

# CLIMATE CHANGE IN EUROPE: IMPACT, RISKS AND MITIGATION (CCE2024)

VATRA DORNEI, SUCEAVA COUNTY, ROMANIA, 10-13 OCTOBER 2024

**Link for online access:**

[meet.google.com/iwn-gywr-bda](https://meet.google.com/iwn-gywr-bda)

**Conference web site:**

<https://geoconcept.ro/cce2024/>

**Book of Abstracts:**

<https://geoconcept-journal.com/index.php/geosp/issue/view/6>

**THURSDAY, October 10<sup>th</sup> 2024**

***VENUE:***

***VATRA DORNEI (Suceava county, Romania)***

Centrul de Pregatire si Formare Continua Vatra Dornei, Universitatea Suceava  
(Distance Education and Long-Life learning Office Vatra Dornei, University of Suceava)

*Address:*

Parcului 2 St., Vatra Dornei 725700, Suceava county, Romania.

Coordinates: 47.3418816, 25.3574445



**FRIDAY, October 11<sup>th</sup> 2024**

**9.00: OPENING CEREMONY**

9.00 – 9.10

**Marcel MINDRESCU**, Charmain of conference, *University of Suceava and GEOCONCEPT Association of Applied Geography, Romania*

9.10 - 9.20

**Laura BOURIAUD**, *Director of the Doctoral Studies Council, University of Suceava, Romania*

**Keynote speakers:**

9.30-09.55

**Juliana NOGUEIRA**, *LARAMG – Radioecology and Climate Change Laboratory, Department of Biophysics and Biometry, Rio de Janeiro State University, Brazil*

**CLIMATE CHANGE IMPACTS AND ADAPTATION IN EUROPE**

09.55-10.20

**Sorin CHEVAL**, *National Meteorological Administration of Romania and Babeş-Bolyai University, Romania*

**ADAPTATION FRAMEWORKS FOR CLIMATE ACTION IN ROMANIA**

10.20-10.45

**Emmanuel CHAPRON et al.**, *GEODE, UMR 5602 CNRS-Université Toulouse, France*

**ASSESSING GEOLOGICAL HAZARDS IN A CHANGING WORLD COMBINING REGIONAL MULTIDISCIPLINARY APPROACHES OF EUROPEAN GLACIAL LAKES (NORTHERN PYRENEES, NORTHERN AND WESTERN ALPS)**

10.45-11.10

**Guillaume JOUVE**, *Exail, Sonar Systems Division, La Ciotat, France*

**ECHOES COMPACT SUB-BOTTOM PROFILER FOR HIGH-RESOLUTION SEDIMENTARY ARCHITECTURE FOR SHALLOW WATER ENVIRONMENTS: TECHNOLOGY & CASE STUDIES ON PALEOSISMOLOGICAL ANALYSIS FROM MAAR LAKES**

**11.15-11.30: COFFEE BREAK**

## **SESSION 1**

**Moderator: Iulian-Horia HOLOBĂCĂ**, Babeş-Bolyai University, Cluj-Napoca, Romania

11.30 – 11.45

**Mihai NICULIȚĂ**, Alexandru Ioan Cuza University of Iași, Romania

**Landslide activity during the Late Pleistocene, Holocene and Anthropocene in the Moldavian Plateau, Romania**

11.45-12.00

**Oana-Simina IACONI**, Nicolae Testemițanu State University of Medicine and Pharmacy from the Republic of Moldova

**New methodologies applied to combat environmental pollution from hospital wastewater containing multi-drug resistant bacteria**

12.00-12.15

**Mădălina-Teodora ANDREI**, Center for Study and Research for AgroForestry Biodiversity "Acad. David Davidescu", National Institute of Economic Research "Costin C. Kirițescu", Romanian Academy and Ministry of Development, Public Works and Administration, Bucharest

