

ČAG '26 Pre-conference Workshop:

“Unveiling the Subsurface: Field geophysical methods as an effective tool for geomorphological research”

Head organiser and instructor: Dr. Petr Tábořík (IRSM CAS)

Course instructors and organising team: Dr. Jakub Stemberk, Mgr. Zbyněk Fojt, Jana Fučíková (IRSM CAS)

Workshop fee: 0,- (Accommodation is covered by the Conference organizers)

Annotation:

The workshop introduces field geophysical methods as a practical and effective support tool for geomorphological research. It is aimed primarily at MSc and PhD students, as well as early-career postdoctoral researchers, who are familiar with geomorphological concepts but have limited experience with geophysical approaches.

The workshop combines short field demonstrations of selected near-surface geophysical methods with live examples of basic data processing and interpretation, presented by colleagues with experience in field. Rather than providing hands-on training, the focus is on illustrating the potential of field-acquired geophysical data through case studies and real research applications.

The main goal is to demonstrate how field geophysics can help reveal subsurface structures and processes relevant to geomorphological studies and to inspire participants to consider these methods in their own research.

Note: Since most geophysical data processing software is licensed and cannot be freely distributed to workshop participants, the data processing will be performed on the organiser's institutional computer and projected on a screen. However, screenshots documenting the processing workflow will be provided to participants after the workshop via a shared link. Personal laptops are therefore not required for data processing.

Venue: penzion Kačeří, Lachov, Teplice nad Metují



Meals:

No meals are provided by the organizers. The venue has a fully equipped kitchen with stoves, sinks, fridges, cookware and tableware. Participants should bring their own food and drinks, and will also have opportunity to buy food in a supermarket on the way to and from the survey sites.

Preliminary Workshop Programme:

Sunday, 19 April 2026

after 16:00 Arrival of participants

Monday, 20 April 2026 – Geoelectrical Methods (ERT, EMI, GPR)

08:30 Breakfast
09:30 Transfer to the research site
10:00 Beginning of fieldwork (survey design and data acquisition)
15:00 – 16:00 Return from the field
18:00 Dinner
19:00 – 21:00 Data processing session

Tuesday, 21 April 2026 – Seismic Survey (SSR) and Gravity Survey (GS)

08:30 Breakfast
09:30 Transfer to the research site
10:00 Beginning of fieldwork (survey design and data acquisition)
15:00 – 16:00 Return from the field
18:00 Dinner
19:00 – 21:00 Data processing session

Wednesday, 22 April 2026 (half-day)

08:30 Breakfast
09:30 Data processing session
11:30 Transfer to the ČAG '26 Conference to Broumov