

# Michal Břežný

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## Education

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| <p><b>University of Ostrava, Faculty of Science</b>, Environmental Geography</p> <ul style="list-style-type: none"> <li>• Thesis: "Deep-seated landslides of the Silesian Unit of the Moravian-Silesian Beskydy Mts."</li> <li>• Supervisor: Prof. Tomáš Pánek</li> <li>• Focus: GIS analysis, geomorphometry, geophysical survey, statistics, cosmo-genic dating</li> </ul>     | <p>Ostrava, Czechia<br/>2014 – 2019</p> |
| <p><b>University of Ostrava, Faculty of Science</b>, Physical Geography and Geoecology</p> <ul style="list-style-type: none"> <li>• Thesis: "Large rock avalanches in the Malá and Velká Studená Valley (High Tatras)"</li> <li>• Supervisor: Prof. Tomáš Pánek</li> <li>• Focus: geomorphological mapping, structural measurements, kinematic analysis</li> </ul>               | <p>Ostrava, Czechia<br/>2012 – 2014</p> |
| <p><b>University of Ostrava, Faculty of Science</b>, Physical Geography and Geoecology</p> <ul style="list-style-type: none"> <li>• Thesis: "Geomorphological survey of crevice-type caves of the Kněhyně Ridge (Moravian-Silesian Beskydy)"</li> <li>• Supervisor: Prof. Tomáš Pánek</li> <li>• Focus: speleological survey, structural measurements, ERT geophysics</li> </ul> | <p>Ostrava, Czechia<br/>2009 – 2012</p> |

## Experience

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| <p><b>University of Ostrava — Department of Physical Geography and Geoecology</b>, Assistant Professor</p> <ul style="list-style-type: none"> <li>• Research and teaching in geomorphology</li> <li>• Landslides and large-scale landscape evolution</li> </ul> | <p>Ostrava, Czechia<br/>2020 – present</p> |
| <p><b>University of Ostrava — Department of Physical Geography and Geoecology</b>, Researcher</p>   | <p>Ostrava, Czechia<br/>2017 – 2019</p>    |

## Research Projects

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|--|--------------------|
| <p><b>The largest rock-mass spreading on Earth: why in arid Patagonia? (GAČR 23-07310S)</b></p> <p>Team member — PI Prof. Tomáš Pánek (Czech Science Foundation)</p> <ul style="list-style-type: none"> <li>• Fieldwork, numerical modelling, radar interferometry (InSAR), interpretation and IF publications</li> </ul>                | <p>2023 – 2025</p> |
| <p><b>Prevention of Geo-Threats to Azerbaijan's Energy Independence (NATO SPS G5907)</b></p> <p>Team member — PI Prof. Alessandro Tibaldi (NATO Science for Peace and Security)</p> <ul style="list-style-type: none"> <li>• Fieldwork, numerical modelling, radar interferometry (InSAR), interpretation and IF publications</li> </ul> | <p>2022 – 2025</p> |
| <p><b>Giant landslides in glacier forelands: the missing piece of the Patagonian Ice Sheet story (GAČR 19-16013S)</b></p> <p>Team member — PI Prof. Tomáš Pánek (Czech Science Foundation)</p> <ul style="list-style-type: none"> <li>• Fieldwork, modelling, interpretation and IF publications</li> </ul>                              | <p>2019 – 2022</p> |
| <p><b>Sackung in unglaciated mountains: deep-seated slope deformations in the Outer Western Carpathians (GAČR 17-17712S)</b></p> <p>Team member — PI Prof. Tomáš Pánek (Czech Science Foundation)</p>  | <p>2017 – 2019</p> |

- Inventory mapping, DMR4G/DMR5G analysis, fieldwork (mapping, structural measurements, sampling for dating, geophysics)

## Research Stays & Fieldwork

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### University of Milano-Bicocca, Italy

June 2022

Research stay with Prof. Federico Agliardi

### Antarctica — James Ross Island

2019

Member of the Czech scientific expedition (lead: Doc. Daniel Nývlt)

### Massey University, New Zealand

2018

Research stay with Dr. Sam T. McColl

### Summer School on Rockslides and Related Phenomena

2016

Tien Shan, Kyrgyzstan

### Polar Ecology Course

2013

Svalbard — University of South Bohemia

### Erasmus — Stockholm University, Sweden

2012

Department of Physical Geography and Quaternary Geology

## Professional Membership

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### Czech Association of Geomorphologists

- Chair (2025–present)
- Member (2016–2025)

## Skills

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### Geospatial

### Methods

### Fieldwork

## Languages

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### Czech

Native

### English

Professional working proficiency

## Interests

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### Research