



International Association of Geomorphologists

4th IAG-EGU Intensive Course

“Geomorphic services for environmental change understanding: from field surveying to dynamic and systemic risks evaluation”

Sinaia, Romania, 12–15 September 2025

and

IAG Regional Conference on Geomorphology – Romania 2025

“Geomorphology for society: challenges and opportunities”

Timisoara, Romania, 16–18 September 2025

Report

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I would like to sincerely thank the International Association of Geomorphologists (IAG) for awarding me a grant to participate in both the pre-conference Intensive course in Sinaia and the IAG Regional Conference on Geomorphology in Timișoara, Romania.

The intensive course **“Geomorphic services for environmental change understanding: from field surveying to dynamic and systemic risks evaluation”**, held in the mountainous surroundings of Sinaia, focused on how geomorphic services can inform our understanding of environmental change and associated risks. The program combined immersive fieldwork with high-level lectures and group discussions, covering topics such as landslide dynamics, soil erosion, hazard modeling, and the integration of geomorphic data into systemic risk frameworks.

One of the most valuable aspects of this experience was the opportunity to learn and apply modern surveying techniques in real-world settings. We used tools such as UAV photogrammetry, terrestrial laser scanning, ERT, and sediment sampling to investigate active geomorphic processes. These field sessions offered hands-on insight into how to assess and monitor rapidly changing mountain environments.

It's important to acknowledge that organizing such a field-based training is increasingly complex in today's research and funding climate. The logistical demands of transporting sensitive equipment, ensuring safety in complex terrain, and coordinating a diverse group of international participants are considerable. Many of the instructors involved have intense academic responsibilities and limited time, yet they still committed to being fully present, guiding us in the field, delivering in-depth lectures, and making themselves available for questions and mentoring. Their dedication made the



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course not just possible, but exceptional. Their effort was not taken for granted. The course fostered a strong sense of scientific community and peer exchange. Each participant brought their own research focus, and we were encouraged to reflect on how the course content could inform and strengthen our work directly.

At the regional conference on Geomorphology in Timișoara, I participated in a range of sessions covering topics from remote sensing and permafrost modelling to hazards and risk management. I also presented my research during the poster session TS19: Remote Sensing and Modelling of Permafrost and Periglacial Landforms, receiving constructive feedback that will help me refine my approach moving forward.

This experience has significantly enriched my academic and professional development. I leave Romania with new technical skills, a stronger conceptual framework for my research, and valuable connections with fellow young geomorphologists and senior researchers alike. I am very grateful to the IAG for supporting my participation in this unique training and scientific event.



Figure 1: Photos from the field during the Intensive field course in Sinaia and my poster presentation.