

4TH INTERNATIONAL CONGRESS ON EARTH AND GEOLOGICAL SCIENCES

JULY 21-22, 2025
PARIS, FRANCE



ICEGS -2025

July 21-22, 2025 | Paris, France

ISBN: 978-1-917892-13-1

Website URL:
<https://unitedresearchforum.com/geology-earthscience/>



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LETTER FROM THE CEO & DIRECTOR

On behalf of United Research Forum, UK, we are delighted to announce the organization of the 4th International Congress on Earth and Geological Sciences, to be held at the Van der Valk Hotel Paris CDG Airport from July 21-22, 2025.

Our goal is to provide an international platform where researchers and professionals from various fields of the health sector can come together to exchange ideas, discuss current trends, share research outcomes, and explore practical experiences.

We look forward to welcoming all of you to France and to hosting an exceptional meeting with distinguished scientists from around the world, sharing new and exciting developments across the diverse subjects covered by the conference.

We hope you enjoy your stay in France and encourage you to take this opportunity to explore the beautiful historical sites the country has to offer. Finally, I extend my best wishes for a successful and fruitful conference, and express sincere thanks to our partners and the organizing team for making this event possible.

A handwritten signature in black ink that reads "Dr. Vanga".

Sincerely,

Dr. Vanga

CEO, Director | United Research Forum United
Kingdom

**Day -1
Monday**

4th International Congress on Earth and Geological Sciences

July 21-22, 2025 | Paris, France

Registrations + Badge Pickup & Opening Cermony (08:30-09:00)

Keynote Forum

- | | |
|--------------------|---|
| 09:00-09:30 | Real-world consequences of High-Performance Competencies
Anthony Cockerill, University of Cambridge, United Kingdom |
| 09:30-10:00 | Simulation and optimization of a dual-axis solar tracking mechanism
Catalin Alexandru, Transilvania University of Brasov, Romania |
| 10:00-10:30 | Urban mining for the recovery of critical metals from e-waste
Maria Holuszko, University of British Columbia, Canada |

Refreshment Break & Group Photo (10:30 - 10:50)

Technical Session-I (10:50-12:55)

- | | |
|--------------------|---|
| 10:50-11:15 | Bimodal Miocene volcanism in the Hegau region (SW Germany) produced nosean phonolites by differentiation of primitive melilititic-nephelinitic magmas
Thomas Binder, Eberhard Karls Universität Tübingen, Germany |
| 11:15-11:40 | Exploring the Potential of Cost-Effective Mobile Laser Scanning and Photogrammetry in Mine Shaft Sinking Processes
Wojciech Rutkowski, PeBeKa S.A./AGH University of Krakow, Poland |
| 11:40-12:05 | Quantitative flood disaster loss-resilience with the multilevel hybrid evaluation model
Shaohong Wu, Chinese Academy of Sciences (IC2MP), China |
| 12:05-12:30 | Synergistic chemical evolution of Fe-smectite and glycine during mineral crystallization
Rihab Fkiri, Institut de Chimie des Milieux et Matériaux de Poitiers (IC2MP), France |

**Day -1
Monday**

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12:30-12:55

**Mesozoic Intracontinental Deformation and Reactivation of the
Southern Central Asian Orogenic Belt**

Yiping Zhang, Chinese Academy of Geological Sciences, China

Lunch @ Restaurant (12:55 -14:00)

Technical Session-II (14:00-18:25)

14:00-14:25

**Evaluation of wetlands as carbon sinks towards its contribution in
offsetting GHG emission and climate change**

Subir Kumar Nag, ICAR-Central Inland Fisheries Research Institute, India

14:25-14:50

The study of historical mortars from Notre-Dame de Paris cathedral

Jean Michel Mechling, University of Lorraine, France

14:50-15:15

**Estimation of 3D Permeability from Pore Network Models
Constructed Using 2D Thin Section Images in Sandstone Reservoirs**

Chengfei Luo, CNOOC EnerTech - Drilling & Production Co, China

15:15- 15:40

**Serpentinization of the oceanic lithosphere: Geological aspects and
environmental impact**

Toshio Nozaka, Okayama University, Japan

Refreshment Break (15:40-16:00)

Poster Presentations-I (16:00-16:30)

Poster 1

**Assessment of Water Quality in Emergency Supply Wells: A Case
Study from Kraków**

Anna Szczepaniec, AGH University of Krakow, Poland

Poster 2

**Assessment of Water Chemistry across the Podhale Basin (Southern
Poland)**

Marta Kusy, AGH University of Krakow, Poland

Poster 3

**Variability of hydrogen, methane and carbon dioxide concentrations
in soil gases along a geochemical profile across the Podhale Basin
(Southern Poland)**

