

THE 2ND INTERNATIONAL CONFERENCE
GEOGRAPHICAL SCIENCES
AND FUTURE OF EARTH
12 November 2021



UNIVERSITY OF
BUCHAREST
— VIRTUTE ET SAPIENTIA

CONFERENCE PROGRAMME

9:30 – 11:30 Welcome speech & Plenary session - Meeting link:

<https://unibuc.webex.com/unibuc/onstage/g.php?MTID=e671c69bf50f355f28742148b0c776f76>

- **Professor Marian Preda** - Rector of the University of Bucharest
- **Professor Alexandru Nedelea** – Dean of the Faculty of Geography
- **Associate Professor Constantin-Răzvan Oprea** – Head of the Department of Geomorphology – Pedology – Geomatics
- **Professor Emmanuel Reynard**, Institute of Geography and Sustainability and Interdisciplinary Centre for Mountain Research, University of Lausanne - *Adaptation of mountain areas to climate change: challenges and participation of local populations*
- **Professor Chaouki Benabbas**, Constantine 3 University, Institute of Urban Techniques Management – *Plio-Quaternary tectonic deformation and gravity processes in North-Eastern Algeria*
- **Senior Research Viorel Chendeş**, National Institute of Hydrology and Water Management - *Climate change impact on flood risk - assessment and adaptation strategies*

11:30-12:00 – Lunch break

12:00-15:00 – Oral Presentations

Chairs: Răzvan Popescu, Mihaela Violeta Gheorghe

Chair assistant: Laurențiu Țuțuianu

1. **Abdelhafid Bouzekri, Thomas K. Alexandridis** - *Diachronic Analysis of Changes of Soil Texture Classes Between 2013 and 2019 in the Nemamcha Desert (Algeria)*
2. **Andrei Dornik, Marinela Adriana Chețan, Lucian Drăguț, Daniel Dorin Dicu, Andrei Iliuță** - *Importance of multiscale predictors for digital mapping of soil properties*
3. **Manel Yakhlefoune, Chaouki Benabbas, Florina Grecu, Kharchi Takki Eddine, Abdeldjalil Belkendil** - *Evaluation of morphometric parameters using Geographic Information System (GIS) in the Rhumel watershed - study case north east of Algeria*
4. **Mihaela Violeta Gheorghe, Iuliana Armaș** - *An INSAR based approach for detection and description of active salt diapirs*
5. **Răzvan Popescu, Alfred Vespremeanu-Stroe, Mirela Vasile, Ilie Andrian, Sabina Calisevici, Bogdan Niculiță** - *Chimney circulation at Detunata Goală low altitude permafrost site: six months of high resolution ground air current monitoring*
6. **Laurențiu Țuțuianu, Alfred Vespremeanu-Stroe, Mihaela Dobre, Diana Hanganu, Tiberiu Sava, Ionel Stan, Sabin Rotaru, Luminița Preteasa, Cristian Panaiotu** - *Patterns of landscape evolution and organic matter sink in the Lower Danube Floodplain since Middle Holocene*
7. **Mihaela Dobre** - *Microfauna evidences of Black Sea connection to Mediterranean Sea during MIS 3 highstand*
8. **Ionel Bogdan Stan, Alfred Vespremeanu-Stroe, Luminita Preteasa, Denisa Gabriela-Ungureanu, Laurențiu Țuțuianu, Mihaela Dobre, Alexandru Berbecariu** - *A new method of sea level reconstruction based on particle size analysis of beach ridge plains*
9. **Florin Tătui, Florin Zăinescu, Florin Miron, Alfred Vespremeanu-Stroe, Răzvan Mateescu** - *RORIP1 field experiment for rip currents dynamics on Eforie Nord beach*

