



IAG RCG 2025
16 – 18 September, Timișoara

Geomorphology for society: challenges and opportunities

16 September (Tuesday)

8:00 - Registration (registration desk - central hallway, first floor)

9:00-10:00 Opening ceremony (Room Aula Magna, access from first floor and ground floor)

Mădălin Bunoiu, West University of Timișoara Vice-Rector
 Sebastian Jucu, Geography Department, West University of Timișoara
 Florin Tătui, President of the Romanian Association of Geomorphologists
 Sunil Kumar De, President of the International Association of Geomorphologists
 Chiara Martinello, Ciro Cerrone, IAG Network of Young Geomorphologists' Groups
Organisational issues

10:00-10:15 Coffee break

10:15-11:30 IAG General Assembly (Room Aula Magna)

Open to all participants

11:30-12:30 Keynote lecture 1 (Room Aula Magna)

Edward ANTHONY

Delta sustainability: a perspective from the Anthropocene that projects into the future

12:30-14:00 Lunch – [Vineri 15 Restaurant](#)

14:00-16:00 Oral presentations (* presenting author) – Parallel Sessions I

<u>Room A11 – first floor</u>	<u>Room A01 – ground floor</u>	<u>Room AIM – ground floor</u>	<u>Room A02 – ground floor</u>
<p>TS13 - Karst geomorphology: a modern perspective</p> <p>Chairs: Rannveig Skoglund, Francisco Gutiérrez</p>	<p>TS15 - Methods and tools for monitoring and modelling sediment fluxes in mountain environments</p> <p>Chairs: Achim Beylich, Armelle Decaulne</p>	<p>TS14 - Landslides in climate change circumstances (I)</p> <p>Chairs: Chiara Martinello, Alessandro Mondini</p> <p><i>co-organized by the IAG-International Consortium on Landslides and the International Geographical Union, Commission on Hazard and Risk</i></p>	<p>TS2 - Advancing theory and modelling of river systems</p> <p>Chairs: He-Quing Huang, Gabriela Ioana-Toroimac</p> <p><i>organized by the IAG WG Advancing theory and modelling of river systems</i></p>

1. Revealing coastal subsidence by Quaternary faults through karst vadose records Daniel Ballesteros	1. What do we learn on the dynamic of a subarctic slope from multiproxy signatures (Raspberry site, Clearwater Lake, Nunavik, Canada)? Armelle Decaulne	1. A complex landslide as a complex field laboratory: 30 years of Cereniste site research Filip Hartvich	1. Evaluating discharge dynamics and geomorphic adjustments after river training on the high-energy river system in the Western Carpathians (Slovakia) Akhtar Zeb Khan
2. Dolines as fire refuges: example of Kras plateau and wildfire event 2022, Slovenia Špela Čonč	2. Sediment fingerprinting for river basin applications: latest developments of the FingerPro Model Leticia Gaspar	2. A dense concentration of landslides with permafrost molards in Alaska Susan J. Conway	2. The transformative impact of dams on large river systems - insights from the Vistula, Dnieper, and Danube Małgorzata Luc
3. Tectonic and diapiric geomorphology in the Jahani salt extrusion, Zagros Mountains, Iran Francisco Gutiérrez	3. Exploring weathering processes at rockwalls in steep Norwegian mountain valleys based on a ten-year record of rock temperatures Katja Laute	3. The influence of geomorphological terrain characteristics on snow cover dynamics as preparatory process for landslides Michele Delchiaro	3. Objective river segmentation based on sinuosity and confinement indices: a multi-scale geomorphological approach with applications to Sicilian rivers Claudio Mercurio
4. Morphometry and evolution of salt karren using multi-temporal photogrammetry Guillermo Pérez-Villar		4. Mapping landslide susceptibility under different rainfall scenarios Francesco Caleca	4. A physical method for distinguishing the factors controlling the formation of different river channel patterns He-Quing Huang
5. Glacial controls on cave development and landscape evolution. Lessons from Stortuvhola, Northern Norway Rannveig Øvrevik Skoglund		5. Emilia-Romagna, Italy: could the landslide phenomena of May 2023 have been predicted? Chiara Martinello	5. DANube SEDiment Restoration (DANSER): towards deployment and upscaling of sustainable sediment management across the Danube River basin (Upper Danube DEMO activities) Ronald Pöppel
6. Implications of geomorphic connectivity for the depositional context of caves: an example from Trascau Mountains, Western Romania Maria-Laura Tîrlă		6. A hybrid deep learning network for landslide susceptibility assessment Shaoqiang Meng	
		7. Failed volcanic tableland: why does arid Patagonia host some of Earth's largest landslide terrains? Tomáš Pánek	
16:00-16:30 Coffee break			
16:30-18:00 Oral presentations (* presenting author) – Parallel Sessions II			
<u>Room A01 – ground floor</u>	<u>Room A11 – first floor</u>	<u>Room AIM – ground floor</u>	<u>Room A02 – ground floor</u>

