

8th European Meeting on 3D Geological Modelling

Advancing 3D Geological
Modelling Across
Europe and Beyond

20-23.04.2027
ROME / ITALY

1st Circular

Organized by:



CARG

Venue:



SOCIETÀ GEOGRAFICA ITALIANA

Under the patronage:



The European Meeting on 3D Geological Modelling serves as a key opportunity for Geological Survey Organisations (GSOs) to share methodologies, operational workflows, and best practices in 3D subsurface modelling. Although European in scope, the meeting actively reaches out to the wider global community, warmly welcoming contributions and attendance from international GSOs, academia, industry, and policy stakeholders to foster an inclusive, cross-disciplinary dialogue.

The 8th edition of the Meeting will focus on innovative technical advances, real-world applications for societal challenges, and the translation of insights from subsurface models into policy, planning, and public decision-making.

Due to physical space constraints at the venue, overall attendance is strictly limited to 100 participants.

An indicative threshold of 3-4 representatives per organisation is currently suggested to ensure balanced institutional representation. Please note that this is an initial guide: the final allocation per institution may be adjusted based on the total demand recorded during the pre-registration phase.

To assist the Organising Committee in evaluating potential attendance, allocating seats, managing institutional representation, and structuring session capacities, all interested colleagues are kindly requested to complete the ***pre-registration form***.

The Second Circular (opening the abstract submission and containing detailed logistical information) will be sent exclusively to pre-registered participants.

Pre-registration deadline: 30 October 2026 ◀◀◀◀◀◀

TUESDAY 20 APRIL WEDNESDAY 21 APRIL THURSDAY 22 APRIL FRIDAY 23 APRIL

MORNING		geological field trip	wake-up run/walk	wake-up run/walk	wake-up run/walk
			registration & welcome coffee	coffee	coffee
			opening		
			country updates - 1	talks - 3	talks - 5
			coffee & posters	coffee & posters	coffee & posters
			country updates - 2		talks - 6
			general discussion and/or invited talk	breakout groups/ live demonstrations	closing remarks & acknowledgements
			lunch	lunch	lunch
AFTERNOON			talks - 1	talks - 4	
			coffee & posters	city tour	
			talks - 2		
EVENTING		welcome icebreaker party		social dinner	

Scientific Themes

To reflect the evolving needs of the community, the meeting's main thematic areas currently envisaged include, but are not limited to:

►►►►►►►► Resources & Applied Geology

Keywords: critical raw materials, energy transition, hydrogeology, geothermal energy, CO₂ storage, low-carbon energy systems, subsurface characterization, hazards.

►►►►►►►► Urban Subsurface Geology

Keywords: infrastructure planning, geotechnical engineering, underground space utility, hazards, hydrogeology.

►►►►►►►► Procedural, Data-Driven & AI-Based Workflows

Keywords: machine learning, deep learning, algorithmic workflows, implicit modelling, automated model updating, big data integration, cloud computing.

►►►►►►►► Translating Geological Models into decision-making

Keywords: data accessibility, model usability, transparency and clarity, public engagement, science communication, visualisation.

►►►►►►►► Geological Modelling for Society

Keywords: policy-making, spatial planning, environmental management, climate adaptation, stakeholder decision support.

►►►►►►►► Modelling Concepts, Methods & Uncertainty

Keywords: uncertainty quantification and representation, model validation, multi-scale modelling, conceptual geology, QA/QC standards, expert knowledge integration.

The meeting will feature oral presentations and poster sessions.

In the [pre-registration form](#), you can indicate your preliminary interest in submitting contributions to the proposed themes by selecting the relevant options, or suggest additional themes in the open-text field.

Country Update session

As per tradition, the meeting will open with a dedicated Country Update session, providing an opportunity for a representative from each Geological Survey Organisation (GSO) to highlight their latest national developments, strategic direction, and key challenges in 3D geological modelling, establishing a shared foundation for fruitful exchange and discussion throughout the meeting.

In the [pre-registration form](#), delegates are invited to indicate their interest in delivering the Country Update presentation on behalf of their GSO.

Live Demonstrations & Interactive Tools

In addition to traditional oral and poster presentations, the meeting will feature a dedicated Live Demonstration session. The session offers a dynamic, hands-on space for participants to showcase tools, software, 3D visualization viewers, and innovative workflows applied to subsurface modelling.

If you are interested in presenting a live demo, please indicate your proposal in the dedicated section of the [pre-registration form](#).

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Pre-meeting geological field trip

The field trip will take place on Tuesday, April 20th. We will walk through the Appia Antica Park to discover the deposits of the Colli Albani Volcanic District, observe the morphological evidence of a lava flow front at the Mausoleum of Cecilia Metella and, most likely, cross the city-centre in search of the deposits that make up the famous seven hills of Rome. The field trip will end at MUCIV - Museum of Cultures, hosting the collections of the Museum of the Geological Survey of Italy, where the Icebreaker party will be held.

Public transport will be mostly used to travel between stops, and the total walking distance will be approximately 8 kilometres.

*Participation in the field trip is limited to 50 participants. Indicating your interest in the **pre-registration form** does not secure a place, but serves to help the Organising Committee gauge demand and arrange logistics accordingly. Final confirmation and booking procedures will be detailed in the Second Circular.*

Venue & Practical Information

The meeting will take place at the historic headquarters of the Società Geografica Italiana (Palazzetto Mattei in Villa Celimontana), located in the heart of Rome.

Host Institution: ISPRA - Geological Survey of Italy (Rome)

Format: In-person event only (No hybrid/online streaming)

Official Language: English.

Detailed information regarding the venue logistics, hotel accommodation, local transport, and the social programme (including Pre-meeting field trip and Icebreaker party) will be provided in the Second Circular and published on the official meeting webpage.

COSTS, TRANSPORT AND ACCOMMODATION

The meeting, including field trip and meals (as indicated in the programme), will be free of charge for participants. Participants will need to arrange their own transportation and accommodation. We will provide advice on Rome public transport and accommodation in the Second Circular.

KEY DATES & TIMELINE

- **Pre-Registration Deadline:** 30 October 2026
- **Second Circular & Abstract Submission Opens:** Late November 2026
- **Abstract Submission Deadline:** 15 January 2027
- **Notification of Acceptance & Final Programme:** February 2027
- **8th European Meeting in Rome:** 20-23 April 2027

CONTACT:

For inquiries please contact: geomod3d@isprambiente.it



click to visit
the meeting website

