

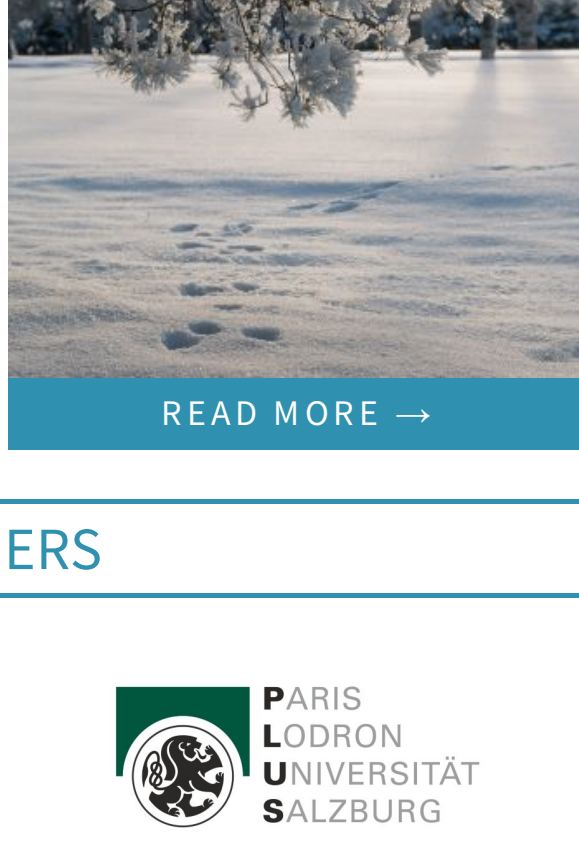
NEWSLETTER

No 6, December 2023

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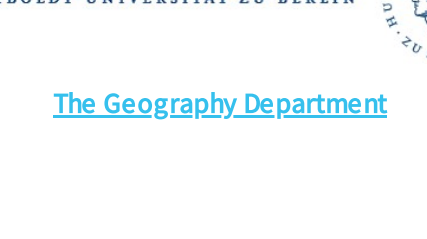
ABOUT THE PROJECT

HES-GEO project aims to enhance existing research capacity and stimulate scientific excellence in the [Institute of Geography and Spatial Management \(IGSM\)](#), [Jagiellonian University](#), in studying **human-environmental systems (HES)** of the Anthropocene, along variety of urban-rural-marginal gradients, at various spatial and temporal scales and using **tools and data available through Earth observation (EO) and geospatial technologies**.



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PARTNERS



[Institute of Geography and Spatial Management \(IGSM\)](#)



[The Department of GeoInformatics – Z_GIS](#)



[The Geography Department](#)



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PROJECT PROGRESS - EVENTS



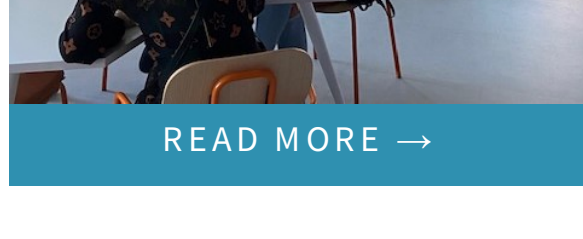
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FORUM CARPATICUM 2023
Carpathian Futures - Critical Transitions, 25-28 September 2023, Kraków, Poland
On September 25-28, the Human-Environmental Systems Research Center operating at the Faculty of Geography and Geology of the Jagiellonian University in Krakow organized the 7th Forum Carpatium conference in the building of the 3rd Campus of the Jagiellonian University, which gathered 125 scientists and practitioners from 15 countries.

HES-GEO Partnership Workshop
On September 26, 2023, the HES-GEO Partnership Workshop was held during the Forum Carpatium 2023 conference. The workshop was a networking meeting of representatives of educational and research institutions, non-governmental organizations and stakeholders operating in the field of human-environmental systems. The main aim of the workshop was to exchange expertise and join forces to exploit the various research and collaboration opportunities offered by European research programs.