TS21 - Tectonic geomorphology Chairs: Konstantinos Tsanakas <i>organized by the IAG WG Tectonic Geomorphology</i>	TS10 - Geomorphology and coastal communities: a geoarchaeological approach Chairs: Pietro Aucelli, Gaia Mattei <i>organized by the IAG WG Coastal Geoarchaeology</i>	TS14 - Landslides in climate change circumstances (II) Chairs: Susan Conway, Katja Laute <i>co-organized by the IAG-International Consortium on Landslides and the International Geographical Union, Commission on Hazard and Risk</i>	TS12 - Glacial geomorphology and chronology (I) Chairs: Emil Gachev, Răzvan Popescu
1. Morphological Changes in the Mud Volcanoes of Buzau: Insights from Historical Data and Recent UAV-Based Monitoring in the Context of Vrancea Seismicity Alexandra Petrescu	1. Landforms and distribution of archaeological sites in the Lower Thu Bon River Plain, Central Vietnam Ayako Funabiki	1. Accurate Landslide Dating Using Sentinel-1 and Sentinel-2 Data in Google Earth Engine Liborio Barbera	1. Reconstructing Late Pleistocene glacier dynamics in the Southern Carpathians (Romania) with the Parallel Ice Sheet Model Cristina Balaban
2. Response of fluvial systems to Quaternary sedimentation and neotectonic deformation on an alluvial fan surface Ujwal Deep Saha	2. Landscapes and seascapes of the lagoon of Venice in antiquity Paolo Mozzi	2. Morphometric analysis using Multi-Temporal LiDAR DTMs: the Ca' Lita landslide case (northern Apennines, Italy) Gianluigi Di Paola	2. The longest Pleistocene glaciers on the Balkan Peninsula: certain facts and open debates Emil Gachev
3. Large landslides in active tectonic areas: assessing the role of seismic events in slope movements using InSAR data in the Western Gulf of Corinth, Greece Francesco Seitone	3. Significance of geodynamic processes in the development of a medieval town: A case study of geoarchaeological research in Torun on the Vistula River (Poland) Jacek B. Szymańda	3. Integrating Pixel and Slope Units for Spatial Prediction of Tropical Storm-Induced Landslides in El Salvador Christian Conoscenti	3. Timing of maximal advances and post-LGM glacier withdrawal in the Parang Mountain Group (Southern Carpathians, Romania) Piotr Kłapyta
4. Tectono-sedimentary evolution of a marginal fault: Insights from the Dead Sea Transform Fault System Nurit Shtober-Zisu	4. Volcanogenic coastal modifications and human adaptation strategies: 2400-year geoarchaeological records in the Campi Flegrei caldera (Southern Italy) Gaia Mattei	4. Post dynamics of storm-triggered landslides after their initial failure - Observations and current challenges from Granitztal (Carinthia, Austria) Edoardo Carraro	4. Glacial imprint on quartz grains from Pleistocene glaciers of different ages in Tatra Mts. (Carpathians) regardless of glaciers' parameters Dawid Siemek
5. Mobility of the Hron River drainage divides: from regional active drivers to local passive controls Ján Novotný	5. Late Quaternary seismic stratigraphy and morphology of the shelf-incised Krka River valley (eastern Adriatic coast) Natalia Smrkulj	5. Global distribution of landslide events as a function of climatic and anthropogenic factors Katja Laute	5. ZOSSM - zone of superimposed subaqueous megadunes in the vicinity of Serwy Lake, NE Poland Mateusz K. Suwiński
6. The role of tectonics and river network in shaping the landscapes of the Sultanate of Oman Andrea Pezzotta		6. Insights into the relationship between extreme rainfall and slope instabilities in the Apennines Mountain chain, Italy Stefano Morelli	6. Late-Quaternary Glacial History in the Milang Watershed, Lahaul Himalaya, Western Himalayas Sandip Tanu Mandal
18:00-19:00 Poster session I (* presenting author) - TS2, TS5, TS10, TS13, TS14, TS15, TS21 (central hallway, first floor)			
TS2 - Advancing theory and modelling of river systems			

1. Riverine forest dynamics through the lens of remote sensing Hamid Afzali
2. Morphological quality index in Sicily: application to the San Bartolomeo basin (North-western Sicily) Viviana Bellomo
3. Application of hydrodynamic modeling and geostatistical analyses for assessing spatial variability and sedimentation conditions of suspended solids in dam reservoirs Piotr Gierszewski
4. Investigation of the spatial and temporal relationship between floodplain levels along the Hungarian and Serbian sections of the Danube Sándor Hajdu
5. Using historical cartography and remote sensing to reconstitute the recent trajectory of the Lower Danube River's islands Gabriela Ioana-Toroimac
6. Long-term cross-sectional changes in the regulated Lower and Middle Tisza River in Hungary Kristóf Németh
7. Delineating the erodible corridor as a tool for predicting future river dynamics: the case study of the Serio River (Italy) Sharon Pittau
8. New insights into the geomorphological and tectonic evolution of the Danube at the Iron Gates and the Western Moesian Platform Ioana Perşoiu
9. Latest Quaternary rapid river incision across an inactive fold in the northern Chinese Tian Shan foreland Xiangmin Zheng
TS5 - Connectivity in geomorphology
9. Dirty Roads: how roadside macrolitter enters and moves through the environment Wojciech Haska
10. Testing of OSL sensitivity and ESR parameters as proxies for geomorphological processes in fluvial and eolian environments Gergő Magyar
TS10 - Geomorphology and coastal communities: a geoarchaeological approach
11. Coastal caves and human-environment interactions: insights into Late Quaternary sea-level and paleo-landscape evolution in Cilento (Southern Italy) Alessia Sorrentino
12. Geomorphology and archaeology of the coastal town of Pisaurum and surrounding areas (Marche Region, Italy) Laura Valentini
13. Holocene to near-future changes of the southern Molise coast (southern Italy) influenced by natural and anthropogenic factors Gianluigi Di Paola
TS13 - Karst geomorphology: a modern perspective
14. Asymmetric dolines in the Central Styrian Karst: a periglacial imprint? Christian Bauer
15. Role of dissolution in the formation of "pseudokarst" relief in the Stolowe Mts (SW Poland) Filip Duszyński
16. Environmental and landscape meaning of the tufa deposits in a cultural context: the case of Anana Salt Valley (Alava, Spain) María José González-Amuchastegui
17. Geomorphological and microclimatic evidence of periglacial processes in caves – the case of Samograd and Budina ledenica caves (Croatia) Nenad Buzjak
18. Using cave surveys to unravel speleogenetic conditions. The Lefka Ori karst massif on Crete island, Greece Christos Pennos
19. The karst landscape of the Dhofar Mountains (Sultanate of Oman). Landforms and human exploitation at the edge of the Indian Ocean Monsoon Andrea Pezzotta
TS14 - Landslides in climate change circumstances
20. A hybrid deep learning framework for analysis and prediction of reservoir landslide displacements Shaoqiang Meng

