

## TECHNICAL PROGRAM – THURSDAY, JUNE 11

Time	Location	Session Name	Speaker	Title	Pres. Time	Moderator	Track
10:45 - 12:30	Glen Room 203 - 204	Building and Strengthening Subsurface Characterisation Datasets	Nicholas Hinz	Integrating Surface Geological Mapping into Geothermal Conceptual Models	10:45 - 11:05	Samantha Sellars	Track 09 - Exploration and Characterization
			Marlene Villeneuve	The Overlooked Foundation: The crucial Role of Preprocessing in Enhancing rock units characterization	11:05 - 11:25		
			Yasuhiro Fujimitsu	SATREPS: Geothermal Collaborative Research with Kenya	11:25 - 11:45		
			Taiki Kubo	Characterization of Geothermal System within a Caldera through Hyperspectral Vegetation Remote Sensing and Topographic Analysis	11:45 - 12:05		
10:45 - 12:30	Glen Room 201 - 202	Low-Temperature Resource Characterisation and Community Geothermal	Daniel Whittington	Shooting lines and finding mines: A case study of geophysics to locate and characterize mine water thermal resources	10:45 - 11:05	TBC	Track 09 - Exploration and Characterization
			Sigurður Kristinsson	Low temperature systems in Kjalarnes Iceland, exploration using gradient wells	11:05 - 11:25		
			Egill Árni Guðnason	Existence and nature of low-temperature geothermal systems in Eyjafjörður, N-Iceland, from a geophysical perspective	11:25 - 11:45		
			Fiona Chapman	Geothermal Energy in Northern Canada: Recent Advances and Future Prospects for Community-Driven Research and Development	11:45 - 12:05		

# Iceland, the Home of Geothermal

where it powers everyday life, supports energy security and drives industrial growth

**100+**

years of expertise

**60%+**

of primary energy

**90%**

of house heating

Unlock the full potential of geothermal with Iceland  
Meet 100+ experts at the Iceland Pavilion  
[Explore Iceland's agenda and delegates](#)

**Green** by  
**Iceland**



## MONDAY, JUNE 8

Time: 12:30 - 13:00

Screen	Poster Title	Presenter	Track	Poster No.
1	3D Gravity and Magnetic Vector Inversion Modelling at Buffalo Valley, Nevada, USA	Jeffrey Witter	Track 09 - Exploration and Characterization	9
2	First field experiments with fiber optics for geothermal potential assessment in Slovenia	Fiona Chapman	Track 09 - Exploration and Characterization	912062
3	State of the art of MT/HT-ATES in the Netherlands	Martin Bloemendal	Track 05 - Heating & Cooling	999799
4	HT-ATES for Seasonal Storage of Surplus Solar Energy at Utrecht University Science Park	Fred Beekman	Track 05 - Heating & Cooling	1000130
5	Drift-Flux Model Based on Low- to High-temperature Multiphase Flow Experiments	Adolph Jr. Bravo	Track 09 - Exploration and Characterization	200106
6	Drilling Insights from advanced in-bit downhole sensor modules drive PDC bit design and drilling optimisation in geothermal applications	Aira Aspiras	Track 02 - Advancements in Technology and Innovations	310
7	Formation Cleaning in Reinjection Wells: Learnings From New Zealand Field Trials	Alan Ferguson	Track 02 - Advancements in Technology and Innovations	999776
8	Implementing Novel One-Trip Solutions for Multi-Lateral Operations from Cased Closed-Loop Geothermal Wellbores	Scott Webber	Track 02 - Advancements in Technology and Innovations	1000281
9	An heuristic equation correlating silica polymerization induction times to temperature and silica concentration in geothermal brines	Alessandro Lenzi	Track 09 - Exploration and Characterization	1000167
10	Derisking Geothermal Projects Reusing Pre-existing Oil&Gas Subsurface Data: the Guardia Lombardi (Italy) Case Study	Davide Scrocca	Track 03 - Synergies between Geothermal and Oil & Gas	73
11	Delft Subsurface Energy Laboratory – DSUEL: update on research efforts	Alexandros Daniilidis	Track 02 - Advancements in Technology and Innovations	912045
12	Mine water geothermal in Great Britain – from local to global	Alison Monaghan	Track 04 - Synergies between Geothermal and Mining	999802
13	Geological Thermal Energy Storage for Long Duration Energy Storage Applications	Erik Witter	Track 05 - Heating & Cooling	999982



## MONDAY, JUNE 8

Time: 13:00 - 13:30

Screen	Poster Title	Presenter	Track	Poster No.
1	Low Carbon Energy Supply Solution for Park Public Building: Research and Application of "Geothermal+" Integrated Energy System	Zhiguo Han	Track 07 - Geothermal for Built Environment	343
2	A National Web Portal For Geothermal Fluids To Support Geothermal Exploration In Italy	Antonio Randazzo	Track 09 - Exploration and Characterization	999866
3	Geothermal Campus Leeds: decarbonising heating and teaching on campus	Arka Dyuti Sarkar	Track 05 - Heating & Cooling	1000372
4	Thermo-economics of Deep Heat Mining: Constraints and Potentials	Ben Holtzman	Track 09 - Exploration and Characterization	1000277
5	15 years of operating rules & research to minimize induced seismicity in RLP (Southwest Germany) - application on a regional scale?	Bernd Schmidt	Track 11 - Policy, Regulatory, Frameworks, and Standards	1000298
7	Calculation of surface temperatures using Landsat 8 satellite data for shallow geothermal 3D modelling	Bjoern Holstein	Track 06 - Geothermal for Sustainable Development	912016
8	Harnessing Geothermal Power and CO <sub>2</sub> Storage: Evaluating Hybrid CO <sub>2</sub> -Water Geothermal Systems in Deep Saline Aquifers Using Thermal-Hydraulic-Mechanical Simulation	Bo Zhang	Track 02 - Advancements in Technology and Innovations	1000314
9	Mapping Fracture Networks in Geothermal Systems Through Probabilistic Anisotropic P-wave Tomography: An Application to the Hengill Geothermal Field (Iceland)	Brandon VanderBeek	Track 09 - Exploration and Characterization	1000135
10	Open-Loop Geothermal Exchange: Developing a Low-Carbon Heating and Cooling System Using Groundwater in the Bow Valley	Brendan Ray	Track 05 - Heating & Cooling	110426
11	The Future of Geothermal Energy	Brian Carey	Track 08 - Challenges in Geothermal	914199
12	Challenges of Geothermal Projects in Western Branch of the East African Rift System	Wisdom Kambale Kavyavu	Track 08 - Challenges in Geothermal	267457
13	Field tests of horizontal ground heat exchangers under tidal influence	Satoko Taniguchi	Track 05 - Heating & Cooling	592666

