



INVITATION TO GEOENERGY 2023, JUNE 5 - 6, 2023 BERGEN

The Norwegian Center for Geothermal Energy Research CGER partners invite you to GeoEnergy 2023 Conference June 5th - 6th at Nygårdsporten in Bergen. The conference is open for everyone interested in geothermal energy use and its role in renewable-based energy systems.

Geothermal energy can play an important role in our energy system. Three possibilities include:

- Heat extracted from hot sources with heat used either directly or to produce electricity.
- Heat extracted from warm sources integrated with heat pumps for heating and cooling purposes thereby reducing electricity consumption.
- Geothermal solutions for heat energy storage filling the gap between when energy is produced to when needed.

PROGRAM

The program comprises four sessions with a wide range of experts sharing knowledge, experience, and perspectives.

Session 1 – Geothermal energy use and energy system integration: Utilizing the energy system approach to match surface energy needs with local geological possibilities and technological solutions to provide energy services at low costs.

Session 2 - Drilling and well operations for geothermal use: Recent technological advances to meet geothermal energy extraction challenges. Drilling is the key cost element hindering large scale utilization.

Session 3 - Pricing mechanisms and regulatory framework: How are mature and ready-for-market geothermal solutions deployed in the Nordic countries? What political framework and pricing mechanisms can be implemented to nurture further growth?

Session 4 - Subsurface exploration, stimulation and optimal operation: Developments in these areas are crucial for assessing potential sites, planning operations and for reducing the overall cost of geothermal projects.

The [conference program](#) includes panel discussions and great networking opportunities.

DATE:	TIME:	VENUE:
June 5 - 6, 2023	Whole day	Nygårdsporten, Nygårdsgaten 114, Bergen
PARTICIPATION FEE - all prices include tax		
CGER Network partners NOK 3 250 full two-day conference	All others NOK 4 250 full two-day conference	Participation fee includes: Lunch both days and conference dinner
CONFERENCE LANGUAGE	CONTACT	
English	Anders Nerموen, Tel: +47 97 65 82 19, aner@norceresearch.no	

Registration deadline 22 May 2023 - [Registration link](#)

Come join us for two exciting days in the lovely city of Bergen!



MONDAY 5 JUNE	
09:00 - 09:30	REGISTRATION AND COFFEE
09:30 - 10:00 OPENING SESSION	
WELCOME AND OPENING REMARKS Fionn Iversen, Chief Scientist, NORCE	
ROLE OF GEOTHERMAL ENERGY IN A RENEWABLE BASED ENERGY SYSTEM - A ROLL-OUT ALSO IN NORWAY? Anders Nermoen, Senior Researcher, CGER/NORCE	
10:00 - 12:00	SESSION 1: SURFACE USE AND ENERGY SYSTEM INTEGRATION Moderator: Kirsti Midttømme, Chief Scientist, NORCE
POTENTIAL FOR HEAT ENERGY AND GEOTHERMAL SOLUTIONS IN THE NORWEGIAN ENERGY SYSTEM Randi K Ramstad, Consultant, Asplan Viak / Associate Professor II, NTNU	
EXPERIENCES OF THE INSIDE PROJECT FROM STADTWERKE MUNCHEN AND HELSINKI Karl Seyberth, Erdwerk	
10:50 - 11:20	COFFEE BREAK
NATIONAL PROJECT POTENTIAL FOR HEAT ENERGY SOLUTIONS WITH DEEPER ENERGY WELLS Thor Erik Musæus, CEO, Geothermal Energy Nordic GTML	
HIGH TEMPERATURE SEASONAL STORAGE FURUSET - DESIGN, ECONOMICS AND ENVIRONMENTAL IMPACT Robbert van de Ven, Hydrogeologist, SWECO	
12:00 - 13:00	LUNCH
13:00 - 15:45 SESSION 2: DRILLING AND WELL OPERATIONS - MEETING THE GEOTHERMAL CHALLENGES Moderator: Christian von der Ohe, RD&I Manager, GCE NODE	
GEOTHERMAL DRILLING AND OPPORTUNITIES - CANADA Roman Shor, Associate Professor, University of Calgary	
ROLE OF GEOTHERMAL IN THE EUROPEAN UNION Rodrigue Freifer, Project Manager, German Center for High Performance Drilling and Automation - Drilling Simulator Celle	
14:00 - 14:30	COFFEE BREAK
DRILLING CAPACITIES FOR GEOTHERMAL SYSTEMS Alberto Amuzzoni, Research and Development Manager, Drillmec	
GEOENERGY, AN UNTAPPED AND NEEDED SOURCE OF CLEAN ENERGY! Atle Nottveit, Director New Energy, Nordic Countries, SLB	
DEMONSTRATING AUTONOMOUS DRILLING SYSTEMS Rodica G Mihai, Senior Researcher, NORCE and Per Simensen, Senior Project Manager, Ullrigg Test Center, NORCE	
SUMMARY DAY 1 Fionn Iversen, Chief Scientist, NORCE	
16:00 - 17:00	CGER GENERAL ASSEMBLY
18:00 - 21:00	CONFERENCE DINNER



