



6<sup>TH</sup> OCTOBER, 2025



14:00-16:30 (CET)



## FINAL CONFERENCE

WE INVITE YOU TO **JOIN US** AT THE FINAL CONFERENCE OF THE DEEPU PROJECT, IN CONJUNCTION WITH THE EUROPEAN GEOTHERMAL CONGRESS (EGC 2025) IN ZÜRICH

THE EVENT IS FREE OF CHARGE AND REQUIRES NO PRE-REGISTRATION, UP TO 50 SEATS

THIS IS AN IN-PERSON EVENT

### LOCATION AND INFO

Vortragsaal 1, Zurich Congress Hall,  
Zurich Convention Centre (Kongresshaus Zürich), Gotthardstrasse 5, 8002 Zurich, Switzerland

EGC registration is not required to join this event

The EGC Welcome Reception will take place nearby, shortly after this event, and will require the EGC registration ticket

### AGENDA

- 13:30 – 13:40 Welcome and Introduction, **Luc Pockelé**, RED srl, the DeepU Project Coordinator
- 13:40 – 14:00 Origin and initial activities, **Arno Romanowski**, Prevent GmbH
  - The concept and its origins
  - Selection of the cryogenic gas
  - First drill string prototypes
- 14:00 – 14:30 Research activities at Fraunhofer-IAPT, **Olaf Steinmeier**
  - Laser and gas processing head
  - Experimental set-up
  - Test campaign learnings
  - U tube realization
- 14:30 – 15:00 Laser drilling/rock interactions, **Pawel Slupski**, Univ. of Padua
- 15:00 – 15:30 Coffee Break**
- 15:30 – 16:00 Research activities at Wroclaw Univ. of Science and Technology, **Maciej Chorowski** and **Zbigniew Rogala**
  - Process simulation model and Supercritical N<sub>2</sub> operating mode
  - Drill string design challenges and solutions
  - Laboratory validations: Pneumatic transport, Drill string design
- 16:00 – 16:15 Regulatory, environmental, health and safety, **Ric Pasquali**, GeoServ
  - Legislation, regulations and standards
  - Failure mode and effects analysis, **Kevin Mallin**, GeoServ consultant
  - Deployment strategy and EHS recommendations
- 16:15 – 16:30 Closed loop systems modeling
  - Introduction and Co-axial model simulations, **Antonio Galgaro**, Univ. of Padua
  - Radiator model and comparison with conventional type, **Giordano Montegrossi**, CNR-IGG
- 16:30 – 16:45 Exploitation planning and IPR, **Luc Pockelé** and **Nicola Mutinelli**, RED srl
  - Drilling costs SoA vs DeepU
  - Exploitation scenario's
  - IPR management
- 16:45 – 17:00 Q&A from audience

For more information on DeepU, visit our website or contact us



[info@deepu.eu](mailto:info@deepu.eu)



[www.deepu.eu](http://www.deepu.eu)