## MONDAY, JUNE 8

Time: 13:30 - 14:00

Screen	Poster Title	Presenter	Track	Poster No.
1	Unlocking Nigeria's Geothermal Energy Potential: Insights from High-Resolution Aeromagnetic and Aero-Radiometric Data	Chigozie Ikechukwu	Track 09 - Exploration and Characterization	1000105
2	A rock properties database to support geothermal research in remote northern regions of Canada	Mafalda Miranda	Track 09 - Exploration and Characterization	363
3	IEA-Geothermal Collaboration on Environmental & Social Awareness and Summary of Best-Practices	Chris Bromley	Track 11 - Policy, Regulatory, Frameworks, and Standards	355174
4	Forward Stratigraphic Modelling of Mesozoic Geothermal Carbonate Reservoirs in Central Europe: Sedimentological Constraints, Eustatic Controls and Permeability Heterogeneity	Nadezda Meier	Track 09 - Exploration and Characterization	912034
5	Technical, financial, economic, and environmental viability of a geothermal heated swimming pool and Spa Complex in Menengai, Kenya	Martin Pujol	Track 10 - Economics of Geothermal	682359
6	Numerical model analysis of supersonic ejector for geothermal wells at the Theistareykir Geothermal Power Plant	Christine Groves	Track 02 - Advancements in Technology and Innovations	999873
7	Comparative Analysis of Bio-Based and Synthetic Scale Inhibitors in Geothermal Wells	Mbega Ngata	Track 06 - Geothermal for Sustainable Development	914248
8	Deep geothermal energy for district cooling: Assessing the performance profile for a case study in Singapore	Christopher Schiffler	Track 05 - Heating & Cooling	1000152
9	Next Generation Geothermal for large-scale district heating – a feasibility study for Germany	Nora Medgyesi	Track 07 - Geothermal for Built Environment	346
10	Understanding Heat Transfer in 'J-type' Deep Borehole Heat Exchangers	Christopher S. Brown	Track 02 - Advancements in Technology and Innovations	833616
11	How Geothermal Can Be Beneficial for Sustainable Development in Taiwan	Chyi Wang	Track 06 - Geothermal for Sustainable Development	1000218
12	Quantitative Back-Calculation of Conceptual Models During Drilling: A Workflow for Real-Time Geological Refinement	Clare Baxter	Track 09 - Exploration and Characterization	1000388

## TUESDAY, JUNE 9

Time: 12:30 - 13:00

Screen	Poster Title	Presenter	Track	Poster No.
1	Energy Center - Geo Quick Box	Clemens Lehr	Track 07 - Geothermal for Built Environment	1000222
2	Turkey's Geothermal Energy Potential: Investment Opportunities and Exploration Strategies	Coskun Bulut	Track 10 - Economics of Geothermal	282972
3	Geothermal Exploration Challenges in Canada	Daniel Alonso Torres	Track 09 - Exploration and Characterization	999971
4	Pioneering Mine Water Geothermal Energy in the UK: Overviews of a Commercial Operational Scheme and a Research and Development Project	David Townsend	Track 05 - Heating & Cooling	67
5	Microanalytical Identification of Mineral Mechanisms Impacting Geothermal Reservoir Scaling	David McNamara	Track 08 - Challenges in Geothermal	742707
6	Principles, Criteria & Indicators (PC&I) framework for sustainable subsurface development	Alexandros Daniilidis	Track 06 - Geothermal for Sustainable Development	912040
7	Petrology and Hydrothermal Alteration Mineral Distribution of Wells LA-9D and LA-10D in Aluto Geothermal Field, Ethiopia	Dereje Moges	Track 09 - Exploration and Characterization	472678
8	Spatial and Regulatory Constraints on Shallow Geothermal Energy Utilisation in Germany	Domenico C.G. Ravidà	Track 11 - Policy, Regulatory, Frameworks, and Standards	1000230
9	Is reinjection into sandy aquifers the only sustainable solution – the Pannonian Basin case	Dušan Rajver	Track 02 - Advancements in Technology and Innovations	912059
10	WING EL SALVADOR: MOVING AHEAD TOGETHER	Elizabeth Henriquez	Track 12 - Communication & Public Perception	999996
11	Utilizing Downhole Drilling Dynamic Data to Characterize Geomechanics of Enhanced Geothermal Reservoirs	Hamed Soroush	Track 02 - Advancements in Technology and Innovations	1000011
12	Modelling Results from the Lithium Valley Project in the Salton Sea geothermal field	Theo Renaud	Track 09 - Exploration and Characterization	999838
13	A Case Study on Integrating Absorption Cooling into an ACC-Based Geothermal ORC System	Tuğrul Hazar	Track 05 - Heating & Cooling	254336



