



Geothermal Innovation Days 2024 – Munich, Germany

Agenda

Thursday, November 21, 2024

9:30 to 20:30 – Full Conference and Networking Dinner

Venue: Hotel NH München Ost Conference Center: [Einsteinring 20, 85609 Aschheim, Germany](#)

9:00 – 9:30 Registration and Welcome

9:30 – 9:35 [Welcome by the ETIP Geothermal President, Luca Xodo](#)

9:35 – 9:50 [Keynote about Making impact with innovation: case of Dutch and R&I](#)

[Innovation](#), Jan Diederik van Wees, TNO

9:50 – 11:00 | Session 1 – Bring Innovation to the Market

Moderator: Luca Xodo, ETIP Geothermal President

Report on innovation trends	Philippe Dumas, EGEC and Katrin Kieling, GFZ Potsdam
Increasing the scale of the next generation of geothermal projects, through innovation on AGS/EGS and ORC systems	Davide Toselli, TURBODEN
Producing carbon neutral lithium from geothermal brines in Europe	Norbert Pralle, Vulcan Energy Resources
Corrosion Resistant Potted Electrical Submersible Pump & Completion System	Francesco di Credico, Baker Hughes
Geothermal innovation with Exergy's radial outflow turbine orc technology	Sylvain Brogle, Exergy
	Q&A Session



Geothermal Innovation Days 2024 – Munich, Germany

11:00 – 11:30 | Coffee Break

11:30 – 12:10 | Session 2 – Funding research and innovation

Moderator: Philippe Dumas, ETIP Geothermal Secretariat

Financial support to innovation	Gerdi Breembroek, IWG geothermal
Other funding opportunities	Giulia Cittadini, EGEC
Funding innovation: Eavor-Loop™ Power Plant at Geretsried	Robert Winsloe, EAVOR Technologies

12:10 – 13:10 | Session 3 – Review on R&I on drilling technologies

Moderator: Florian Mercier, ETIP Geothermal Working Group Leader

The Development of Sensors and Electronics for Drilling Above 200°C	John Clegg, Hephæe Energy Technology
From digital twins to well execution & Carbon negative power generation	Alejandro Schiuma, Enovate.Ai
Drilling Technology Developments at the Rijswijk Centre for Sustainable Geo-energy (RCSG)	Andreas Reinicke, TNO
Micro logging tool for improved geothermal well and reservoir production	Volker Wittig, Fraunhofer IEG
O&G Drilling technologies transition to geothermal – US shale gas experience	Florian Mercier, H&P (Helmerich & Payne)

13:10 – 14:10 | Fresh Lunch



14:10-15:30 | Session 4 – Review of R&I on geothermal technologies

Moderator: Jan Diederik van Wees, ETIP Geothermal Working Group Leader

Drilling technologies - continuation

Innovative laser drilling for deep geothermal heat exchangers: the advances of the DeepU Project	Luc Pockelè, RED
DTH Drilling - 2000 m deep energy wells - 20 m/h progress	Ari Kuhalampi , Geomachine Oy
Choose your own path. The application of Multiple Activation Circulation Subs in SplitFlow mode to increase total flow rates while drilling	Jake Steele, Schoeller-Bleckmann (DSI)
Good practice of collaboration with O&G companies on development of innovative drilling technologies	Matus Gajdos, GA Drilling
ORCHYD: Theory to Lab - Journey of developing a deep geothermal drilling tool	Naveen Velmurugan, ARMINES/ Mines Paris
Geothermal drilling projects - Optimizing drilling rig technology and drilling processes	Ulrich Hahne, Herrenknecht Vertical GmbH

Exploration technologies

URGENT EU Project	Matsen Broothaers, VITO
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15:30 – 16:00 | Break



Geothermal Innovation Days 2024 – Munich, Germany

16:00-17:30 | Session 4 – continuation

Moderator: Adele Manzella, ETIP Geothermal Working Group

Exploration technologies

Advanced geothermal systems and specific applications in the exploration geophysics	Angelo Piasentin, GeoNeurale
Innovative, user-friendly computational tools supporting the management and development of geothermal fields	Beata Kępińska, Mineral and Energy Economy Research Institute, Polish Academy of Sciences (MEERI PAS), and Aleksandra Kasztelewicz, IGSMiE PAN
White hydrogen associated with geothermal resources	Bruno Gomes, Sinergeo

Production and Storage solutions

PUSH-IT EU Project Storage and CRM-geothermal - raw material extraction from geothermal fluids	Katrin Kieling, GFZ Potsdam
Digital Twin of Geothermal Plants	Jan Diederik van Wees, TNO
Diverse applications of adjustable flow rates in closed loop geothermal well solutions	Kim Gunn Maver, Green Therma
Showcasing the FlexGeo EU Project	Aaron Wesemann, Technical University of Munich
Geothermal heat storage: from R&I to commercial application	Thorsten Hörband, SWM
GEOSYN EU Project	Dario Bonciani, COSVIG

Market uptake

Why should Oil + Gas go Geothermal?	Henning von Zanthier, Von Zanthier & Dachowski
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Geothermal Innovation Days 2024 – Munich, Germany

17:30 – 18:00 | Conclusions of the day

The contribution of EERA JP Geothermal to “Act, Align, Accelerate” research and innovation of geothermal technologies	Adele Manzella, CNR
ETIP geothermal: next activities	Luca Xodo, ETIP geothermal Chair

19:00 to 20:30 – Networking Dinner

Friday, November 22, 2024

Site Visit at Eavor-Loop™ Power Plant at Geretsried

The Eavor-Loop™ is a cutting-edge geothermal power plant that operates with a closed-loop system. In an underground heat exchanger, a heat medium circulates in the deep rock, completely independent of external water sources.

Registration for site visits is exclusively available to event attendees due to limited space.

GROUP 1:

Meeting Point: Hotel NH München Ost Conference Center: [Einsteinring 20, 85609 Aschheim, Germany](#)

At: 8:30

Site Visit: from 9:30 to 10:30 circa.

Returning to : Hotel NH München Ost Conference Center: [Einsteinring 20, 85609 Aschheim, Germany](#)

At 11:30

GROUP 2:

Meeting Point: Hotel NH München Ost Conference Center: [Einsteinring 20, 85609 Aschheim, Germany](#)

At: 10:30

Site Visit: from 11:30 to 12:30 circa.

Returning to : Hotel NH München Ost Conference Center: [Einsteinring 20, 85609 Aschheim, Germany](#)

At 13:30

➔ Participants are required to bring their own ID or passport.