

5th International Congress on  
**Earth and Geological Sciences**

July 23-24, 2026 | Vienna, Austria

**DAY-1 (July 23)**

09:00-09:30	<b>Registrations</b>
09:30-10:00	<b>Opening Remarks</b>
<b>Keynote Forum</b>	
10:00-10:30	<b>Improving flaring destruction efficiency to accelerate mitigation of Methane emission</b> Ahmed Alzahabi, The University of Texas Permian Basin, USA
10:30-11:00	<b>Slot Available</b>
11:00-11:30	<b>Slot Available</b>
11:30-11:50	<b>Group Photo</b> Refreshment Break
<b>Technical Session-I</b>	
11:50-12:10	<b>Bimodal Miocene volcanism in the Hegau region (SW Germany) produced nosean phonolites by differentiation of primitive melilititic–nephelinitic magmas</b> Thomas Binder, Eberhard Karls Universität Tübingen, Germany
12:10-12:30	<b>Assessing Climate Change Impacts on Low-Flow Extremes in small catchment in Croatia using the SWAT model</b> Josip Janjić, Faculty of Civil Engineering and Architecture, Croatia
12:30-12:50	<b>Spatial Variability of Sea Level Change: Interactions Between Climate-Driven Rise, Land Subsidence and Urban Loading in Coastal Megacities</b> Florent Pirot, Independent Researcher, France
12:50-13:10	<b>Pinnipeds and avian influenza a global timeline and review of research on the impact of highly pathogenic avian influenza on pinniped populations with particular reference to the endangered Caspian seal (<i>Pusa caspica</i>) - 2024: An update 2026</b> Guy Petherbridge, Association of Universities and Researchers of Caspian Region States, Russia
13:10- 14:00	<b>Lunch @ Restaurant</b>
<b>Technical Session-II</b>	
14:00-14:20	<b>Serpentinization of the oceanic lithosphere: Geological aspects and environmental impact</b> Toshio Nozaka, Okayama University, Japan
14:20-14:40	<b>The Impact of Contemporary Climate Change on Groundwater Regimes in the Central Chernozem Region: A Case Study of the "Kamennaya Steppe" Nature Reserve</b> Valeriiia Vediashkina, Lomonosov Moscow State University, Russia
14:40-15:00	<b>Spatially explicit reconstruction of cropland cover in Europe from AD 1800 to 2000</b> Yu Ye, Beijing Normal University, China
15:00-15:20	<b>Slot Available</b>
15:20-15:40	<b>Slot Available</b>
15:40-16:00	<b>Refreshment Break</b>
16:00-16:20	<b>Health risk assessment to xenoestrogen through atmospheric PM2.5 particles: A case study in Suzhou</b> Lei Han, Xi'an Jiaotong-Liverpool University, China
16:20-16:40	<b>Bare soil evaporation from homogeneous, layered, and stony profiles</b> Tamir Kamai, Agricultural Research Organization, Israel
16:40-17:00	<b>Slot Available</b>

