

13th UK Geothermal Symposium

9-11 November 2026

Leeds and Virtual

Provisional Programme

Day One	
08.30	Registration
09.00	Welcome
	Session One: Strategy, Policy & Regulation
09.15	The Resource Is Ready: A Strategy to Build a Geothermal Nation Charlotte Adams, <i>National Geothermal Centre</i>
9.30	Next-generation geothermal: global market momentum and the UK opportunity Kate Adie, <i>Wood Mackenzie</i>
9.45	Navigating England's Geothermal Regulations Diane Steele, <i>Environment Agency</i>
10.00	Governance and Regulation of HT-UTES (PUSH-IT) Margaret Stewart, <i>British Geological Survey</i>
10.15	Understanding Gender and Inclusion in the UK Geothermal Sector Rebecca Nye, <i>WING UK</i>
10.30	BREAK
	Session Two: Campus Geothermal, Cities & Heat Networks
11.10	Building a Geothermal Exemplar City Emma Bramham, <i>University of Leeds</i>
11.25	Geothermal Deployment in Greater Manchester Cathy Hollis, <i>University of Manchester</i>
11.40	CeraPhi Case Studies Karl Farrow, <i>CeraPhi Energy</i>
11.55	Deep Geothermal: Tales from a Project in Process Paul Bushnell, <i>University of York</i>
12.10	Oxford Brookes University Case Study Rachel Feeney, <i>Erda Energy</i>
12.25	Beyond the Borehole: Lessons from Szeged Richard Toy, <i>Ventossus UK</i>
12.40	LUNCH
	Session Three: Community Engagement & Social Licence
13.40	Cross-Atlantic Lessons in Community-Led Geothermal Saxon Metzger, <i>Wilmington University</i>
13.55	Community-led Geothermal in Pickering James Van Alstine, <i>University of Leeds</i>
14.10	The Heat Beneath Our Feet Rory Padfield, <i>University of Leeds</i>

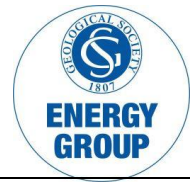
14.25	Harnessing History to Heat Homes Anna Hitchmough, <i>Envireau</i>
14.40	Geothermal Meets the Real World Richard Lane, <i>Drift Group</i>
14.55	BREAK
	Session Four: Numerical Modelling & Digital Workflows
15.35	Sketch-based Geological Modelling and Flow Diagnostics Carl Jacquemyn, <i>Imperial College London</i>
15.50	Modelling Advanced Geothermal Systems Rifky Wijanarko, <i>WSP</i>
16.05	Probabilistic Assessment of GSHC and ATES Deployments Matthew Jackson, <i>Imperial College London</i>
16.20	High-density ATES Design for Imperial College Meissam Bahlali, <i>Imperial College London</i>
16.35	Exploring Challenging Subsurface Settings for ATES Luka Tas, <i>Ghent University</i>
16.50	Long-Term Performance of Open-Loop Geothermal Heating Allegra Giblin Torlucci, <i>University of Leeds</i>
17.05	End of day one

Day Two	
08.30	Registration
08:45	Welcome
	Session Five: Minewater Geothermal & Thermal Energy Storage
09.00	Project IMPACT Fiona Todd, <i>Mining Remediation Authority</i>
09.15	Mine-Groundwater Interactions and Resource Feasibility Callum Thomas, <i>Durham University</i>
09.30	Time-dependent GEMSToolbox Difu Shi, <i>Durham University</i>
09.45	Using Heat to Characterise Groundwater Flow in a Fractured Chalk Aquifer Joseph Kelly, <i>University of Leeds</i>
10.00	Effective Thermal Conductivity of the Sherwood Sandstone Adam Booth, <i>University of Leeds</i>
10.15	BREAK
	Session Six: Fractures, Reservoir Characterisation & UK Exploration
10.55	De-risking UK Lower Carboniferous Limestone Resources Mohamed Gouiza, <i>University of Leeds</i>
11.10	Multi-scale Fracture Analysis for Cornwall Priyanka Paul, <i>British Geological Survey</i>
11.25	Seismic Anisotropy of Hengill Esme Glastonbury-Southern, <i>University of Leeds</i>

