

Conference Schedule

26 – 29 November 2024

For all Zoom meeting links go to:
segh.net/iscmgeh-europe

TUESDAY – 26 NOVEMBER

Direct meeting link



Time (CET)	Event
13 : 30 – 13 : 45	<p>Introduction</p> <p><i>Chairs: Dr. Carlos E. Monteiro, Prof. Elena Alvareda</i></p>
<p>Session 1 : Organic, Inorganic and Microbial Contaminants in Medical Geology and Environmental Health</p> <p><i>Chair: Dr. Jerry Olajide-Kayode</i></p>	
13 : 45 – 14 : 15	<p>Session 1 Keynote:</p> <p><i>“Health impact of chronic volcanic ash exposure: New constraints from a multi-isotopic approach”</i></p> <p>- Dr Lucie Seauzéat</p>
14 : 15 – 14 : 30	<p><i>“How many ICD diagnoses are affected by the content of Ca and Mg in drinking water in Slovakia”</i></p> <p>Nina Beňová</p>
14 : 30 – 14 : 45	<p><i>“Assessment of Water Quality in Emergency Supply Wells: A Case Study from Kraków”</i></p> <p>Patrycja Wisińska</p>
14 : 45 – 15 : 00	<p><i>“Effects of PTE-Rich Basalt and Biochar on Soil Cr, Cu, Ni, and Zn Bioavailability”</i></p> <p>Jennifer Newell</p>
15 : 00 – 15 : 15	<p><i>“Preliminary results of the soil geochemical baseline pilot study in Hellas”</i></p> <p>Artemis Kontomichalou</p>
15 : 15 – 15 : 30	<p>Break</p>

TUESDAY – 26 NOVEMBER

Time (CET)	Event
Session 1	
<i>Chair: Dr. Ines Tomašek</i>	
15 : 30 – 15 : 45	<i>“Contamination by Metallic Xenobiotics in Agro-Food Crops Along roadways in the Ferrara Area (Italy): Comparative Elemental Analysis”</i> Marcello Bigoni
15 : 45 – 16 : 00	<i>“Antimicrobial Resistance and Contaminated Soils”</i> Sarah I Bassey
16 : 00 – 16 : 15	<i>“Physicochemical characterisation of Sinabung volcanic ash for the assessment of respiratory health hazard”</i> Charlotte L. R. Gold-Taylor
16 : 15 – 16 : 30	<i>“Scoping Study of Potential Health Risks Arising from Trace Elements in Soils of the Platt Fields Market Garden, Manchester, UK”</i> Farah T. Ahmed
16 : 30 – 16 : 45	<i>“Biomarker Responses to Selenium and Mercury Exposure: Insights from a Controlled Fish Consumption Study”</i> Adna Alilović
16 : 45 – 17 : 00	Break
Session 1	
<i>Chair: Dr. Carlos E. Monteiro</i>	
17 : 00 – 17 : 15	<i>“Aligning groundwater remediation with contaminant distribution: Geospatial analysis from eastern India”</i> Ajmal Roshan
17 : 15 – 17 : 30	<i>“Prenatal Exposure to Arsenic in Drinking Water and Type 1 Diabetes”</i> Thoranna H Gilbertsdottir
17 : 30 – 17 : 45	<i>“Environmental geochemical study of surface water, soil and river sediment along the Asopos river basin, Greece”</i> Ioannis Kritikos
17 : 45 – 18 : 00	<i>“Speciation of mercury in forest soils after fire and assessment of potential human health effects”</i> Mary Gogoli
18 : 00 – 18 : 15	<i>“Occupational and environmental exposure of overhead powerline workers and environmental effects of aerial networks”</i> S. Poursanidou



Time (CET)	Event
13 : 30 – 13 : 45	Introduction <i>Chairs: Dr. Carlos E. Monteiro, Prof. Elena Alvareda</i>
Session 3 : Emerging Contaminants: Challenges and Impacts <i>Chair: Prof. Ariadne Argyraki</i>	
13 : 45 – 14 : 15	Session 3 Keynote: <i>“Tackling the issue of micro- and nano-plastics in the marine environment through monitoring, training early career researchers, and enabling citizen science”</i> - Dr Andreas Gondikas
14 : 15 – 14 : 30	<i>“Hidden Dangers: The Health Risks of Microplastic Pollution”</i> Nikos Klioumis
14 : 30 – 14 : 45	<i>“PFAS and Public Health: Insights from the Skyros Project”</i> Gerasimina Theodora Zapanti
14 : 45 – 15 : 00	<i>“Separation and Recovery of Natural & Anthropogenic Organic Polymers in soils of Attica, Greece”</i> Stefania Koutsourea
15 : 00 – 15 : 15	Break
Session 3 <i>Chair: Dr. Martin Gaberšek</i>	
15 : 15 – 15 : 30	<i>“Isotope enriched mercury as a methodology to assess methylation potential”</i> Beatriz Malcata Martins
15 : 30 – 15 : 45	<i>“IMPOSE: Investigating Mercury and organic Pollutants carried by micrOplastics in the Scheldt Estuary to manage future contamination”</i> Sybrien Lievens
15 : 45 – 16 : 00	<i>“Effect-Direct Assessment of AhR-active Compounds in Suspended Particulate Matter in Effluent-Dominated Urban River”</i> Yiqi Su

WEDNESDAY – 27 NOVEMBER

Time (CET)	Event
16 : 00 – 16 : 30	Session 2 Keynote : <i>“Pollen Chronicles: Past vegetation dynamics and socio-environmental challenges”</i> Dr Katerina Kouli
16 : 30 – 16 : 45	Break
16 : 45 – 18 : 15	Workshop <i>Shared Vocabulary: Communication Between Geo-Health Scientists</i> Dr Robert B. Finkelman



