

Monday 24th February 2025 at 2PM

Looking into the Hydrology and Carbon Cycling of Northern Peatlands via Geophysics



Faculty of Science
Charles University

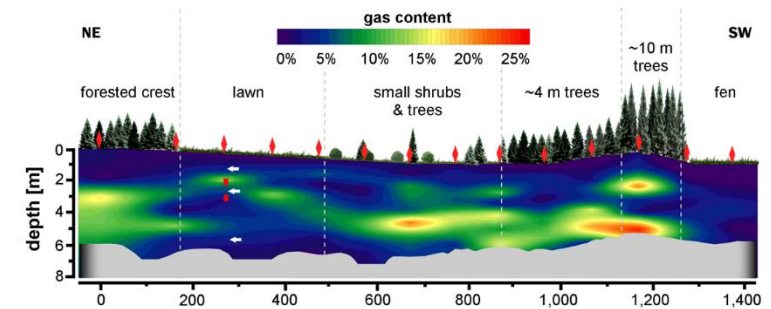
Looking into the Critical Zone to Understand Hydrology and Carbon Cycling of Northern Peatlands via Geophysical Methods

by
Dr. Lee Slater, Rutgers University Newark



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In this talk, I will offer a perspective on how the application of near surface geophysical techniques has led to fundamental improvements in understanding of Critical Zone structure and processes associated with boreal peatland (organic sediment) systems. I will highlight elements of our work that demonstrate how the subsurface mineral sediment architecture regulates the hydrology and carbon cycling in boreal peatland systems. I will demonstrate how geophysical techniques have been used to image and monitor free phase methane gas dynamics in peatlands.



Pool patterning in Caribou Bog, ME

Event Information:

- When: 24th February 2025 at 14:00 Central European Time (CEST)
- Where: online (Meet)
- Google Meet link: <https://meet.google.com/bpg-jzde-raj>

