**TALKS**

**Tuesday 13th April, 09:00 am. [Room: Stream4] SESSION 1D: Case Histories 1 -- European and Iceland**

[06017] "Development of Low Temperature Utilization and Resource Monitoring for District Heating Services in Iceland," [Steinunn Hauksdottir], Steinunn HAUKSDOTTIR, Gudni AXELSSON, Bjarni GAUTASON and Arni RAGNARSSON

[06029] "The Most Productive Low-Temperature Geothermal Production Well in Iceland/the World?" [Thorsteinn Egilson], Þorsteinn EGILSON, Unnur ÞORSTEINSDOTTIR, Guðni AXELSSON and Hjalti S. GUNNARSSON

[06009] "The Deep Hydrogeothermal Project in Holzkirchen, Molasse Basin, Germany," [Klaus Dorsch], Klaus DORSCH, David LENTSCH, Christoph NIEDERSEER, Albert GÖTZ

[06047] "From Gas to Geothermal, an Overview from the Netherlands," [Bob Harskamp], Geertjan VAN OG, Bob HARSKAMP, Volkert DE RUITER, Bastiaan VAN DER VEEN

**Tuesday 13th April, 11:00 am. [Room: Stream2] SESSION 2B: Environmental and Societal Aspects 2**

[02054] "Injection of Geothermal CO2 and H2S Gases at the Nesjavellir Site: A Pre-injection Overview," [Sandra Snaebjornsdottir], Sandra Ó. SNAEBJORNSDOTTIR, Iwona M. GALECZKA, Bergur SIGFUSSON, Eric H. OELKERS

[02056] "Numerical Modelling of Environmental Impacts of Geothermal Wastewater Disposal from a Proposed Power Plant on a Shallow Groundwater Aquifer at Bjarnarflag, NE Iceland," [Hilmar Mar Einarsson], Hilmar Már EINARSSON, Eric M. MYER, Ágúst GUÐMUNDSSON, Andri ARNALDSSON, Sveinn Óli PÁLMARSSON

[02059] "Improving Air Quality with NCG Gas Capture and Reinjection at the Hellisheidi Power Plant," [Bergur Sigfusson], Bergur SIGFUSSON, Kevin DILLMAN, Magnus Th. ARNARSON, Marta R. KARLSDOTTIR, Magnea Th. MAGNUSDOTTIR, Ingvi GUNNARSSON, Gretar IVARSSON, Sandra O. SNAEBJÖRNSDOTTIR, EDDA S.P. ARADOTTIR, Holmfridur SIGURDARDOTTIR

[02064] "Identification of Environmental Units for Geothermal Exploration Areas Using Geographic Information Systems," [Juana Claudia Leyva Aguilera], Marco A. GARCIA-ZARATE, J. Claudia LEYVA-AGUILERA, Zayre I. GONZALEZ-ACEVEDO, Sergio E. SANCHEZ-DE LOS SANTOS

[02061] "The GECO Project: Lowering the Emissions from the Hellisheidi and Nesjavellir Power Plants Via NCG Capture, Utilization, and Storage," [Nokkvi Andersen], Nökkvi ANDERSEN, Bergur SIGFUSSON, Magnus Th. ARNARSON, Sandra Osk SNÆBJÖRNSDOTTIR

**Tuesday 13th April, 13:00 pm. [Room: Stream3] SESSION 3C: Legal and Regulatory Aspects 3**

[03010] "Strategies for Fostering the Use of Shallow Geothermal Energy for Heating and Cooling in Central Europe - Results from the Interreg Central Europe Project GeoPLASMA-CE," [Gregor Gtzl], Gregor GOETZL, Gregor DILGER, Ruediger GRIMM, Karina HOFMANN, Jan HOLECEK, Radovan CERNAK, Mitja JANZA, Wieslaw KOZDROJ, Maciej KŁONOWSKI, Marek HAJTO, Paul GABRIEL, Spela GREGORIN

[03053] "Advancing Geothermal Energy in the OECS for Economic Development and Resilience," [Judith Ephraim], Judith EPHRAIM-SCHMIDT, Norma CHERRY-FEVRIER, Martin RUFENACH

[03021] "GEOTHERMICA, Increasing the Pace of Coordinated Research and Innovation in Geothermal Energy," [Gudni A Johannesson], Gudni A. JOHANNESSON, Harpa PETURSDOTTIR, Hjalti Pall INGOLFSSON, Gunter SIDIQQI, Gerdi BREEMBROEK, Sigurður BJÖRNSSON, Stephan SCHREIBER, Paul RAMSAK, Daniel Ruiz IRUELA, Alicja STOKLOSA