Chairs: Laura Comănescu, Constantin-Răzvan Oprea

Chair assistant: Andreea Marin

1. **Laura Comănescu, Alexandru Nedelea** - *Analysis of the touristic value of the geomorphosites from the upper sector of the Argeş Valley and suggestions for their valorization through geotourism*
2. **Ilie Gabriel Cosmin, Florina Grecu** - *Assessment, a significant step in the study of geosites. Applications at Fierbătorile din Berca, Buzău Valley, Romania*
3. **Adriana Bianca Ovreiu, Iulian Andrei Bârsoianu, Constantin Nistor, Alexandru Nedelea, Laura Comănescu** - *Transport infrastructure planning and geomorphological implications. Case study - Cozia Gorge (Brezoi - Călimăneşti sector of the Olt Valley)*
4. **Sorin Gheorghe Carablaisă, Florina Grecu, Mihaela Oglindoiu, Mădălina Teodor** - *Vulnerability of urban space infrastructure in the Orşova depression through to slope instability, caused to extreme weather events*
5. **Roxana Cuculici, Constantin-Răzvan Oprea, Iuliana Vijulie, Marian Ene, Monica-Adriana Oprea** - *Urban geomorphology of a future city. Case study: Floreşti Commune, Cluj County*
6. **Takki Eddine Kharchi, Florina Grecu, Manel Yakhlefoune, Mohamed Chadi, Benabbas Chaouki** - *Change detection of vegetation cover conducted using random forest algorithm in R with QGIS - Case study of the region of Boussaada, Algeria*
7. **Florin Achim** - *Characteristics of the degradation of agricultural surfaces in the Southern Bărăgan Plain, through rain-erosion processes*
8. **Constantin-Răzvan Oprea, Roxana Cuculici, Andreea Marin** - *Dynamics of land use in historical context in the Southern Region of Romania. Case Study: The Vlăsia Plain*

Chairs: Liliana Zaharia , Lucian Sfîcă

Chair assistant: Gabriela Ioana-Toroimac

1. **Lucian Sfîcă, Ionuț Minea, Vlad-Alexandru Amihăesei, Robert Hrițac, Daniel Boicu** - *Ground water levels under climate change pressure in north-eastern Moldova*
2. **Valentina-Mariana Mănoiu, Alexandru-Ioan Crăciun** - *Water Quality and Water Pollution in time of Covid-19: Positive And Negative Repercussions*
3. **Diana Marinela Vasile, Mila Chilikova-Lubomirova, Daniel Constantin Diaconu** - *Evaluation of the degree of artificialization of the urban space and the implications regarding the drainage of rainwater - case study of the Municipality of Bucharest and Ilfov County*
4. **Eduard Luca, Georgeta Bandoc** - *Analysis of significant wave height data in the Black Sea using satellite altimetry measurements and SWAN model simulations*
5. **Gabriela Ioana-Toroimac, Gabriela Osaci-Costache, Liliana Zaharia** - *Spatio-temporal changes of in-stream vegetation area as indicator for river channel dynamics in multi-thread rivers*
6. **Valentin Cocârlea** - *Floods in the Romanian sector of the Danube Valley from the media perspective, between 2000-2020*
7. **Gabriela Adina Moroșanu, Liliana Zaharia, Vlad Petre Țăranu, Theodora Drăgan, Gabriela Ioana-Toroimac** - *The role of large floods in suspended sediment delivery. Case study: Jiu River Basin*
8. **Cristina Georgiana Zanzir** - *Space-time model extraction using as input measured data from hydrometric stations in the Oltenia Plain*
9. **Camelia Bostan** - *The role of water in improving the quality of human life and the environment*
10. **Adriana Ilie, Florina Grecu, Robert Dobre** - *Diachronic analysis of the Buzau riverbed dynamics (Transylvanian Sector) and the impact on transport infrastructure*
11. **Liliana Zaharia, Gabriela Ioana-Toroimac, Gabriela Adina Moroșanu** - *Temporal dynamics and spatial disparities in public water supply in Romania*

Chairs: Adrian Tişcovshi, Dana Maria Constantin (Oprea)