## TUESDAY, JUNE 9

Time: 12:30 - 13:00

Screen	Poster Title	Presenter	Track	Poster No.
14	Leveraging Geothermal Energy to Transform Alberta's Oil and Gas Industry: Insights from the First Co-produced Geothermal Project in the North America	Vince Ng	Track 08 - Challenges in Geothermal	720374
16	From Theory to Implementation: CO <sub>2</sub> Sequestration within Geothermal Reservoirs for production optimization and Climate Mitigation	Mbega Ngata	Track 06 - Geothermal for Sustainable Development	914245
17	A Detailed study on the Distribution of Sandstone thermal reservoirs in Geothermal Fields of the Weihe Basin, Shaanxi Province, China	宇璇 赵	Track 09 - Exploration and Characterization	912014
18	Development of a Framework to Communicate Regional Development Opportunities Utilising the Low Enthalpy Tauranga Geothermal System, Aotearoa New Zealand	Yale Carden	Track 12 - Communication & Public Perception	937146
19	Fault Detection for an ATEs Triplet Under Future Climate Scenarios	Ergin Kukrer	Track 05 - Heating & Cooling	914239

## TUESDAY, JUNE 9

Time: 13:00 - 13:30

Screen	Poster Title	Presenter	Track	Poster No.
1	"Sensitivity and resolution of geophysical methods in response to a deep fractured geothermal reservoir model in the Upper Rhine Graben: a methodological framework"	Ernesto Macedo Serrano	Track 09 - Exploration and Characterization	200108
2	Hydrological Processes of Hot Springs in Mountain Fault Zones Constrained by Geothermal Field: A Case Study in the Chuxiong Basin, SW China	Fang Xie	Track 09 - Exploration and Characterization	52
3	"Use of Separator Mass Balance to Ascertain Tracer Flow Measurements, A Case Study for KenGen-Olkaria Production Wells"	Felix Kirui	Track 02 - Advancements in Technology and Innovations	1000201
4	Demonstrating low temperature grids, with ATEs as flex for E-grid	Jana Teresa Riederer	Track 05 - Heating & Cooling	999815
5	Geothermal Energy Resource Assessment of the East-African Rift Basins in SW Tanzania	Fred Beekman	Track 09 - Exploration and Characterization	1000132
6	Agentic AI-Based Dynamic Management Strategies for Long-Term Sustainability of Geothermal Reservoirs	Fusun Servin TUT HAKLIDIR	Track 02 - Advancements in Technology and Innovations	322
7	Prediction of Early Fracture Networks in Carbonate Systems through Process-based Forward Modelling	Gerd Winterleitner	Track 09 - Exploration and Characterization	912030
8	UNFC Compliant Resource Assessment of Combined Production of Thermal Energy and Minerals from Geothermal Brines	Gioia Falcone	Track 04 - Synergies between Geothermal and Mining	914236
9	On the occurrence of iron-magnesium carbonates in hydrothermal systems	Giordano Montegrossi	Track 09 - Exploration and Characterization	914233
10	Technical and Economical Analysis of NCG Reinjection in Geothermal Power Plants	Ural Halaçoğlu	Track 02 - Advancements in Technology and Innovations	386720
11	The Oldest Geothermal Production Pipeline in Indonesia	Graeme Beardsmore	Track 08 - Challenges in Geothermal	178
12	Distinctive hydrothermal characteristics in orogenic belt steaming grounds, Taiwan	Yi-Chia Lu	Track 02 - Advancements in Technology and Innovations	500



## TUESDAY, JUNE 9

Time: 13:00 - 13:30

Screen	Poster Title	Presenter	Track	Poster No.
13	Maximizing Rate of Penetration in Deep Geothermal Wells using a Novel Downhole Actuator	Yifan Zhang	Track 02 - Advancements in Technology and Innovations	1000196
14	Overview of nGEL Thermal Energy Storage for Flexible Power Generation at Kizildere-2 GPP	Yiğit Yavuz Bayraktar	Track 02 - Advancements in Technology and Innovations	694817
15	Pore and Permeability Characteristics and Development Patterns of Karst-Fractured Geothermal Reservoirs	Yoshi Yu Dong	Track 09 - Exploration and Characterization	103
16	Novel In-pipe Deposition Method for Low-Adhesion Diamond like Carbon Coatings against Silica Accumulation	Yuya Nakashima	Track 02 - Advancements in Technology and Innovations	508190
17	Utilisation of the Excess Thermal Energy in the Geothermal Power Plants through the Reduction of Re-Injection Temperature	Zeynep Korkmaz	Track 02 - Advancements in Technology and Innovations	632531
19	Fracture Spacing, Matrix Permeability, and Mechanical Feedbacks: Key Drivers of Heat Recovery in Geothermal Reservoirs	Hamid Nick	Track 02 - Advancements in Technology and Innovations	1000289

## TUESDAY, JUNE 9

Time: 13:30 - 14:00

Screen	Poster Title	Presenter	Track	Poster No.
1	Preparation and Performance Research of Anti-corrosion and Scale Inhibition Micro-Element Integrated Microcapsules	Haoyu Diao	Track 02 - Advancements in Technology and Innovations	149
2	Challenges for Green Inhibitor Development for Geothermal Applications	Harry Tookey	Track 02 - Advancements in Technology and Innovations	999899
3	Pre-Feasibility Study for Direct Use Applications at Ngozi Geothermal Prospect, Mbeya - Tanzania	Hashim Khamis	Track 06 - Geothermal for Sustainable Development	856495
4	Effect of Flow Rate and Wellbore Geometry on Pyrite Scale Formation in Tiwi Geothermal Field	Hedrick Reyes	Track 08 - Challenges in Geothermal	999797
5	Geothermal Structure in the Tatun volcanic area in Taiwan by using MT survey	Hideaki Hase	Track 09 - Exploration and Characterization	1000055
6	Anomalous Distribution of Heat Flow in Continental China and Recent Advances in High-Temperature Geothermal Research	Yibo Wang	Track 09 - Exploration and Characterization	702811
7	Assessing the Potential of the Gas-to-Geo Concept in Densely Populated Areas of Catalonia (Spain), Southern Europe: Insights from a Novel GIS-Based Methodology	Ignasi Herms	Track 07 - Geothermal for Built Environment	251
8	Delineation of upflow areas through the measurement of diffuse gas emissions and noble gas isotopes in the Cerritos Colorados Geothermal System, Mexico.	Isabel Pérez Martínez	Track 09 - Exploration and Characterization	1000076
9	Thermal Structure in the Volcanic Geothermal System of Changbai Mountain	Jialin Song	Track 09 - Exploration and Characterization	109
10	Open-loop flow estimates from distributed thermal response	Joe Kelly	Track 09 - Exploration and Characterization	200109
11	The Integration of Organic Rankine Cycle (Orc) Technology with Innovative Egs System for Large Scale Power Production – An Update on the Cape Station Project	Joesph Bonafin	Track 02 - Advancements in Technology and Innovations	399594
12	Geochemical and Petro-Physical Characteristics of the Kenyan Rift Basalts for CO <sub>2</sub> Mineralization Potential (Case Study Olkaria Geothermal Field)	Christine Nyamvula Katana	Track 09 - Exploration and Characterization	212



