State of
geomorphological research
in 2023

April 18-21 2023

Hotel Širák, Most

Conference programme

18 April – Tuesday

Afternoon — **Pre-conference workshop** on landslide monitoring – field work

19 April – Wednesday

Morning — **Pre-conference workshop** on landslide monitoring – data analysis

10:00-13:00 — **Registration**

13:00-14:30 — **Oral session – Geomorphology of mass movements**

Toločka, A., Kapustová, V – *Worldwide distribution of published deep-seated gravitational slope deformations cases*

Locce, M. – *Thermo-hydro-mechanical coupling in slope stability: advanced experiments and multiscale modelling*

Hartvich, F. et al. – *First results of the analysis of the collapse of a sandstone pillar "Michelin" in Teplické skály rock city*

Dužeková, R., Raška, P. – *Validating a statistical multivariate model for landslide susceptibility assessment in brown coal open-cast mines and its implications for recultivation planning*

14:30-14:45 — **Coffee break**

14:45-15:15 — **Official conference opening**

Best Thesis Contest Award ceremony

15:15 -16:45 — **Key note lecture**

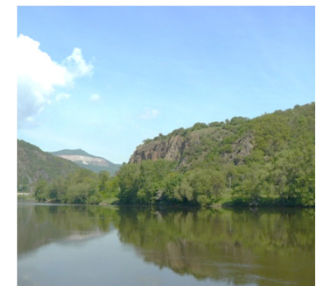Margold, M. – *Deglaciation of the last North American ice sheet complex*

17:30-19:00 — **Dinner**

19:00-20:30 — **ČAG Plennary Meeting**

ČAG

UNIVERZITA J. E. PURKYNĚ V ÚSTÍ NAD LABEM

USMH — INSTITUTE OF ROCK STRUCTURE AND MECHANICS *Academy of Sciences of the Czech Republic, v.v.i.*

VUHU MOST

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Conference programme

20 April – Thursday

8:30–10:00   **Oral session – Fluvial geomorphology and natural hazards**

Galia, T., Škarpich, V. – *Interplay among vegetation, large wood and channel morphodynamics in the preserved meandering reach of the Odra River, Czechia*

Faturová, D. et al. – *Study of contributing areas of the critical points in localities with the occurrence of flash floods*

Polášková, L. – *Dendrogeomorphic dating of gully erosion in northern Moravia and determination of its anthropogenic predispositions*

Tichavský, R. et al. – *Dendrogeomorphic surveys of natural hazards in the Peloponnese (Greece)*

10:00–10:15   **Coffee break**

10:15–12:00   **Oral session – Structural geomorphology and palaeogeomorphology**

Roštínský, P. Nováková, E. – *Regularly oriented complex linear landforms in central Europe: a detective story*

Migoń, P. et al. – *Constraining escarpment retreat in sandstone tablelands using cosmogenic surface-exposure dating (Stołowe Mts., SW Poland)*
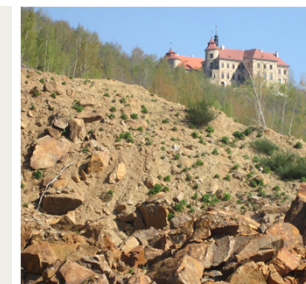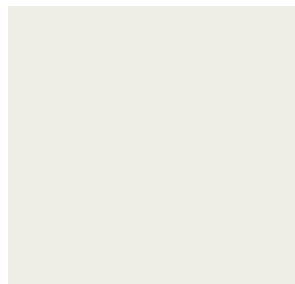
Novotný, J. – *The influence of lithology and tectonics on the formation of the river network, the Orava River, Slovakia case study*

Flašar, J., Štěpančíková, P. – *Can the moldavite-bearing deposits help for the reconstruction of the Plio-Pleistocene paleodrainage in Southern Bohemia?*
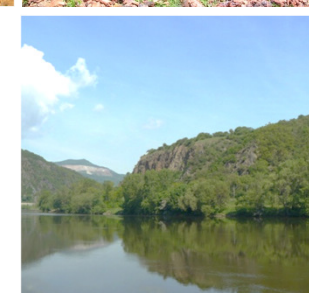
Steklá, T. – *Geomorphological evolution of the Labe and Jizera confluence area in the Quaternary*

12:00–13:30   **Lunch**

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20 April – Thursday

13:30–15:00   **Oral session – Geophysical applications in geomorphology**

Kašing, M. et al. – *Geophysical architecture of tectonized volcanic bodies near flysch thrust fronts (Outer Western Carpathians)*

Kasprzak, M. et al. – *Geophysical imaging of the Szczeliniec Wielki and Szczeliniec Mały mesas in the Stolowe Mountains (SW Poland)*

Tábořík, P. et al. – *Applied geophysical survey as a complementary tool for dendrogeomorphological research?*

Štěpančíková, P. et al. – *3D paleoseismic trenching combined with 3D geophysics can reveal complex fault structure: example of Mariánské Lázně fault (West Bohemia)*

15:00–15:15   **Coffee break**

15:15–16:30   **Oral session – Anthropogenic geomorphology, unique landforms**

Kubalíková, L. – *How to identify and evaluate threats to geomorphological heritage?*

Horáčková, Š. et al. – *Semi-automated identification of the Bronze Age burial mounds - hidden anthropogenic landforms in the agricultural landscape*

Kapustová, V., Bouda, T. – *One-year ground microexhalations temperature trends on landslides in Moravian-Silesian Beskid*
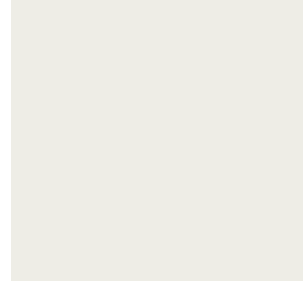
16:30–17:30   **Poster session – Fast-track presentations (1 minute for each poster)**

18:00   **Dinner – Social event** (organised by conference committee)

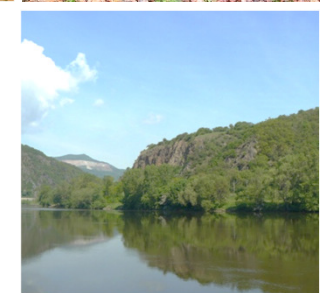**21 April – Friday**

8:30–12:00   **Excursion**

(expected duration until 12:00, depending on the traffic and weather conditions)