



SOCRATES – AS2P1 Programme

4th Joint Congress of the Czech and Slovak Geographical Societies · Košice, 7–10 September 2026

Monday, 7 September 2026

US-GI1 – Urban Sustainability, GIS and Green Infrastructure

Sokrates – AS2P1 · English

Time	Author(s)	Title
16:30 – 16:45	Jaroslav Hofierka	Geography of Heat: Integrating GeoAI and Multi-scale Geospatial Modelling for Analysis of Urban Heat Stress in Košice
16:45 – 17:00	Michal Gallay, Tomáš Fedor, Jaroslav Hofierka, Daniela Kolcunová, Michaela Nováková, Katarína Onáčillová, Martin Pukančík, Ján Šašak, Pamela Valentová	A Multi-Source GIS Framework for Mapping Energy and Climate Adaptation Potential in the Košice Self-Governing Region
17:00 – 17:15	Samuel Ferencei, Ivan Petro, Barbora Slabeciusová, Dominika Smičeková Koháryová	Digitalization of Public Greenery Management in Bratislava
17:15 – 17:30	Nándor Tráser, András Szkalicity, Olivér Kriska, Gyula Nagy	How can participation lead to transformative change: The co-design of tactical urbanist greening actions
17:30 – 17:45	Péter Gyenizse, Tibor Elekes, Ákos Halmai, Ervin Pirkhoffer	Assessment of residential areas in the city of Szeged (Hungary) using a questionnaire survey and GIS
17:45 – 18:00	Marta Czaplicka, Małgorzata Dudzińska, Agnieszka Dawidowicz, Adam Senetra	Beyond functional-spatial assessment: Landscape indicators in the Age-Friendly Residential Areas (AFRA) methodology and their contribution to sustainable development goals

Tuesday, 8 September 2026

PH-LS1 – Landscapes and Landforms: Change, Assessment and Perception

Sokrates – AS2P1 · English

Time	Author(s)	Title
09:00 – 09:15	Federica Rizzetto	Anthropogenic influence on the long-term morphological evolution of a tidal inlet in the Venice barrier island system (northern Adriatic Sea, Italy)
09:15 – 09:30	Ladislav Tolmáči, Pavlo Zhyrnov	Geoenvironmental suitability and engineering-constraints model for the Štiavnické vrchy protected landscape
09:30 – 09:45	Olha Kachalova, Jakub Červenka, Jakub Houška, Giuseppe Amatulli	GeoHydroMorphoCZ_10m: An Analysis-Ready Geomorphometric and Hydrographic Dataset for the Czech Republic and Its Applications in Environmental Research
09:45 – 10:00	Monika Kopecká, Tomáš Goga, Daniel Szatmári, Kateryna Polyvach	Land consolidation as a tool for changing landscape structure – goals versus reality
10:00 – 10:15	Adam Senetra, Marta Czaplicka	Multisensory Landscape: Is the landscape perception through various senses a function of age and changing civilizational conditions?

10:30 – 11:00 · Coffee break

SI1 – Socio-spatial Inequalities and Spatial Justice

Sokrates – AS2P1 · English

Time	Author(s)	Title
11:00 – 11:15	Roman Matoušek, Martin Bárta	Uneven legacies, uneven exposure: Mapping household vulnerability to EU emission trading systems in Czechia
11:15 – 11:30	Clelia Menna	Socio-economic deprivation, Collaborative Practices and Territorial Transformations in Marginalized Urban Peripheries: A Comparative Analysis of Tor Bella Monaca (Rome) and Le Mirail (Toulouse)
11:30 – 11:45	Géza Salamin, Péter Uhlár	Spatial Differences in Attitudes Toward Family Values in Hungary
11:45 – 12:00	Ján Výboštok, František Križan	Childcare Deserts in Bratislava
12:00 – 12:15	Ladislav Novotný	High Socio-Economic Segregation in a Low-Inequality Country? The Role of Spatial Scale in Interpreting Segregation in Slovakia
12:15 – 12:30	András Szkalisity, Gyula Nagy	Spatial Patterns of Energy Poverty in Hungarian Urban Areas