## TUESDAY, JUNE 9

Time: 13:30 - 14:00

Screen	Poster Title	Presenter	Track	Poster No.
13	Determination of the Injectivity and Productivity Indices and Their Correlation with the Productive Evolution in Six Wells of the Las Pailas II Geothermal Field, Costa Rica (2019-2024)	Sergio Castro-Zuniga	Track 09 - Exploration and Characterization	11
14	Social Sustainability of Projects: A Case Study of Installing Potable Water Community Condensers in Eburru	Rose Mathenge	Track 06 - Geothermal for Sustainable Development	517512
15	Leveraging Geothermal Stability to Mitigate Load-Induced Degradation in Solid Oxide Electrolysis Systems	Peter Ndirangu	Track 02 - Advancements in Technology and Innovations	999921
16	Casing Failure in Geothermal Wells: A Case Study of OW-740A and Lessons in Well Integrity Management	Nahashon Nzioka	Track 08 - Challenges in Geothermal	912053
17	Development of a Preliminary Conceptual Model by Implementing Geological and Geochemical Techniques in the Oyacachi, Ecuador Geothermal Prospect	Karol Ambuludi	Track 09 - Exploration and Characterization	135
18	Harnessing Geothermal Energy in Antsirabe, Madagascar: A Path Towards Sustainable Development	Clare Bossenec	Track 06 - Geothermal for Sustainable Development	914230
19	Petrographic insights of an Ultramafic Analogue for CO <sub>2</sub> Storage and Hydrogen Production in Serpentinization-Driven Geothermal Systems	Jonathan Alexander	Track 02 - Advancements in Technology and Innovations	605776



**Project Obsidian**  
Quaise Energy's flagship facility

**Always-on, clean power for a changing world**

**QUAISE**

**Quaise.com**

Quaise Energy is proud to sponsor the 2026 World Geothermal Congress

## WEDNESDAY, JUNE 10

Time: 12:30 - 13:00

Screen	Poster Title	Presenter	Track	Poster No.
1	Fifteen Years of Geothermal Trend Reporting and Statistics by IEA Geothermal	Josef Weber	Track 12 - Communication & Public Perception	282
2	Geological Mapping of a Composite Rhyolitic Sill Intrusion in the Subsurface of the Peistareykir Geothermal Field in Northeast Iceland	Julia Reimer	Track 09 - Exploration and Characterization	999896
3	Review of Conventional System and EGS Exploration Approaches and Success Drivers	Julian McDowell	Track 09 - Exploration and Characterization	1000024
4	Field to laboratory assessment of subsurface thermal conductivity: a geothermal case study in Slovenia	Karlo Borko	Track 09 - Exploration and Characterization	200110
5	Quantifying the Effects of Porosity and Saturation on Rock Thermal Properties: TCS Measurements From the RINGEN Research Centre	Katarína Krejzlová	Track 09 - Exploration and Characterization	379
6	Contribution of Physical and Textural Properties of Volcanic Rock to Slip Characteristics by CO <sub>2</sub> Injection Under Geothermal Environment	Kazumasa Sueyoshi	Track 02 - Advancements in Technology and Innovations	999819
7	Analysis of flow characteristics and development recommendations for Karst Geothermal reservoirs based on tracing experiment: A case study of Fanxian geothermal field	Kefu Li	Track 09 - Exploration and Characterization	999869
8	Optimization of Surface Infrastructure and Heat Sinks for Low Enthalpy Direct-Use Geothermal Energy Systems in the City of Regina Indoor Aquatic Facility	Kenneth Shular	Track 07 - Geothermal for Built Environment	999813
9	Permeability Enhancement of Volcanic Rocks Using HF-Enhanced Biobased Chelating Fluids in Hydraulic Fracturing	Kevin Ryano	Track 02 - Advancements in Technology and Innovations	981280
10	Vacuumized pipe-in-pipe solution for efficient geothermal heat extraction everywhere	Kim Maver	Track 02 - Advancements in Technology and Innovations	999747
11	Geothermal Energy for Canadians – Past, present and future efforts of the Geological Survey of Canada	Kim Picard	Track 06 - Geothermal for Sustainable Development	1000385
12	Borehole Geology and Hydrothermal Alteration Mineralogy of OW-807A, Olkaria Geothermal Field	Danson Kariuki	Track 09 - Exploration and Characterization	912004



