



„Alexandru Ioan Cuza” University of Iași

Faculty of Geography and Geology



XXI-st edition

International Conference

Present Environment and Sustainable Development

12-14 June 2026, Iași

Envirogis Association

„Alexandru Ioan Cuza” University of Iași

Faculty of Geography and Geology

Department of Geography



Organizers



Envirogis Association



„Alexandru Ioan Cuza” University of Iași



Faculty of Geography and Geology
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Environmental Geography Group

Partners



National Environmental Guard - Iași Branch



State University of Moldova, Republic of Moldova



The Institute of Ecology and Geography of the Academy of Sciences of the Republic of Moldova



Agenția Națională pentru Mediu și Arii Protejate
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National Association of Aquaculture „ROMFISH”



Romsilva - Regia Națională a Pădurilor



Crama Strunga Winery Iași



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Programme

Friday – 12 June 2026

8:30 – 10:00 - Participants registration

„Alexandru Ioan Cuza” University of Iași, B wing, 3rd floor at Faculty of Geography and Geology, Geography Department

10:00 – 10:30 – Official opening:

Prof. habil. **Liviu-George MAHA**, PhD, Rector of „Alexandru Ioan Cuza” University of Iași, Iași, Romania

Andrei Rudolf CORLAN, General Commissioner Environmental Guard

Assoc. prof. **Adrian URSU**, PhD, Dean of the Faculty of Geography and Geology

Gheorghe BACUȘCĂ, Chief Commissioner, Environmental Guard

Assoc. prof. **Ionuț MINEA** PhD, Head of Department of Geography

Assoc. prof. **Gheorghe JIGĂU** PhD, State University of Republic of Moldova

Eng. **Galea TEMNEANU**, director DJM Iași

10:30 – 11:50 – Plenary presentations

12:00 – 13:00 – Lunch break

13:00 – 15:00 – Thematic Presentations

15:00 – 16:00 – Coffee break and Poster Presentation

16:00 – 18:00 – Thematic Presentations /Workshop

16:00 – 18:00 – Workshop: *Geomorphological hazards and their impact on human settlements in the Moldavian Plateau*

10:30 – 15:00 CET - 1st Annual SustainEd Conference

18:30 – 21:30 – Dinner



Saturday and Sunday – 13-14 June 2026

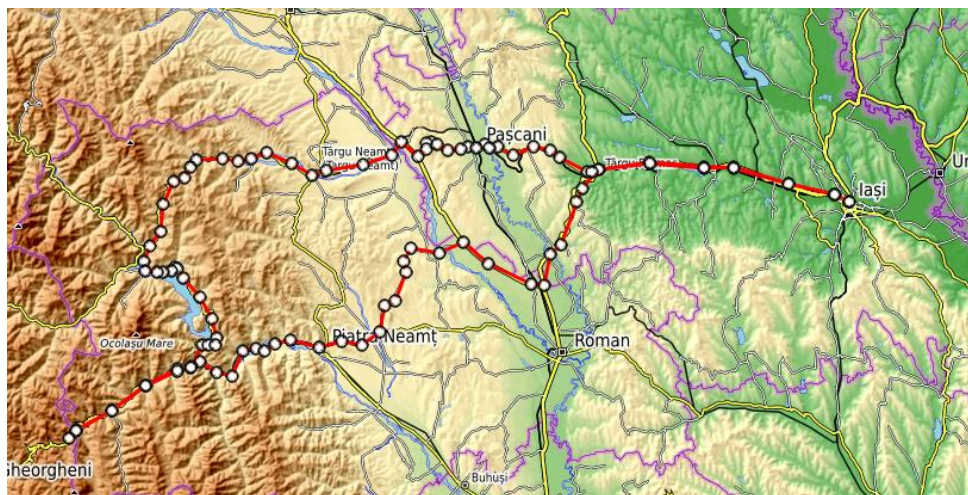
Field application in Neamț County

Departure 8:15 Corp B UAIC

A scientific field trip will be organised during the *Present Environment and Sustainable Development International Conference*, providing participants with the opportunity to explore significant geographical, ecological, cultural, and religious landmarks in northern Romania. The excursion will facilitate field-based observations and discussions on biodiversity conservation, environmental management, sustainable development practices, and the preservation and valorisation of natural and cultural heritage.

The application itinerary includes the following points:

Iași - Crama Strunga (winery) – Piatra Neamț (Bistrița Monastery) – Bicz Gorge - Red Lake (Cheile Bicazului-Hășmaș National Park) – Izvorul Muntelui Dam – Târgu Neamț – Iași (return).



Field trip itinerary



Plenary Session

Time: 10:30

Class: B8

Chairman: Alexandru Ionuț PETRIȘOR; Tudor CASTRAVEȚ

Authors	Affiliation	Title
1. Lilian NIACȘU Mihai-Ciprian MĂRGĂRINT Alexandru RUSU Marina IOSUB Andrei ENEA Daniel BOICU Ionuț-Costel CODRU Ana-Maria ANASTASIEI	„Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Bd. Carol I 20A, 700505, Iasi, Romania	EUROSION – A Pan-European initiative for soil erosion monitoring and sustainable environmental management
2. Antonio-Valentin TACHE ¹ Alexandru-Ionuț PETRIȘOR ^{2,3,1} Liliana-Elza PETRIȘOR ⁴	¹ National Institute for Research and Development in Constructions, Urbanism and Sustainable Spatial Development URBAN-INCERC, Bucharest, Romania ² Doctoral School of Urban Planning, Ion Mincu University of Architecture and Urbanism, Bucharest, Romania; ³ Technical University of Moldova, Chisinau, Moldova; ⁴ Retired architect, independent researcher	Methodology for the design and implementation of green-blue infrastructure and nature-based solutions in the metropolitan areas of large cities in Romania. Case study: Râmnicu Vâlcea metropolitan area
3. Mihai NICULIȚĂ ¹ Tudor CASTRAVEȚ ² Mihai-Ciprian MĂRGĂRINT ¹ Vitalie DILAN ² Georgiana CREȚU- VĂCULIȘTEANU ¹ Nicușor NECULA ¹ Lucia CĂPĂȚÂNĂ ² Silvia SUVAC ² Iradion JECHIU ² Andrei ENEA ¹	¹ „Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Bd. Carol I 20A, 700505, Iasi, Romania; ² „Ion Creangă” State Pedagogical University of Chișinău, Republic of Moldova	Geomorphological hazards mapping at the settlement level in the Republic of Moldova: insights from the cartographic analysis for the last two centuries



