



Faculty of Geography  
University of Bucharest



International Geographical Union (IGU)  
Commission on Health and Environment (CHE)  
Commission on Land Use/Land Cover Change (LU/LCC)  
Commission on Local and Regional Development (LRD)



Institute of Geography  
Romanian Academy

# Health, Environment and Sustainable Development: Changes, Challenges and Opportunities in a Post-Pandemic World

---

## CONFERENCE PROGRAMME

---



Bucharest & Danube Delta  
13th - 16th of June  
Romania



## CONFERENCE PROGRAMME

### 13th of June 2023

**8.30-9.30: Registration: Romanian Academy, Calea Victoriei 125**

#### **9.30-10.00 Welcome and introduction: Aula Magna, Romanian Academy**

- **Acad. Nicolae Zamfir** - Vice-President of the Romanian Academy
- **Professor Sorin Costreie** - Vice-Rector, University of Bucharest
- **Acad. Dan Bălteanu** - Director of the Institute of Geography
- **Dr. Monica Dumitrașcu** - Chair IGU LUCC Commission
- **Dr. Ines Grigorescu** - Chair IGU LRD Commission
- **Professor Liliana Dumitrache** - Head of the Department of Human and Economic Geography/IGU CHE Steering Committee Member

#### **10.00-11.00. Plenary session 1: Aula Magna, Romanian Academy**

- **Professor Marcel Ioan Boloș - Minister of Investments and European Projects** - *EU funding perspectives, in the context of a post-pandemic world. Recovery and resilience of EU Member States to boost employment, healthcare and social inclusion*
- **Dr. Raed Arafat – Secretary of State**, Head of Department of Emergency Situations at Ministry of Internal Affairs

#### **11.00-11.30: Coffee break**

#### **11.30-13.00. Plenary session 2: Aula Magna, Romanian Academy**

- **Professor Mark Rosenberg (Canada)** - *What did most countries learn from the ongoing COVID-19 Pandemic?*

- **Professor Michael Sofer (Israel)** - *COVID-19, cultural tourism and local and regional development: The case of Beit She'an Valley, Israel*
- **Professor Joseph Oppong (USA)** - *Preparing for future Pandemics in Africa – opportunities and challenges*
- **Professor Monika Kopecká (Slovakia)** - *Land Use and Land Cover change research - progress and challenges*

**13.00 - 14.00: Lunch**

## **14:00 – 18:30: THEMATIC SESSIONS**

**14:00-15:45: Parallel Session 1: Health, Wellbeing and Sustainable Development in Urban and Rural Areas: facing the Challenges of Covid-19**  
**(Room: 3MV - Faculty of Agricultural and Environmental Economy, Bucharest University of Economic Studies)**

**Chairs: Ricardo Almendra & Iren Szörényiné Kukorelli**

1. **Liliana Dumitrache, Mariana Nae** - *Promoting healthy foods and diets in culinary blogs: Exploring communication, recipes, and attitudes in Romanian foods blogs*
2. **Iren Szörényiné Kukorelli** - *The use of green and blue infrastructure for the health of citizens - experiences of a research*
3. **Patricia Llanos Torrico** - *ICT in a Bolivian periphery (Ixiamas)*
4. **Ricardo Almendra, Paula Santana** - *Spatiotemporal trends of the mortality due to Suicide in Mainland Portugal: A Geographical approach*
5. **Annamária Uzzoli, Balázs Szabó** - *Geographical differences in COVID-19 epidemic waves of Hungary*
6. **Angelo Andi Petre, Ioana Alexandra Mirea, George Alexandru Moțoiu** - *The relationship between spatial allocation of healthy food options and health*
7. **Alina Mareci, Liliana Dumitrache, Mariana Nae, Anca Tudoricu, Alexandra Cioclu** - *Obstacles in ensuring human rights: perceived challenges of accessing healthcare services in Romania for asylum seekers and people with refugee background.*
8. **Ana-Irina Lequeux–Dincă, Georgiana-Cătălina Arsene, Aurel Gheorghilaș, Camelia Teodorescu** - *Visiting museums – a positive factor for the subjective well-being in the post-COVID Bucharest*

