

PARC PROGRAMME

THURSDAY 17 SEPTEMBER

09:00-10:00 REGISTRATION + COFFEE

- 10:00-10:15 Introduction
- 10:15-10:45 **Iwo Wieczorek** (keynote) *Glacial lakes could be a future of Arctic landscape*
- 10:45-11:00 **Anton Puhovkin** *UAV Multispectral Mapping of Vegetation on Nelson Island, Maritime Antarctica, to Support Active Layer Monitoring*
- 11:00-11:15 **Tereza Mosořiová** *Tectonostratigraphic evolution of Late Permian evaporites in the East Greenland–mid-Norway rift system*
- 11:15-11:30 **Matěj Roman** *Exploring the palaeoenvironments of the last glaciation cycle in the James Ross Archipelago through new glaciolacustrine outcrops and glacial erratics*
- 11:30-11:45 **Filip Hrbáček** *Global trends of active layer thickness in the 21st century*
- 11:45-12:00 **Jan Kavan** *Surge cycles and extreme meltwater events in Svalbard*

12:00-13:30 LUNCH

- 13:30-14:00 **Stanislava Králová** (keynote) *From Frozen Dirt to Fancy Molecules*
- 14:00-14:15 **Katarína Brugořová** *Conserved and divergent RiPP pathways in Antarctic active-layer *Streptomyces**
- 14:15-14:30 **Stanislav Jíra** *The secret life of limestone algae: Diversity, habitat shifts, and community assembly across an alpine elevational gradient*
- 14:30-14:45 **Alina Sadchenko** *Emerging Contaminants in Freshwater and Marine Systems of the Antarctic Peninsula: Preliminary Results of a Pilot Study*
- 14:45-15:00 **Jaroslav Semerád** *The Fate of Per- and Polyfluoroalkyl Substances in the Arctic Food Web: From Environmental Sources to Trophic Transfer*

15:00-15:30 COFFEE BREAK

- 15:30-15:45 **Divya Nautiyal** *Hoerbybreen forefield development after recent deglaciation*
- 15:45-16:00 **Simona Szymuszová** *Effects of cloud cover and cloud genera variability on hortwave solar radiation at J.G. Mendel station, northern Antarctic Peninsula*
- 16:00-16:15 **David Tichopád** *Long-term variability and trends in Antarctic total ozone column based on LOTUS regression*
- 16:15-16:30 **Martina Sobotková** *Freezing-Thawing Cycles of Saturated Sand Sample*
- 16:30-16:45 **Pavla Waldhauserová** *Monitoring and networking activities in high latitude dust in the Arctic region*
- 16:45-17:00 **Magdalena Studená** *Polar ecology course 2026*
- 17:00-17:15 **IPY team** *International Polar Year 2032 – Czech Contribution*

17:15-18:00 POSTER SESSION + COFFEE BREAK + DISCUSSIONS

18:30 ICEBREAKER

FRIDAY 18 SEPTEMBER

- 09:00-09:15 **Jana Voříšková** *Responses of Arctic soil microbial communities to a changing climate*
- 09:15-09:30 **Pablo Cannestraci** *Stochasticity dominates microbial community assembly in Deception Island, Antarctica*
- 09:30-09:45 **Jiří Bárta** *Microbial Life Across Arctic Landscapes: Carbon Stability, Nutrient Limitation and Succession*
- 09:45-10:00 **Muhammad Waqas** *Permafrost degradation and SOC vulnerability: interplay of microbes, hydrology, and soil structure*
- 10:00-10:15 **Jason Bosch** *Using SIP-metagenomics to characterise the microbial taxa responsible for transforming carbon compounds in Arctic soil*
- 10:15-10:30 **Jiří Sekerák** *Light intensity downregulates photosynthetic performance of Antarctic lichens from James Ross Island during their thalli desiccation*

10:30-11:00 COFFEE BREAK

- 11:00-11:15 **Tereza Novotná Jaroměřská** *Chasing elements: interdisciplinary approaches for supraglacial microinvertebrates and why we need crazy ideas in polar ecology*
- 11:15-11:30 **Linda Votrubová** *Change is the only constant: comparison of cryoconite communities across a dynamic Alpine glacier*
- 11:30-11:45 **Jiménez Santos Marco Antonio** *Small organisms, large ranges? Molecular diversity and biogeographic structure of bdelloid rotifers in cryoconite holes*
- 11:45-12:00 **Raquel Viso** *Strong spatial structuring of diatom communities across Antarctic cryoconite holes*
- 12:00-12:15 **Martin Lulák** *Coastal Evolution and Benthic Palaeoecology of Central Svalbard During the Early to Mid-Holocene*

12:15-13:30 LUNCH

- 13:30-14:00 IPA meeting
- 14:00-15:00 IPY-CZ meeting