21. Landslide disaster risk reduction: geomorphic services and the modern challenges of global change Mihai Micu
22. Glacier retreat and recent landslides in Patagonia: A Post-Little Ice Age inventory Matěj Slíva
23. Investigating the response of slow-moving landslides to climate change: a case study from the Modena Apennines (Northern Italy) Vittoria Vandelli
TS15 - Methods and tools for monitoring and modelling sediment fluxes in mountain environments
24. Analysis of chemical and mechanical denudation rates in a cold-climate mountain environment in central Norway (upper Driva drainage basin) Achim A. Beylich
25. Assessment of fluvial transport dynamics in high-mountain environments using OSL properties Kíra Khern
26. Sediment mediated elemental transfer from forests and agricultural slopes to Phewa Lake, Nepal Ana Navas
27. Identifying Predominant Exogenic Processes in a Small High-Mountain Catchment Using Supervised Learning Ivan Sheremetev
TS21 - Tectonic geomorphology
28. Morphotectonic processes and their outcomes at the Northern Apennine front in the Oltrepo Pavese area (Sheet 160 - Pavia CARG Project, South-western Lombardy, Italy) Paola Bellotti
29. TnT - Tectonics and topography. Geomorphic markers of tectonic deformation in sandstone areas, NW Intra-Sudetic Trough, Central Europe Wioleta Porębna
19:00-20:00 Welcome cocktail – Vineri 15 Restaurant

17 September (Wednesday)

8:00 - Registration (registration desk - central hallway, first floor)

9:00-10:00 Keynote lecture 2 (Room Aula Magna)

Matthias VANMAERCKE

Understanding gully erosion and its impacts in a changing world

10:00-10:30 Coffee break

10:30-12:30 Oral presentations (* presenting author) – Parallel Sessions III

<u>Room A02 – ground floor</u>	<u>Room A01 – ground floor</u>	<u>Room AIM – ground floor</u>	<u>Room A11 – first floor</u>
<p>TS1 - Advancing coastal dynamics: multidisciplinary approaches to relative sea-level change and tectonic uplift</p> <p>Chairs: Ciro Cerrone, Giuseppe Corrado</p>	<p>TS16 - New approaches in virtual fieldtrips in geomorphology</p> <p>Chairs: Anna Karkani, Mihaela Verga</p> <p><i>organized by the IAG WG Virtual trips in Geomorphology</i></p>	<p>TS9 - Geomorphological hazards and risk management (I)</p> <p>Chairs: Susana da Silva Pereira, Takashi Oguchi</p> <p><i>co-organized by the IAG IAGGeomHaz WG and the International Geographical Union, Commission on Hazard and Risk</i></p>	<p>TS6 - Extreme events, human impact and denudation: synergistic effects</p> <p>Chairs: Eliza Placzkowska, Ionela Rachita</p> <p><i>organized by the IAG WG DENUCHANGE</i></p>