Chair assistant: Remus Prăvălie

1. **Manuela Bărbărie, Anca Albu** - *Quantitative expressions of climate variability in the Black Sea coastal region. Case study: Constanta and Mangalia weather stations*
2. **Dana Maria Constantin (Oprea), Adrian Tişcovshi, Elena Grigore, Irina Onţel, Raul Ilea** - *Aspects concerning the precipitation regime along the Lower Danube River. Case study: Călăraşi-Pătlăgeanca*
3. **Loredana-Elena Havriş** - *Extreme Thermal Indices relevant to agriculture in the Romanian Danube Valley (Drobeta Turnu-Severin – Brăila Sector)*
4. **Alexandru Berbecariu** - *Glacier monitoring over the last 5 years (from 2017 to 2021) using MODIS LST data. Detection, analysis and evolution pattern: A case study of Svalbard Archipelago*
5. **Crina Radu, Mihaela Caian** - *Changes in the breeze cell in climate scenarios*
6. **Remus Prăvălie, Georgeta Bandoc** - *Detecting land-atmosphere carbon fluxes at global scale after 2001*
7. **Vlad Alexandru Amihăesei, Alexandru Dumitrescu, Sorin Cheval** - *Roclib Climate Data Explorer*
8. **Florin Tătui, Adrian Tişcovschi** - *How can we be useful to private sector companies? A wind assessment case study*

Chairs: Mihaela Preda , Amalia Mihaela Oglindoiu

Chair assistant: George Secăreanu

1. **Amalia Niță** - *Insights into the redevelopment of industrial heritage. Case study: Craiova, Romania*
2. **Daria-Petruța Bratu** - *Smart City ideas for Sighișoara. Can a medieval fortress cope with the challenge?*
3. **Gheorghe Lixăndrescu, Adriana Bianca Ovreiu, Alina Simona Caloian, Alexandra Cioclu** - *Analysis of the Romanian transport system in terms of density, connectivity and complexity of communication network*
4. **Mihaela Preda, Ana-Irina Lequeux Dincă, Ana-Maria Taloș, Alina Mareci, Camelia Surugiu, Marius-Răzvan Surugiu** - *Analysing the potential for achieving active ageing in Bucharest*
5. **Ioana-Alexandra Mirea, Alexandru George Moțoiu, Valentin Cocârlea** - *Ghost towns in Romania*
6. **Amalia Mihaela Oglindoiu, Ana-Maria Roangheș-Mureanu, Sorin Gheorghe Carablaisă** - *Geodemographic evolution in urban settlements in Mehedinți county*
7. **George Secăreanu, Ioan Ianoș** - *Gradul de urbanizare diferențiat și dinamica infectării cu COVID-19 în România. O analiza preliminară asupra valului IV*

Chairs: Liliana Dumitrache, Lucian Roșu

Chair assistant: Angelo Andi Petre

1. **Liliana Dumitrache, Florin Zaharia** - *Impact of Covid-19 pandemic on higher education*
2. **Alina Caloian, Alexandra Cioclu, Gheorghe Lixăndrescu, Bianca Adriana Ovreiu** - *Migration dynamics in the South - East Region of Romania in the period 1990 - 2020*
3. **Alexandra Cioclu** - *The potential geographical accessibility to public hospitals for the population in Bucharest' proximity*
4. **Claudiu Bîță** - *The evolution of planning and urbanism in the peri-urban space of Bucharest. Comparative analysis of the cities Otopeni, Bragadiru and Snagov village*
5. **Cosmina-Andreea Manea** - *Quantitative and qualitative analysis of territorial flaws in the urban-rural interfaces. Case study: Mihailesti town - Bucharest city linkages*
6. **Angelo Andi Petre** - *Preliminary Study on the Evaluation of Spatial Accessibility to Highschool Network in Dâmbovița County*
7. **Lucian Roșu, Mihai Bulai** - *Resistance and resilience of tourism destinations in Romania during COVID-19 crisis. A spatial perspective*

