

24 & 25 November 2020

Online

Final Public Conference

Join DESTRESS for its final public conference on 24 and 25 November 2020! The online event is open to everyone interested in geothermal energy, related business cases and risk assessments, stimulation treatments, public acceptance of geothermal projects and demonstrated workflows.

Programme

24 November 2020

13:00 - 13:10 Welcome by Prof. Dr. Ernst Huenges (GFZ)

Session I: Risk Assessments and Business Cases

13:10 - 13:30 Keynote Speech: "A Perspective on Geothermal Risks"
by Ann Robertson-Tait, GeothermEX (USA)

13:30 - 13:50 DESTRESS Talk: "Impact Analysis of Soft Stimulation on the Techno-Economic Performance of a Geothermal Power Plant Considering Risk Factors" by Elif Kaymakci (ENBW)

13:50 - 14:10 DESTRESS Talk: "Updating Geothermal Risk Assessment on Near Realtime During a Soft Stimulation Experiment in Iceland" by Dr. Francesco Grigoli (ETH)

Break

Session II: Soft Stimulation Treatments

14:20 - 14:40 Keynote Speech: "St1 Deep Heat Project: Hydraulic stimulation at 5-6 km depth in crystalline rock, hydraulic properties and lessons learnt" by Prof. Dr. Ilmo Kukkonen, University of Helsinki (Finland)

14:40 - 15:00 Keynote Speech: "Effects of Reinjection of Greenhouse Gases on the Sustainability and Stimulation of Geothermal Reservoirs" by Dr. Eylem Kaya, University of Auckland (New Zealand)

15:00 - 15:20 DESTRESS Talk: "Hydraulic Soft Stimulation Treatment of Well RV-43 in October 2019 in Reykjavik" by Dr. Hannes Hofmann (GFZ)

Break

16:00 - 16:20 DESTRESS Talk: "Approach to Avoid and Treat Injection Problems: Lessons learnt" by Dr. Maren Brehme (TUD)

16:20 - 16:40 DESTRESS Talk: "Soft Chemical Stimulation of GPK-4 (Soulz-sous-Forêts)" by Régis Hehn (ESG)

Session III: Public Acceptance of Geothermal Projects

16:40 - 17:00 Keynote Speech: "Risk Communication and Citizen Preferences for Deep Geothermal Systems" by Prof. Dr. Evelina Trutnevyte, University of Geneva (Switzerland)

17:00 - 17:20 DESTRESS Talk: "The Social Life of Geothermal Energy Projects: Understanding Project Acceptance and Rejection" by Olivier Ejderyan (ETH)

25 November 2020

Session IV: Demonstrated Workflows

- 09:00 - 09:20 Keynote Speech: "United Downs Deep Geothermal Power Project"
by Dr. Ryan Law, Geothermal Engineering Ltd. (England)
- 09:20 - 09:40 DESTRESS Talk: "Pulse Testing in Geothermal Energy Applications"
by Dr. Peter Fokker (TNO)
- 09:40 - 09:50 Introduction into Poster Sessions

Break

- 10:00 - 12:00 Parallel Poster Sessions:

I: Business Cases, Risk Assessments and Workflows by Dr. Jan-Diederik van Wees (TNO) and Dr. Albert Genter (ESG)

- **Elif Kaymakci:** "Cost Accounting and Business Case Calculation Model"
- **Elif Kaymakci:** "Risk Mitigation Assessment"
- **Jan Hennings:** "Technical Performance Monitoring for Validation and Control"
- **Albert Genter:** "Regulatory Framework for Geothermal Seismicity Monitoring and Insurance Scheme in Stimulation and Operation Phases"
- **Vincent Maurer:** "Synergies and Standardisation: O&G / Geothermal"
- **Christofer Friberg:** "4th Leg Generation Geothermal for Smart Viable Cities"

II: Hydraulic Stimulation Treatments by Prof. Ki-Bok Min (SNU) and Dr. Peter Meier (GES)

- **Pu Li:** "Influence of Cyclic Normal Stress on Shear Friction of EGS Granite Fractures"
- **Marton Farkas:** "Hydromechanical Analysis of Cyclic Hydraulic Stimulation in Pohang Fractured Geothermal Reservoir, South Korea"
- **Hwajung Yoo:** "The First Two Hydraulic Stimulations in the Pohang Geothermal Development Site, South Korea: Field Observations and Numerical Modeling"
- **Raymi Castilla:** "Hydraulic Tests Carried Out in Two Boreholes in the Bedretto Underground Laboratory for Geoenergies (BULG)"
- **Raymi Castilla:** "Structural Characterisation of the Bedretto Underground Laboratory (BULG)"

III: Chemical Stimulation Treatments & Social Perception Studies by Prof. Dr. Gioia Falcone (UoG) and Dr. Simona Regenspurg (GFZ)

- **Nicolas Cuenot:** “GPK-4 Chemical Stimulation During Exploitation, Monitoring and Efficiency”
- **Suheun Lee:** “Public Perception of Geothermal Power Plant in South Korea”
- **Philippe Chavot:** “Public Perception of Geothermal Projects in Alsace: Between Energy Transition and Territorial Rooting”
- **Yeny Serrano:** “Local Newspaper Framing of Deep Geothermal Projects in Alsace, France (2002-2020): News Narratives at the Service of Promoters?”
- **Yann Lucas:** “Modeling the Evolution of Mineralogy in the EGS Geothermal System of Soultz-sous-Forets”
- **Alexandra Kushnir:** “The Potential for Acid Stimulation of a Deep Geothermal Reservoir: An Experimental Investigation”
- **Guido Blöcher:** “Simulation of the Coupled Processes”

Lunch break

- 13:00 - 13:20 Lessons learnt: Chemical Stimulation Treatments by Prof. Dr. Gioia Falcone (UoG)
- 13:20 - 13:40 Lessons learnt: Hydraulic Stimulation Treatments by Prof. Dr. Günter Zimmermann (GFZ)
- 13:40 - 14:00 Lessons learnt: Business Cases, Risk Assessment, Acceptance Issues by Dr. Albert Genter (ESG)

Break

- 14:10 - 14:25 Lessons learnt: Workflows by Dr. Jan-Diederik van Wees (TNO)
- 14:25 - 14:50 Outlook: Bedretto (Forge) by Dr. Peter Meier (GES); Groß Schönebeck by Dr. Hannes Hofmann (GFZ); MEET by Dr. Albert Genter (ESG)
- 14:50 - 15:00 Final remarks and closing by Prof. Dr. Ernst Huenges (GFZ)

Find detailed information on www.destress-2020.eu
Please take into account that changes to the programme are possible.