<p>1. The million-year-old coral reef sequence in southern Cuba: a reference for sea-level reconstructions</p> <p>Denovan Chauveau</p>	<p>1. A Digital Odyssey: Exploring Glaciokarst and Endangered Flora in the Dinaric Karst via Virtual Reality</p> <p>Mateja Breg Valjavec</p>	<p>1. A susceptibility-oriented approach for regional landslide inventory implementation in Sicily</p> <p>Giulia Di Frisco</p>	<p>1. The extreme meteorological event of 29th-30th June 2024 in the Western Italian Alps and the effects on tourist settlements</p> <p>Irene Maria Bollati</p>
<p>2. The influence of tectonic and climatic oscillation on the evolution of Fondi alluvial-coastal plain (Italy) since Late Pleistocene: new constraints from core analysis and surface investigations</p> <p>Andrea Gionta</p>	<p>2. A synthetic world for virtual field trips and serious gaming</p> <p>Martin Mergili</p>	<p>2. The Kagbeni flood event (August 13, 2023), Mustang District (Nepal): triggers, sediment cascades, aggravating infrastructures, and risk management</p> <p>Monique Fort</p>	<p>2. Human impact and erosion susceptibility in high mountain areas: a case study of ski resorts in the Rhaetian Alps</p> <p>Joanna Fidelus-Orzechowska</p>
<p>3. The impact of sediment erodibility on levee breaches</p> <p>Joep Storms</p>	<p>3. Virtual field trips to address sea-level changes: West Naxos as a case study</p> <p>Evangelos Spyrou</p>	<p>3. Integrating advanced remote sensing techniques and modelling for landslide and soil erosion risk assessment in Val d'Orcia (Tuscany), Italy</p> <p>Olga Nardini</p>	<p>3. Human geomorphology of the Cancano and San Giacomo reservoirs area (Northern Italy): a multitemporal analysis of landscape transformation in the Central Alps</p> <p>Luca Forti</p>
<p>4. Detecting fault-controlled subsurface structures in coastal environments: a case study from Marinello</p> <p>Francesco Gregorio</p>	<p>4. Virtual Fieldtrips in Geomorphology</p> <p>Niki Evelpidou</p>	<p>4. Research projects to analyze and compare landslides in Japan, Romania, and Italy</p> <p>Takashi Oguchi</p>	<p>4. Extreme erosion in the Carpathians - long-term research on experimental plots</p> <p>Małgorzata Kijowska-Strugała</p>
<p>5. Integrated geomorphological map of terrestrial and submarine landforms of the Gulf of Corinth and surrounding region (Greece)</p> <p>Sofia Rossi</p>	<p>5. GeoVT: A Virtual Reality application to enhance geoeducation on Geomorphology, Geohazards and Geoheritage</p> <p>Giannis Saitis</p>	<p>5. Challenges in modelling landslide susceptibility on terraced slopes in the Douro Valley (Portugal)</p> <p>Susana Pereira</p>	<p>5. Tracing high-energy transport: microtextures of quartz grains in glacial lake outburst flood sediments from NE Poland</p> <p>Joanna Martewicz</p>
<p>6. The Uplifted Marine Terraces of the Laconic Peninsula (Greece): insights into the tectonics of the Hellenic Subduction Zone</p> <p>Alessia Sorrentino</p>	<p>6. STEAM education in geosciences: The role of Virtual Field Trips</p> <p>Evangelos Spyrou</p>	<p>6. The 2024 Thame glacial lake outburst flood (GLOF), Khumbu Nepal - causes, consequences, and lessons for GLOF hazard assessment</p> <p>Kristen Cook</p>	<p>6. Climatic and anthropogenic drivers of Holocene dune formation in the Carpathian Basin</p> <p>György Sipos</p>
<p>7. Active deformation and faulting on Kythera Island: insights into offshore subduction zone dynamics</p> <p>Konstantinos Tsanakas</p>		<p>7. Assessing permafrost thawing hazard and risk for modern infrastructure and cultural heritage in Svalbard</p> <p>Line Rouyet</p>	<p>7. Evolution of the anthropogenic relief of the Belchatow and Szczerców Outcrops (central Poland)</p> <p>Lucyna Wachecka-Kotkowska</p>
		<p>8. Slope mapping and process modelling - new nationwide susceptibility map for debris flows and shallow landslides in Norway</p> <p>Lena Rubensdotter</p>	

12:30-14:00 Lunch – [Vineri 15 Restaurant](#)

14:00-15:30 Oral presentations (* presenting author) – Parallel Sessions IV

Room A02 – ground floor)	Room A01 – ground floor)	Room AIM – ground floor	Room A11 – first floor
<p>TS12: Glacial geomorphology and chronology (II) Chairs: Cristina Balaban, Piotr Kłapyta</p>	<p>TS8: Geodiversity and geoheritage for sustainable development (I) Chairs: Lucie Kubalíková, Zbigniew Zwolinski <i>organized by the IAG WG on Geomorphosites and WG on Dynamic geodiversity of critical zones in mountain areas and polar regions DYNAgeoZONES</i></p>	<p>TS9: Geomorphological hazards and risk management (II) Chairs: Kristen Cook, Vittoria Vandelli <i>co-organized by the IAG IAGGeomHaz WG and the International Geographical Union, Commission on Hazard and Risk</i></p>	<p>TS7: From land to badland - past, present and future Chairs: Milica Kašanin-Grubin, Nevena Antić <i>organized by the IAG WG Badlands</i></p>
<p>1. Cirques and glaciation in the Balkans - a new piece of the mosaic: the cirques of Rila and Pirin Mts Tamás Telbisz</p>	<p>1. The natural and cultural heritage of the Sub-Tatra Region (Southern Poland, Northern Slovakia) in the light of the latest research on geodiversity and geoheritage Anna Chrobak-Żuffová</p>	<p>1. Coastal multi-risk assessment in north-west Malta (Central Mediterranean Sea) Vittoria Vandelli</p>	<p>1. An integrated expert-based methodological framework to map badlands in different morpho-climatic contexts: preliminary results Alberto Bosino</p>
<p>2. West-East asymmetry of the main crest of Făgăraș and Rila Massifs documents the polycyclic glacial shaping Adrian-Florin Vasile</p>	<p>2. Assessing the potential of viewpoints in geomorphological education and geotourism (case study: Vistula River valley, E Poland) Wojciech Zgłobicki</p>	<p>4. Innovative approach for landslide vulnerability assessment using InSAR data at the regional scale Francesco Poggi</p>	<p>2. Can mineralogy explain weathering and erosion patterns in badlands? Milica Stefanović</p>
<p>3. Unique subglacial landsystems in northern Poland as a record of catastrophic meltwater flows Wojciech Wysota</p>	<p>3. Geomorphological, hydrometeorological and sedimentological surveys to support an inventory of geoheritage sites in the Jebel Demmer (Dahar Plateau, Southeastern Tunisia) Mohamed Houcine Kharchoufi</p>	<p>3. Putting regional landslide susceptibility maps to work: bridging statistical assessment to territorial planning and civil protection (the SUFRA project in Sicily, Italy) Edoardo Rotigliano</p>	<p>3. Flood events in a Mediterranean badlands area - recording in suspended sediment concentration in an instrumented catchment Jaroslaw Cebulski</p>
<p>4. A peculiar style of valley-type glaciation during the Alpine LGM: insights from the Seckauer Tauern, Austria Jerzy Zasadni</p>	<p>4. Geomorphological diversity of sandstone tabular hills of Ostas and Hejda (Broumovska vrchovina, Czechia) Maria Kotowska</p>	<p>4. Mapping and assessment of Coastal Erosion Susceptibility using MARS-based modelling Grazia Azzara</p>	<p>4. Seasonal and meteorological influences on erosion dynamics in mountainous badlands: insights from Terrestrial Laser Scanning and Sediment Traps Ona Torra</p>
<p>5. 10Be data from Făgăraș and Retezat Massifs set the timeframe of the last glacial activity in Southern Carpathians during Younger Dryas and Early Holocene Daniela Pascal</p>	<p>5. Risk assessment of geomorphosites and its implications for geoconservation measures Lucie Kubalíková</p>	<p>5. Monitoring the trend of changes in desertification hazard warning areas based on remote sensing and thresholding techniques Michele Delchiaro</p>	<p>5. Human impact on erosion dynamics of Italian badlands over the last 70 years: insights from the BAD2BED Project Francesca Vergari</p>