**Green Transition through sustainable urban mobility - establishing low emission zones**

12.15-12.30

**Alexandru TUDOR and Adrian PITICAR**, "Henri Coandă" Air Force Academy, Faculty of Aeronautical Management, Romania

**Comparative analysis of observed historical and projected precipitation data for Braşov city**

12.30-12.45

**Milica G. RADAKOVIĆ et al.**, University of Novi Sad, Serbia

**Bad news for snow-lovers: A snow-free future for Eastern Serbia's Stara Planina**

**13.00-14.30: LUNCH**

## **SESSION 2**

### **Moderators:**

**Juliana NOGUEIRA**, *Rio de Janeiro State University, Brazil*

**Marcel MINDRESCU**, *University of Suceava, Romania*

### **Keynote speaker:**

14.30-15.00

**William S. KEETON et al.**, *Gund Institute for Environment, University of Vermont, USA*

**AN EXPERT-BASED ASSESSMENT OF CLIMATE RISKS AND ADAPTATION OPTIONS FOR FOREST ECOSYSTEMS IN THE CARPATHIAN MOUNTAIN REGION**

15.00-15.15

**Ala DONICA et al.**, *Institute of Ecology and Geography of Moldova State University*

**Vulnerability of forest ecosystems from the Republic of Moldova to climate changes through eco-climatic indices**

15.15-15.30

**Rhiannon GLOOR et al.**, *Czech University of Life Sciences Prague, Czech Republic*

**Historical natural disturbances drive contemporary multitaxonomic patterns in primary and old-growth temperate forests of the Western Carpathians, Slovakia**

15.30-15.45

**Dariia KHOLIIVCHUK**, *Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine*

**Transboundary environmental cooperation during times of war: Ukraine's perspective**

### **Special guest:**

15.45-16.10

**Saleem H. ALI**, *University of Delaware, USA and United Nations University*

**PEACE PARKS IN TIMES OF EUROPEAN CONTEMPORATION CONFLICTS**

16.10-16.25

**Mehmet ALTINGOZ et al.**, *Department of Geography and Spatial Sciences. University of Delaware, Newark DE, USA and General Directorate of Water Management, Republic of Turkey Ministry of Agriculture and Forestry, Ankara, Turkey*

**Environmental Management in Emerging Borders: Examining Polycentricity Opportunity in Crimea**

**16.30-17.00: COFFEE BREAK**

**Posters session**

### **SESSION 3**

**Moderator: Guillaume JOUVE**, *Exail, Sonar Systems Division, La Ciotat, France*

17.00-17.15

**Piotr KŁAPYTA et al.**, *Jagiellonian University, Kraków, Poland*

**Glacial geomorphology and a glacier reconstruction in the Maramureş Mountains, (Ukraine, Romania)**

17.15-17.30

**Vadim STEPANCHUK et al.**, *Institute of Archaeology, Kyiv, Ukraine*

**Geoarchaeological Survey in the Eastern Carpathians, Ukraine**

17.30-17.45

**Lăcrămioara-Mihaela MAGHIAR et al.**, *Babeş-Bolyai University, Cluj-Napoca, Romania*

**Monitoring periglacial areas in the Caucasus mountains by means of remote sensing and field measurements**

17.45-18.00

**Iulian FALTINSCHI and Marcel MINDRESCU**, *University of Suceava, Department of Geography, Romania*

**Riverbed dynamic of the Suceava River**

**18.00-19.00: Posters session**

**19.00: DINER**

**SATURDAY, October 12<sup>th</sup> 2024**

**Keynote speakers:**

*09.30 – 09.55*

**Alfred VESPREMEANU-STROE et al.**, *GEODAR Research Group for Geomorphology, Geoarchaeology and Paleo-Environments, Research Institute of the University of Bucharest, Romania and Faculty of Geography, University of Bucharest, Romania*

**TSUNAMI RECORDS AND LANDSCAPE RECONSTRUCTION AT AN ANCIENT ARCHAEOLOGICAL SITE (MANGALIA/CALATIS) ON THE WESTERN BLACK SEA COAST**