Chairs: Cristina Merciu, Natașa Vaidianu

Chair assistant: Titus Bazac

1. **Titus Bazac** - *Identity reconsideration of Carol I Park - the first step in (re)discovering its multiple value*
2. **Florian Alin Butoi, Nicoleta Narcisa Bira, Adelina Teodorescu, Camelia Teodorescu, Andrei Ducman** - *Involvement of cyclotouristic activity in sightseeing in the city of Călărași*
3. **Florentina-Cristina Merciu, George Merciu** - *The impact of deindustrialization and the dynamics of services on industrial heritage. The municipality of Timișoara as a case study*
4. **Natașa Vaidianu, Florin Tătui, Florin Iosub, Olimpia Copăcenaru, Daniel Urdă, Mădălina Popa, Igor Sirodoev, Andrei Schvab** - *TEAM4SEAS Geo-platform - a decision support tool for maritime spatial planning*
5. **Robert Dobre, Cosmin Păunescu, Adriana Ilie, Alexandru Giurea, Mădălina Teodor, Ionuț Săvulescu** - *Multicriteria analysis of favorability for the development of the radial roads - Bucharest Orbital*
6. **Robert Dobre, Mădălina Teodor, Mădălina Pica, Alexandru Giurea, Adriana Ilie, Cosmin Păunescu** - *Development of the metropolitan train concept in Romania*
7. **Sorin Marin** - *Cultural Tourism and the Planetarium Hall of Bucharest Astronomical Observatory*
8. **Ana-Maria Opria, Lucian Roșu, Corneliu Iațu** - *The economic impact of the LEADER program in the Romanian rural territory*
9. **Laurențiu Ciornei, Paula Munteanu, Roxana Cuculici, George Murătoreanu** - *Reducing the gaps between urban and rural areas, in the context of sustainable developments*

Chairs: Ana-Maria Roangheș-Mureanu, Ana-Irina Lequeux Dincă

Chair assistant: Ana Maria Taloș

1. **Ana-Irina Lequeux Dincă, Mihaela Preda, Iuliana Vijulie** - *Authentic gastronomy – a tourist attractiveness factor of Bucharest*
2. **Alexandru Ganusceac, Andreea Andra-Topârceanu, Mihaela Verga, Giampetro Mazza, Donatella Carboni** - *Oenological tourism strategic tool for regional sustainable development, Dealul Mare, Romania*
3. **Marina Antonescu** - *An overview of the renewable energy sector evolution in Romania in the last decade*
4. **Bogdan Petre, Andrei Ducman, Alexandra Cioclu, Alin Florian Butoi** - *Socio-economic features of towns neighbouring Bucharest municipality*
5. **Mădalina Maria Mateescu** - *Impact of travel prohibitions and restrictions in the current context of the covid-19 pandemic*
6. **Oliver-Valentin Dinter, Laurențiu Roșu, Adrian Mihai Cimpu** - *The Future of the Post-socialist Peri-urban Areas*
7. **Ana-Maria Roangheș-Mureanu, Amalia Mihaela Oglindoiu** - *The evolution of the tourist circulation in the urban settlements from Mehedinți county*
8. **Daniela Zamfir, Valentina Stoica** - *Demographic vulnerability of Romanian small towns*

Chairs: Vasile Popa, Camelia Teodorescu

Chair assistant: Nicoleta Larissa Stoia

1. **Vasile Popa** - *Nuclear energy in the context of climate change*
2. **Cristina-Gabriela Mitincu, Alina-Constantina Hossu, Cristian Iojă, Andreea Niță** - *Enhancing the quality of EIA reports: A focus on urban projects from Romania*
3. **Mihai-Răzvan Niță, Cristian Ioja** - *Innovating with nature-based solutions in the Romanian planning system*
4. **Camelia Teodorescu, Alexandra Cioclu, Maria Ciobanu, Cristina Ciocoiu** - *The analysis of the Loan Indebtedness Degree of Romania's population during the years 2002- 2019*
5. **Athanasios-Alexandru Gavrilidis, Diana-Andrea Onose, Simona-Raluca Grădinaru, Ana-Maria Popa, Raluca Slave** - *Experimental assessment of urban green features influences over urban microclimate*
6. **Andreea Ionescu, Alin Pleșoianu, Radu Tudor , Mioara Clius, Ileana Stupariu** - *Can collecting data from media sources be used in spatial analysis? An example for landscape disservices*
7. **Andrei Ducman, Camelia Teodorescu, Andrada-Elena Stoica, Alexandra Cioclu, Alin Butoi** - *Analysis of pollution indicators. Case study: Valjevo, Serbia (November 2020 - November 2021)*
8. **Mihai-Răzvan Niță, Nicoleta Larissa Stoia, Diana-Andreea Onose, Athanasios-Alexandru Gavrilidis, Ana-Maria Popa, Cristian Ioja** - *The green walk – An analysis for improving the accessibility of urban green spaces*