	6. Geodiversity assessment in landscape geomorphosites: a macro-scale approach to geoheritage evaluation Alicja Najwer	6. A Comparative Analysis of Traditional and Remote Sensing Methods for Early Warning of soil erosion in Maharloo Watershed Michele Delchiaro	6. Exploring volcanoclastic badlands: insights from Kazar and Djavolja Varos, Serbia Nevena Antić
15:30-16:00 Coffee break			
15:30-16:30 IAG Council Meeting (Room A01 – open to National Delegates)			
15:30-16:30 Posters session II (* presenting author) - TS1, TS6, TS8, TS9, TS12, TS16 (central hallway, first floor)			
TS1 - Advancing coastal dynamics: multidisciplinary approaches to relative sea-level change and tectonic uplift			
1. Sea-level fluctuations along the southern Brazilian Atlantic coast during the Late Quaternary Ciro Cerrone			
2. Quaternary evolution of the main Tyrrhenian coastal plains of central and southern Italy: interaction between climate and tectonics Giuseppe Corrado			
3. A 5,500-year sedimentary record investigating coastal evolution, past tsunamis and extreme wave events in the Messenian Gulf (Southern Peloponnese, Greece) Efthimios Karymbalis			
4. Inundation scenarios along the northern coast of Amvrakikos Gulf (Western Greece) due to sea-level rise induced by climate change Efthimios Karymbalis			
5. Mapping uplifted marine terraces along the southeastern coast of Messiniakos Gulf, Peloponnese Kanella Valkanou			
TS6 - Extreme events, human impact and denudation: synergistic effects			
6. Natural and human drivers of contemporary denudation in Mediterranean drainage basins in eastern Spain Achim A. Beylich			
7. Impact of rainfall erosivity indices (EIt) on soil erosion in a small lowland catchment in Western Pomerania, Poland Mikołaj Majewski			
8. Geomorphic response of highly confined fluvial systems to severe storm events, Northern Apennines Andrea Masini			
9. Changes of the stabilized cliff coasts of the Szczecin Lagoon (Wolin Island, Poland) Renata Paluszkiwicz			
10. Source apportionment of solutes in a headwater stream: identification of runoff components Eliza Płaczowska			
11. Temporal trends of extreme avalanche events in recently deglaciated areas of Greater Caucasus Mountains Olimpiu Pop			
12. Unravelling sediment dynamics in the Sikkim-Darjeeling Himalayas: extreme events, human impact, and hydrological alterations Paweł Prokop			
13. Reconstruction of snow avalanche activity revealed by tree-rings in Piatra Craiului Mountains (Southern Carpathians, Romania) Ionela Georgiana Răchită			
14. Spatial variation of the cliff top retreat rate of the Southern Baltic Sea (Poland) Marcin Winowski			
15. Seasonal variability of morphodynamic types of the southern Baltic cliff coasts under conditions of climate change Marcin Winowski			
TS8: Geodiversity and geoheritage for sustainable development			
16. Geoheritage and cultural heritage of the Dells of the Wisconsin River, WI, USA Anna Chrobak-Žuffová			
17. Geoheritage of Silesian Upland - appreciated, unknown, lost Renata Dulias			