## WEDNESDAY, JUNE 10

Time: 12:30 - 13:00

Screen	Poster Title	Presenter	Track	Poster No.
13	How Government Intervention in Securing Land in Geothermal Rich Areas Can Act as a Catalyst to Accelerating Exploitation of Geothermal Resources in Kenya	Clety Bore	Track 08 - Challenges in Geothermal	1000153
14	Resource Assessment of the Olkaria East Geothermal Production Field - Case Study Based on Wells Ow-50b And Ow-54	Collins Mbaya	Track 09 - Exploration and Characterization	523652
15	Deciphering the Structure of Karstified and Fractured Geothermal Reservoirs in the Nord-Pas-de-Calais Variscan Foreland Basin: Insights for Geothermal Regional Developments	Claire Bossennec	Track 09 - Exploration and Characterization	215
16	Increasing the Temperature of Geothermal Fluids as a Mitigation Measure against the Formation of Unwanted Solids at the Pailas II Geothermal Field Plant	Federico Nietzen	Track 02 - Advancements in Technology and Innovations	1000360
17	PDC Drill Bit Design Methodology for High UCS Geothermal Drilling	Evan Cripps	Track 02 - Advancements in Technology and Innovations	33333333
18	Laumontite-Wairakite-Yugawaralite association as evidence of fossil geothermal systems in Cenozoic formations from the central Chilean Andes	Catalina Cerna	Track 09 - Exploration and Characterization	999749
19	Flow Partitioning and Viscosity-Driven Dynamics in a Geothermal Multilayer Aquifer of the North German Basin	Kimberley Niehage	Track 09 - Exploration and Characterization	200103

## WEDNESDAY, JUNE 10

Time: 13:00 - 13:30

Screen	Poster Title	Presenter	Track	Poster No.
1	Development of Artificial Intelligence (AI) System for Prediction of Silica Scale Formation at Geothermal Power Plants	Kotaro Yonezu	Track 02 - Advancements in Technology and Innovations	119
2	Understanding fluid flow behavior in geothermal reservoirs through microseismic monitoring: Insights from a water recharge test	Kyosuke Okamoto	Track 09 - Exploration and Characterization	99
3	Coupled Thermo-Hydro-Mechanical Modeling and Bayesian Evidential Learning for Forecasting Induced Microseismicity in Deep Geothermal-Mining System	Le Zhang	Track 02 - Advancements in Technology and Innovations	334
4	The AMPEDEK project: Atlas of geochemical, petrophysical and rock mechanical properties of the crystalline basement in Germany	Leandra Weydt	Track 09 - Exploration and Characterization	1000131
5	Supporting the Uptake of Direct-Use Geothermal Energy to Decarbonise the Agri-Food Sector in Northern Ireland	Liam Hayes	Track 06 - Geothermal for Sustainable Development	999874
6	MATHEMATICAL MODELING OF FRACTURE INTERFACIAL SLIP WITH LUBRIFICATION	Lorenzo Fusi	Track 08 - Challenges in Geothermal	313
7	SYNERGYS – Systems for Energy Synergies: Concept and Current Status	Lucie Janku	Track 05 - Heating & Cooling	999763
8	Life Cycle Analysis for Design of Combined Heat and Power (CHP) plants with Advanced Geothermal Systems (AGS)	Mo Abouelhassan	Track 02 - Advancements in Technology and Innovations	999991
9	Superhot Geothermal Energy with Gravity-assisted Geothermal Systems	Luke Frash	Track 02 - Advancements in Technology and Innovations	372
10	Characterization of a high-temperature heat pump for steam generation considering a medium depth geothermal energy source	Lynn Briese	Track 05 - Heating & Cooling	344
11	Outcomes of International Collaboration within IEA Geothermal on Research into Deep and Superhot Geothermal Resources	Chris Bromley	Track 02 - Advancements in Technology and Innovations	231475
12	Challenges and Takeaways from Field Pressure Signal Testing in a Low-Temperature Geothermal Reservoir in Northern China	Tingting Zheng	Track 05 - Heating & Cooling	999937

## WEDNESDAY, JUNE 10

Time: 13:00 - 13:30

Screen	Poster Title	Presenter	Track	Poster No.
1	Development of Artificial Intelligence (AI) System for Prediction of Silica Scale Formation at Geothermal Power Plants	Kotaro Yonezu	Track 02 - Advancements in Technology and Innovations	119
2	Understanding fluid flow behavior in geothermal reservoirs through microseismic monitoring: Insights from a water recharge test	Kyosuke Okamoto	Track 09 - Exploration and Characterization	99
3	Coupled Thermo-Hydro-Mechanical Modeling and Bayesian Evidential Learning for Forecasting Induced Microseismicity in Deep Geothermal-Mining System	Le Zhang	Track 02 - Advancements in Technology and Innovations	334
4	The AMPEDEK project: Atlas of geochemical, petrophysical and rock mechanical properties of the crystalline basement in Germany	Leandra Weydt	Track 09 - Exploration and Characterization	1000131
5	Supporting the Uptake of Direct-Use Geothermal Energy to Decarbonise the Agri-Food Sector in Northern Ireland	Liam Hayes	Track 06 - Geothermal for Sustainable Development	999874
6	MATHEMATICAL MODELING OF FRACTURE INTERFACIAL SLIP WITH LUBRIFICATION	Lorenzo Fusi	Track 08 - Challenges in Geothermal	313
7	SYNERGYS – Systems for Energy Synergies: Concept and Current Status	Lucie Janku	Track 05 - Heating & Cooling	999763
8	Life Cycle Analysis for Design of Combined Heat and Power (CHP) plants with Advanced Geothermal Systems (AGS)	Mo Abouelhassan	Track 02 - Advancements in Technology and Innovations	999991
9	Superhot Geothermal Energy with Gravity-assisted Geothermal Systems	Luke Frash	Track 02 - Advancements in Technology and Innovations	372
10	Characterization of a high-temperature heat pump for steam generation considering a medium depth geothermal energy source	Lynn Briese	Track 05 - Heating & Cooling	344
11	Outcomes of International Collaboration within IEA Geothermal on Research into Deep and Superhot Geothermal Resources	Chris Bromley	Track 02 - Advancements in Technology and Innovations	231475
12	Challenges and Takeaways from Field Pressure Signal Testing in a Low-Temperature Geothermal Reservoir in Northern China	Tingting Zheng	Track 05 - Heating & Cooling	999937