**14:00-15:45: Parallel Session 2: Health Systems Responsiveness to the Changing Social and Natural Environment**

(Room: 3MVI - Faculty of Agricultural and Environmental Economy,  
Bucharest University of Economic Studies)

**Chairs: Vassilis Pappas & Liliana Dumitrache**

- 1. Andreas Koch** - *The contribution of eHealth-care services' decentralization to empower local rural communities*
- 2. Vassilis Pappas, Byron Kotzamanis** - *Spatial accessibility of health infrastructure in Greece*
- 3. Alexandru Mihăilescu** - *The potential geographic accessibility of hospital services in Cluj County*
- 4. Bogdan Suditu, Cristian Cazacu, Daniel Rădulescu** - *Territorial disparities in the distribution of health infrastructure in Bucharest during COVID-19*
- 5. Alexandra Cioclu** - *Geospatial analysis of access to cardiovascular healthcare services in Romania*
- 6. Cristian Cazacu** - *Territorial disparities in the distribution of primary healthcare units in the Bucharest-Ilfov Metropolitan Area after the Pandemic*
- 7. Radu-Daniel Pintilii, Beatrice Mahler, Nicoleta Cioran, Ioana Munteanu, Octavian Andronic, Aurel Băloi, Marian Marin, Daniel Constantin Diaconu** - *Resilience of the healthcare system to the SARS-COV-2 (COVID-19) pandemic crisis in Romania*
- 8. Andrew Kinson**, *A geographical approach to vascular screening in an age of COVID-19 prioritization*

**14:00-15:45: Parallel Session 3: Applications of Land Use/Cover Change and Impacts at Various Spatial Scales**

(Room: Aula Magna, Romanian Academy)

**Chairs: Monica Dumitrașcu & Mihai Răzvan Niță**

- 1. Javier Nunez Villalba** - *GeoVisor UMSA, a geospatial tool for environmental monitoring*
- 2. Yuri Sandoval Montes** - *Using Google Earth engine for forest applications in Bolivia*

3. **Mihai Răzvan Niță, Diana Andreea Onose, Ioan Cristian Iojă** - *Evaluating health determinants in the transition to green cities*
4. **Odelin Talabă, Alexandra Vrînceanu, Monica Dumitrașcu** - *The impact of European energy policies at the local level in the context of climate changes*
5. **Cristiana Maria Pioarca-Ciocanea, Mihăiță Iulian Niculae, Gabriel Ovidiu Vânău, Iulia Miu, Lavinia Pîndaru** - *Assessing perception of the actors involved in the management of protected areas regarding the habitat fragmentation and the efficiency of biodiversity conservation in Romania*
6. **Vera Vinogradova** - *Trends in bioclimatic conditions in Russia at the beginning of the 21st century*
7. **Mihai Răzvan Niță, Giorgiana-Raluca Barbu** - *Demonstrating the potential of nature-based solutions projects in the context of public policy implementation*

**14:00-15:45: Parallel Session 4: Socio-economic Disparities, Local and Regional Development in the Post-Covid Era**  
**(Room: 3MVII - Faculty of Agricultural and Environmental Economy, Bucharest University of Economic Studies)**