18. Geomorphological heritage in Nevado Coropuna (Peru). A proposal for the future Manuel Gómez-Lende
19. Lab2Go: a hands-on geoeducation program for high school student orientation in Rome, Italy Alessia Pica
20. Geomorphological heritage and landscape in Canal Roya and Izas valleys (the Pyrenees). Towards sustainable development based on a natural protected area Enrique Serrano
21. The contribution of geomorphodiversity to the sustainable development of the Apennine inner areas: the case study of the Matese Mountains karst landscape (Southern Italy) Gianluigi Di Paola
TS9 - Geomorphological hazards and risk management
22. Considerations on Snow Avalanche Activity. Case Study: The Southern Half of the Eastern Slope of the Bucegi Mountains, Romanian Carpathians Diana-Alina Bodea
23. Geomorphological hazards in the Belvedere Glacier area (Italian Alps): a multidisciplinary approach to a complex and intensely-evolving environment Irene Maria Bollati
24. Benefits from the outputs of UAV Digital Photogrammetry technique in the investigation of lateral spreads and block slides Stefano Devoto
25. Flood exposure aspect of environmental injustice against segregated Roma communities in North-Eastern Slovakia Marián Jančovič
26. Seasonal flood hazard assessment with usage of remote sensing Lukáš Michaleje
27. The influence of landslides on the modification of drainage divides parameters - a case study from the Polish Outer Carpathians Anna Mitura
28. Combining remote sensing and species distribution models to assess how flood disturbances affect wildlife species distribution in the central Zagros, Iran Soheyl Moradi
29. The influence of snow avalanches on the treeline and tree islands. Case study: Sinaia Ski Resort Denisa-Tabita Muszkopf
TS12: Glacial geomorphology and chronology
30. Current geomorphological processes in the middle mountain in Aliva Luis Ernensto Diez Fariñas
31. The hidden glacial landscape of the Monti della Laga (Central Apennines, Italy) Luca Forti
32. Geomorphometric analysis of glacial curvilineations: a case study from the Komorze Lake, N-W Poland Ewelina Lipka
33. Linking glacier area loss and temperature rise in the Chhombu Chhu watershed of Tista Basin, Sikkim Himalaya Sunil Kumar De
34. Scalloped cliffs in the outcrops of north pole of Mars Akhila Nair
TS16 - New approaches in virtual fieldtrips in geomorphology
35. Developing engaging Virtual Reality landslide experiences for museum audiences: lessons from a case study for the Wildalpen landslide (Austria) Hanna Pfeffer
36. A virtual geo-journey to Samaria Gorge Evangelos Spyrou
37. Reaching the unreachable: virtual field trips for geoheritage enhancement and geotourism promotion Vittoria Vandelli
38. Virtual tour and 3D reconstruction of volcanic landforms at the 1858 lava flow field of Somma-Vesuvius (Italy) Ettore Valente
16:30-19:00 Mid-conference field trip
19:00-22:00 Festive dinner: Recas Winery , Timiș county

18 September (Thursday)

8:00 - Registration (registration desk - central hallway, first floor)

9:00-10:00 Keynote lecture 3 (Room Aula Magna)

Petru URDEA

*From the classical geomorphology theories to
modern studies on periglacial landforms and permafrost in the Romanian Carpathians*

10:00-10:30 Coffee break

10:30-11:30 Poster presentations III (* presenting author) - TS3, TS4, TS7, TS11, TS17, TS19, TS20 (central hallway, first floor)

TS3: Biogeomorphology in the Anthropocene: challenges and new approaches

1. Biogeomorphological interaction of large woody debris with river channels identified by remote sensing data [Miloš Rusnák](#)
2. Quantitative Analysis of the Zoogeomorphological Impact of Rodents in the Semenic Mountains, Romanian Carpathians [Ana Ianăș](#)
3. How humans as geomorphic agents affect the spatial distribution of plant communities? [Alessia Pica](#)

TS4: Coastal systems under pressure: integrating methods to reveal human impact

4. Application of complex geo-ecosystem approach in assessing human impact on beach-dune landforms and habitats along the South Bulgarian Black Sea Coast [Ahinora Baltakova](#)
5. Investigating spatial variations in hurricane storm surge sedimentation: a follow-up study of hurricane Ike on the Texas Gulf Coast [Joshua Hodge](#)
6. Assessing coastal vulnerability in Finland: a geomorphological approach using the coastal vulnerability index and Earth Observation data [Niki Evelpidou](#)
7. Short term changes in the Arctic gravel beach morphology [Zuzanna Swirad](#)

TS7: From land to badland - past, present and future

9. Uncovering new badland sites: a study of sediment properties in Salamanca, Spain [Nevena Antić](#)
10. Assessment of pseudo-badlands forms and features through multi scale-multi sensor geomorphological approach in alpine context: the 'Becca d'Aver DsGSD' case study, Aosta Valley, (Italy) [Alberto Bosino](#)
11. Image analyses as a tool for estimating fractal geometry of surface cracks in Badlands [Milica Kašanin-Grubin](#)
12. High-detailed topographical change detection on small-scale biancane landscape in Basilicata region (southern Italy) [Antonella Marsico](#)
13. Tracing sediment dynamics: present-day evolution of the Rio della Rocca badlands via multitemporal LiDAR [Misra Pavani](#)

TS11: Geomorphology and society

14. Comparison of guidelines and databases for the production of geomorphological maps with a social application: the cases of Italy and Spain [Laura Franceschi](#)
15. Influence of human activity on the hydromorphological state of mountain rivers in the Polish and Romanian Carpathians [Małgorzata Kijowska-Strugała](#)

