



ADAM MICKIEWICZ  
UNIVERSITY  
IN POZNAŃ



# **IAG-Urban Geomorphology-2025 Working Group Workshop**

## **Geomorphology, geodiversity and geosites in urban areas**

**May 12-15, 2025**

**Kraków, Poland**

### **Fourth circular**

We are pleased to invite you to take part in  
the 1<sup>st</sup> Workshop of the IAG-Urban Geomorphology Working Group  
which will take place at the University of the National Education Commission  
in Kraków, at 2 Podchorążych Street

The workshop aims to bring together urban geomorphologists and geographers from all continents to contribute to a better understanding of ancient and modern geomorphological processes taking place in the world's urban areas, as well as to facilitate future cooperation. English is the official language of the workshop.

### **KEYNOTE SPEAKERS:**

Dr Marta Chmielewska (Poland)  
RNDr. Lucie Kubalíková, Ph.D. (Czech Republik)  
Prof. Adam Łajczak (Poland)  
Dr Alessia Pica (Italy)  
Prof. Piotr Wężyk (Poland)  
Prof. Zbigniew Zwoliński (Poland)

### **SCIENTIFIC COMMITTEE:**

Prof. Pierluigi Brandolini (Italy)  
Prof. Maurizio Del Monte (Italy)  
Dr. Alessia Pica (Italy)  
Dr. Francesco Faccini (Italy)  
RNDr. Lucie Kubalíková, Ph.D. (Czech Republik)  
Prof. Adam Łajczak (Poland)  
Prof. Laura Melelli (Italy)  
Prof. Emmanuel Reynard (Switzerland)  
Prof. Konstantinos Vouvalidis (Greece)  
Prof. Zbigniew Zwoliński (Poland)

## DETAILED PROGRAMME

### - Monday, 12 May 2025:

11.00-12.00 - Registration of participants

11.45-12.00 - Opening ceremony

#### 12.00-13.30 - Plenary session (Chair: Zbigniew Zwoliński):

12.00-12.30: Alessia Pica: Human activities as a physical process of change: insights from urban geomorphology of Italy

12.30-13.00: Lucie Kubalíková: Urban geoheritage in danger: How to identify and evaluate the risks and threats to geosites in urban areas.

13.00-13.30: Adam Łajczak, Roksana Zarychta: Changes in topography in the historic centre of Kraków City, Poland, over the last millennium

13:30-14.30 - Lunch

#### 14.30-17.00 - 1st session (Chair: Alessia Pica):

14.30- 15.00: Marta Chmielewska: Artificial landforms in the post-mining urban space – examples from the Ruhr Metropolis and the Metropolis GZM

15.00-15.30: Francesco Faccini, Andrea Ferrando, Andrea Mandarinò and Martino Terrone: Geomorphological analysis of urban landscape: a case from Hospital Complex and University Campus in San Martino district, Genoa city (Italy)

15.30-15.50: Zbigniew Zwoliński: Anthropogenic landforms on digital geomorphological maps of Poland at scales of 1:100,000 and 1:500,000

15.50-16.10: Gergino Chounna Yemele, Philip Minderhoud, Leonard Ohenhen, Katharina Seeger, Manoochehr Shirzaei, Pietro Teatini: Land Subsidence and Coastal City Vulnerability: Elevation Data Challenges in Douala Coastland, Cameroon

16.10-16.30: Rihab Abdelkebir, Tarek Ben Fraj, Aziza Ghram Messedi, Emmanuel Reynard, Hedi Ben Oueddou: Geoheritage assessment and temporal scale imbrication in urban geomorphosites: A case study in Ghomrassen (Southeast Tunisia)

#### 16.30-17.30 Coffee break & poster session (Chair: Francesco Faccini):

#### POSTERS:

1. Zuzanna Biskupska: Comparative analysis of paid and open-source tools for automatic extraction of terrain data, using Citadel Park in Poznań as an example
2. Francesco Bucci, Mauro Cardinali, Michele Santangelo, Federica Fiorucci, Luca Pisano, Veronica Zumpano, Martina Burnelli, Massimiliano Alvioli: Geodiversity temporal variability as a measure of potential geomorphological hazard in areas of urban expansion

3. Anna Chrobak-Žuffová, Francesca Ugolini, David Pearlmutter, Antonio Raschi: Geodiversity and geoheritage in spas, case study: Kúpele Vyžne Ružbachy spa (Slovakia) and San Giovanni spa (Italy).
4. Iwona Hildebrandt-Radke: Changes in the landscape of medieval Poznań
5. Małgorzata Mazurek, Iwona Hildebrandt-Radke, Zbigniew Zwoliński, Jarosław Jasiewicz, Mirosław Makohonienko: Geomorphological hazards in the urban area of Poznań
6. Billy A Newman, Stuart W D Grieve, Kate L Spencer: Geomorphic characteristics of eroding anthropogenic coastlines
7. Maksymilian Solarski, Robert Machowski, Mariusz Rzętała, Martyna A. Rzętała, Abderrahman Hamdaoui: Changes in terrain elevation due to mining activities over a long period of time in the urban area (Ruda Śląska - Bielszowice, Poland)
8. Lakpa Tamang: Assessment of Geosensitivity and its association with the landslide intensity in the Darjeeling hills (India)
9. Grzegorz Wierzbicki: Urban geomorphology of the Vistula River valley in Warsaw (geomorphological map)