4. Gheorghe JIGĂU^{1,2}
Eugen SPRINCEAN¹
Sergiu DOBROJAN^{3,2}
Galina DOBROJAN^{4,3}

¹Institute of Ecology and Geography,
Moldova State University, Chisinau,
Republic of Moldova;

²Scientific Research Center "Natural
Science Integrity", Moldova State
University, Chisinau, Republic of
Moldova;

³Innovation and Technology Transfer
Office, Moldova State University,
Chisinau, Republic of Moldova;

⁴National Botanical Garden (Institute)
"Alexandru Ciubotaru", Chisinau,
Republic of Moldova

**Cadrul biofizic de regenerare a
proceselor tipogenetice
cernoziomice în condiții de
agrolandșafturi de stepă.**



13 CLIMATE ACTION



11 SUSTAINABLE CITIES AND COMMUNITIES



Atmospheric Environment and Climate Change

Time: 13:00 – 18:00

Class: B8

Chairman: Dumitru MIHĂILĂ; Pavel ICHIM; Vlad AMIHĂEȘEI

1. Elena-Aurelia ȚENE ^{1,2} Nicoleta IONAC ¹	¹ University of Bucharest, Faculty of Geography, Doctoral School „Simion Mehedinți”, Bucharest, Romania; ² National Meteorological Administration of Romania, Bucharest, Romania	How air temperature data quality is linked to the representativeness of meteorological stations in Transylvania - online -
2. Aliona ISAC ¹ Vitalie MARDARI ¹ Igor CODREANU ² Iurie BEJAN ² Maxim CORĂBIERU ²	¹ Hydrological Monitoring Department, State Hydrometeorological Service; ² State Pedagogical University	Assessment of drought variation in the Botna River Basin by analyzing the SDI (Streamflow Drought Index) and SPEI (Standardized Precipitation Evapotranspiration Index) indices - online -
3. Laura-Elena PETRESCU ¹ Nicoleta IONAC ¹ Florinela GEORGESCU ²	¹ University of Bucharest, Bucharest, Romania; ² National Administration of Romania, Bucharest, Romania	The economic impact of maximum air temperatures on energy consumption. Case study: Bucharest Băneasa - online -
4. Emanuela LUNGU Florin MOCANU Daniela TRIFAN Alin GHIORGHE Daniel-George ȘERBAN Florina-Loredana ȘERBAN	Agricultural Research-Development Station, Brăila, Romania	Research conducted on the behavior and production of some local triticale varieties in the pedoclimatic conditions of the Brăilei Plain during 2022-2025
5. Vlad AMIHĂEȘEI Sorin CHEVAL Mihai ADAMESCU Vasile CRĂCIUNESCU	National Meteorological Administration (MeteoRomania), Bucharest, Romania	A web-based platform for evaluating climate change impacts and wetland restoration potential in the



Dana MICU Alexandru DUMITRESCU		Danube River Basin	
6.	Vlad AMIHĂEȘI Alexandru DUMITRESCU Adrian IRAȘOC Mădălina MOISE Dana MICU	National Meteorological Administration (MeteoRomania), Bucharest, Romania	Thermal characteristics of the summers of 2024 and 2025: heat waves
7.	Andrei MIHALACHE ^{1,2} Dumitru MIHĂILĂ ^{3,2} Petruț-Ionel BISTRICEAN ^{3,2} Elena MEDEI (POP) ^{1,4}	¹ Doctoral School of Applied Sciences and Engineering, PhD field Geography, "Ștefan cel Mare" University of Suceava, Romania; ² Applied Geography Research Center (GeA-USV), "Ștefan cel Mare" University of Suceava, Romania; ³ Department of Geography, Faculty of History, Geography and Social Sciences, "Ștefan cel Mare" University of Suceava, Romania; ⁴ Frătăuții Vechi High School	Numerical trend of some temporal entities highlighting the thermal risk in the North-East Region, Romania in the period 1961-2025
8.	Marius MUNTEANU Ion GIURMA Raluca GIURMA-HANDLEY Tomi HRANICIUC	"Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering	Cercetări privind determinarea volumelor de apă aferente debitelor cu probabilitatea de 1%, 5%, 10% în secțiunea de intrare, a principalei resurse de alimentare cu apă a municipiului Vaslui și a zonelor adiacente, lacul de acumulare Solești, în vederea exploatarei în condiții optime și de siguranță a acestuia - online -
9.	Elena-Mirela POLIFRONIE ^{1,2} Sorin CHEVAL ^{1,2}	¹ National Meteorological Administration, Bucharest, Romania; ² Babeș-Bolyai University, Cluj-Napoca, Romania	Downward coupling and winter response over Southeastern Europe
10.	Marina ANTONESCU ^{1,2,3} Georgeta BANDOCS ^{1,2}	¹ University of Bucharest, Faculty of Geography, Bucharest, Romania; ² Center for Coastal Research and Environmental Protection, University of Bucharest, Bucharest, Romania; ³ Meteo Romania (National Meteorological Administration),	Geographical and climatic controls on solar photovoltaic potential in Romania - online -



	Bucharest, Romania	
11. Alexandru-Ionuț BĂNESCU Simona-Elena PARASCHIVA Elena GRIGORE	University of Bucharest, Faculty of Geography, Bucharest, Romania	Romania in the context of climate change. Case study: Vulnerability of historical regions to climate risk phenomena - online -
12. Ciprian-Ionuț ADAM ^{1,2} Dumitru MIHĂILĂ ^{3,2} Elena MEDEI (POP) ^{1,4} Vasilică-Dănuț HORODNIC ^{1,2} Petru-Ionel BISTRICEAN ^{3,2}	¹ Doctoral School of Applied Sciences and Engineering, "Ștefan cel Mare" University of Suceava, Romania; ² Center for Applied Geography Research (GeA-USV); ³ Department of Geography, "Ștefan cel Mare" University of Suceava, Romania ⁴ Frătăuții Vechi High School	Thermal topoclimatic analysis of the Prut valley sector between Oroftiana and Stâncă-Costești (Prvosc) in 2025
13. Ionuț-Marian CROITORU Pavel ICHIM Lucian SFÎCĂ Robert HRIȚAC	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	Analysis of thermal inversion phenomena using modern analysis methods and climatic modelling in ENVI-Met
14. Elias-Andrei CĂLUGĂRU Robert HRIȚAC Lucian SFÎCĂ Pavel ICHIM	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	Climatology of synoptic patterns associated with convergence lines in Romania (2004 - 2024)
15. Elena MEDEI (POP) ^{1,2} Dumitru MIHĂILĂ ^{3,4} Petruț-Ionel BISTRICEAN ^{3,4} Andrei MIHALACHE ^{1,4} Ionuț-Ciprian ADAM ¹	¹ Doctoral School of Applied Sciences and Engineering, "Ștefan cel Mare" University of Suceava, Romania; ² Frătăuții Vechi High School; ³ Department of Geography, "Ștefan cel Mare" University of Suceava, Romania ⁴ Center for Applied Geography Research (GeA-USV)	Evaluarea duratei și a echivalentului în apă al stratului de zăpadă în Regiunea de Nord-Est a României (1960-2025)
16. Alexandru-Constantin COROĂESCU ¹ Ionuț-Marian CROITORU ² Lucian SFÎCĂ ² Pavel ICHIM ² Adrian GROZAVU ^{1,2} Sona MAMMAZADA	¹ Doctoral School of Geosciences, Department of Geography, Faculty of Geography and Geology, „Alexandru Ioan Cuza” University of Iași, Romania; ² „Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași,	Advancing local climate zone mapping: a machine learning framework for 30 m urban climate classification