## WEDNESDAY, JUNE 10

Time: 13:00 - 13:30

Screen	Poster Title	Presenter	Track	Poster No.
13	Assessing Geothermal Influence on Vegetation Health Through Time-Series Analysis	Widya Asoka Suleman	Track 09 - Exploration and Characterization	999920
14	"3D Resistivity structure using Magnetotelluric Data and Its Geothermal Implications at Bilate geothermal field, South Ethiopia. "	Tsegaye Tadesse/Wondifra	Track 09 - Exploration and Characterization	283
15	Geothermal Resource Potential in a Non-Orogenic Province, India – A Case Study for the Tatapani Geothermal Field	Priya Yadav	Track 09 - Exploration and Characterization	105686
16	Investigation of the Incipient Stage of Silica Colloid and Nanoparticle Formation in Menengai Geothermal Waters: Insights from Immersed Titanium Plate Deposition and Polymerization Experiments	Leakey Auko	Track 02 - Advancements in Technology and Innovations	1000119
17	Characterization of Magmatic-Hydrothermal Processes Beneath the Danakil depression, Afar Rift	Birhan Abera Kebede	Track 09 - Exploration and Characterization	1000195
18	Advancements in Thermoelectric Generator Technology and its Potential Integration with Geothermal Resources	Edgar Elieza Akilimali	Track 02 - Advancements in Technology and Innovations	219775
19	The Shallow Geothermal Energy Potential of Lagoa Municipality (S. Miguel Island, Azores): A Preliminary Evaluation	Mafalda Miranda	Track 09 - Exploration and Characterization	365



## WEDNESDAY, JUNE 10

Time: 13:30 - 14:00

Screen	Poster Title	Presenter	Track	Poster No.
1	Advancements in Geothermal Energy Resources Identification by Integrating Multidisciplinary Above-, On-, and Under- Surface Information: Mount Meager Volcanic Complex, British Columbia, Canada	Wanju Yuan	Track 09 - Exploration and Characterization	999756
2	Exploring Diffuse CO <sub>2</sub> Emissions across the Trans-Mexican Volcanic Belt	Mariana Patricia Jácome Paz	Track 09 - Exploration and Characterization	1000235
3	Optimisation of ATEs in conjunction with E-grid in integrated heating systems	Martin Bloemendal	Track 05 - Heating & Cooling	297
4	Geothermal Collaboration through the International Energy Agency Geothermal Technology Collaboration Programme	Chris Bromley	Track 02 - Advancements in Technology and Innovations	39
5	Reservoir modelling to support the proposed geothermally heated indoor aquatic facility in the City of Regina in Saskatchewan, Canada	Martin Pujol	Track 09 - Exploration and Characterization	728100
6	Development of a Corrosion Prediction Model for Casing Materials in Acidic Geothermal Environments	Masatake Sato	Track 06 - Geothermal for Sustainable Development	216
7	From Back Tables to the Global Stage: Branding Geothermal for Scalable Impact	Matt Keay	Track 12 - Communication & Public Perception	127
8	Controlling Role of Salt Tectonics on the Architecture of a Mid-Depth Geothermal Reservoir Based on 3D Seismic Interpretation in the North German Basin	Michael Erb	Track 09 - Exploration and Characterization	914231
9	Seismic Travel Time and Attenuation Tomography as a Geothermal Exploration Tool: A Case Example From the Aluto-Langano Field, Ethiopia	Michael Kendall	Track 09 - Exploration and Characterization	1000101
10	Enhancing Field Management Strategy Through Precise Modeling of Superheated Steam	Minh Tran	Track 06 - Geothermal for Sustainable Development	767391
11	Assessing the feasibility for the installation of high temperature, mine thermal energy storage technologies in metalliferous mines in Cornwall, UK.	Andres Gonzalez Quiros	Track 04 - Synergies between Geothermal and Mining	781816
12	OPTIMIZATION MODELING OF GEOTHERMAL PLUS DISTRICT HEATING SYSTEM IN CHINA	Caixia Sun	Track 05 - Heating & Cooling	454545



## WEDNESDAY, JUNE 10

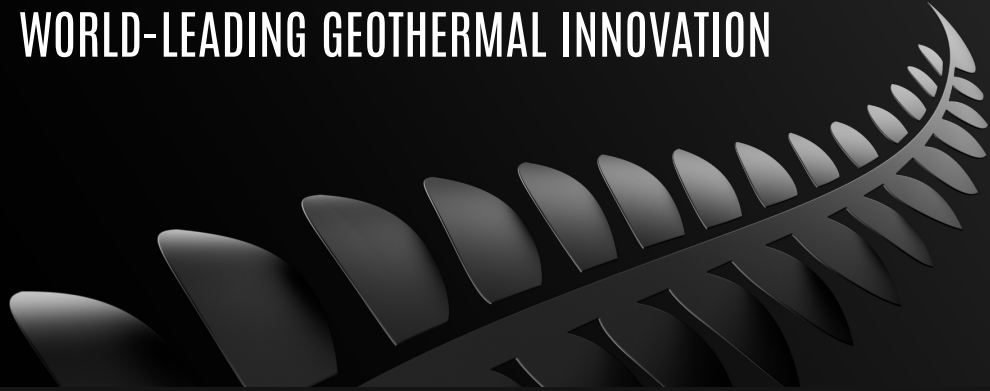
Time: 13:30 - 14:00

Screen	Poster Title	Presenter	Track	Poster No.
13	Simple formula for thermal power estimation of deep borehole heat exchangers	Dai Chuanshan	"Track 06 - Geothermal for Sustainable Development"	121825
14	Overview of the Geothermal Energy Potential in Malaysia	PGeol. Fredolin Javino	Track 10 - Economics of Geothermal	1000059
15	The Role and Value Added of the Risk Sharing Mechanism (RSM) Program in Türkiye's Geothermal Energy Sector	Hilal Kivanc Ates	Track 10 - Economics of Geothermal	267
16	Challenges of Various Isothiazoline Applications as a Non-Oxidizing Biocide for Biofilm Prevention in Geothermal Cooling Systems	Nur Choiri Amin	Track 02 - Advancements in Technology and Innovations	1000357
17	Subsurface Characterization of Early Carboniferous Limestones for Geothermal Use in the UK	Mohamed Gouiza	Track 09 - Exploration and Characterization	999893