## **Tuesday, 13 May 2025**

### 9.30 - 10.50 - 2nd session (Chair: Lucie Kubaliková):

9.30-9.50: Hicham Bouzekraoui , Atika Mouaddine: Urban Georoute Proposal for Geotourism Development in Béni Mellal City, Béni Mellal-Khénifra Region, Morocco

9.50-10.10: Roberto Sergio Azzoni, Luca Forti, Andrea Pezzotta, Andrea Zerboni: The Derna dams collapse erased a century of urban sprawl

10.10-10.30: Anna Małka, Philip Süßer, Teemu Hagge-Kubat, Alexandra Arnold, Sylwester Kamieniarz: Factors triggering landslides in urbanized areas and their examples in Germany and Poland

10.30-10.50: Alicja Najwer: Geodiversity Assessment and Geosites Valorization in the Morasko Reserve (Poznań, Poland)

10:50 - 11.15 Coffee break

### 11.15 - 12.30 - 3rd session (Chair: Roberto Sergio Azzoni):

11.15-11.35: Grzegorz Wierzbicki: Urban geomorphology of the Vistula River valley in Warsaw

11.35- 11.55: Alessia Pica, Martina Burnelli, Maurizio Del Monte, Michele Delchiaro, Francesca Reame, Francesca Vergari, Laura Melelli, Massimiliano Alvioli: Assessing geomorphodiversity in urban areas: a challenge linked to the coexistence of anthropogenic and natural morphogenesis



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11.55-12.30: Piotr Wężyk, Wojciech Krawczyk: ALS LiDAR-based 4-D monitoring of the DTM of Kraków Municipality (Poland)

12.30-13.30 - Lunch

13.30-18.00 - Mid-workshop tour in Kraków (1st part: quarries in the city morphology)

19.00-..... - Workshop dinner (W Starej Kuchni Restaurant, 8 Św. Tomasz Street)

### **Wednesday, 14 May 2025**

9.30-11.30 – IAG Urban Geomorphology Working Group business meeting

9.30-12.30 - GIS workshop (Grzegorz Wałek, Alicja Najwer)

12.30-13.30 - Lunch

13.30 - 18.00 - Mid-workshop tour in Kraków (2nd part: Kraków Old Town)

### **Thursday, 15 May 2025**

Field trip to the Upper Silesia Region (the organizers provide lunch boxes for the trip)

Afternoon: Return to Kraków at about 18.00

### **Oral and Poster presentations guidelines:**

Oral presentation should be prepared in MS Office Powerpoint (ppt or pptx); suggested slide size widescreen 16:9

Maximum size for posters: A0 (vertical)

### **ORGANIZING COMMITTEE**

Anna Chrobak-Žuffová, Institute of Biology and Earth Sciences, University of the National Education Commission in Kraków

Renata Dulias, Faculty of Natural Sciences, University of Silesia in Katowice

Joanna Fidelus-Orzechowska, Institute of Biology and Earth Sciences, University of the National Education Commission in Kraków

Iwona Hildebrandt-Radke, Institute of Geoecology and Geoinformation, Adam Mickiewicz University in Poznań

Ewelina Lipka, Institute of Geoecology and Geoinformation, Adam Mickiewicz University in Poznań

Małgorzata Mazurek, Institute of Geoecology and Geoinformation, Adam Mickiewicz University in Poznań

Paweł Struś, Institute of Law, Economy and Administration, University of the National Education Commission in Kraków

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## VENUE

The Workshop will be held at the University of the National Education Commission in Kraków.  
Full address: 2 Podchorążych Street, 30-084 Kraków





Balice International Airport (KRK) is the main gateway with direct flights from the most relevant cities all over the world. From Balice airport to Kraków city center there are bus connections and train shuttle leaving every 30 minutes (duration 35', 17 PLN).

The easiest way to get from the center of Kraków to the conference venue is by tram, which leaves every few minutes (Tram stop: Uniwersytet Komisji Edukacji Narodowej).

Similarly, almost all Polish and European destinations are connected to Kraków by trains stopping at Kraków Main Station (Kraków Główny). Kraków Główny railway station and nearby UKEN are conveniently served by an efficient network of bus, trams, and taxis.

Information on tickets and passes to access to the public bus and trams transportation are available here: <https://www.mpk.krakow.pl/en/>

## ACCOMMODATION

The number of hotels in Kraków is countless. Only in one km range from the University there are more than 100 accommodation places, from bed and breakfast to luxury 5 stars hotels.

We recommend accommodation in the academic hotel center, which is only a 10-minute walk from the conference venue: <https://ach.uken.krakow.pl/hotel/>

## ACCESS TO THE CONFERENCE HALL

The plenary session will be held in Aula A1, which is located right next to the Side entrance to the building of the University of the National Education Commission in Kraków from Adama Chmiela Street. There is also a possibility to get the Aula A1 by the Main entrance.

