



# European Geothermal Ph.D Days 2024

## Operational Document

**EGPD2024 COMMITTEE**

**DELFT, THE NETHERLANDS**

**June 18, 2023**

## Executive Summary

This is the operational document of **the 15th European Geothermal Ph.D Days** (EGPD 2024), produced by the organisation committee of EGPD 2024.

The 15th European Geothermal Ph.D Days will take place in **April 2024**, in **Delft, the Netherlands**. This event serves as a platform for young researchers (Ph.D candidates) in the geothermal energy sector across the whole Europe to share their projects, exchange knowledge, and foster collaborations. This operational document outlines the key aspects and strategies for the successful planning and execution of the upcoming EGPD 2024, providing a comprehensive overview of the committee's roles, responsibilities, and objectives, ensuring the event's success and positive impact on the geothermal community.

## Organising Committee



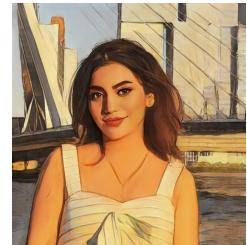
Tessel Grubben



Thijs van Esch



Parvin Kolah Kaj



Eli Kamel Targhi



Wen Luo



Josselin Ouf



Stijn Beernink



Entela Kane

Organising Committee of EGPD 2024  
Delft, the Netherlands  
June, 2023

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## I Introduction

### 1.1 What is European Geothermal Ph.D Days ?

Europe is transitioning towards cleaner energy resources to establish a sustainable, reliable, and affordable energy system. Geothermal is critical for this transition since it provides a flexible baseload renewable source of energy. The challenges of sustainable geothermal operations require an interdisciplinary approach. Combining geoscientific and engineering solutions is essential for innovation at operational sites. Therefore, it is necessary to train the next generation of geothermal experts in order to develop and exploit the geothermal projects of tomorrow.

The European Geothermal Ph.D Days (EGPD) is a three-day conference organised by and for Ph.D students from universities across the whole Europe. Each year, a different group of Ph.D students from one or several European universities organised this event, providing an efficient way for young specialists to spread and exchange scientific knowledge related to geothermal energy. It emulates youth interested in geothermal energy and provides a framework to make connections in a qualitative way. It provides a dedicated and informal occasion for the Ph.D students to exchange with their peers and to develop their networks. The event is always kindly sponsored by our geothermal industry counterparts, and therefore interaction between Ph.D students and industry partners is also a key component.

### 1.2 The history of EGPD

The first European Geothermal Ph.D-day (EGPD2010) was held at the Helmholtz Centre Potsdam GFZ - German Research Centre for Geosciences - on February 12, 2010, as an initiative of the European Energy Research Alliance (EERA) joint program in geothermal energy. After 14 versions of the EGPD, now it attracts more than 80 participants each year.

Edition	Date	Host Institution / Host City	Country
1st	Feb. 2010	Helmholtz Centre Potsdam GFZ	Germany
2nd	Mar. 2011	Reykjavík University	Iceland
3rd	Mar. 2012	Pisa	Italy
4th	May. 2013	University of Szeged	Hungary
5th	Apr. 2014	Darmstadt University of Technology	Germany
6th	Feb. 2015	Delft University of Technology	Netherlands
7th	Feb. 2016	University of Bari	Italy
8th	2017	Ruhr-University Bochum	Germany
9th	Mar. 2018	ETH Zurich	Switzerland
10th	Feb. 2019	Helmholtz-Centre Potsdam	Germany
11th	Feb. 2020	Pamukkale University	Turkey
12th	Feb. 2021	CY Cergy Paris Université & Université de Neuchâtel	France & Switzerland
13th	Apr. 2022	RWTH Aachen	Germany
14th	Apr. 2023	Uni. Glasgow, Uni. Strathclyde /& Uni. Edinburgh	UK