	Romania	
17. Galina MÎNDRU	USM, IEG, Chisinau, Republica Moldova	Estimarea prejudiciilor cauzate de vânturile puternice pe teritoriul Republicii Moldova în ultimele trei decenii - online -
18. Pavel ICHIM Lucian SFÎCĂ Denisa-Elena CATANĂ Maria-Catrinel AMARGHIOALEI David-George TABAC Mihaela-Gabriela- Bogdana ȚARĂLUNGĂ Elena-Alexandra TIMOFTE Șerban-Dumitru SĂNDULESCU Sara-Maria PARASCHIV Diana-Maria BOTEA Anamaria POAMĂNEAGRĂ Elena PINTILIE Mihaela UNGUREANU Andreea MANOLACHE Alex-Petronel BOBOC Alexia-Maria AILENEI Petru-Luca ABABE Elena-Florentina GRĂDINARU Bianca-Teodora GRIGORIU Delia-Andreea LĂTĂEANU Denis-Petruț ȘLIR Alisa-Elena OLARU Claudiu-Constantin TROFIN Silvana-Alexandra ASAFTEI; Ana-Maria COJOCARU Mihnea-Ionuț MIHAI	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	Flowering phenology of <i>Prunus armeniaca</i> as a bioindicator of urban climatic and microclimatic conditions in Iași, Romania



6 CLEAN WATER
AND SANITATION



14 LIFE
BELOW WATER



Water quality and management

Time : 13:00 – 18:00

Class: 629

Chairman: Mihail LUCA; Oana-Elena CHELARIU; Andrei ENEA

1 Daniela BURDUJA Ana JELEAPOV	Institute of Ecology and Geography of Moldova State University, Chișinău, Republic of Moldova	The water cycle in the economy: challenges and perspectives for the Republic of Moldova
2 Ioan-Florin VOICU Daniel-Constantin DIACONU	Universitatea din Bucuresti Bucuresti Romania	Using an array of Software- Defined Radio Receivers to receive real-time flooding information - online -
3 Vladimir MOGÎLDEA	Institute of Ecology and Geography, Moldova State University, Chisinau, Republic of Moldova	The impact of nutrients from urban agglomerations and agriculture on the quality of surface and groundwater in the southern region of the Republic of Moldova
4 Mihail LUCA Bogdan RUSU Constantin CHIRILĂ Valeria-Ersilia ONIGA Nicolae MARCOIE Ana-Maria LOGHIN	Technical University "Gheorghe Asachi" of Iasi, Mangeron Dumitru Str. 63, 770800, Iasi	Optimization of geodesic networks for monitoring hydrotechnical systems through modern technologies
5 Violeta DOMINTE (CROITORU) Mihail LUCA Daniel TOMA Valentin BOBOC	Technical University "Gheorghe Asachi" of Iasi, Mangeron Dumitru Str. 63, 770800, Iasi	Research on the operational safety of the spillway channel in the structure of the high-water discharger from earthen dams
6 Ștefana-Miruna GROSU Ionuț MINEA Oliver-Valentin DINTER	„Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania	Spatio-temporal analysis of hydrological variability and flood risk exposure in the Jijia River Basin, Northeastern Romania - online -
7 Viorel CĂLINESCU	Faculty of Sciences and Environment,	Digital Architectures and Artificial



Cătălina ITICESCU Gabriel MURARIU Maria-Cătălina TOPA	"Dunărea de Jos" University of Galați, Galați, Romania	Intelligence-Based Solutions for Optimizing Waste Management in Tecuci Municipality
8 Sergiu DOBROJAN ^{1,2} Gabriel-Ionuț PLĂVAN ³ Oana-Alexandra PLĂVAN ⁴ Galina DOBROJAN ^{1,5} Gheorghe JIGĂU ^{2,6} Cristian-Alin BARBACARIU ³	¹ Innovation and Technology Transfer Office, Moldova State University, Chisinau, Republic of Moldova; ² Scientific Research Center "Natural Science Integrity", Moldova State University, Chisinau, Republic of Moldova; ³ „Alexandru Ioan Cuza” University of Iași; ⁴ Liceul Tehnologic "Petru Poni"; ⁵ National Botanical Garden (Institute) "Alexandru Ciubotaru", Chisinau, Republic of Moldova; ⁶ Institute of Ecology and Geography, Moldova State University, Chisinau, Republic of Moldova	Ecological utilization of wastewater from recirculating aquaculture systems as a nutrient medium for cultivating <i>Chlorella vulgaris</i>
9 Sergiu DOBROJAN ^{1,2} Gabriel-Ionuț PLĂVAN ³ Galina DOBROJAN ^{1,4} Gheorghe JIGĂU ^{2,5} Victor MELNIC ⁶ Nicușor NICOARĂ ³	¹ Innovation and Technology Transfer Office, Moldova State University, Chisinau, Republic of Moldova; ² Scientific Research Center "Natural Science Integrity", Moldova State University, Chisinau, Republic of Moldova; ³ „Alexandru Ioan Cuza” University of Iași; ⁴ National Botanical Garden (Institute) "Alexandru Ciubotaru", Chisinau, Republic of Moldova; ⁵ Institute of Ecology and Geography, Moldova State University, Chisinau, Republic of Moldova ⁶ Moldova State University	Utilization of wastewater from the recirculating aquaculture system to obtain <i>Spirulina Platensis</i> biomass for fish food
10 Matteo PERONNET ¹ Gabriela Adina MOROSANU – MITOSERIU ² Ines GRIGORESCU ² Mihaela SIMA ²	¹ Universite Lumiere Lyon 2, Lyon, France; ² Institute of Geography of the Romanian Academy	What socio-environmental issues are raised by the management of Otopeni's canals? - online -
11 Dan DUMITRIU	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	The anthropogenic footprint on slopes and channel dynamics in the middle sector of the Bistrița River Basin