*9.55 - 10.20*

**Remus PRĂVĂLIE**, *University of Bucharest, Romania and Academy of Romanian Scientists, Romania*

**SOLAR ENERGY AS A SUSTAINABLE SOLUTION FOR MANAGING THE LAND DEGRADATION CRISIS**

**10.30-11.00: COFFEE BREAK**

**Poster session**

## **SESSION 4**

**Moderator:** Mihai NICULIȚĂ

11.00-11.15

**Alexandru BERBECARIU et al.**, *Sfântu Gheorghe Marine & Fluvial Research Station, Faculty of Geography, University of Bucharest and GEODAR (Research Center in Geomorphology, Geoarchaeology and Paleoenvironments) and University of Bucharest, Bucharest, Romania*

**Growth patterns of the Holocene large river deltas**

11.15-11.30

**Georgiana VĂCULIȘTEANU et al.**, *RECENT AIR (RA-10) Geography and Earth Physics Laboratory, Tulnici Research Station, Alexandru Ioan Cuza University of Iași, Tulnici, Romania*

**Assessing the climate impact on grassland areas through a dedicated remote sensing method. A study case of the NE Romania**

11.30-11.45

**Alfred VESPREMEANU-STROE, Mihaela VERGA et al.**, *GEODAR Research Center for Geomorphology, Geoarchaeology and Paleo-Environments, Research Institute of the University of Bucharest, Romania and Faculty of Geography, University of Bucharest, Romania*

**Deciphering the formation and long-term evolution of a unique coastal karst landscape: the case of Obanu Mare collapsed sinkhole (Mangalia, Romania)**

11.45-12.00

**Adrian VASILE and Alfred VESPREMEANU-STROE**, *GEODAR Research Center for Geomorphology, Geoarchaeology and Paleo-Environments, Research Institute of the University of Bucharest, Romania and Faculty of Geography, University of Bucharest, Romania*

**West-east asymmetry of the main crest of Făgăraș massif documents the polycyclic glacial shaping**

12.00-12.15

**Iulian-Horia HOLOBĂCĂ and George IACOB**, *Faculty of Geography, Babes-Bolyai University, Cluj-Napoca, Romania*

**Glacier and Debris Cover Mapping in the Greater Caucasus Using Multi-Sensor Data**

12.15-12.30

**Milica G. RADAKOVIĆ et al.**, *University of Novi Sad, Faculty of Sciences, Department of Geography, Tourism and Hotel Management, Novi Sad, Serbia*

**How sensitive were gastropods to environmental changes through ice ages in Serbia**

12.30-12.45

**Andreea Bianca ENE (Constantin) et al.**, Bucharest University of Economic Studies, Bucharest, Romania

**A bibliometric analysis of the effects of climate change on regional trade policies under geopolitical and geoeconomic uncertainty**

12.45-13.00

**Lilia POPOVA et al.**, *I. I. Schmalhausen Institute of Zoology, NAS of Ukraine, Kyiv*

**Fossil small mammals of Skelia Podil'ska 2 (Dnister area, Ukraine): a distinctive interglacial fauna of the Early Chibanian**

13.00-13.15

**Oksana PERKHACH and Yuliia YAVDYK**, *Ivan Franko National University of Lviv, Ukraine*

**Impact of anthropogenic load on the Stavchanka river basin (a tributary of the Shchyrets river, Dniester watershed)**

13.15-13.30

**Mihai BALAN and Marcel MINDRESCU**, *Meteo BN, Bistrita, Romania and Geoconcept Association of Applied Geography, Romania*

**Monitoring climate change: from global to local using a network of 31 weather stations in Bistrita- Năsăud County, Romania**

**13.30: CLOSING CEREMONY**

**14.00: LUNCH**

**15.00: Visiting Millennial Lakes of Bucovina (Obcinele Bucovinei Mts)**

**Sub-Bottom Profiler Training**

**by Dr. Guillaume JOUVE**, Exail, Sonar Systems Division, La Ciotat, France



## POSTERS SESSION

01. **Catalina STOICA et al.**, *National Research and Development Institute for Industrial Ecology-ECOIND, Bucharest, Romania*