# NEW ZEALAND GEOTHERMAL PAVILION

## WORLD-LEADING GEOTHERMAL INNOVATION



## THURSDAY, JUNE 11

Time: 12:30 - 13:00

Screen	Poster Title	Presenter	Track	Poster No.
1	Numerical Investigation of Thermo-Hydro-Chemical Processes in Fractured Middle Buntsandstein and Muschelkalk for Uncertainty-Driven Reservoir Management Optimization in the Upper Rhine Graben	Mohamed Abdelmoula	Track 02 - Advancements in Technology and Innovations	1000014
2	Unveiling the Crucial Challenges and Potential of Remote Sensing in Geothermal Exploration: A Case Study from the Northwest Himalayas	Mohammad Taqi Daqiq	Track 09 - Exploration and Characterization	1000117
3	Geothermal Resource Assessment in Small Volcanic Islands: The Case of the Aeolian Archipelago and the IRGIE Project	Monia Procesi	Track 09 - Exploration and Characterization	999834
4	Characterizing Flow-Channel Structures in Geothermal Systems through Integrated Thermal and Solute Tracer Tests	Mufan Qiao	Track 09 - Exploration and Characterization	239110
5	An evaluation of geothermal energy potential in South Africa using geothermal fluid chemistry	Musarrat Safi	Track 09 - Exploration and Characterization	110425
6	Induced Seismicity –IEA-Geothermal Collaboration on Mechanisms and Public Acceptability for Deep Hydrothermal and Superhot Systems	Chris Bromley	Track 12 - Communication & Public Perception	769892
7	GO-Forward: Geothermal Exploration and Optimisation Through FORWARD Modelling and Resource Development	Nadezda Meier	Track 09 - Exploration and Characterization	912036
8	Enhanced Hydraulic Fracturing of Volcanic Rocks at Elevated Temperatures Using a Biobased Reactive Fluid System	Nagi Obata	Track 02 - Advancements in Technology and Innovations	97
9	Spatiotemporal estimation of injected water migration in reservoirs from microseismicity using statistical analysis: A case study in the Okuaizu geothermal field, Japan	Naoki Aoyagi	Track 09 - Exploration and Characterization	91



## THURSDAY, JUNE 11

Time: 12:30 - 13:00

Screen	Poster Title	Presenter	Track	Poster No.
9	Spatiotemporal estimation of injected water migration in reservoirs from microseismicity using statistical analysis: A case study in the Okuaizu geothermal field, Japan	Naoki Aoyagi	Track 09 - Exploration and Characterization	91
10	De-risking Geothermal Heat Extraction from Tight Hot Sedimentary Aquifers (GEOGUARD)	Nathaniel Forbes Inskip	Track 08 - Challenges in Geothermal	115
11	Corrosion of Type 430 Stainless Steel at 250 °C in Acidic Fluids	Natsuki Hirabayashi	Track 02 - Advancements in Technology and Innovations	58
12	Capturing Water Availability and Permitting Considerations along with Enhanced Geothermal Systems Technical Potential: using an LLM with reV	Nicole Taverna	Track 02 - Advancements in Technology and Innovations	128
13	Sinopec Green Energy Geothermal Development Co., Ltd. – Progress Sharing on Geothermal Energy Development and Utilization	Xiaoqing Ren	Track 02 - Advancements in Technology and Innovations	90
14	Update of Surface Geothermal Technology	Chris Bromley	Track 02 - Advancements in Technology and Innovations	914198

## THURSDAY, JUNE 11

Time: 13:00 - 13:30

Screen	Poster Title	Presenter	Track	Poster No.
2	Understanding Thermal Dispersion in Fractured Sandstone Aquifers: New Geoenergy Observatory in Cheshire, United Kingdom	Christopher S. Brown	Track 05 - Heating & Cooling	413769
3	Experiences on using a geothermal-themed escape game to awaken STEM interest in adolescents	Nora Medgyesi	Track 12 - Communication & Public Perception	345546
4	"Geothermal energy and the heat transition: Roadmaps to unlock their potential and accelerate investments"	Kris Hopstaken	Track 11 - Policy, Regulatory, Frameworks, and Standards	914237
5	From Ground to Grid: Strategic Geothermal Development for Nigeria's Resource Ranking and Net-Zero Pathways	Ovye Musah Yohanna	Track 06 - Geothermal for Sustainable Development	999879
6	Mineralogical and Geochemical Analysis of Select Basement Cores of Alberta	Peter Bauman	Track 09 - Exploration and Characterization	999748
7	Geothermal Well Targeting and Monitoring Using Seismic Tremors from Fluid-Filled Fracture: The PFI Method	Peter Eric Malin	Track 02 - Advancements in Technology and Innovations	24022026
8	Sustainable and affordable URban Geothermal Exploration Novel Technologies and workflows, the HEU URGENT project	Virginie Harcouet-menou	Track 09 - Exploration and Characterization	1000251
9	Lowering Geothermal Well Construction Costs Through Automated Drill Bit Redesign	Pradeepkumar Ashok	Track 02 - Advancements in Technology and Innovations	1000283
10	First Successful Live Well Cleanout Using Coiled Tubing Hammer Technology in the Philippine Geothermal Industry	Ray Romey	Track 02 - Advancements in Technology and Innovations	96
11	Discrete element modeling of rock fracturing using functional fluid	Ryu Wada	Track 02 - Advancements in Technology and Innovations	999791
12	The Postgraduate Certificate Course in Geothermal Energy Technology, The Geothermal Institute, New Zealand: 2026 Update	Sadiq J. Zarrouk	Track 12 - Communication & Public Perception	1000391



