

5th International Congress on Earth and Geological Sciences

July 23-24, 2026 | Vienna, Austria

DAY-1 (July 23)	
08:30-09:00	Registrations
	Opening Remarks
09:00-09:30	Plenary Talk
09:30-10:00	Plenary Talk
10:00-10:30	Group Photo
	Refreshment Break
Keynote Forum	
10:30-11:00	Critical metals extraction from secondary sources; Valorization of Critical Elements recovery from post-industrial waste Prof. Maria Holuszko, University of British Columbia, Canada
11:00-11:30	Health and ecological impacts from improper waste management Prof. Syed Hasan, University of Missouri-Kansas City, USA
11:30-12:00	Experimental and Numerical Studies of Breach Evolution Resulting from Piping at Earthen Dams Prof. Mehmet Şükrü Güney, Izmir University of Economics, Turkey
Technical Session-I	
12:00-12:20	Data-driven Atmospheric Model for Weather Process Analysis Prof. George L.Danko, University of Nevada, Reno, USA
12:20-12:40	Assessing spontaneous spreading woody plants for climate resilience and applicability Dr. Krisztina Szabo, Hungarian University of Agriculture and Life Science, Hungary
12:40-13:00	Numerical modelling of the long-term behaviour of weathered granular soil structures and rock masses under mechanical and hydro-chemical conditions Prof. Erich Bauer, Graz University of Technology, Austria
13:00- 14:00	Lunch @ Restaurant
Technical Session-II	
14:00-14:20	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 (Pusa caspica) - 2024: An update 2026 Prof. Guy Petherbridge, Association of Universities and Researchers of Caspian Region States, Russia
14:20-14:40	Identification of the mother body of a two-dimensional uniform vortex Prof. Giorgio Riccardi, University of Campania Luigi Vanvitelli, Italy
14:40-15:00	The Impact of Contemporary Climate Change on Groundwater Regimes in the Central Chernozem Region: A Case Study of the "Kamennaya Steppe" Nature Reserve Miss. Valeriia Vediashkina, Lomonosov Moscow State University, Russia
15:00-15:20	Production of H2 and diversified hydrocarbons over rock particles in the presence of H2O and carbon compounds Dr. Young Sang Cho, Korea Institute of Science & Technology, South Korea
15:20-15:40	Hydrocarbon Prospectivity within Interval "A" of the Villeta Formation in the Putumayo Foreland Basin Dr. Revil André, CNRS, France
15:40-16:10	Poster Presentations
Refreshment Break	
16:10-16:30	Experimental assessment of sunlight Radiative Transfer process through complex snowpacks Dr. Luca Teruzzi, University of Milan, Italy
16:30-16:50	Health risk assessment to xenoestrogen through atmospheric PM2.5 particles: A case study in Suzhou Lei Han, Xi'an Jiaotong-Liverpool University, China
16:50-17:10	Engineered Fracture Systems for Robust, Geothermal Energy Recovery Prof. George L.Danko, University of Nevada, Reno, USA
17:10-17:30	Mineralogy of the Historic Mining District of Butte, Montana Mr. Daniel-Evanich, Bay Area Mineralogists, USA