11 SUSTAINABLE CITIES
AND COMMUNITIES



3 GOOD HEALTH
AND WELL-BEING



4 QUALITY
EDUCATION



Environmental Geography

Time: 13:00 – 18:00

Class: 627

Chairman: Alexandru BĂNICĂ; Vasile JITARIU

1	Alexandru BĂNICĂ ^{1,2} Cristian INCALȚĂRĂU ³ Cristian-Manuel FOȘALĂU ¹ Oliver-Valentin DINTER ¹ Georgiana CREȚU- VĂCULIȘTEANU ¹ Ana-Maria OPRIA ¹	¹ „Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania; ² Geographic Research Centre, Romanian Academy, Iasi Branch; ³ Centre for European Studies, „Alexandru Ioan Cuza” University, Iasi	The atlas of transformative urban resilience: a holistic sustainability- based approach
2	Rodica COJOCARI	Institute of Ecology and Geography, Moldova State University, Chisinau, Republic of Moldova	Trends and spatial distribution of climatic elements used in construction design in the Republic of Moldova
3	Veronica RAILEAN Vadim CUJBĂ	Institute of Ecology and Geography, Moldova State University, Chisinau, Republic of Moldova	Componenta economică a indicielui dezvoltării umane în regiunea de sud a Republicii Moldova <i>- online -</i>
4	Alexandru BĂNICĂ ^{1,2} Cristian-Manuel FOȘALĂU ¹ Ionel MUNTELE ¹	¹ „Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania; ² Geographic Research Centre, Romanian Academy, Iasi Branch	Vulnerability-Opportunity pathways for building resilient and sustainable european cities and functional urban areas
5	Cristina-Oana MIRON ¹ Valeria-Ersilia ONIGA ² Cătălin MALEȘ ¹ Mihaela MACOVEI ²	¹ Department of Topography and Cadastre, Faculty of Geodesy, Technical University of Civil Engineering Bucharest, 020396 Bucharest, Romania; ² Department of Terrestrial Measurements and Cadastre, Faculty	Comparative assessment of cross- sectional and raster-based methods for building footprint extraction from UAS LiDAR data



		of Hydrotechnical Engineering, Geodesy and Environmental Engineering, Gheorghe Asachi Technical University of Iași, 700050 Iași, Romania	
6	Petru-Mihai CRISTODULO ¹ Lucian-Ionuț ROȘU ² Lucian SFÎCĂ ² Andrei OPAIT ²	¹ Doctoral School of Geosciences, Department of Geography, Faculty of Geography and Geology, „Alexandru Ioan Cuza” University of Iași, Romania; ² Department of Geography, Faculty of Geography and Geology, „Alexandru Ioan Cuza” University of Iași, Romania	Challenges in Assessing the 3-30-300 Rule through Satellite Data and Deep Learning: A Planning Tool for Urban Green Equity and Climate Adaptation
7	Tara-Amelia TRIPA Andrei DORNIK	West Univeristy of Timișoara, Timișoara, Romania	Development of a geospatial methodology for assessing the sustainability of natural territories - online -
8	Eugenia BUȘMACHIU	Academy of Economic Studies of Moldova	Sustainable finance: reporting and indicators
9	Simina-Georgiana DURAC	Ministerul Afacerilor Externe, București, România	Managementul deșeurilor - de la sursă de poluare la resursă economică - online -
10	Iolanda-Veronica GANEA Alexandrina NAN	National Institute for Research & Development of Isotopic and Molecular Technologies Cluj-Napoca, Romania	Eco-friendly materials hidden in the bin: agro-industrial wastes for environmental remediation - online -
11	Gheorghe DURAC ¹ Simina-Georgiana DURAC ²	¹ „Alexandru Ioan Cuza” University of Iași, Iași, Romania; ² Ministerul Afacerilor Externe, București, România	Politica și legislația Uniunii Europene privind protecția mediului urban - online -
12	Alexandru RUSU Octavian GROZA Marinela ISTRATE	„Alexandru Ioan Cuza” University of Iași Faculty of Geography and Geology Department of Geography, Iași, Romania	Mapping companies in Romania: challenges and data quality check
13	Mirela CHIPAILA	„Alexandru Ioan Cuza” University of Iași Romania	Necesitatea geografiei în promovarea conceptului de dezvoltare durabilă în școală
14	Radu DIMITRIU ¹ Petru BUNDUC ²	¹ „Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania; ² State University of Moldova, Chisinau	Exploring Emerging Forms of International Migration: digital nomadism, retirement migration, and birth tourism



Biodiversity Loss and Conservation Strategies Soil Monitoring

Time: 13:00 – 18:00

Class: 662

Chairman: Cristian-Constantin STOLERIU; Iuliana-Gabriela BREABĂN

1	Constantin-Cosmin LOGHIN ^{1,2} Florin ACHIM ¹ Corina ENACHE ¹ Adriana Agafia DAVIDESCU ¹ Bogdan-Ionuț PLEȘCA ^{1,2} Nicolae-Ovidiu BADEA ^{1,2,3}	¹ INCDS „Marin Drăcea”; ² Transilvania University of Brașov; ³ Romanian Academy	Dynamics of the extracarpethian forest-steppe boundaries based on climate - vegetation relationships
2	Oana-Mihaela STOLERIU Teodora-Georgiana MIHĂILĂ	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	Analysis of visitor experiences at Zarnesti Bear Sanctuary, Romania
3	Roman BAHNARU ¹ Petru BACAL ² Aurelia BAHNARU ¹	¹ E-Circular Training and Consulting Center. Chișinău, Republic of Moldova; ² Institute of Ecology and Geography, Moldova State University, Chisinau, Republic of Moldova	Measuring the circular economy transition and ESG readiness in the Republic of Moldova through green growth indicators: data availability, gaps and policy relevance
<i>- online -</i>			
4	Carmen BOICIUC ¹ Dumitru MIHĂILĂ ^{2,3} Petruț-Ionel BISTRICEAN ^{2,3} Andrei MIHALACHE ^{1,2}	¹ Doctoral School of Applied Sciences and Engineering, PhD field Geography, "Ștefan cel Mare" University of Suceava, Romania; ² Department of Geography, Faculty of History, Geography and Social Sciences, "Ștefan cel Mare" University of Suceava, Romania; ³ Applied Geography Research Center (GeA-USV), "Ștefan cel Mare" University of Suceava, Romania	Comparative analysis of balneoclimatic and outdoor tourism in the resorts of Gura Humorului, Cămpulung Moldovenesc, and Vatra Dornei based on tourists' perceptions