12:00 – 13:30 · Lunch break

US1 – Metropolitan Development and Urban Systems

Sokrates – AS2P1 · English

Time	Author(s)	Title
13:30 – 13:45	János Balázs Kocsis	Transformation of the Urban Fringes: Population Growth and Residential Relocation in the Peripheries of Hungarian Cities
13:45 – 14:00	Robert Szmytkie, Stanislav Kraft, Ladislav Novotný, Géza Salamin	Absolute and Relative Hierarchies of Cities in the Visegrad Countries
14:00 – 14:15	Artur Bajerski, Alicja Kochner	Who Lived Where? Distribution and Concentration of Socio-Professional Groups in Interwar Poznań's City Centre
14:15 – 14:30	Luděk Sýkora, Mirosław Grochowski, Ivan Tosics	Metropolitan Governance without Metropolitan Government: EU Cohesion Policy and the Urban Dimension in Budapest, Prague and Warsaw

17:15 – 19:15 · General Assembly of the Association of Slovak Geomorphologists

RS1 – Remote Sensing and Earth Observation

Sokrates – AS2P1 · English

Time	Author(s)	Title
09:00 – 09:15	Miloš Rusnák, Jozef Šupinský, Ján Šašak, Hamid Afzali, Asharf MD, Lukáš Michaleje	3D river channels for future riparian biodiversity assessment
09:15 – 09:30	Michal Girmala, Ján Kaňuk, Zdeněk Klusoň, Róbert Krajčovič	Multi-Platform Hyperspectral and Thermal Earth Observation for Environmental Monitoring
09:30 – 09:45	Seghier Saad, Yolanda Sánchez Sánchez, Mercedes Suárez Barrios, Abdelkader Ouali Mehadji	AI-Assisted Geological Prediction in the Central Saharan Atlas Reliefs (Southwestern Algeria): A Geo-AI and Remote Sensing Approach to Weathered Basalt Detection and CAMP Eastern Boundary Mapping within Triassic Diapir Structures
09:45 – 10:00	Jakub Andrzejak, Martyna Motylska, Hanna Sojka	A multidisciplinary approach to fault zone detection: geological mapping, geophysical surveys, and gas emission measurements – a case study of the Podhale Basin, southern Poland

10:30 – 11:00 · Coffee break

NH-HE1 – Natural Hazards, Human–Environment Interactions and Health

Sokrates – AS2P1 · English

Time	Author(s)	Title
11:00 – 11:15	Anna Borsíková, Matej Vojtek, Marcel Vasiľák	Pluvial flood potential assessment using a multi-criteria approach: a case study of the Kamenec basin, Eastern Slovakia
11:15 – 11:30	Lukáš Marek	The Physical Environment and Health Outcomes: Evidence from Aotearoa New Zealand
11:30 – 11:45	Anna Kidová, Marián Jančovič, Peter Labaš, Akhtar Zeb Khan	Co-evolution of the Belá River corridor under cumulative anthropogenic pressures: linking hydrogeomorphology, river engineering and human adaptation
11:45 – 12:00	Eva Výrostová	Industrial Structure and Self-Rated Health in European Regions: A Multilevel Analysis
12:00 – 12:15	Matúš Tomaga, Adam Rusinko, Pavel Krajčí	Exploring the Use of the Open-Source AvaFrame Platform for Avalanche Simulation: Case Studies from Slovakia

12:00 – 13:30 · Lunch break

US-E3 – Urban Transformation, Heritage and Sustainable Infrastructure

Sokrates – AS2P1 · English

Time	Author(s)	Title
13:30 – 13:45	Martin Ouředníček, Dorota Mantey, Ján Výboštok	Comparison of the extent of residential suburbanization in an international context: Czechia, Slovakia and Poland
13:45 – 14:00	Bálint Hilbert	Managing Urban Transformation in a Changing Fin-de-Siècle Context: A Historical-Geographical Assessment of Urban Policies in Vienna and Budapest (1880–1910)
14:00 – 14:15	Robert Szymytkie	Long-term suburbanization around large Polish cities
14:15 – 14:30	Luděk Krtička, Martin Bárta, Petr Dvořák, Marcin Spyra	Characteristics of Brownfields in the Cross-Border Region of the Moravian-Silesian Region and the Silesian Voivodeship
14:30 – 14:45	Wojciech Jurkowski	Socio-Psychological Barriers to Sustainable Transport: Insights from Poland