17:00-17:20	<b>Environmental Penalty, Internal &amp; External Governance and Green Innovation, Does the Deterrence Effect Work?</b>  <b>Ling Tang</b> , Shenzhen Technology University, China
17:20-17:40	<b>The role of humic substances in the amelioration of saline soils: mechanisms and affecting factors</b>  <b>Maria De Nobili</b> , University of Udine, Italy
17:40-18:00	<b>Slot Available</b>
<b>Day-1 Concludes</b>	
<b>Pannel Discussions</b>	
<b>DAY-2 (July 24)</b>	
<b>Technical Session-III</b>	
09:00-09:20	<b>Creating a sustainable path for the supply of energy materials/metals from secondary sources to accelerate the green energy transition</b>  <b>Vesna Conic</b> , Mining and Metallurgy Institute Bor, Serbia
09:20-09:40	<b>An Integral Method for Deriving Simple and Transparent Transport Pathway Parameters in Saturated Systems from the Contamination Source to the Biosphere Interface</b>  <b>Jiri Landa</b> , Technical University of Liberec, Czech-republic
09:40-10:00	<b>Estimation of the Geothermal Gradient at the Aguas de Vichy Hot Spring (Santander, Colombia) via Integration of Geological Data, Thermophysical Characterization, and 2D Conductive Modeling</b>  <b>Melissa Salcedo</b> , Universidad Industrial de Santander, Colombia
10:00-10:20	<b>Socioeconomic Determinants of Poverty Reduction among Irrigating Farmers in Mberengwa District, Zimbabwe</b>  <b>Paramu Mafongoya</b> , University of KwaZulu-Natal, South Africa
10:20-10:40	<b>Slot Available</b>
10:40-11:00	<b>Refreshment Break</b>
11:00-11:20	<b>Heavy metals in Al Ghat agricultural soils, central Saudi Arabia: Environmental risk assessment and potential sources</b>  <b>Khaled mubark Al-Kahtany</b> , King Saud University, Saudi Arabia
11:20-11:40	<b>Applying Causal Machine Learning to Spatiotemporal Data Analysis: An Investigation of Opportunities and Challenges.</b>  <b>Mulomba Christian</b> , KyungSung University, South Korea
11:40-12:00	<b>Seismic hazard mapping applied to the Babors region (Northeastern of Algeria)</b>  <b>Sahra Aourari</b> , CGS, Algeria
12:00-12:20	<b>Challenges and Opportunities in Northern Mendoza's Groundwater Management</b>  <b>María Laura Gomez</b> , Argentine Institute for Arid Zones Research, Argentina
12:20-12:40	<b>Slot Available</b>
12:40-13:00	<b>Slot Available</b>
13:00-14:00	<b>Lunch @ Restaurant</b>
<b>Technical Session-IV</b>	
14:00-14:20	<b>3D Permeability Estimation through Fluid-MLP Workflow Utilizing 2D Thin-Section Images</b>  <b>Chengfei Luo</b> , Chengdu University of Technology, China
14:20-14:40	<b>The timing and magnitude of anthropogenic mercury pollution: A 200-year record from multi-lake sediment cores in northeast China</b>  <b>Bigyan Neupane</b> , South China Normal University, China
14:40-15:00	<b>Identifying Key Pathways to Achieve Copenhagen Methane Emissions Reduction Targets by 2030 through Sector Linkages in Inter-country Production and Consumption Networks</b>  <b>Xiuli Liu</b> , Chinese Academy of Sciences, China

15:00-15:20	<b>Geochemical and REE Mineral Composition of the Rairakhol Alkaline Complex, Odisha, India</b> Nikita Ram, RMIT University, Australia
15:20-15:40	<b>Slot Available</b>
15:40-16:00	<b>Refreshment Break</b>
16:00-16:20	<b>Mechanisms of surface disturbance induced by coal seam mining based on primary key strata analysis</b> Nan Wang, China University of Mining and Technology, China
16:20-16:40	<b>The deviations in <math>\delta^{34}S</math> and <math>\Delta^{33}S</math> values in uppermost Changhsingian authigenic sulfides in the high paleolatitude region of the Boreal Superrealm and their significance for deciphering the reasons for the close timing of the processes of mass extinction of terrestrial and marine biotas at the end of the Permian</b> Yuri D. Zakharov, Far Eastern Geological Institute, Russian Academy of Sciences, Russia
16:40-17:00	<b>Defining the impact of pine cultivation on soil water content in Zapotoca, Santander, using Electrical Resistivity Tomography (ERT)</b> Katherin Herrera, Universidad Industrial de Santander, Colombia
17:00-17:20	<b>Slot Available</b>
17:20-17:40	<b>Slot Available</b>
17:40-18:00	<b>Slot Available</b>
<b>Closing remarks</b>	
This is a tentative program. Subjected to changes. To book you slot, please contact Dr. Jack Harrison at <a href="mailto:jackharrison@unitedforum.uk">jackharrison@unitedforum.uk</a>	