



STATE OF GEOMORPHOLOGICAL RESEARCH IN 2025



ČAG



INSTITUTE
OF GEOGRAPHY SLOVAK
ACADEMY OF SCIENCES

KATEDRA
FYZICKEJ GEOGRAFIE
A GEOINFORMATIKY

Pre-conference Workshop: Remote Sensing in Geosciences

The pre-conference workshop will focus on the application of remote sensing technology in geoscience research and the processing of various data sources, such as satellite images from Sentinel-1, Sentinel-2, LANDSAT, LiDAR point clouds, and drone images.

Workshop programme:

Tuesday, 8th April 2025

13:00 – 13:30 - Introduction and basic information

13:30 – 14:00 - Basic theory on the application of remote sensing data in geomorphology

14:00 – 15:30 - Downloading optical and radar satellite data from free and open-access sources

15:30 – 16:00 - Coffee break

16:00 – 17:00 - SNAP software and processing of satellite and radar data

17:00 – 18:00 - Processing and analyses of point cloud data generated from aerial LiDAR, drone LiDAR and SfM photogrammetry

Wednesday, 9th April 2025

08:00 – 09:30 - Classification of remote sensing data and different approaches (QGIS)

09:30 – 10:00 - Classification of remote sensing data and different approaches (Python)

10:00 – 10:30 - Coffee break

10:30 – 11:30 - Interpretation and process-based evaluation of remote sensing data with application in geomorphology

Venue:

The workshop is organized and led by researchers from the Institute of Geography, Slovak Academy of Science (Library of Institute of Geography, 3rd floor).

GOOGLE LINK: <https://maps.app.goo.gl/buixMiYw8nYwMSF56>



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The workshop is free of charge and is limited to university students, PhD students, and young researchers up to 35 years old (postdoc). Participants are required to bring their own laptop. The workshop is organized and led by researchers of the Institute of Geography, Slovak Academy of Sciences.