5	Galina BUȘMACHIU	MSU, Institute of Zoology, Chișinău, Republic of Moldova; Plaiul Fagului Nature Reserve	Survey of Odonata (Insecta) from the Plaiul Fagului Nature Reserve
6	Svetlana BACAL Galina BUȘMACHIU	MSU, Institute of Zoology, Chișinău, Republic of Moldova; Plaiul Fagului Nature Reserve	Contributions to the knowledge of the species <i>Salpingus planirostris</i> (Fabricius, 1787) (Insecta: Coleoptera) in the Republic of Moldova
7	Nicoleta-Nona ARDELEANU ¹ Iuliana-Gabriela BREABĂN ^{2,3,4}	¹ Agencia Națională pentru Mediu și Aarii Protejate/Bacău/Romania; ² „Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Doctoral School of Geosciences, Iași, Romania; ³ „Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania; ⁴ Institute of Interdisciplinary Research - ICI-UAIC, CERNESIM Department	Integrarea parametrilor hidromorfologici în evaluarea stării de conservare a sitului ROSCI0434 Siretul Mijlociu
8	Valentina ANDRIUCĂ ¹ Anatolie TĂRÎȚĂ ²	¹ Technical University of Moldova, Chișinău, Republic of Moldova; ² Institute of Ecology and Geography, Moldova State University, Chișinău, Republic of Moldova	Agroecological monitoring elements for the purpose of avoiding ecological risk in the Middle Prut River basin
9	Valentina ANDRIUCĂ ¹ Anatolie TĂRÎȚĂ ²	¹ Technical University of Moldova, Chișinău, Republic of Moldova; ² Institute of Ecology and Geography, Moldova State University, Chișinău, Republic of Moldova	Agroecological assessment of some environmental components in the Middle Prut area regarding sustainable agriculture
10	Adriana-Roxana BARNOAIEA Ionuț BARNOAIEA Emilia STOICA	Stefan cel Mare University Suceava, Forestry Faculty	What drives forest landscape structure change? A comparative analysis of two landscapes in North-Eastern Romania over a 60-year period <i>- online -</i>
11	Dumitru BULGARIU ^{1,2}	¹ „Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geology, 20A Carol I Boulevard, Iași, Romania; ² Romanian Academy, Iași Branch, Geographical Research Center; no. 2	Atypical chemical-mineralogical processes in current soils - between hypotheses and reality



	Teodor Codrescu Street, Iași, Romania	
12 Gheorghe JIGĂU ^{1,2} Valeriu CAZACU ³ Sergiu DOBROJAN ^{4,2} Galina DOBROJAN ^{5,4}	¹ Institute of Ecology and Geography, Moldova State University, Chisinau, Republic of Moldova; ² Scientific Research Center "Natural Science Integrity", Moldova State University, Chisinau, Republic of Moldova; ³ Technical University of Moldova; ⁴ Innovation and Technology Transfer Office, Moldova State University, Chisinau, Republic of Moldova; ⁵ National Botanical Garden (Institute) "Alexandru Ciubotaru", Chisinau, Republic of Moldova	The synergistic impact of climate change and agrogenesis on the genetic-evolutionary trend of arable chernozems in the area between the Prut and Dniester rivers
13 Dumitru BULGARIU ^{1,2} Dan AȘTEFANEI ¹ Laura BULGARIU ³	¹ „Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geology, Iași, Romania; ² Romanian Academy, Iași Branch, Geographical Research Center; no. 2 Teodor Codrescu Street, Iași, Romania; ³ "Gheorghe Asachi" Technical University of Iași, Faculty of Chemical Engineering and Environmental Protection "Cristofor Simionescu", Department of Environmental Engineering and Management, Iași, Romania	Pedogeochemical considerations on soil salinization processes in Iași municipality - part I
14 Mihaela LUNGU	INCDPAPM - ICPA București, Romania	Calcium and magnesium solubilization from limestone and dolomite
15 Aurelian-Nicolae ROMAN	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	Coral bleaching phenomenon in the Red Sea (episode 2023-2025) - travel notes
16 Stela CURCUBĂȚ Tatiana NAGACEVSCHI Angela CANȚÎR	Institute of Ecology and Geography, Moldova State University Academiei Street 1, Chisinau, Republic of Moldova	Pedological and geomorphological characterization of the Ialpuș river basin



Poster Session

Time: 10:00 – 18:00

Department of Geography Hall

Chairman: Adrian URSU; Marina IOSUB; Diana-Elena BOBRIC; Alexandra-Petronela STOLERIU

2
ZERO
HUNGER



SDG 2 – Zero Hunger

1 Charles-Konan
KOUAKOU¹
Sanogo YACOUBA²
Ionuț MINEA³

¹Université Alassane Ouattara, UFR-CS,
Bouaké, Côte d'Ivoire

²Département de Géographie, Université
Alassane Ouattara, Côte d'Ivoire, UFR-CS

³„Alexandru Ioan Cuza” University of Iasi,
Faculty of Geography and Geology,
Department of Geography, Iasi, Romania

**Bioclimatic conditions and cocoa
production in the sub-prefecture
of Grand-Zattry (Côte d'Ivoire)**

2 Traian-Ciprian
STROE^{1,2}
Lonie-Andres
BALABAN²
Liliana
PANAITESCU^{1,2}

¹University of Agronomic Sciences and
Veterinary Medicine of Bucharest, 59
Marasti Blvd, District 1, Bucharest,
Romania;

²Ovidius University of Constanța,
University Alley, Campus building B,
900470, Constanța, Romania

**Resilience of sorghum hybrids to
planting date under rainfed
conditions in Southern Dobrogea
(Romania): implications for
climate-resilient agriculture**

[- online -](#)

6
CLEAN WATER
AND SANITATION



SDG 6 – Clean Water & Sanitation

3 Andrei ENEA
Cristina MILEA
Ionuț-Costel
CODRU
Lilian NIACȘU
Cristian-Constantin
STOLERIU

„Alexandru Ioan Cuza” University of Iasi,
Faculty of Geography and Geology,
Department of Geography, Iasi, Romania