**Chairs: Carmen Vázquez-Varela & Michał Konopski**

1. **Carmen Vázquez-Varela** - *Cultural Innovation in rural areas: cultural initiatives as a tool for revitalisation in Castilla-La Mancha*
2. **Michał Konopski, Marcin Mazur** - *Socio-economic inequalities at different spatial scales in Europe and population vulnerability to pandemics*
3. **Dániel Balizs** - *Local social and natural effects of suburbanization - Conflicts and strategies*
4. **Vasile-Gabriel Dascălu, Cristian Constantin Drăghici, Alexandra Grecu** - *The impact of the COVID-19 pandemic on Romanian tourism. Case study: Dobrogea region*
5. **Gabriel-Cosmin Ilie** - *Sustainable development through geotourism. Case study: Buzău Valley, Romania*
6. **Igor Cavallini Johansen, Miquéias Freitas Calvi, Verônica Gronau Luz, Ana Maria Segall Corrêa, Caroline Chaves Arantes, Victoria Judith Isaac Nahum, Renata Utunomiya, Vanessa Cristine, Souza Reis, Emilio F. Moran** - *Large hydropower dams' construction is associated with poverty and food insecurity in the Brazilian Amazon: the case of Belo Monte dam*
7. **Radu Săgeată, Nicoleta Damian, Mihaela Persu** - *Education during the pandemic. Political-administrative decisions between education and health. The case of Romania*

**15:45-16:15: Coffee Break**

**16:15-18:00: Parallel Session 5: Land Use/Cover Change Driving Forces and Impacts**

**(Room: Aula Magna, Romanian Academy)**

**Chairs: Monika Kopecká & Tamás Hardi**

- 1. Antonio-Valentin Tache, Oana-Cătălina Popescu, Alexandru-Ionuț Petrișor** - *Methodology for planning the blue-green infrastructure in the metropolitan area of a large city. Case study: Bucharest, Romania*
- 2. Florentina-Cristina Merciu, Cornel Păunescu, George-Laurențiu Merciu** - *The impact of deindustrialization on the adaptive reuse of industrial sites. Case study: Timișoara municipality (Romania)*
- 3. Irena Blagajac, Ivan Samardžić** - *Factors of origin and mitigation measures of flood and erosion in Municipality of Rakovica (Belgrade, Serbia)*
- 4. Tamás Hardi, Orsolya Farkas** - *Environmental effects of periurban growth patterns on the transport-related pollutant emissions*
- 5. Alexandra Vrînceanu, Gheorghe Kuscicsa, Monica Dumitrașcu, Ines Grigorescu, Odelin Talaba** - *Site suitability for wind power plants, Romania*
- 6. Andrea Pozsgai** - *Changes in agricultural land use in an urbanising small area, Szigetköz (Hungary) and their impact on agricultural production*
- 7. Monica Dumitrașcu, Alexandra Vrînceanu, Ines Grigorescu, Gheorghe Kuscicsa, Cristina Dumitrică, Irena Mocanu, Bianca Mitrică, Odelin Talabă** - *Land use/cover changes related to renewable energy use in Romania: driving forces and consequences*

**16:15-18:00: Parallel Session 6: Socio-economic Disparities, Local and Regional Development in the Post-Covid Era**

**(Room: 3MVII - Faculty of Agricultural and Environmental Economy, Bucharest University of Economic Studies)**

**Chairs: Michael Sofer & Claudia Costa**

- 1. Eszter Szemerédi** - *Heat islands and residential environment: An exploratory study across eight major Hungarian cities*
- 2. Irena Mocanu, Paul-Răzvan Șerban, Bianca Mitrică, Nicoleta Damian, Ines Grigorescu** - *Local culture and its valorisation through cultural tourism in rural*

*communities. Residents' perception in Buzău Carpathians and Subcarpathians (Romania)*

**3. Ines Grigorescu, Monica Dumitrașcu, Irena Mocanu, Bianca Mitrică, Nicoleta Damian, Elena Ana Popovici, Mihaela Sima** - *Post-Pandemic challenges and opportunities for the social-ecological resilience and adaptation of sub-urban farming in Bucharest Metropolitan Area*

**4. Claudia Costa** - *Achieving impact on SDGs at the local level. The case of the SDG Observatory of Pombal, Portugal*

**5. Daniela Zamfir, Ilinca-Valentina Stoica, Daniel-Vasile Rădulescu** - *Demographic disparities and related challenges in a specific type of territory: the Carpathian Mountains in Romania*

