Department of Physical Geography and Geoecology,
Faculty of Science, University of Ostrava
Institute of Geography, Slovak Academy of Sciences
Czech Association of Geomorphologists *and*
Association of Slovak Geomorphologists

Invite you to the

2nd ČAG-ASG Workshop

Methods in fluvial geomorphology

April 27 – 28, 2020 in Horní Bečva (Czech Republic)

1st Circular

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 2020.

The workshop will take place in the conference venue, Horní Bečva (Hotel Duo) from **April 27 – 28, 2020**.

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. The general aim of the workshop is a demonstration of modern methods and its application in fluvial-geomorphic research.

The workshop will be focused namely 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);
- 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;

Sponsor:

Laboratory Dendrogeomorphology

Basic schedule of the workshop

Monday April 27, 2020
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

Tuesday April 28, 2020
9:00–12:00 data processing and modelling, presentation of the results

Further information

- The workshop is **free of charge**. The participants will however pay the accommodation and meals in Hotel Duo (same conditions as for the Conference);
- Minimum number of participants to open the workshop is 5;
- Detailed programme and instructions will be provided in the workshop 2nd circular;
- The workshop is primarily intended for students of master or postgraduate programme and early-career researchers (post-docs);

We would like to ask potential participants to express their preliminary interest by a non-committal e-mail as soon as possible (please quote "workshop" in the subject line of your email).

Contact e-mail: geomorfologie@osu.cz