**Impact of environmental variables on benthic invertebrate's community structure in Comana Marsh, Romania**

02. **Cătălina-Roxana BRATU et al.**, *Faculty of Physics, University of Bucharest, Romania and National Institute for Earth Physics, Măgurele, Romania*

**Compound events contributing to more extreme weather in Romania (1940-2023)**

03. **Radu VÂNTURACHE**, *REDV Constanta, Romania*

**Urban heat island and urban regulations**

04. **Máté KARLIK et al.**, *Research Centre for Astronomy and Earth Sciences, Budapest, Hungary*

**Environmental Changes in the Carpathian Region under the Roman Climate Optimum (470 B.C.-A.D. 300)**

05. **Anișoara FILIP et al.**, *University of Suceava, Romania*

**Human habitation dynamics over the Holocene in NE Romania and related paleoenvironmental factors**

06. **Adam BEGU and Ala DONICA**, *Institute of Ecology and Geography, Moldova State University*

**The application of bioindication - non-instrumental method in determining the resilience of the Chisinau urban ecosystem in the environmental changes conditions**

07. **Serhii KYRYLIUK**, *Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine*

**The denudation potential of a surface (using the example of lunar impact craters)**

08. **Zina RIZNYCHENKO et al.**, *National Nature Park "Vyzhnytskyi", Ukraine*

**Analysis of climate change trends based on long-term observations in the National Nature Park "Vyzhnytskyi" (Ukraine) and their impact on specific flora species**

09. **Elena VANICA and Angela PARASCHIV**, *Nicolae Testemitanu State University of Medicine and Pharmacy of the Republic of Moldova*

**Climate change and eco-epidemiology of infectious diseases**

10. **Viorica ANGHELUȚA et al.**, *Moldova State University, Institute of Ecology and Geography*

**The Application of Landscape Metrics in the Assessment of Forest Dynamics in the Republic of Moldova (1975-2023)**

11. **Tatiana BUNDUC et al.**, *Institute of Ecology and Geography, Moldova State University, Chişinău*  
**Effects of land use change on soil degradation in Tigheci catchment, Republic of Moldova**

12. **Valeriu BRAŞOVEANU et al.**, *Institute of Ecology and Geography of Moldova State University in Tigheci catchment, Republic of Moldova*

**The particularities of heavy metals accumulation in the forest ecosystems of the “Pădurea Hîrbovaţ” emerald site**

13. **Livia CALESTRU and Elena ENCIU**, *Institute of Zoology, Moldova State University, Republic of Moldova*

**The influence of environmental factors on the coleoptera fauna (Coleoptera: Carabidae, Chrysomelidae, Lucanidae, Scarabaeidae, Silphidae) from the “Lower Prut” Nature Reserve in 2023-2024**

14. **Elena ENCIU and Livia CALESTRU**, *Institute of Zoology, Moldova State University, Chisinau, Republic of Moldova*

**The diversity of edaphic coleoptera from the strictly protected area of the “Codri” Reserve in the context of environmental changes**

15. **Vasile BUDUI et al.**, *„Ştefan cel Mare” University of Suceava, Romania*

**Interdisciplinary researches in the Suceava Plateau: the perspectives of investigating the phenomenon of “kurganization” in the northeastern Carpathian space**

16. **Alina COVALI and Diana SPATARU**, *Nicolae Testemitanu State University of Medicine and Pharmacy of the Republic of Moldova*

**Climate change and seasonal flu**

17. **Onica REVECA and Diana SPĂTARU**, *University of Medicine and Pharmacy “Nicolae Testemiteanu”*

**Giardiasis influenced by climate change**

18. **Miraj KRZYSZTOF**, *The Podhale State College of Applied Sciences in Nowy Targ, Poland*