**6. Mihaela Preda, Anca Tudoricu, Alina Mareci, Iuliana Vijulie** - *Having to balance tourism and community development – the role and consequences of King Charles' brand in Viscri*

**7. Ana-Maria Taloș, Florin-Alexandru Zaharia, Răzvan Muntean, Alexandru Coman** - *Case Study Analysis: Access to unconventional local producers in Covasna County, Romania (Chichiș, Ozun, and Sântionlunca)*

**16:15-18:00: Parallel Session 7: Territorial Development, Cross-Border Cooperation and Peripheral Areas**

**(Room: 3MVI - Faculty of Agricultural and Environmental Economy, Bucharest University of Economic Studies)**

**Chairs: Patrik Tátrai & Bianca Mitrică**

**1. Marcel Pleijte, Bas Pedroli, Eline van Elburg** – *Cultural tourism as driver for development in peripheral areas*

**2. Patrik Tátrai, Ágnes Erőss, Katalin Kovály** – *Patterns of elderly migration in the Hungarian-Ukrainian border zone: a rural periphery transformed by cross-border mobility*

**3. Bianca Mitrică, Dan Bălțeanu, Nicoleta Damian, Despina Saghin, Irinel Precup, Marin Ilieș, Irena Mocanu** - *Ukrainian refugees in Romania: perception and social challenges*

**4. Aygun Kam** – *Exploring the effectiveness of remote work in the public utility sector: a management insight*

**5. Daniela Dumbrăveanu** – *Bilateral Romanian – Serbian Cross border Cooperation agreements concerning Covid regulations as significant survival factors for local Tourism*

**6. George Săcăreanu, Andreea-Loreta Cercleux, Elena Bogan, Cosmina Andreea Manea** – *Migrations – a growing phenomenon in the 21st century. Particularities at the level of Romania*

**7. Mălina-Mihaela Simioana** – *Urban regeneration and territorial cohesion – analyzing urban regeneration projects in the North-West Region during the 2014-2020 programming period using GIS techniques*

**16:15-18:00: Parallel Session 8: Environmental Changes and Human Health: Vulnerabilities, Impacts and Inequalities**

**(Room: 3MV - Faculty of Agricultural and Environmental Economy, Bucharest University of Economic Studies)**

**Chairs: László Zentai & Muhammed Kamil Öden**

- 1. Muhammed Kamil Öden** - *Treatment of wastewater generated during underground drilling and optimization using the Response-surface method*
- 2. Daniel Peptenatu, Beatrice Mahler, Aurel Băloi, Nicoleta Cioran, Ioana Munteanu, Octavian Andronic, Alexandra Bolocan, Andreea Karina Gruia, Radu-Daniel Pintilii** - *Structural patterns of the geographical distribution of Tuberculosis in Romania*
- 3. László Zentai** - *European MSc on Global Challenges for Sustainability*
- 4. Bilgehan Yabgu Horasan, Alican Ozturk, Eyyüp Hikmet Kinaci, Damla Kaya, Hamit Emre Yilmaz** - *Examination of health and environmental effects of naturally asbestos containing rocks*
- 5. Anca Tudoricu, Ilinca-Valentina Stoica** - *Using Participatory Action Research (PAR) for bioremediation and community development. Case study: Canrey Chico, Ancash region, Peru*
- 6. Yolande Raharilantsoa**- *Plague persistence in the Highlands of Madagascar: environment, isolation and population vulnerability*
- 7. Iulia Daniela Nedelcu, Daniel Peptenatu, Adrian Gabriel Simion, Ion Andronache** - *Geographical distribution of Cancer in Romania. Analysis of continuity and persistence*

**16:15-18:00: Parallel Session 9: Socio-economic Disparities, Local and Regional Development in the Post-Covid Era**

**(Room: Ion Conea, Faculty of Geography)**

**Chairs: Gabriel Simion & Florin-Alexandru Zaharia**

- 1. Ana-Maria Roangheș-Mureanu, Amalia Mihaela Oglindoiu** - *Trend in spa tourism in the context of the Covid 19 pandemic*