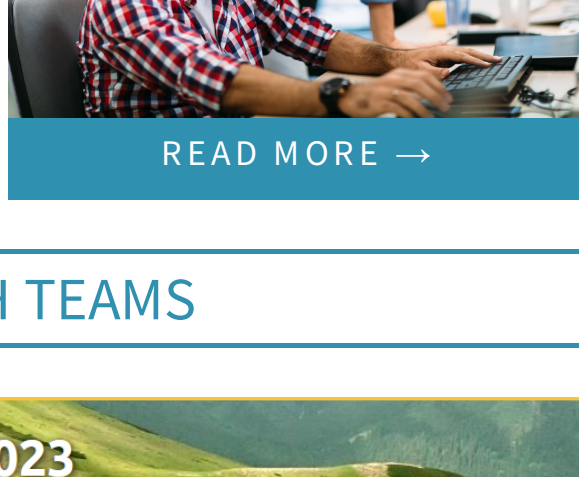
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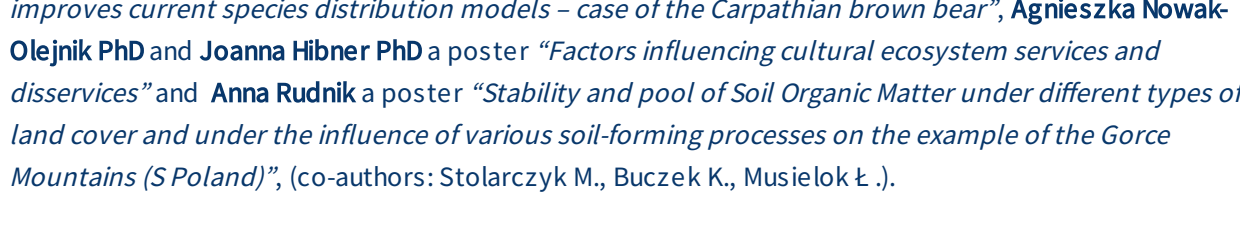
INTERREG CENTRAL EUROPE CENTRAL MOUNTAINS Workshop
On September 28, 2023, during the Forum Carpatium 2023 conference, the INTERREG CENTRAL EUROPE CENTRAL MOUNTAINS Workshop with Young Students on Good Governance Models and Participation Processes in Alpine-Carpathian Areas took place. The aim of the workshop was to engage students in the discussion on the common Alpine-Carpathian sustainable development strategy.

MAXQDA Workshops
On December 8 and 18, 2023, as part of the HES-GEO project workshops entitled: **"Introduction to qualitative data analysis using MAXQDA"** were organized by CAQDAS TM Lab at the Institute of Geography and Spatial Management of the Jagiellonian University at Gronostajowa 7 in Krakow. 2 meetings of 8 training hours each brought together a dozen of young researchers who acquired knowledge and skills in 4 thematic modules.



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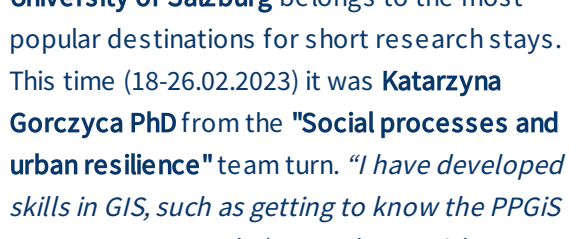
RESEARCH TEAMS



FORUM CARPATICUM 2023
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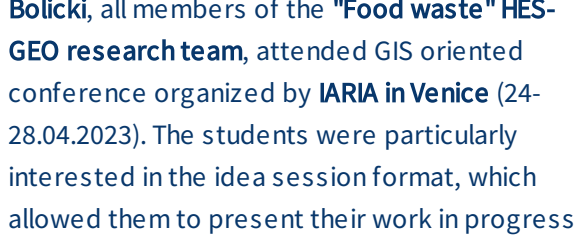
Forum Carpatium 2023
During the 7th Forum Carpatium international conference "Carpathian Futures - Critical Transitions", organized on September 25-28, 2023 by the Human-Environmental Systems Research Centre at the 3rd Campus of the Jagiellonian University, some HES-GEO research teams members presented their works: **Dominik Kaim PhD** and **Elżbieta Ziółkowska PhD** a presentation *"Using of historical spatial data improves current species distribution models – case of the Carpathian brown bear"*, **Agnieszka Nowak-Olejnik PhD** and **Joanna Hibner PhD** a poster *"Factors influencing cultural ecosystem services and disservices"* and **Anna Rudnik** a poster *"Stability and pool of Soil Organic Matter under different types of land cover and under the influence of various soil-forming processes on the example of the Gorce Mountains (S Poland)"*, (co-authors: Stolarczyk M., Buczek K., Musielok Ł.).

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Research internship in Salzburg
Z_GIS Department of GeoInformatics of the University of Salzburg belongs to the most popular destinations for short research stays. This time (18-26.02.2023) it was **Katarzyna Górczyca PhD** from the **"Social processes and urban resilience"** team turn. *"I have developed skills in GIS, such as getting to know the PPGIS apps or ArcGIS tools (e.g. such as QuickCapture, or ArcGIS123), testing it, and developing skills in using it as a tool for the involvement of citizens in data collection,"* comments Katarzyna.

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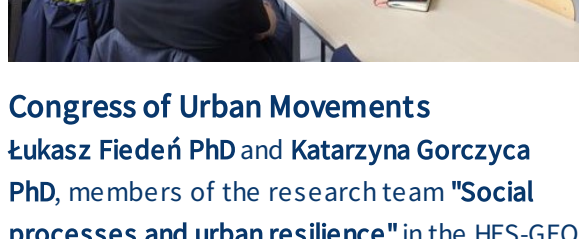
Networking with GIS experts in Venice
Mateusz Rusin, Magdalena Pączek and Filip Bolicki, all members of the **"Food waste"** HES-GEO research team, attended **GIS oriented conference** organized by **IARIA in Venice** (24-28.04.2023). The students were particularly interested in the idea session format, which allowed them to present their work in progress and receive feedback from the audience.