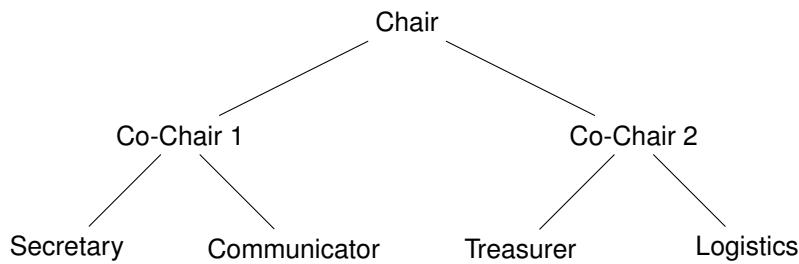
### 1.3 EGPD 2024

After 8 years, a group of Ph.D students working on geothermal energy at TU Delft brings back the EGPD to the Netherlands, a country where geothermal energy has been widely used for direct utilisation. A previous edition (the 6th EGPD) was hosted in Delft in 2015. This time, with both the DAP geothermal well, a on-campus scientific geothermal doublet being drilled, and anticipated on-campus HT-ATES system (PUSH-IT), the TU Delft will be the most interesting host institution for 2024.

## 2 Committee Structure and Roles

The organizing committee consists of eight enthusiastic PhD students working on geothermal energy at Delft University of Technology, two of whom were also organising committee members of EGPD 2022 (Wen & Josselin). The students are affiliated to the Department of Geoscience & Engineering and/or the Department of Water Management of TU Delft.

Organising EGPD is a challenging task, considering the great events that have been held by our previous counterparts. Therefore, our group makes a clear structure of the committee to achieve the best efficiency yet promise a well-prepared event for all participants. The structure of the organising committee is described below:



**Chair: Tessel Grubben**



The role of our Chair, Tessel, is to provide leadership and oversight in planning and executing the EGPD 2024. She is expected to oversee the development of the conference schedule and ensure that it aligns with the conference objectives. Also, she has to ensure effective communication and collaboration among committee members to guarantee that tasks are completed on time and within budget.

**Co-Chair 1: Josselin Ouf**



The role of the Co-Chair 1, Josselin, is to provide support to the Chair and the Secretary & the Communicator wherever needed. He also shares responsibilities in various aspects of conference organization.

**Co-Chair 2: Entela Kane**



The role of the Co-Chair 2, Entela, is to provide support to the Chair and the Treasurer & the Logistics wherever needed. She also shares responsibilities in various aspects of conference organization.

**Secretary: Thijs van Esch**

The role of the Secretary, Thijs, is to provide administrative and organizational support to the committee and ensure smooth communication and documentation throughout the conference planning process. His main tasks are documentation and archiving, communication, scheduling and coordination.

**Communicator: Wen Luo & Eli Kamel Targhi**

The role of the Communicators, Wen & Eli, is to handle external communication and promote the conference to various stakeholders. The Communicator plays a crucial role in disseminating information, raising awareness, and engaging the target audience (including potential sponsors and participants). Thus, Wen & Eli will work together to manage the social accounts (including Twitter and LinkedIn), build the website of EGPD 2024, and promote EGPD 2024 wherever possible.

**Logistics: Stijs Beernink**

The role of the Logistics, Stijs, is to handle all aspects related to planning, coordination, and execution of logistical operations. Stijs has to ensure that the necessary resources, facilities, and services are available to support the smooth running of the conference, including venue selection and reservation, catering and refreshments, exhibitions and posters, health and safety (regarding the arranged field visit if any), waste management and on-site support.