**Quantifying theoretical multiple-
scenario flood analysis, using GIS
techniques**



4	Miruna-Cosmina ZAHARIA	„Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania	The analysis of the Human Footprint Index in the coastal administrative-territorial units of the Constanța Metropolitan Area <i>- online -</i>
5	Andreea-Florina STOLERIU ¹ Alexandra-Petronela STOLERIU ^{2,3} Iuliana-Gabriela BREABĂN ^{1,2,3}	¹ „Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Doctoral School of Geosciences, Iasi, Romania; ² „Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania; ³ Institute of Interdisciplinary Research - ICI-UAIC, CERNESIM Department	Machine learning in lake water quality monitoring: a bibliometric analysis of remote sensing applications
6	Adelina-Nicoleta DUMITRACHE Sergiu-Petru CHIRILĂ	„Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania	Analysis of the siltation process of Lake Pângărați in Neamț County. A spatial modeling study using GIS and remote sensing tools
7	Ionela TONU Oana-Elena CHELARIU	„Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania	Hydrological dynamics of the Pârcovaci reservoir: challenges for sustainable water supply
8	Dinu GÎRNEȚ Nicolae ȚIGĂU Gabriel MURARIU Ramona DRAȘOVEANU	"Dunărea de Jos" University of Galați, Galați, Romania	Influence of deposition parameters on the properties of Sb2S3 thin films used in water pollution sensors
9	Alexandra-Gabriela IOSOB ¹ Ovidiu-Gabriel IANCU ¹ Ciprian CHELARIU ¹ Oana-Elena CHELARIU ²	¹ „Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geology, Iasi, Romania; ² „Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania	Geochemical assessment of potentially toxic elements in alluvial sediments of the Slănic River System (Romania): Pollution indices and ecological risk
10	Ramona-Alexandra CIAUȘU ¹ Ionuț-Alexandru CHELARU ^{1,2} Dorel URECHE ² Gabriel-Andrei ANDRONIC ² Alin-Stelian CIOBÎCĂ ^{3,4,5} Mircea-Nicușor NICOARĂ ^{1,3}	¹ Doctoral School of Geosciences, Faculty of Geography and Geology, „Alexandru Ioan Cuza” University of Iasi, Romania; ² Department of Biology, Faculty of Sciences, "Vasile Alecsandri" University of Bacau, Romania; ³ Department of Biology, Faculty of Biology, „Alexandru Ioan Cuza” University of Iași, Romania. ⁴ Academy of the Romanian Scientists, Bucharest, Romania;	Single and combined effects of Ceftriaxone and Polystyrene Microplastics in adult Zebrafish assessed using the Social Preference Test



7 AFFORDABLE AND
CLEAN ENERGY



SDG 7 – Affordable & Clean Energy

- | | | |
|--|--|--|
| 11 Marinela ISTRATE
Alexandru RUSU
George
ȚURCĂNAȘU | „Alexandru Ioan Cuza” University of Iași
Faculty of Geography and Geology,
Department of Geography, Iași, Romania | Building your own virtual solar farm. The role of digital tools in sustainable energy education |
| 12 Charles-Konan
KOUAKOU ¹
Ionuț MINEA ²
Zamblé Armand
TRABI ¹
Kouame Kouman
Raoul FOKOUO ³
Adou Bérenger
KOUACOU ⁴ | ¹ Université Alassane Ouattara, UFR-CS,
Bouaké, Côte d'Ivoire;
² „Alexandru Ioan Cuza” University of Iași,
Faculty of Geography and Geology,
Department of Geography, Iași, Romania
³ Félix Houphouët-Boigny University - Côte
d'Ivoire;
⁴ Félix Houphouët-Boigny University,
Faculty of Earth Sciences and Mineral
Resources, Abidjan, Côte d'Ivoire | Implementation of an early warning system for managing extreme rainfall at the Singrobo-Ahaouaty Hydroelectric Dam on the Bandama River (Ivory Coast) |
| 13 Karam ALQALAWI ¹
Ildiko TULBURE ² | ¹ Technical University of Cluj Napoca,
Romania;
² “1 December 1918” University of Alba
Iulia, Romania | Prospects for deploying renewable energy resources in Arab World to assure human sustainability

- online - |

11 SUSTAINABLE CITIES
AND COMMUNITIES



SDG 11 – Sustainable Cities & Communities

- | | | |
|---|---|--|
| 14 Radu-Ovidiu
MUNTEANU ¹
Sebastian
FERESCU ²
Oana-Elena
CHELARIU ¹ | ¹ „Alexandru Ioan Cuza” University of Iași,
Faculty of Geography and Geology,
Department of Geography, Iași, Romania
² West University of Timișoara, Romania,
Faculty of Chemistry, Biology, Geography,
Timișoara, Romania | Sustainable mobility or convenience? Assessing student transport choices at the “Alexandru Ioan Cuza” University of Iași |
| 15 Irina TABĂRĂ
Nicolae BODRUG
Constantin
BULIMAGA | Institute of Ecology and Geography,
Moldova State University, Chisinau,
Republic of Moldova | Disease prevalence in relation to environmental quality in the southern region of the Republic of Moldova (case study: Cahul, Cimișlia, and Ștefan Vodă Cities) |



16	Ștefan VOICU Octavian GROZA Alexandru RUSU	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	Towards sustainable cultural tourism in the Căndești Piedmont
17	Alexandra CEHAN Oana-Mihaela STOLERIU Amalia-Nicoleta APOPEI	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	Nature-based tourism and tourists’ wellbeing in protected areas
18	Liliana ANIȚEI Tudor BOICU	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	Evaluation of playgrounds and ruderal vegetation in Iași Municipality
19	Cristina GÂRLEA Cornelia MARIN	ONE HEALTH -Romanian Academy	Rural gentrification in relation to population aging - online -
20	Dinu GÎRNEȚ Gabriel MURARIU Nicolae ȚIGĂU Ramona DRAȘOVEANU	"Dunărea de Jos" University of Galați, Galați, Romania	Optimizing the collection of household waste from the ecological islands within the municipality of Galați
21	George ȚURCĂNAȘU	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	The Gaussian Potential Function in Relation to the Gravitational Model: a comparative theoretical and cartographic perspective