2. **Amalia Mihaela Oglindoiu, Ana-Maria Roangheș–Mureanu** - *Demographic vulnerabilities in the cities of Mehedinți County*
3. **Cristina Maria Cruceru** - *Land Use/Cover Changes in the Gorj Subcarpathians, Romania*
4. **Florin-Alexandru Zaharia, Ana-Maria Taloș** – *Using GIS and Open Source Data to assess the geographical accessibility of the population to health services in Bucharest*
5. **Gabriel Simion, Robert Musil** - *Transformation of the brownfield sites in Bucharest and Vienna*

### POSTER SESSION 1 (Room: Romanian Academy Hall)

1. **Elena-Ana Popovici, Ines Grigorescu, Gheorghe Kucsicsa, Bianca Mitrică, Monica Dumitrașcu, Cristina Dumitrică, Irena Mocanu, Cătălin Ciubuc** - *Long-term changes of agricultural land over the last century in Romania. The showcase of the Romanian Plain*
2. **Byron Kotzamanis, Vassilis Pappas** - *Population within N2K areas in Greece*
3. **Claudiu Bîță** - *The evolution of planning and urbanism in the periurban space of Bucharest. Comparative analysis of the cities Otopeni, Bragadiru and Snagov village.*
4. **Alina-Simona Caloian** - *Analyzing the accessibility to healthcare services using estimated travel time in South - East Region of Romania*
5. **Anna Grzelak** - *The importance of revitalization in increasing competitiveness at the local level in Poland - selected examples of small cities*
6. **Vedika Maheshwari** - *Assessing the combined effects of air pollution and extreme heat on the health and productivity of cycle rickshaw pullers in Delhi*
7. **Alina Răduțu, Maria-Ioana Vlad-Șandru** - *Review on the use of satellite-based radar interferometry for monitoring mining subsidence in urban areas and demographic indicators assessment*
8. **Karolina Kacprzak, Ewa Szafrńska, Joanna Kowalczyk-Anioł** - *Tourist short-term rental platforms (Airbnb and Vrbo) during the COVID-19 pandemic: case of Polish cities*

### POSTER SESSION 2 (Room: - Faculty of Agricultural and Environmental Economy, Bucharest University of Economic Studies Hall 3<sup>rd</sup> floor)

1. **Cristina Elena Mihalache** - *Dynamics of land use change in the Dobrogea Region in the period 1990-2018: A geospatial Approach*
2. **George Murătoareanu** - *Land degradation assessment in Leaota Mountains*

- 3. Valentina-Mariana Mănoiu, Alexandru-Ioan Crăciun** - *Water quality and water pollution in time of COVID-19: positive and negative repercussions*
- 4. Sebastian Andrieșei** - *G.I.S. instruments for territorial development projects*
- 5. Cătălina-Armanca Ancuța, Alexandru Drăgan, Ioan-Sebastian Jucu** - *Socio-economic disparities and local sustainable development through tourism. A comparative analysis of the small tourism resorts of Heviz (Hungary) and Buziaș (Romania)*
- 6. Cristina Dumitrică, Bianca Mitrică, Ines Grigorescu** - *Modelling suitability for the development of cultural tourism using SPOT-IT in Buzău Carpathians and Subcarpathians, Romania*
- 7. Mihaela Persu, Radu Săgeată** - *The Coronavirus Pandemic and the impact of anti-Covid-19 measures on the population in Romania*
- 8. Ignacy Waleski** - *The influence of socialist modernist architecture on local development*