## THURSDAY, JUNE 11

Time: 13:30 - 14:00

Screen	Poster Title	Presenter	Track	Poster No.
1	Deep Heat: Enabling Next-Generation Geothermal Energy for New Zealand	Saeid Jalilinasrabad	Track 08 - Challenges in Geothermal	914215
3	NiTi vs. NiTiHf Shape Memory Alloys: A Comparative Study on Stress-Induced Fracture Control for Geothermal Borehole Near Field Pre-conditioning	Shanilka Fernando	Track 02 - Advancements in Technology and Innovations	53
4	Present-day Geothermal Characterization of the East China Sea Shelf Basin	Shaowen Liu	Track 09 - Exploration and Characterization	261
5	Bridging Fracture Structures and Flow: Inferring Heat Transport Pathways from Geometry via Topological Data Analysis	Togo Hasumi	Track 02 - Advancements in Technology and Innovations	262
6	Accelerating the utilisation of low enthalpy geothermal resources to decarbonise heat: an integrated case study of Northern Ireland.	Simon Todd	Track 10 - Economics of Geothermal	1000206
7	"Unlocking the geothermal energy potential of old sedimentary systems: Linking reservoir quality, geomechanics and flow."	Skye Tisdell	Track 09 - Exploration and Characterization	116
8	Hellisheidi powerplant: Advancing Geothermal CO <sub>2</sub> Management Through Policy, Practice, and Classification	Snorri Egilsson	Track 11 - Policy, Regulatory, Frameworks, and Standards	194
9	Nationwide subsurface thermal-conductivity mapping for the assessment of the shallow geothermal potential in Germany	Tom Schintgen	Track 09 - Exploration and Characterization	912050
10	Geothermal Resource Assessment of Remote Communities in Arctic Canada	Stephen Grasby	Track 09 - Exploration and Characterization	999961
11	Surrogate models in convection-dominated fault systems: Considerations for efficient and reliable realizations	Thomas Simader	Track 09 - Exploration and Characterization	200105
12	High Temperature and Pressure Tools and Services for Geothermal Borehole Characterisation	Tae Jong Lee	Track 09 - Exploration and Characterization	209712

**HALLIBURTON**

# Innovative technologies. Industry-leading services. Decades of experience.

With more than 70 years of global geothermal experience, Halliburton has the services and technology to help mitigate risk in geothermal exploration and well construction projects.

Together, we can engineer the future of energy.



Learn more at  
[halliburton.com/  
geothermal](https://www.halliburton.com/geothermal)  
or visit us at  
Booth 525





## **WELCOME RECEPTION**

**Sunday June 7th | 5:00pm – 7:00pm**

**Location:** CTCC Exhibition Hall

Join us for the official WGC2026 Kick Off Reception in the Exhibition Hall, proudly hosted by Seequent. This opening event offers the perfect opportunity to reconnect with colleagues and build new connections with fellow delegates from around the world. Enjoy a selection of refreshments as you explore the exhibition and set the stage for an engaging and productive Congress.

All attendees are required to wear their conference badge to gain access to this and all other WGC2026 events.

## **CALGARY WESTERN NIGHT – THE OFFICIAL WGC2026 SOCIAL HIGHLIGHT**

**Wednesday June 10th | 7:00 PM – 10:30 PM**

**Location:** Nutrien Western Event Centre

**REGISTRATION IS REQUIRED!**

Please Note: Transportation will be provided from the TELUS Convention Centre starting at 6:30pm.

The Calgary Western Night is proudly co-hosted by the World Geothermal Congress 2026 and Global Energy Show Canada, bringing together the global geothermal community and the broader energy industry for one unforgettable evening of networking, celebration, and cross-sector connection.

Experience authentic Calgary Stampede atmosphere and meet hundreds of delegates outside the conference setting!

The Western social event showcases exceptional talent in bronc riding, bull riding, and barrel racing as well as First Nations hoop dancing. These high-energy events bring excitement, skill, and edge-of-your-seat action to the arena. Come relax, celebrate, and network with the global geothermal community.



**Photo Credits:  
Push the Impossible**



## **WING "BATTLE OF THE BANDS"**

**Monday June 8th | 6:30 PM – 10:00 PM**

**Location:** Offsite - Palace Theatre, 219 8<sup>th</sup> Avenue

REGISTRATION IS REQUIRED!

Join WING for an electrifying evening of live music where geothermal musicians will take the stage to rock the house! Feel energized as you spark new connections, while enjoying appetizers and refreshments at the Palace Theatre in downtown Calgary.

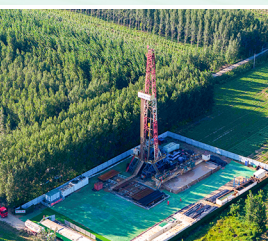
## **VOLUNTEER APPRECIATION**

**Thursday June 11th | 4:00 PM – 7:00 PM**

**Location:** Offsite - Calgary Marriott Rooftop Terrace

INVITE ONLY!

Just steps from the Calgary TELUS Convention Centre, guests will gather on the Calgary Marriott Downtown rooftop terrace for a Western themed evening. Enjoy BBQ style appetizers, rustic décor, and a photo booth, while watching authentic line dancers and joining in the fun with lively, interactive dancing. The evening promises great food, memorable photo moments, and a vibrant Western atmosphere.



CLEANER ENERGY BETTER LIFE