

Methods in fluvial geomorphology

2nd
Circular

Invite you to the

May 17–18, 2022 in Horní Bečva, Czechia



Dear students and early-career colleagues,

We would like to invite you to the 2nd ČAG-ASG Workshop focused on **field survey methods, data acquisition and processing in fluvial geomorphology**, which will be held before the ČAG-ASG conference State of Geomorphological Research in 2022.

The workshop will take place in the conference venue, Horní Bečva, Hotel Duo, **on May 17 – 18, 2022**.

Workshop will be organized and lead by researchers of the Department of Physical Geography and Geoecology, Faculty of Science, University of Ostrava and Institute of Geography, Slovak Academy of Sciences.

The general aim of the workshop is a **demonstration of modern methods and their application in fluvial-geomorphic research**. Modern research in fluvial geomorphology requires an integrated approach to answer the questions on river behaviour. The workshop will be focused on selected methods, commonly used by the organizers from the University of Ostrava and the Slovak Academy of Sciences during their research. The workshop is addressed to those **students and young researchers** who are dealing with river systems, hydrology or river restorations, but also to those, who want to broaden their skills and meet new colleagues.

Workshop program will be focused on:

- basic field survey of river flow and river channels (flow velocity and discharge measurements, sediment size parameters, cross-sectional geometry)
- methods of bedload transport modelling using different tools (BAGS software, Bedload Tool, web applications for bedload modelling, etc.)
- basics of optical granulometry and related software (Sedimetrics, BaseGrain, Pebblecounts)
- quantification of channel stability and relations between the hydraulic and sedimentological parameters
- assessment of maximum flood discharges from palaeostage indicators
- demonstration of PIT tag monitoring for the evaluation of sediment transport

Workshop website: prf.osu.eu/geomorphology/pre-conference-workshop

Contact email: geomorfologie@osu.cz

All who want to participate must confirm their interest by ticking the field „Pre-conference workshop“ in the conference registration form. The deadline is the same as for the conference: 20. 4. 2022.

The workshop is free of charge. The participants will however pay the accommodation and meals in Hotel Duo (same conditions as for the Conference – [see details here](#)). Participants will be accommodated in Retro rooms.

Minimum number of participants to open the workshop is **5**.

Participants are asked to bring their **own laptop**.

The workshop is primarily intended for students of master or postgraduate programme and early-career researchers (post-docs).

Preliminary program:

Tuesday May 17, 2022

12:00–13:00 arrival / accommodation of the participants
13:00–17:00 field survey and data acquisition on the Bečva River
17:00–19:00 data processing

Wednesday May 18, 2022

9:00–12:00 data processing and modelling, presentation of the results

Detailed programme and instructions will be provided in the workshop 3rd circular.