Time (CET)	Event
13 : 30 – 13 : 45	<p>Introduction</p> <p><i>Chairs: Dr. Carlos E. Monteiro, Prof. Elena Alvareda</i></p>
<p>Session 4 : Developments in environmental chemistry, geochemistry, and biogeochemistry</p> <p><i>Chair: Dr. Melina Abdou</i></p>	
13 : 45 – 14 : 00	<p><i>“Using exposure load to examine the burden of multiple chemicals in men and lactating women”</i></p> <p>Janko Stankić</p>
14 : 00 – 14 : 15	<p><i>“Monitoring of trace elements in soils of the South Shetland Islands, Antarctica”</i></p> <p>Henrique Zilhão</p>
14 : 15 – 14 : 30	<p><i>“Determination of Temporal Changes in Mercury Concentrations for Tagus and Guadiana Saltmarsh Areas”</i></p> <p>Inês Rico</p>
14 : 30 – 14 : 45	<p><i>“Utilising signal transformation for the simultaneous voltammetric analysis of palladium and nickel”</i></p> <p>Maria Jeremias</p>
14 : 45 – 15 : 00	<p><i>“Potentially toxic elements geochemical mapping and background assessment of the Mercogliano municipality (Avellino, Italy) soils “</i></p> <p>Alessio De Falco</p>
15 : 00 – 15 : 30	<p>Session 4 Keynote :</p> <p><i>“Advancing Environmental Monitoring: Alternative Approaches for Assessing Bioavailable Trace Elements in Impacted Environments.”</i></p> <p>- Dr Vendula Smolíková</p>
15 : 30 – 15 : 45	<p>Break</p>
<p>Session 4</p> <p><i>Chair: Dr. Carlos E. Monteiro</i></p>	
15 : 45 – 16 : 00	<p><i>“Antropigene: first environmental application of the geochemical gene to identify natural background and contaminations”</i></p> <p>Lusia Rita Pacifico</p>

THURSDAY – 28 NOVEMBER

Time (CET)	Event
16 : 00 – 16 : 15	<i>“Analytical techniques used for determination of REEs in natural water samples”</i> Piotr Dzień
16 : 15 – 16 : 30	<i>“Nickel Concentrations Associated to Acid Volatile Sulphides extracted from Two Different Estuarine Sediment Cores of the Tagus Estuary, Portugal”</i> André Veiga Fernandes
16 : 30 – 16 : 45	<i>“Evaluation of Acid-Volatile Sulphides towards Trace Elements in Sediments”</i> Emi Chapuis
16 : 45 – 17 : 00	Break
Session 4	
<i>Chair: Dr. Carlos E. Monteiro</i>	
17 : 00 – 17 : 15	<i>“Use of Eutectic Solvents in Sample Preparation for Palladium Environmental Analysis: a Preliminary Assessment”</i> Pietro Civa
17 : 15 – 17 : 30	<i>“Fluxes of Mercury and Methylmercury in Thermokarst Lakes”</i> Silvia Buriac
17 : 30 – 17 : 45	<i>“Mercury Dynamics in Sediments and Plants: Insights from two Subarctic Lake Ecosystems “</i> Sofia Marques
17 : 45 – 18 : 00	<i>“Assessing the rhizosphere effect of Halimione portulacoides on mercury concentration and bacterial diversity in saltmarsh sediments (Tagus Estuary, Lisbon)”</i> Vicente Guerreiro
18 : 00 – 18 : 15	<i>“Geochemical characterization and identification of potential origin of some chemical elements in soils of Gegharkunik region, Armenia”</i> Zhenya Poghosyan



Time (CET)	Event
13 : 30 – 13 : 45	Introduction <i>Chairs: Dr. Carlos E. Monteiro, Prof. Elena Alvareda</i>
Session 2 : Climate Change and Public Health <i>Chair: Prof. Elena Alvareda</i>	
13 : 45 – 14 : 00	«Variability of greenhouse gases (CO ₂ , CH ₄ and N ₂ O) in Ria Formosa Coastal Lagoon, south Portugal” Cátia Correia
Session 5 : Geo-health policy, litigation and social impact <i>Chair: Prof. Elena Alvareda</i>	
14 : 00 – 14 : 15	“Identifying Impurities in BBQ Briquettes Through Organic Petrography” Maria Georgaki
14 : 15 – 14 : 30	“Toxicology research of heavy metals in cosmetics in antiquity” Myrsini Ifigeneia Samothraki
Session 6 : General Session <i>Chair: Prof. Elena Alvareda</i>	
14 : 30 – 14 : 45	“A new Tier 1 semiquantitative environmental risk tool for the European extractive sector” Humberto Serrano-García
14 : 45 – 15 : 00	“Scanning Electron Microscopy (SEM) and X-ray Diffraction (XRD) for analysis of Kidney Stones” Sophia Tsokkou
15 : 00 – 15 : 15	“Influence of Initial Concentration on Hg(II) Sorption Efficiency on Natural and Modified Zeolite” Antonija Jurić
15 : 15 – 15 : 45	Session 5 Keynote : “The Emerging Discipline of Medical Geology – Integrating Environmental Science, Public Health and Earth Science.” Dr Jose Centeno

FRIDAY – 29 NOVEMBER

Time (CET)	Event
15 : 45 – 16 : 15	Break
16 : 15 – 18 : 00	Workshop <i>Preparing manuscripts for publication in international journals</i> Dr Alecos (Alexandros) Demetriades
18 : 00 – 18 : 15	Closing and Awards