**The impact of climate change on crop rotation in small-scale farms**

19. **Michał BIEŃ and Karol PLESIŃSKI**, *Kielce District of Polish Angling Association, Poland and University of Agriculture in Krakow, Faculty of Environmental Engineering and Land Surveying, Poland*

**Geomorphological functions of gravel spawning grounds of *Rheophilous* fish, an example from Polish upland rivers**

20. **Zina RIZNYCHENKO et al.**, *National Nature Park "Vyzhnytskyi", Ukraine*  
**Synanthropization of the flora of the National Nature Park "Vyzhnytskyi", Ukraine**
21. **Roman YEREMA**, *National Park "Cheremoskiy", Ukraine*  
**Natural heritage of National Park "Cheremoskiy", Ukraine**
22. **Julia ZWOLIŃSKA et al.**, *Jagiellonian University, Poland*  
**Hydrogeochemical background of the waters of the Țapul Mare massif (Munții Țibău, Romania)**
23. **Hiacynta LEGUŁA et al.**, *Jagiellonian University, Poland*  
**Transformation of the river and lake network of the city of Cracow since the beginning of the 20th century**
24. **Aleksandra WIKTOROWICZ et al.**, *Jagiellonian University, Poland*  
**Hydrological and soil conditions of wild garlic (*Allium Ursinum*) habitat in Bieszczady National Park (Polish Carpathians)**
25. **Adrian PURDEL**, *University of Suceava, Department of Geography, Romania*  
**Floods from 14-15 september 2024 from Galati and Vaslui counties, in the perspective of the climate change**
26. **Anca PETRAS and Marcel MINDRESCU**, *Department of Geography, University of Suceava, Romania and Geoconcept Association of Applied Geography, Carlibaba, Romania*  
**Accumulation rate of a peat core sequence in the Northern Romanian Carpathians**
27. **Mihai BARBACARIU and Marcel MINDRESCU**, *Department of Geography, Univeristy of Suceava, Romania*  
**The impact of climate change on geomorphological risks in Suceava municipality**
28. **Diana ISTRATE**, *Stefan cel Mare University, Department of Geography, Suceava, Romania*  
**Demographic evolution and population structures in Sucevița and Voievodeasa: historical perspectives and contemporary trends**
29. **Bogdan RIDUSH et al.**, *Yuriy Fedkovych Chernivtsi Natuional University, Chernivtsi, Ukraine*  
**Postglacial landcapes of Albanian Alps, Valbona River valley**

30. **Daniel-Nicușor SANISLAI and Delia-Carmen POP**, *„Gheorghe Marina” Pomi Secondary School, Satu Mare, Romania and „Vasile Goldiș” Western University of Arad, Economic Sciences, Informatics and Engineering Faculty, Satu Mare Branch, Romania*

**Some aspects regarding the climatic conditions and the pluviometric regime are triggering factors in the formation of the water surplus in the Someș plain**

31. **Ala DONICA et al**, *Institute of Ecology and Geography of Moldova State University and Institute of Genetics, Physiology and Plant Protection of Moldova State University*

**Health indicators of oak species (*Quercus robur*, *Q. petraea*, *Q. pubescens*) in the context of transboundary pollution and climate change**

32. **Gheorghe BĂDĂLUȚĂ et al.**, *University of Suceava, Department of Geography, Romania*

Soil geochemistry varies with degree of soil weathering and land productivity in the catchment of Lake Tăgă Mare, Transylvania

33. **Carmen-Andreea BĂDĂLUȚĂ et al.**, *Ștefan cel Mare University of Suceava*

**Floods analysis in the lower part of Danube basin**

34. **Yaroslav ZELENCHUK and Nechai MYKHAILO**, *National Park "Verkhovynskyi", Ukraine*

**Historical evolution, current state and risks and perspectives for old-growth forests and old plantations in Chivchyno-Gryniav Mountains in the context of climate changes**

**SUNDAY, October 13<sup>th</sup> 2024**

***DEPARTURE***

**ORGANIZING COMMITTEE:**

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