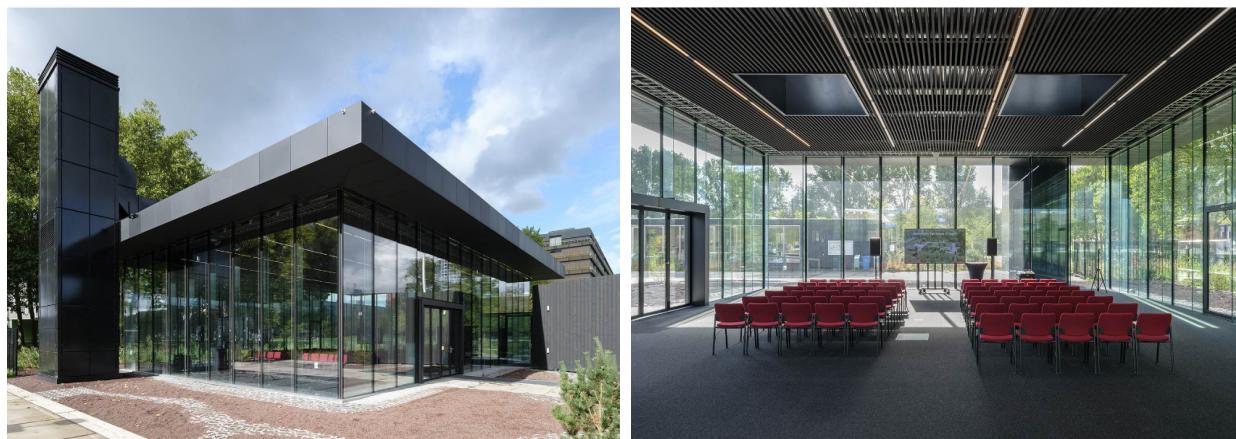
**Treasurer: Parvin Kolah Kaj**

The role of the Treasurer, Parvin, is to handle all financial matters related to the event. Parvin is responsible for managing the conference budget, securing sponsorships & fundraising for the EGPD 2024, ensuring financial transparency, and making informed financial decisions. The Chair, Tessel, should also offer help in securing sponsorships and managing budget.

## 3 Event Planning and Logistics

### 3.1 Venue of the Event

The anticipated venue is the Co-Creation Centre at the TU Delft campus, Van Den Broekweg 4, 2628 CR Delft. (If this is not possible, another location near the campus will be looked for.)



The Co-Creation Center (CCC), a result of a collection of various research projects from TU Delft and entrepreneurs, is a sustainable and innovative glass building at The Green Village within the TU Delft campus. The aim of this building is to reduce NOx (nitrogen oxide) emissions as well as address a "PFAS" problem (carbon-fluorine contamination in soil). It is a living laboratory for sustainable innovation in the urban environment and the first building in which recycled (end-of-life) concrete has been used. The size of the CCC building is 300 square meters. With a flexible open floor plan, the CCC has served as an event centre since June 2020 and offers space to up to 200 guests.

### 3.2 Event Format and Schedule

The European Geothermal Ph.D Days is a three day event. The first two days will comprise a mixture of keynote speakers, Ph.D presentations, pitches and poster sessions. For the third day, a site visit is scheduled. A more detailed program of the event will become available in the coming months.

## 4 Sponsor Opportunities

As EGPD is an event organised by and for Ph.D students, it cannot be successful without the kind sponsorships from our industry counterparts. **We are now looking for sponsors.** To this end, we summary the benefits that a sponsor can have via funding EGPD and the potential sponsorship opportunities below.

### Interested ?

If you are interested in sponsoring EGPD 2024, we are looking forward to receiving your message at [EGPD2024@tudelft.nl](mailto:EGPD2024@tudelft.nl).

### 4.1 Sponsor Benefits

Sponsoring the European Geothermal Ph.D Days offers valuable benefits for companies looking to enhance their brand visibility and network within the next-generation leading geothermal experts. The event provides

tailored marketing exposure, including logo placement and presenting a talk. Sponsors also have the chance to engage with cutting-edge research in different areas related to geothermal energy, such as subsurface modelling, geophysical inversion, economical analysis and societal science, and connect with next-generation leading experts in geothermal energy. Post-event exposure ensures lasting visibility through publication and access to event materials.