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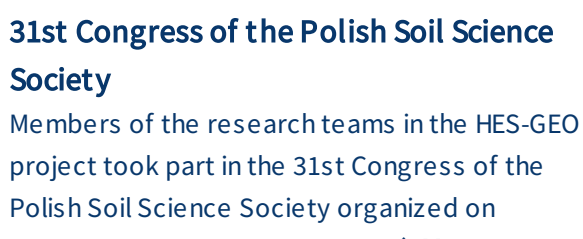
Research internship in Leuven
The primary goal of **Magdalena Kubal-Czerwńska PhD** during her visit to **KU Leuven** (13.04 -13.05.2023) was to discuss a project proposal for financial institutions within the **"Food waste"** research team. Especially to **ought expert guidance** from **Prof. Anton Van Rompaey** of the Geography and Tourism Research Group to tailor the Food Waste research team proposal effectively. In addition, she was eager to explore food security issues and learn from institutions like **SAAMO** in the Flemish Brabant region, which successfully reduced food waste.

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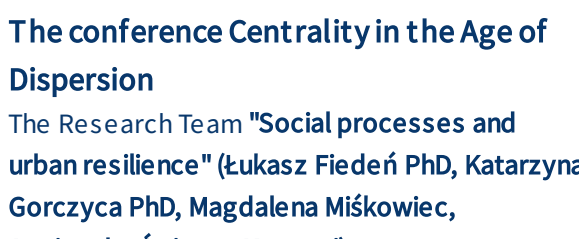
Congress of Urban Movements
Łukasz Fiedor PhD and **Katarzyna Górczyca PhD**, members of the research team **"Social processes and urban resilience"** in the HES-GEO project, participated in the 8th Congress of Urban Movements in the last week of June (25-26/06/2023) organized by the Gdańsk University of Technology in Gdańsk. Researchers joined a panel discussion on the role of urban movements, social initiatives and neighborhood initiatives in human-environmental relations: from research to practice.

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31st Congress of the Polish Soil Science Society
Members of the research teams in the HES-GEO project took part in the 31st Congress of the Polish Soil Science Society organized on September 11-16, 2023 in Poznań. **Mateusz Stolarczyk MSc** delivered a lecture entitled: *"Degree and paths of transformation of ombrogenic peat soils due to drainage on the example of the Western Bieszczady Mountains"*, while **Magdalena Górczyca PhD** presented a poster titled *"LUCAS soil databases as a tool for estimating changes in organic carbon content in European mountain forest soils"* (co-authors: Stolarczyk M., Bartos A., Gołab A., Musielok Ł.). They both received awards for the **best presentation and poster**, respectively.

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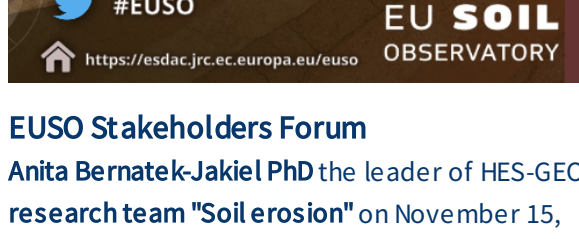
The conference Centrality in the Age of Dispersion
The Research Team **"Social processes and urban resilience"** (**Łukasz Fiedor PhD, Katarzyna Górczyca PhD, Magdalena Miśkowiec, Agnieszka Świągost-Kapocsi**) in the HES-GEO project prepared a speech entitled *"How stakeholders' involvement could build resilient urban communities"* during the international conference *"Centrality in the Age of Dispersion"* organized in Wrocław on September 28-29, 2023 by the Wrocław University of Science and Technology.

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XII OGÓLNOPOLSKA KONFERENCJA NAUKOWA MŁODYCH BADACZY
Współczesne problemy i kierunki badań w geografii
12th National Conference of Young Researchers
During the 12th National Conference of Young Researchers organized on October 20-22, 2023 at IGIGP UJ, **Dawid Piątek MSc**, a member of the **"Soil erosion"** research team in the HES-GEO project, delivered a paper entitled *"How does ski infrastructure change the intensity of soil erosion?"*.

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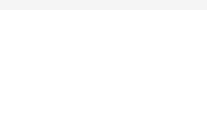


EUSO Stakeholders Forum
Anita Bernatek-Jakiel PhD the leader of HES-GEO research team **"Soil erosion"** on November 15, 2023, during the Third EUSO Stakeholders Forum, (the Technical Working Group "Soil erosion") delivered a speech titled: *"A piping erosion susceptibility map of Europe - preliminary results"*.

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EXCELLENCE CENTRE

On December 31, 2023, the HES-GEO project, to which this newsletter is dedicated, comes to the end. One of the results of the project is the Human-Environmental Systems Research Centre, which was established at the Faculty of Geography and Geology of the Jagiellonian University. The task of the Centre is comprehensive research, development and educational activity on spatial relations in human-environmental system. We invite you to follow the centre's current activities on its website and blog!



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