11.40	Fracture Networks and Fluid Flow in Þeistareykir <i>Aastha, University of Leeds</i>
11.55	GEMINI Integrated Geophysical Surveys <i>Michael MacKenzie, Geological Survey of Northern Ireland</i>
12.10	Imaging Aberdeen with Seismic Noise <i>David Cornwell, University of Aberdeen</i>
12.25	LUNCH
	Session Seven: Innovative Techniques, Data & Monitoring
13.25	Thermal Conductivity at Leeds Living Lab <i>Fleur Loveridge, University of Leeds</i>
13.40	Keyworth Campus Living Lab <i>David Boon, British Geological Survey</i>
13.55	Borehole Heat Flow Estimates Revisited <i>Mark Ireland, Newcastle University</i>
14.10	THERMOCAL Preliminary Findings <i>Sean Watson, University of Glasgow</i>
14.25	Making Shallow Geothermal Work: Lessons from Deep Drilling <i>Ian Farmer, Independent Drilling Consultant</i>
14.40	The Geothermal Potential of the Humber Region <i>David Peacock, University of Hull</i>
14.55	BREAK
	Session Eight: Geothermal From Around the World
15.35	Testing Geothermal Hypotheses beneath Corbetti, Ethiopia <i>Andy Nowacki, University of Leeds</i>
15.50	Trace Element Geochemistry of the Sorik Marapi Geothermal Field, Indonesia <i>Konstantin Nazarov, University of Oxford</i>
16.05	Structural Controls in the Hengill Geothermal System, Iceland <i>Brandon VanderBeek, University of Oxford</i>
16.20	Geothermal Energy Applications in Poultry Farming <i>Abdelmalek Atia, University of El Oued, Algeria</i>
16.35	Expecting the Unexpected: The Geology of the Granite City <i>Clare Bond, University of Aberdeen</i>
16.50	Closing Remarks Conference Summary & Discussion
17.05	End of day two

Posters	
The Missing Data Layer: Why Global Borefield Geometry Remains Undigitized and How Machine Learning Can Unlock Actionable Subsurface Insights <i>Tunca Alikaya, borelogger.io</i>	
MRMOLES: Mitigating Risks of Mineralisation and biofilms in Open Loop thermal Energy Systems <i>Matt Bailey, University of Plymouth</i>	

Ultra-High-Temperature Underground Thermal Energy Storage (UHT-UTES) for Large-scale, Inter-seasonal Electricity Storage Ruixiao Liu, <i>Imperial College London</i>
Interpolation-free adaptive mesh Machine-Learning Surrogate for Rapid Simulation of Aquifer Thermal Energy Storage Hadrian Fung, <i>Imperial College London</i>
Experimental Study of PET-Derived Nitrogen-Doped Carbon Quantum Dots for Tailoring Soil Thermal Conductivity and Heat Storage in Shallow Geothermal Systems Amany Aboulrous, <i>University of Bradford</i>
A multi-method analogue study of fracture-controlled geothermal reservoirs in Cornubian granite, Cornwall Samuel Grainger, <i>University of Liverpool</i>
Neuro-Algebraic Digital Twinning Approach to Predict Critical States in Abandon Mineworkings Geothermal Flow. Oleksandr Letychevskyi, <i>Heriot-Watt University</i>
Updated national-scale geothermal data and maps from the British Geological Survey Alison Monaghan, <i>British Geological Survey</i>
Measuring thermal plumes and breakthrough in mines for geothermal exploitation and thermal storage Alison Monaghan, <i>British Geological Survey</i>
Subsurface characterisation of the UK Geoenergy Observatory using borehole distributed acoustic sensing (DAS) monitoring before and during geothermal testing David Fairweather, <i>University of Leeds</i>
Three-Dimensional Characterisation of Fracture Arrays in the Leeds Geothermal Campus Borehole Core: Implications for Fluid Flow in Mechanically Layered Reservoir Analogues Renato Diamanti, <i>University of Leeds</i>
Learnings from research to date at the UK Geoenergy Observatories and how these factor into future geothermal experiment design Mike Spence, <i>British Geological Survey</i>
Mixture Density Network-based Electrical Tomography Inversion: a Rapid Probabilistic Approach for Geophysical Geothermal Monitoring Theethach Phiranram, <i>University of Leeds</i>
The GEMINI project: Tackling communications and engagement challenges in a cross-border geothermal energy project Nicola Noller, <i>RML / GEMINI</i>
History Matching an Operating Aquifer Thermal Energy Storage (ATES) System Operating in the Heterogeneous Chalk Aquifer under London, U.K. Hayley Firth, <i>Imperial College London</i>
Effective thermal conductivity of the Sherwood Sandstone, evaluated from time-lapse Electrical Resistivity Imaging Adam Booth, <i>University of Leeds</i>
Assessment of the feasibility for installation of high temperature mine thermal energy storage technologies in the Great Consolidated Mines, Cornwall: final results of the PUSH-IT Project. Poppy Edgecombe, <i>GEL</i>
An update on the operation of the United Downs Geothermal Plant, Cornwall. Poppy Edgecombe, <i>GEL</i>
The Potential for Geothermal Energy to Provide Low Carbon Heat to the Scottish Whisky Industry Callum Inglis, <i>Independent</i>



Heat When It Matters Most: Can High-Temperature Underground Thermal Energy Storage (HT-UTES) Improve UK Energy Resilience and What Role Can UKGEOS Play?

Mark Griffiths, Arup