Patrycja Wisińska, AGH University of Krakow, Poland

**Day -1
Monday**

4th International Congress on Earth and Geological Sciences

Poster 4

REE interferences in standard solutions – consequences for aqueous analyses by ICP-MS

Piotr Dzień, AGH University of Krakow, Poland

Poster 5

Validation of the ICP-MS method for lanthanum determination

Błażej Markowski, AGH University of Krakow, Poland

Technical Session-II Continues---

16:30-16:55

Mechanisms of surface disturbance induced by coal seam mining based on primary key strata analysis

Nan Wang, China University of Mining and Technology, China

16:55-17:20

Environmental sustainability assessment of a new food waste anaerobic digestion and pyrolysis hybridization system

Fuqing Xu, Xi'an Jiaotong University, China

17:20-17:45

Assessment and forecast of changes in Land use and land cover in Bulandy district (Kazakhstan)

Onggarbek Alipbeki, Al-Faraby Kazakh National University, Kazakhstan

17:45-18:10

Geochemical and REE Mineral Composition of the Rairakhol Alkaline Complex, Odisha, India

Nikita Ram, RMIT University, Australia

Day-1 Concludes

Pannel Discussions

**Day -2
Tuesday**

4th International Congress on Earth and Geological Sciences

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Keynote Talk 10:00-10:30	Crop water use and crop redistribution Wenjiao Shi, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, China
10:30-10:55	Virtual Reality technologies in Geography education – Research result and experiences Gyöngyi Bujdosó, University of Debrecen, Hungary
10:55-11:20	Data Driven AI (Artificial Intelligence) detection furnish economic pathways for Microplastics Shefali Arora, UPES, India
11:20-11:45	TBA Monika Suchowska-Kisielewicz, University of Zielona Góra, Poland
11:45-12:10	Challenges and Opportunities in Northern Mendoza's Groundwater Management María Laura Gomez, Argentine Institute for Arid Zones Research, Argentina
12:10-12:35	Spatially explicit reconstruction of cropland cover in Europe from AD 1800 to 2000 Yu Ye, Beijing Normal University, China
12:35-13:00	Biofilms as indicators of biogeochemical processes in groundwater Litvinenko Zoia, Russian Academy of Sciences, Russia
13:00-13:25	Experimental study of the impact of thunderstorms on ionospheric parameters Valentina Antonova, Institute of Ionosphere, Kazakhstan
13:25-13:50	Geo-inspired Fluorination of Layered Double Hydroxides: From Synthetic Clay-like Structures to Conversion Cathodes for All-Solid- State Lithium Batteries Katia-GUERIN, UCA, France

**Day -2
Tuesday**

4th International Congress on Earth and Geological Sciences

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13:50-14:15 **How does climate information services (CIS) affect farmers' adaptation strategies? A systematic review**
MADHURI, Symbiosis International Deemed University, India

14:15-14:40 **Multi-Hazard Risk Assessment for Effective Disaster Risk Reduction: A Block Level Study of Kargil District, Ladakh**
MOHMAD AKBAR, UNIVERSITY OF LADAKH, India

14:40-15:05 **Earthquake fatality estimates within 25 minutes or less**
Max Wyss, International Center for Earth Simulation, Switzerland

15:05:15:35 **Investing in the Planet: Financial Innovation for Science-Based Sustainability**
MANTA Otilia, Romanian-American University, Bucharest, Romania

15:35-16:00 **Hydrocarbon Prospectivity within Interval "A" of the Villeta Formation in the Putumayo Foreland Basin**
Maria Alaimo, Universidad de Los Andes, Colombia

16:00-16:25 **Discovery of a New Environment for Platinum Mineral in Limestone Rocks**
Majed Mohammed Yahya Al-Hadhq, Sana'a University, Yemen

16:25-16:50 **Using Igneous Dikes as a Substitute for" – Author: Majed Mohammed Yahya Alhadhq**
MMajed Mohammed Yahya Al-Hadhq, Sana'a University, Yemen

16:50-17:15 **Application of Remote Sensing and Artificial Intelligence for Aquifer Unit Detection in the Beni-Mellal Atlas**
Zaina El Kamel, Cadi Ayyad University, Morocco

CLOSING REMARKS

DAY-2 CONCLUDES

**Day -2
Tuesday**

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Notes.....





WE WISH TO SEE YOU AGAIN AT

**5th International Congress on
Earth and Geological Sciences
(ICEGS-2026)**

**June 10–11, 2026
Prague, Czech Republic**

Website URL:

<https://unitedresearchforum.com/geology-earthscience/>

[Email: director@urforum.org](mailto:director@urforum.org)