TUESDAY 6 JUNE	
08:00 - 08:30	REGISTRATION
08:30 - 08:45	
08:30 - 08:45	OPENING DAY 2 Anders Nerموen, Senior Researcher, NORCE
08:45 - 11:15	
08:45 - 11:15	SESSION 3: POLITICS, PRICING MECHANISMS AND REGULATORY FRAMEWORK Moderator: Roar Nybø, Senior Business Developer, SINTEF
NORWEGIAN MINISTRY OF PETROLEUM AND ENERGY Andreas Bjelland Eriksen, State Secretary	
REGULATORY FRAMEWORK AND PRICING MECHANISMS THAT ENSURE BEST ENERGY SOLUTIONS - FOR THE ENVIRONMENT, SOCIETY AND FUTURE ENERGY SYSTEM Arnfinn Nilsen, Advisor, Green Warriors of Norway	
THE ROLE OF FINANCING IN THE ROLL-OUT OF GEOTHERMAL SOLUTIONS Solveig Espedal Sundsdal, Senior Associate, Nysnø	
09:40 - 10:10	COFFEE BREAK
MARKET DEVELOPMENT, PROJECT DEVELOPMENT, FUNDING AND PARTNERSHIP Emil Martini, Policy Associate, European Geothermal Energy Council EGEN	
EXPERIENCE FROM THE NORDICS - DIFFERENCES AND SIMILARITIES IN THE NORWEGIAN, SWEDISH AND FINNISH MARKETS Karl-Erik Fredriksen, Country Manager, and Lasse Isaksen, Head of Heating and Cooling Business Unit, Rototec	
PANEL DISCUSSION Moderator: TBA	
11:15 - 12:15	LUNCH
12:15 - 14:45	
12:15 - 14:45	SESSION 4: SUBSURFACE EXPLORATION, STIMULATION AND OPERATION Moderator: Fionn Iversen, Chief Scientist, NORCE
PERSPECTIVES ON STIMULATING DEEP GEOTHERMAL SYSTEMS Kerstin Müller, Vice President Business Development, Fishbones	
ENERGY SYSTEM MODELING AND THE CONNECTION BETWEEN ELECTRIC AND HEAT ENERGY SYSTEMS Sturla Sæther, Chief Engineer, Equinor	
DERISKING GEOTHERMAL ENERGY BY DIGITALIZATION: A FRAMEWORK FOR MODELLING AND OPTIMIZATION OF UNDERGROUND THERMAL ENERGY SYSTEMS Øystein Klemetsdal, Research Scientist, SINTEF	
13:15 - 13:45	COFFEE BREAK
TRACERS FOR GEOTHERMAL APPLICATIONS Sissel Opsahl Viig, Senior Researcher, and Mario Silva, Research Scientist, Institute for Energy Technology IFE	
EXPERIENCE FROM THE KVITEBJØRN OPEN LOOP THERMAL STORAGE SYSTEM IN TROMSØ Eivind Bastesen, Structural Geologist, Ruden	
3 PhD STUDENT PROJECTS University of Bergen and University of Stavanger	
14:45 - 15:00	SUMMARY AND CLOSING REMARKS Anders Nerموen, Senior Researcher, CGER/NORCE