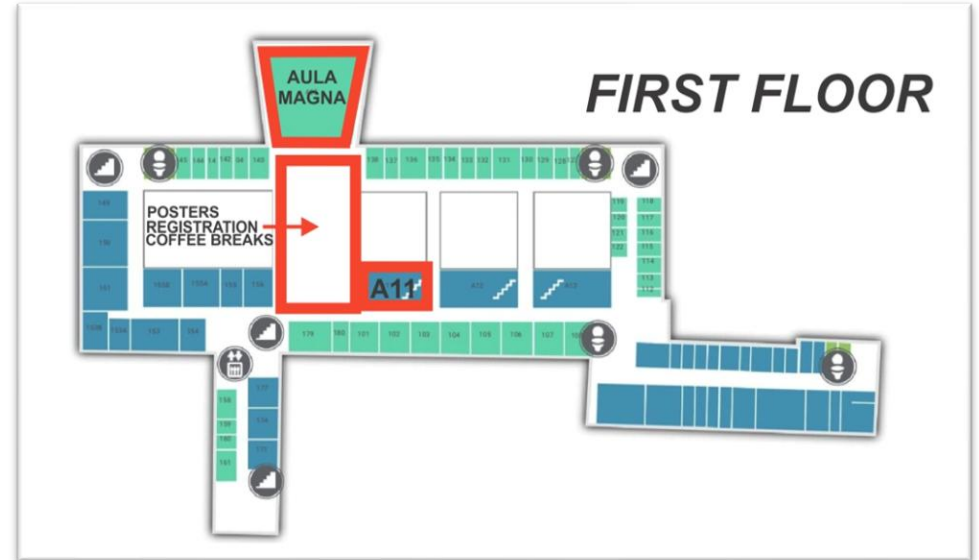
16. Local community perception of the Eurasian beaver (Castor fiber) in the Carpathians Małgorzata Kijowska-Strugała			
TS17: Permafrost and periglacial processes in climate changes context			
17. Temperatures trends in Picos de Europa ice caves (Northern Spain) Manuel Gómez-Lende			
18. Paraglacial dynamics and hydro-geomorphic responses to Global Change in Mediterranean mountain catchment: the Pineta Valley (Southern Pyrenees) Manel Llana			
19. Temperature, hydrogeochemical and isotopic study of alpine springs in the Southern Carpathians, Romania Oana Berzescu			
20. Rock glacier and permafrost degradation in the Pyrenees: recent fast changes Enrique Serrano			
21. 30 years-trend towards a warming cryosphere: changing patterns and implications for the periglacial system in the Central Andes Carla Tapia-Baldis			
22. Slope destabilization and sediment movement in Snezna Cave (Slovenia): impact of extreme weather events Jure Tičar			
23. Changing permafrost features on Yamal as seen from space Annett Bartsch			
24. Time-lapse joint inversion of seismic refraction and electrical resistivity monitoring data for more reliable estimates of ground ice content changes Cécile Pellet			
TS19: Remote sensing and modelling of permafrost and periglacial landforms			
25. Building a rock glacier inventory of the Baralacha La area, Western Himalaya, India Tara Tripura Mantha			
26. A comparative analysis of retrogressive thaw slumps across the Northern Hemisphere Eirini Makopoulou			
TS20: Soil erosion processes in a changing climate: theoretical advancements and practical progress			
27. Assessment of the mountain-hiking trails condition and their erosion rates in the Bucegi Mountains, Southern Carpathians, Romanian Carpathians. Case study: the alpine zone Mihai Jula			
28. Typological Diversity of Collapsed Pipes on Thick Loess Covers - A Case Study from Eastern Poland Renata Kotodyńska-Gawrysiak			
29. Assessment of soil erosion intensity caused by land use/cover changes in the Bălăcița Piedmont (Romania) Daniel Simulescu			
11:30-12:30 Oral presentations (* presenting author) – Parallel Sessions V			
<u>Room A01 – ground floor</u>	<u>Room A11 – first floor</u>	<u>Room AIM – ground floor</u>	<u>Room A02 – ground floor</u>
TS3: Biogeomorphology in the Anthropocene: challenges and new approaches Chairs: Daniel Germain, Ana-Neli Ianăș	TS19: Remote sensing and modelling of permafrost and periglacial landforms Chairs: Flavius Sîrbu, Tazio Strozzi	TS5 - Connectivity in geomorphology Chairs: Ronald Pöppl organized by the IAG WG Connectivity in Geomorphology	TS20. Soil erosion processes in a changing climate: theoretical advancements and practical progress Chairs: Anita Bernatek-Jakiel, Matthias Vanmaercke
1. From soil disturbance to biodiversity loss: the environmental consequences of wild boar expansion in Parang Mountains, Romania Daniel Germain	1. A new rockglacier inventory, based on PSI derived moving areas, in the Pirin Mountains Flavius Sîrbu	1. Spatial-temporal transformation of fluvial gravel bars and grain-size dynamics in meandering river MD Ashraf	1. Using semi-automatic methodology and drone survey to identify and monitor the gully erosion in the Moldavian Plateau Ionuț-Costel Codru