Chairs: Daniela Strat, Gabriel Vânău

Chair assistant: Marian Dumitru Mirea

1. **Daniela Strat, Iuliana-Florentina Gheorghe, Simona Mihăilescu** - *The Biodiversity Conservation in the Lower Danube Valley*
2. **Mihai Pop, Viorel Popescu, Cristian Iojă** - *112, what is your emergency? I called about an animal!*
3. **Viorel Popescu, Mihai Pop, Teodora Sin, Steluța Manolache, Marissa Dyck, Ruben Iosif, Barbara Promberger** - *Dracula's menagerie: interactions between wolf, lynx and wildcat in the Romanian Carpathians*
4. **Marian Dumitru Mirea, Iulia V. Miu, Steluța Manolache, Cristiana M. Pioarca-Ciocanea, Laurențiu Rozyłowicz, Viorel Popescu, Bekka S. Brodie** - *Effectiveness of Natura 2000 network for protecting Rosalia longicorn in Romania*
5. **Alexandra Cioclu, Bogdan Petre, Alin Florian Butoi, Camelia Teodorescu** - *The tourist phenomenon in Busteni resort*
6. **Cristian Iojă, Mihai-Răzvan Niță** - *Global challenges and perspectives of urban protected areas*
7. **Bogdan Olariu, Marina Vîrghileanu, Bogdan-Andrei Mihai, Ionuț Săvulescu, Liviu Toma** - *Forest habitat fragmentation in mountain protected areas using historical Corona KH-9 and Sentinel-2 satellite imagery*
8. **Gabriel Vânău, Iulian Niculae, Sorin Avram, Carmen Gheorghe** - *Spatial data usable for protected area management in Romania*
9. **Mihaela Verga, Andreea Andra-Topârceanu, Andreea Marin, Crina Drăgan** - *The impact of land use on the Danube Delta Ecosystem's Health*

Chairs: Mioara Clius, Florentina Toma

Chair assistant: Laura Cristea

1. **Marian Ene, Constantin-Răzvan Oprea, Roxana Cuculici** - *Education reform and school development in the Internet age*
2. **Camelia Teodorescu, Alina Viorica Dumitrașcu, Bogdan Petre, Maria Ciobanu, Cristina Ciocoiu** - *School cultural and touristic offer during the online teaching period due to the COVID-19 pandemic*
3. **Toma Florentina, Daniel Bălan, Daniel Constantin Diaconu, Cristian Drăghici** - *Students' perception of the classical, hybrid and online teaching-learning-assessment models in the geography discipline*
4. **Mihaela Verga** - *Active learning through students' contribution to research projects. Examples of good practices*
5. **Rosa Colacicco, Mariateresa Balzano, Alessia Marchionna, Paolo Petio, Rodolfo Roseto, Tatiana Sisto, Domenico Capolongo** - *Young mappers: towards a more 'open' Earth*
6. **Mioara Clius, Laura Cristea, Özlem Dede, Banu Tepe** - *Transdisciplinary approaches in Open School type programs with a focus on geography in local communities from Bucharest (RO) and Giresun (TR)*
7. **Valentin Cocârlea, Cristina Maria Popescu, Florentina Toma, Florin Bogdan Petre** - *Developing Key European Competences with the help of interactive learning activities in Geography (5th grade - study case)*
8. **Octavian Mândruț** - *Designing a new high school curriculum for Geography and future fields of reflection*
9. **Iulian Săndulache, Cătălina Săndulache, Mihaela Rașcu** - *The use of photographs in geography lessons. Case study: Southern Carpathians - Geography of Romania, 8th grade*
10. **Dorina Micu** - *The Mind Mapping. An efficient method of teaching and learning geography*
11. **Laura Cristea, Elena Matei** - *Local Education Clusters - Models of STEAM Commitment within Open Schooling Approaches*