Table 1: Benefits of Sponsoring a Conference

Benefits	Description
Increased brand exposure	Display of your brand logo, banners, and promotional materials throughout the EGPD.
Networking opportunities	Access to exclusive networking events, allowing you to connect with keynote speakers and young geothermal experts.
Thought leadership and industry credibility	Position your brand as an industry leader and expert by leveraging speaking opportunities, panel discussions, or workshops to share knowledge, insights, and expertise.
Product/service demonstrations	Opportunity to demonstrate products or services directly to a receptive audience through interactive presentations & discussions.
Recruitment opportunities	Showcase company culture, values, and employment opportunities to attract top talent and expand the workforce.

## 4.2 Sponsorship opportunities

Sponsorship opportunities for the European Geothermal Ph.D Days offer prime packages for maximum exposure, session associations, student support engagement, and online/digital visibility, see Tab.2. These options cater to diverse objectives and budgets, providing logo placement, acknowledgments, mentoring, and virtual promotion. Companies can leverage these opportunities to gain valuable connections and exposure at the event.

Table 2: Sponsorship Opportunities

Expenses	Estimated Cost
60-80 participants expected	
Catering	
Lunches	TBD
Coffee & Snacks	TBD
Social Event	2000 €
Logistics	
Conference Activity	1500 €
Printing	500 €
Funding for Students	
Travelling Funding	500 €/per person, 2-5 ppl
Prize	200 €

**Interested ?**

If you are interested in sponsoring one or several of the expenses above, we are looking forward to receiving your messages at [EGPD2024@tudelft.nl](mailto:EGPD2024@tudelft.nl).

## 5 Promotion and Outreach

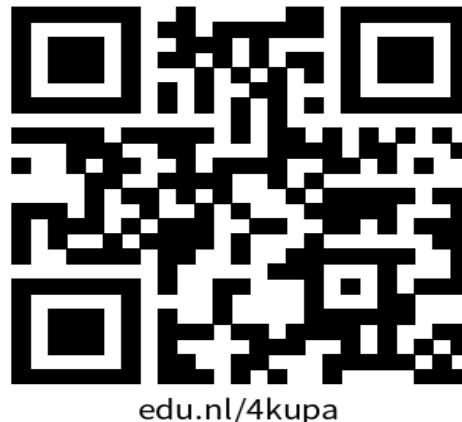
### 5.1 Social Media Campaigns

It is essential to promote and create buzz around the EGPD 2024. These campaigns aim to generate awareness, engage with the target audience (including potential sponsors and participants), drive registration, and facilitate networking opportunities.

We have created two official social media accounts, i.e. Twitter and LinkedIn Page, to promote and advertise our event. Please feel free to scan the QR codes below to follow us for future communications.

← EGPD2024\_Delft  
3 Tweets  
  
Edit profile

**EGPD2024\_Delft**  
@EGPD2024\_Delft  
Official account of European Geothermal PhD Days 2024, Delft!  
Joined June 2023



Twitter Account - scan to follow

EGPD2024  
EGPD2024 11 followers  
3d · Edited ·   
The 15th European Geothermal Ph.D Days, 2024, will happen in Delft, the Netherlands. This is the OFFICIAL LinkedIn Page of EGPD2024. More information will be released soon. Follow this page for future communication! #Geo ...see more  
  
Wed, Apr 3, 2024, 9:00 AM - Fri, Apr 5, 2024, 4:00 PM CEST  
the 15th European Geothermal Ph.D Days  
Delft, NL  
View event



LinkedIn Page - scan to follow

## 5.2 Website Development

Thanks for David Naranjo, one of the committee members who built the original repository of EGPD 2022 website, and for EGPD 2023 organising committee, we inherit the code to build EGPD 2024 website, which is now under construction and will be released before September 2023.

## 5.3 Communication Channels for Participants

The communication channel is a WhatsApp group, in which all participants can communicate with the whole group in real time during the EGPD 2024. In this way, we can keep being informed in time. To join the WhatsApp group, please scan the following QR code:



## 5.4 Expected Deliverable

This operational document, together with an abstract booklet (after the event) will be published online.