2. Satellite imagery for monitoring badland evolution and vegetation dynamics in a global change context Annalisa Sannino	2. Distribution, morphology and processes of sorted patterned ground: a global perspective Norikazu Matsuoka	2. Watershed reorganizations controlled over 4 million years of escarpment retreat in the Patagonian tableland Jakub Kilnar	2. Gully inventory in the Moldavian Plateau, NE Romania Lilian Niacșu
3. Wood and plastic: not fantastic! Exploring the interactions between woody debris and macroplastics in mountain rivers Joanna Zawiejska	3. Monitoring Rock Glacier Velocity (RGV) using satellite SAR Interferometry (InSAR) Tazio Strozzi	3. Sediment disconnectivity drove channel morphological changes: the case studies of two rivers in the Northern Apennines (Italy) Sharon Pittau	3. The geomorphometric signature of gullies in the Moldavian Plateau Denisa-Elena Ursu
	4. Assessing snow cover variability and its climatic drivers over marginal periglacial areas in the Southern Carpathians (2000-2020) using MODIS CGF and ERA5 Data Andrei Ionitã		4. Detection of soil piping-related features at various spatial scales: field studies and remote sensing techniques Anita Bernatek-Jakiel
12:30-14:00 Lunch – Vineri 15 Restaurant			
14:00-15:00 Keynote lecture 4 (Room Aula Magna)			
Irene Maria BOLLATTI <i>Geomorphology for geoheritage monitoring, mapping and sustainable promotion</i>			
15:00-15:15 Transit to parallel sessions			
15:15-17:45 Oral presentations (* presenting author) – Parallel Sessions VI			
<u>Room AIM – ground floor</u>	<u>Room A02 – ground floor</u>	<u>Room A01 – ground floor</u>	<u>Room A11 – first floor</u>
TS4: Coastal systems under pressure: integrating methods to reveal human impact Chairs: Niki Evelpidou, Florin Zăinescu	TS17: Permafrost and periglacial processes in climate changes context Chairs: Cécile Pellet, Alexandru Onaca <i>co-organized by the IAG and the International Permafrost Association</i>	TS8: Geodiversity and geoheritage for sustainable development (II) Chairs: Alicja Najwer, Marco Giardino <i>organized by the IAG WG on Geomorphosites and WG on Dynamic geodiversity of critical zones in mountain areas and polar regions DYNAgeoZONES</i>	TS11: Geomorphology and society Chairs: Jiun-Chuan Lin, Anita Bernatek-Jakiel <i>co-organized by the IAG-International Geographical Union, Geomorphology and Society WG/Commission</i>
1. Geomorphological Implications of Microbially Induced Carbonate Precipitation in Artificial Reefs for Carbon Sequestration and Coastal Protection Giannis Saitis	1. Beyond destabilization: rapid disintegration of an active rock glacier through mass wasting and headward channel incision, Livigno, Italy Francesco Brardinoni	1. An overview of geoheritage in the tropical zone Zbigniew Zwoliński	1. Geohistorical analysis of landscape dynamics trajectories since the mid-20th century through diachronic cartography of Jessour on the Dahar plateau (Southeastern Tunisia) Rihab Abdelkebir
2. High temporal-resolution satellite data analysis of deltaic coastal evolution via Google Earth Engine: Impacts of climate change and increasing anthropogenic pressure	2. Refining long-lying snow Emil Gachev	2. Geosites and geotourism: unlocking the potential of Malta's southern region for sustainable tourism and geoheritage conservation	2. Geomorphology and Society - Practical and application Jiun-Chuan Lin

Alexandru Berbecariu		Stefano Devoto	
3. Sinking coasts: Solving challenges in relative sea-level rise impact and coastal hazard assessments by projecting coastal subsidence and dynamic land elevation change Philip S.J. Minderhoud	3. Deciphering seasonal kinematics of rock glaciers: insights from the Swiss Alps Yan Hu	3. Anthropogenic and natural morphogenesis: equal contributors to geomorphodiversity? Alessia Pica	3. Shaping the peaks: human-driven geomorphological transformations in high-elevation landscapes Roberto S. Azzoni
4. Advancing hydrological monitoring in deltaic environments: a high-resolution approach using SWOT and Machine Learning Florin Miron	4. COLDSPOTS: low temperatures of ground in the Sudetes (Bohemian Massif) Marek Kasprzak	4. Scientific research supporting geoheritage conservation. The case of La Baume cold talus slope, Haute-Savoie (France) Emmanuel Reynard	4. Landslide databases in spatial planning - challenges for mountain communes in the Polish Carpathians Anna Bucała-Hrabia
5. Equilibrium states of wave-influenced river delta lobes and implications of reduced sediment supply Florin Zăinescu	5. The shape matters! Variability of ground temperature and permafrost at a symmetrical mountain summit in the Eastern Alps in the period 2018–2024 Andreas Kellerer-Pirklbauer	5. Geomorphosites as geotouristic resource for local development: study case in Sierra de la Paramera, Spain Enrique Serrano	5. Implications of relief changes in the Anthropocene - case study of the post-mining area in Central Poland Danuta Dzieduszyńska
6. Sea-level rise and coastal vulnerability in Kalamata (Peloponnese, Greece): a GIS and AHP-based socio-environmental assessment Vasiliki Konstantinidou	6. On the influence of ground surface temperature on rock glacier velocity Cécile Pellet	6. Geosystem Services of (selected) abiotic nature resources in a small town within the peripheral tourist area in Central Poland Maria Góraska-Zabielska	6. Geomorphological conditions of the situation of hillforts in Latvian part of Daugava River valley Piotr Kittel
7. Impacts of <i>Posidonia oceanica</i> on coastal morphodynamics in Navarino Bay, Greece Anna Karkani	7. Modelling the thermo-hydrological dynamics of permafrost in fractured rock walls Meven Philippe	Meeting of the IAG Working Group on geomorphosites and DynaGeoZones Working Group	
8. DELTA-HUB: a new EU funded project on river delta science, education and modelling Florin Tătui	8. The micro-frost weathering in the most extreme climatic conditions as an example of the McMurdo Dry Valleys (East Antarctica) Karolina Ulbin		
	9. Use of remote sensing for multi-hazard assessment along Arctic permafrost coasts and settlements Rodrigue Tanguy		
17:45-18:00 Coffee break			
18:00- 19:00 Closing Ceremony (Room Aula Magna first floor)			
<i>Departure of participants</i>			

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