**19:00 – Conference reception – Bucharest City Hall**  
**(Adress: Bulevardul Regina Elisabeta 47, București 030167)**

## **DAY 2 -14 june 2023**

**8.30-13.30 Bucharest Guided tours (optional)**

**Tour Option 1** - House of Parliament (People’s House) & Old City

**Tour Option 2** - Village Museum & New Bucharest

**Meeting point – Romanian Academy 8.30**

**Conference Fieldtrip Dobrogea & Danube Delta, 14-16 June 2023**

**Fieldtrip General information:**

**14 June 2023**

**14:00 – 14.30 – Lunch & Departure to Tulcea- (from Romanian Academy)**

**18.00 - 20. 30 Accommodation & Dinner Hotel Delta -Tulcea**

**15 June 2023**

**9.30-18.00 Boat trip Danube Delta**

**19. 00. Conference Dinner & social event-Hotel Delta-Tulcea**

**16 June 2023:**

**9.00 – Dobrogea region -Black Sea & Constanța**

**Return Bucharest aprox 19.00-20.00**



**IGU – HESD CONFERENCE, BUCHAREST 2023  
SCIENTIFIC COMMITTEE:**

**Helen Gurgel** (University of Brasilia, Chair of the Health and the Environment Commission)

**Eva Pilot** (Maastricht University, Scientific Secretary of the Health and the Environment Commission)

**Thomas Krafft** (Maastricht University, Past-Chair of the Health and the Environment Commission)

**Paula Santana** (Coimbra University, Past-Chair of the Health and the Environment Commission)

**Yola Verhassel** (Vrije Universiteit Brussel, Honorary Member, Health and the Environment Commission)

**Mark Rosenberg** (Queen's University, Canada, Honorary Member, Health and the Environment Commission)

**Liliana Dumitrache** (University of Bucharest, Steering Member, Health and the Environment Commission)

**Dagmar Dzurova** (Charles University, Prague, Steering Member, Health and the Environment Commission)

**Raul Borges Guimarães** (State University of Sao Paulo, Past-Steering Member, Health and the Environment Commission)

**Izabella Lecka** (University of Warsaw, Past-Steering Member, Health and the Environment Commission)

**Dan Bălteanu** (Romanian Academy, IGU-Chair of Romanian National Committee)

**Monica Dumitrașcu** (Institute of Geography, Romanian Academy, Chair of Land Use/Land Cover Change Commission)

**Matej Gabrovec** (Anton Melik Geographical Institute, Slovenian Academy of Sciences and Arts, Past-Chair of Land Use/Land Cover Change Commission)

**Monika Kopecká** (Institute of Geography, Slovak Academy of Sciences, Steering Member, Land Use/Land Cover Change Commission)

**Lucie Kupková** (Charles University, Prague, Steering Member, Land Use/Land Cover Change Commission)

**Daniela Alexandra Teixeira da Costa Ribeiro** (Anton Melik Geographical Institute, Slovenian Academy of Sciences and Arts, Steering Member, Land Use/Land Cover Change Commission)

**Ines Grigorescu** (Institute of Geography, Romanian Academy, Chair of Local and Regional Development Commission)

**Carmen Vázquez-Varela** (Castilla-La Mancha University, Vice-Chair of Local and Regional Development Commission)

**Bianca Mitrică** (Institute of Geography, Romanian Academy, Scientific Secretary, Local and Regional Development Commission)

**Michael Sofer** (Bar Ilan University, Honorary Member of Local and Regional Development Commission)

**Jerzy Banski** (Institute of Geography and Spatial Organization, Polish Academy of Sciences, Honorary Member of Local and Regional Development Commission)

**LOCAL ORGANIZING COMMITTEE:**

Prof. Liliana Dumitrache, Dr. Monica Dumitrașcu, Dr. Mariana Nae, Dr. Bogdan Suditu, Dr. Daniela Dumbraveanu, Dr. Ines Grigorescu, Dr. Bianca Mitrică, Dr. Ana-Maria Talos, Dr. Alina Mareci, Dr. Anca Tudoricu, Dr. Gheorghe Kucsicsa, Dr. Nicoleta Damian, Dr. Alexandra Vrînceanu, PhD Student Florin-Alexandru Zaharia, Ph.D. Student Alexandra Cioclu, Master Student Angelo Andi Petre.