[03054] "Research, Development and Innovation, and Competitiveness of the Geothermal Sector in Europe," [Philippe Dumas], Philippe DUMAS, Andrea BOGI

[03045] "Keep Calm and Carry on: the Importance of Leadership and Crisis Management During a Natural Disaster: A Comparison Between Iceland and New Zealand," [Sigridur Magnea Oskarsdottir], Sigridur Magnea OSKARSDOTTIR

**Tuesday 13th April, 17:00 pm. [Room: Stream2] SESSION 5B: Environmental and Societal Aspects 5 -- Community engagement**

[02001] "Monitoring of Geothermal Vegetation in New Zealand, and the Effects of Geothermal Energy Extraction," [Sarah Beadel], Sarah BEADEL, Joanna MCQUEEN, Chris BYCROFT, Angela SIMPSON, Steve RATE, William SHAW

[02007] "Review of Environmental and Social Aspects and Best-Practice Mitigation Measures from an IEA-Geothermal Perspective," [Chris Bromley], Chris BROMLEY, Lauren BOYD, Adele MANZELLA, Kasumi YASUKAWA

**Tuesday 13th April, 21:00 pm. [Room: Stream3] SESSION 7C: Business Strategies 1 -- Developing the industry**

[08031] "Forty Years of Women in the Geothermal Sector: 1980-2020," [Karen Christopherson], Karen CHRISTOPHERSON, Bridget AYLING, Kelly BLAKE

[08006] "A Comparison of Gender-based Employment Data from the New Zealand and Iceland Geothermal Sector," [Aimee Calibugan], Aimee CALIBUGAN, Andrea BLAIR, Abbie DEAN, Kristín VALA MATTHÍASDÓTTIR, Hildigunnur THORSTEINSSON

[08029] "Accelerating the Development of Geothermal Energy in the Netherlands," [Leonora Heijnen], Leonora HEIJNEN, Melanie PROVOOST

[08034] "Modular Solutions for Turn Key Geothermal Projects – Case Study Well Doublet Lansingerland, NL," [Sebastian Homuth], Sebastian HOMUTH, Randy LOOS

[08017] "The H2020 GEORISK Project – Inventory and Assessment of Risks Associated to the Development of Deep Geothermal Heating and Power Projects," [Thomas Le Guenan], Thomas LE GUENAN, Philippe CALCAGNO, Fernanda VELOSO, Virginie HAMM, Annick LOSCHETTER, Camille MAUREL, Ferid SEYIDOV, Philippe DUMAS

**Wednesday 14th April, 01:00 am. [Room: Stream3] SESSION 9C: Business Strategies 3**

[08013] "Geo-Energy Europe: the European Strategy to Consolidate the Internationalisation of the Geothermal Industry," [Thomas Garabetian], Thomas GARABETIAN, Stephen WALSH, Emmanuelle ROBINS, Cannur BOZKURT, Ana CASILLAS, Dario BONCIANI, Virginie SCHMILDE-BLOCH, Thor NOEVIG, Ferenc FEDOR

[08009] "How Japan Can Treble Growth in Geothermal Power ~ a Study Focusing on the Importance of the Local Community in Comparison with Success in New Zealand," [Yoshifumi Imamura], Yoshifumi IMAMURA

[08025] "“On the Rocks” – Exploring Business Models for Geothermal Heat in the Land of Scotch," [David Townsend], David H TOWNSEND, John DA NAISMITH, Philip J TOWNSEND, Michael G MILNER, Uisdean T FRASER

[08022] "Feasibility Studies for Geothermal Projects," [Bjarni Palsson], Bjarni PALSSON

[08015] "Geothermal Economic Development and Opportunities in Zambia: Five Forces Model Approach," [Agnelli Kafuwe], Agnelli KAFUWE

POSTERS

**Wednesday 14th April, 08:00 am.**[Room: Stream1] **SESSION 4P: Poster 1**  
**Chair: Roland Horne**

**[01107] "United Kingdom Country Update," *[Tony Batchelor]***,**Tony BATCHELOR, Robin CURTIS, Jonathan BUSBY** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=6958)]

**[02010] "Reinjection of CO2 in Geothermal Fields," *[Niyazi Aksoy]***,**Niyazi AKSOY, Ozge Solak GOK, Halim MUTLU, Gizem KILINC** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=4868)]