17:30-17:50	New frontiers in geothermal exploration thanks to large scale induced polarization and self-potential tomographies Dr. REVIL André, CNRS, France
17:50-18:10	The role of humic substances in the amelioration of saline soils: mechanisms and affecting factors Dr. Maria De Nobili, University of Udine, Italy
18:10-18:30	Differential core-to-periphery emplacement of mafic magma in an Archean Complex and its implications: An example from Southern Granulite Terrain, India Prof. Mrinal Kanti Mukherjee, Indian Institute Of Technology (Indian School Of Mines) Dhanbad, India
18:30-18:50	Assessing Climate Change Impacts on Low-Flow Extremes in small catchment in Croatia using the SWAT model Dr. Josip Janjić, Faculty of Civil Engineering and Architecture, Croatia
18:50-19:10	The Travelling Permian-Triassic Boundary in Abadeh (Iran) Prof. Aymon Baud, Lausanne University, Switzerland
19:10-19:30	Sediments Tell the Story: Environmental Evolution of Wigry Lake Since the Last Ice Age Dr. Anna kostka, AGH University of Krakow, Poland
19:30-19:50	Grid-Scale Regional Risk Assessment Using Multi-Source Data: Integrating PMF, health risk assessment, and spatialized emission inventories, and in multi-source composite heavy metal soil pollution Prof. Mei lei, Chinese Academy of Sciences, China
Day-1 Concludes	
Pannel Discussions	
DAY-2 (July 24)	
Technical Session-III	
09:00-09:25	Spatial Variability of Sea Level Change: Interactions Between Climate-Driven Rise, Land Subsidence and Urban Loading in Coastal Megacities Mr. Florent Pirot, Independent Researcher, France
09:25-09:50	TBA Dr. Youssef Oubih, Morocco
09:50-10:15	Spatially explicit reconstruction of cropland cover in Europe from AD 1800 to 2000 Dr. Yu Ye, Beijing Normal University, China
10:15-10:40	Starved, Stressed, and the Fate of N2O: Multi-omics and high-resolution gas kinetics reveal how carbon limitation and oxidative damage impact denitrification in soil bacterial communities Dr. Louise Sennett, Norwegian University of Life Sciences, Norway
10:40-11:05	TBA Dr. Emad Fouzi Abdulrauf Almabrouk, National Oil Corporation, Libya
11:05-11:30	Refreshment Break
11:30-11:55	Heavy metals in Al Ghat agricultural soils, central Saudi Arabia: Environmental risk assessment and potential sources Khaled mubark Al-Kahtany, King Saud University, Saudi Arabia
11:55-12:20	Sustainability-Olive in Jerusalem, Palestine: A Bioclimatic Analysis (1993-2020) Prof. Jehad Ighbareyeh, Al-Quds Open University, Palestine
12:20-12:45	Seismic hazard mapping applied to the Babors region (Northeastern of Algeria) Sahra Aourari, CGS, Algeria
12:45-13:10	Study on the relationship between needle penetration index and uniaxial compressive strength in Central Yunnan Diversion Project Prof. Meiqian Wang, Kunming University of Science and Technology, China
13:10-13:35	Sustainability-Olive in Jerusalem, Palestine: A Bioclimatic Analysis (1993-2020) Dr. Ahmed Al-Areeq, KFUPM, Saudi Arabia
13:35-14:00	Direct extraction and high efficiency detection of trace-level U/Pu actinides via alpha spectroscopy in eionized and saline water samples with CTMFDs Prof. Rusi Taleyarkhan, Purdue University, USA
14:00-14:25	Lunch @ Restaurant
Technical Session-IV	
14:25-14:50	Validation of SeaWinds-Derived Winds Against Coastal Buoys Dr. Giuseppe Grieco, Istituto di Scienze Marine - Consiglio Nazionale delle Ricerche, Italy

14:50-15:15	Multi-source deep learning for robust flood detection using SAR and topographic features: improving cross-region generalization in Saudi Arabia Rowida M Alharbi, , Institute of Earth and Space Science, Saudi Arabia
15:15-15:30	Spatial geoarchaeology of megalithic cultural site (Jere) at Ternate Aspiring National Geopark, North Maluku, Indonesia Dr. Chusni Ansori, National Research and Innovation Agency, Indonesia, Indonesia
15:30-15:55	The soil nematode exposure in food system Prof. Yuseok Moon, Pusan national university, South-Korea
15:55-16:20	Experimental and Numerical Studies of Breach Evolution Resulting from Piping at Earthen Dams Prof. Mehmet Sukru Guney, Izmir University of Economics, Turkey
16:20-16:45	<i>Slot Available</i>
16:45-17:10	<i>Slot Available</i>
17:10-17:35	<i>Slot Available</i>
17:35-18:00	Identifying Key Pathways to Achieve Copenhagen Methane Emissions Reduction Targets by 2030 through Sector Linkages in Inter-country Production and Consumption Networks Xiuli Liu, Chinese Academy of Sciences, China
Closing Remarks	
This is a tentative program. Subject to changes. To book your slot, please contact Dr. Jack Harrison at jackharrison@unitedforum.uk	