12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



SDG 12 – Responsible Consumption & Production

22	Adrian URSU Cristian-Constantin STOLERIU Vasile JITARIU Andrei-Sebastian ADUMITROAE	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	Evaluarea riscurilor asociate haldelor de fosfogips: cartarea radioactivității și monitorizarea deplasărilor cu tehnici InSAR în zona Amurco Bacău
23	Marina IOSUB Ionuț MINEA Dan LESENCIUC Daniel BOICU Aurelian-Nicolae ROMAN	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	Assessing environmental exposure to tailings pond hazards in Romania
24	Laurențiu-Constantin POPA Marina IOSUB	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	Geographical distribution of mineral resources in Romania



			and associated environmental risks
25	Daniela DOBRE ^{1,2} Cornelia-Florentina DOBRESCU ^{3,2}	¹ Technical University of Civil Engineering Bucharest, Romania; ² NIRD “URBAN-INCERC”; ³ Dunărea de Jos” University of Galați, Romania	Structural health monitoring for sustainable and resilient urban infrastructure systems - online -
26	Sergiu-Petru CHIRILĂ	„Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania	The impact of floods in Neamț County during 2013-2025
27	Alexandru-Ion PASCARIU Mihai DIMA Marius TELIȘCĂ Andreea-Silvia POPA	Gheorghe Asachi Technical University of Iasi-Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering	Sustainable reuse of treated wastewater in agriculture - experimental research and effects on soil - online -
28	Alexandra-Petronela STOLERIU ^{1,2} Elena-Diana BOBRIC ^{1,2} Iuliana-Gabriela BREABĂN ^{1,2,3}	¹ „Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania; ² Institute of Interdisciplinary Research - ICI-UAIC, CERNESIM Department; ³ „Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Doctoral School of Geosciences, Iasi, Romania	Environmental quality assessment based on soil physicochemical properties in the Dorna Candreni area, Romania
29	Cornelia-Florentina DOBRESCU ^{1,2}	¹ Universitatea "Dunărea de Jos" din Galați, Romania; ² INCD URBAN-INCERC București, România	Sustainable solutions for expansive clay stabilization using natural wool - online -

13 CLIMATE ACTION

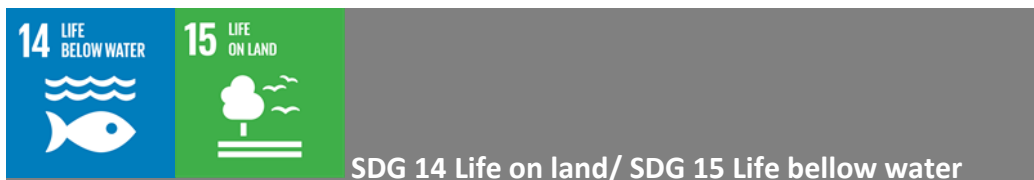


SDG 13 – Climate Action

30	Andra-Cosmina ALBULESCU Daniel BOICU Ionuț MINEA Marina IOSUB Daniela LARION	„Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania	Recent advances in research on drought hazard and vulnerability in the East of Romania: Growing research, yet no proper drought risk assessments in sight
31	Ioana CHIRIAC ¹ Ciprian MĂRGĂRINT ²	¹ State University of Moldova, Chisinau, Republic of Moldova;	Hotspot analysis of flood and drought impact in the Prut River Valley (1860 - 2026)



	Oana-Elena CHELARIU ¹ Aliona BOTNARI ¹ Iurie BEJAN ¹ Tatiana BUNDUC ¹ Mihai NICULIȚĂ ² Andreea FEDOR ²	² „Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	
32	Vera POTOPOVÁ ^{1,2} Tudor CASTRAVEȚ ³ Tudor TRIFAN ¹	¹ Czech University of Life Sciences Prague, Faculty of Agrobiological Sciences and Natural Resources, Department of Agroecology and Crop Production, Prague, Czech Republic; ² Global Change Research Institute of the Czech Academy of Sciences, Brno, Czech Republic; ³ „Ion Creangă” State Pedagogical University, Faculty of Geography, Chișinău, Republic of Moldova	Multi-scale drought propagation from meteorology to hydrology in the Republic of Moldova: A conceptual early- warning framework in human- modified basins
33	Daniela POPESCU ^{1,2}	¹ Institutul Național de Hidrologie și Gospodărire a Apelor, București, România ² Institutul de Geografie al Academiei Române, București, România	Drought risk assessment in Romania using CLIMAAX workflows
34	Vlad AMIHĂEȘI ¹ Dana MICU ¹ Oliver BOTHE ² Paul BOWYER ² Sorin CHEVAL ¹ Irina ONTEL ¹	¹ National Meteorological Administration (MeteoRomania), Bucharest, Romania; ² Helmholtz-Zentrum hereon, Geesthacht, Germany	Climate-driven conditions for snow avalanches activity in the Alps and Carpathian Mountains under climate change
35	Viorica ȚURCANU	USM, Chisinau, Republica Moldova	The frost regime in the Ialpuș river basin in the context of climate change
36	Viorica ȚURCANU	USM, Chisinau, Republica Moldova	Evolution of the number of dry days in the Ialpuș river basin within the context of global climate change
37	Viorica ȚURCANU	USM, Chisinau, Republica Moldova	Assessment of the climatic water deficit in the Ialpuș river basin and its impact
38	Simona CONDURACHE-BOTA Mirela VOICULESCU Monica ZLATI Adrian ROȘU Daniel CONSTANTIN Cătălin NEGOIȚĂ	Dunărea de Jos University of Galați, Romania	Investigation of the links between particulate matter pollution and meteorological parameters in South-Eastern Romania



39	Elena MOȘANU Maria SANDU Raisa LOZAN Anatolie TĂRĂȚĂ	Institute of Ecology and Geography of USM, Chisinau, Republic of Moldova	Integrated assessment of the quality of some abiotic environmental components in the territory of the Emerald site "Codrii Tigheci"
40	Corina CERTAN	Institute of Ecology and Geography of USM, Chisinau, Republic of Moldova	Diversity and impact of invasive alien plant species in the urban ecosystem of Cahul, Republic of Moldova
41	Cristina BRAȘOVEANU Regina FASOLĂ Liliana MOTELICA Valeriu BRAȘOVEANU	Institute of Ecology and Geography of USM, Chisinau, Republic of Moldova	Ecological peculiarities of the edifying and protected plant species within the Emerald site "Codrii Tigheci", the Republic of Moldova
42	Athes HARALAMBIE	„Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania	Savage lands for a civilized future. Biodiversity and animal rights in the metal limelight
43	Laszlo SZAKACS	Agenția Națională pentru Mediu și Aarii Protejate/Mureș/România	Distribuția spațială a populației de urși în decursul unui an și evaluarea pagubelor în județul Mureș
44	Vasile JITARIU Liliana ANIȚEI Adrian URSU	„Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania	Remote sensing-based assessment of forest drought stress in the Natura 2000 Site Dealul Mare-Hârlău (Romania)
45	Marius ADUMITROAE ¹ Iuliana-Gabriela BREABĂN ^{1,2,3} Răzvan-Florian DEJU ^{1,4}	¹ Doctoral School of Geosciences, Department of Geography, Faculty of Geography and Geology, „Alexandru Ioan Cuza” University of Iasi, Romania; ² Department of Geography, Faculty of Geography and Geology, „Alexandru Ioan Cuza” University of Iasi, Romania ³ Institute of Interdisciplinary Research - ICI- UAIC, CERNESIM Department ⁴ National Agency for Environment and Protected Areas, Iași, Romania	Forest stand characteristics and spatial variations of the forest canopy in the Floreanu-Frumușica-Ciurea Natura 2000 Site