**[02072] "Main Risks Related to Deep Geothermal Energy in the World," *[Philippe Gombert]***,**Philippe GOMBERT, Franz LAHAIE, Auxane CHERKAOUI, Isabelle CONTRUCCI, Francesca DE SANTIS** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=5611)] (Reserve in Session 55A)

**[03008] "Geothermal Is the Best Choice of Cleaning Energy for Winter District Heating," Zihui CHEN, Keyan ZHENG** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=4897)]

**[04010] "Financial Feasibility Assessment of a Wellhead Geothermal Power Plant at Nevado del Ruiz Volcano in Colombia," *[Joaquin Pablo Aguilera Bustos]***,**Pablo AGUILERA, José Luis HENRIQUEZ** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=5205)]

**[04014] "The Economic Case for Geothermal District Heating for Residential and Industrial Applications in Europe - an LCOH Analysis," *[Kai Imolauer]***,**Benjamin RICHTER, Manuel THOM, Maria UELTZEN, Kai IMOLAUER** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=5483)]

**[05009] "Mechanisms for Activating Applications of Geothermal Energy in Achieving Sustainable Development," *[Ramzi Murshed]***,**Ramzi Hazza Abdullah MURSHED** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=4996)]

**[05010] "Guidelines for Geothermal Energy Development Technology," *[Tianshu Li]***,**CAO Yaofeng, ZHAO Fengnian, LI Tianshu, GONG Hao** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=5421)]

**[05011] "Design and Evaluation of Small Wind Turbine Driven Earth to Air Heat Exchanger System for Heating Greenhouses in Izmir, Turkey," Leyla OZGENER Onder OZGENER** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=7260)]

**[05014] "An Energy Systems Perspective on the Life Cycle Assessment of Geothermal Heating Networks," *[Marc Jaxa-rozen]***,**Marc JAXA-ROZEN, Astu Sam PRATIWI, Evelina TRUTNEVYTE** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=7389)]

**[05030] "Comprehensive Greenhouse Model for Demand Simulation and Design of Geo-Solar Energy Supply System Based on Geothermal and Solar Energy," *[Hossein Yousefi]***,**Hossein YOUSEFI, Kianoush CHOUBINEH, Tohid JAFARINEJAD, Mohammad SALEHI, Amir Hossein FATHI** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=6000)]

**[05031] "Institutionalizing Resiliency Programs for Geothermal Operations in Disaster-Prone Areas: A Case Study of the Tiwi Geothermal Field," *[Elvin Marcelo]***,**Edith Louise BATAC, Jonathan VIZON, Erwin VARGAS** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=5849)]

**[06014] "Utilization of Ground Water Directly for Space Heating Application Using Heat Pump- Demonstration and Case Study of Dehradun, India," Rajinder BHASIN, Vijay CHAUHAN, Sander JACOBSEN** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=4971)]

**[07004] "How Did Turkey Succeed in Raising Public Awareness and Environmental Protection Along with Geothermal Developments," *[Hakan Sahiller]***,**Hakan Alp SAHİLLER, Reyhan Nergis ÖNER, Ural HALAÇOĞLU** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=4823)]

**[07006] "Public Perception of Geothermal Energy at the Local Level in the UK," *[Cees Willems]***,**Cees Jan Leonardus WILLEMS, Olivier EJDERYAN, Robert WESTAWAY, Neil M. BURNSIDE** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=5639)]

**[07009] "Public Engagements with Induced Seismicity: Lessons for Geothermal Energy in the UK’s Net-Zero Transition," Owen KING** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=7399)] (Reserve in Session 49A)

**[07055] "The Present and Future Role of Geothermal in the Energy-Mix in Rural Iceland: A Case Study from NE-Iceland," *[Otto Eliasson]***,**Gunnlaug H. ÁSGEIRSDÓTTIR, Guðmundur H. SIGURÐARSON, Sigurður I. FRIÐLEIFSSON, Sunna GUÐMUNDSDÓTTIR, Bjarni GAUTASON** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=6763)]

**[09016] "Pop-Up Experiences to Engage Youth Audiences with Geothermal," *[Sofia Otero]***,**Sofía OTERO, Luz FARIÑA** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=5204)]

**[09024] "Education and Community Outreach Programmes at the United Downs Deep Geothermal Power Project, Cornwall, UK," *[Lucy Cotton]***,**Lucy COTTON, Jane CHARMAN, Suzie DOE, Peter LEDINGHAM** [[Abstract](https://pangea.stanford.edu/ERE/db/WGC/Abstract.php?PaperID=5672)]