46	Vasile JITARIU Lavinia-Ștefania URECHE	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	Assessing reed bed dynamics in protected wetlands of Northeastern Romania through Sentinel-2 remote sensing
47	Vasile JITARIU Umberto-Andrei IAMBROS Adrian URSU	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	Assessing forest cover change in Suceava County from 1985 to 2025 through Remote Sensing and GIS techniques
48	Vasile JITARIU Tudor TIPU Adrian URSU	„Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania	Monitoring wetlands in the Jijia Plain using satellite remote sensing methods
49	Ioana ZAIT ^{1,2} Răzvan-Florian DEJU ^{1,2} Iuliana-Gabriela BREABĂN ^{1,3,4}	¹ „Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Doctoral School of Geosciences, Iași, Romania; ² National Agency for Environment and Protected Areas, Iași, Romania; ³ „Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Iași, Romania; ⁴ Institute of Interdisciplinary Research - ICI-UAIC, CERNESIM Department	Assessment of non-timber forest products (NTFPs) in Bârnova Forest, Romania
50	Ala DONICA Nicolae GRIGORAȘ Cristina BRAȘOVEANU	Institute of Ecology and Geography, Moldova State University, Chisinau, Republic of Moldova	Forest ecosystems in a changing climate: vulnerability, resilience and adaptability (case study: Emerald site "Codrii Tigheci", the Republic of Moldova).
51	Aliona BOTNARI ¹ Viorel PARASCHIV ²	¹ Institute of Ecology and Geography, Moldova State University, Chisinau, Republic of Moldova; ² Liceul Tehnologic Economic de Turism din Iași	The Wild Tulip in the Republic of Moldova
52	Valeriu BRAȘOVEANU Ala DONICA	Institute of Ecology and Geography, Moldova State University, Republic of Moldova	Bioindication of air quality in urban ecosystems of the Republic of Moldova – literature review
53	Ala DONICA Corina CERTAN Valeriu BRAȘOVEANU Viorica ANGHELUȚĂ	Institute of Ecology and Geography, Moldova State University, Republic of Moldova	Ecological and bioindicator characteristics of the semi-natural ecosystems vegetation under the impact of environmental disturbances (case study)



54	Vasile JITARIU Mihai-Claudiu JITARU Radu DIMITRIU	„Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania	Spatio-temporal dynamics of pastures and meadows in the Vrancea Subcarpathians (1985–2025): a remote sensing approach
55	Andrei ENEA Irina NOVENSKI	„Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania	Mountain camping locations, a "present vs. future" GIS analysis

16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



SDG 16 – Peace, Justice & Strong Institutions

56	Bianca TOGAN Oana-Mihaela STOLERIU	„Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania	Policy approaches to wildlife tourism in Europe
57	Ana-Maria ANASTASIEI Lilian NIACȘU Vasile JITARIU	„Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania	Recognition of geodiversity in Romanian environmental law: normative gaps, conceptual ambiguities and implications for geoheritage protection
58	Ana-Maria ANASTASIEI ¹ Lilian NIACȘU ¹ Sergiu LOGHIN ²	¹ „Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania; ² „Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geology, Iasi, Romania	Developing the first UNESCO global geopark-oriented proposal for the Moldavian Plateau between the Siret and Prut rivers, Romania: an integrated assessment of geomorphosites, geoheritage and geotourism potential
59	George ȚURCĂNAȘU Marinela ISTRATE	„Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology, Department of Geography, Iasi, Romania	With regard to local administrative organization, we support the establishment of an LAU1 territorial level



11 SUSTAINABLE CITIES
AND COMMUNITIES



13 CLIMATE
ACTION



15 LIFE
ON LAND



Workshop

Time: 16:00 – 18:00
Class: 660

Geomorphological hazards and their impact on human settlements in the Moldavian Plateau

Conveners: Assoc. Prof. Mihai NICULIȚĂ, Prof. univ. dr. Mihai Ciprian MĂRGĂRINT, Conf. univ. dr. Tudor CASTRAVEȚ, Researcher Vitalie DILAN

The availability of historical cartographic sources and of remote sensing data opens up the possibility to analyze human settlements in time in regard to their evolution and the spread of geomorphological processes. Areas where human settlements intersect with geomorphological processes are the hazard zones. Natural hazards and risks are difficult to quantify, especially geomorphological ones, due to the variability of climatic and anthropogenic factors. The analysis of past case studies, together with modeling, can help frame quantitative studies. We discuss the case of the Moldavian Plateau, covering NE Romania and the Republic of Moldova, where we show how geomorphological processes have posed as hazard over the last two centuries.



„Alexandru Ioan Cuza” University of Iași

Faculty of Geography and Geology



1st Annual SustainEd Conference

Time: 10:30 – 15:00 CET

Hybrid format

Online - Accessible via Webex (link provided upon registration)

Onsite: Alexandru Ioan Cuza University of Iași, Faculty of Economics - Velin Space (Room B413), 1st floor

Conveners: Sorina CHIPER, Irina MANOLESCU, Costică MIHAI, Petronela SPIRIDON-URSU, Adrian URSU

The 1st Annual SustainEd Conference is a premier event dedicated to advancing Sustainable Development Goals (SDGs) within higher education. As we navigate the global green transition, this conference serves as a vital platform for Higher Education Institutions (HEIs), policymakers, NGOs, and local stakeholders to converge, share breakthroughs, and ignite long-term collaborations. This year's theme explores the pivotal role of universities as leaders in sustainable development, offering attendees the opportunity to engage with project results, exchange best practices for SDG implementation, and build cross-sector networks that strengthen future-oriented sustainability skills. By showcasing scalable sustainability efforts and building bridges between academia, policy, and local action, the event contributes directly to the dialogue on how HEIs can actively lead the green transition. This conference is integrated as a featured highlight of the 21st International Symposium "Present Environment and Sustainable Development" (PESD).