

Peatland Science Symposium – PERG and Can-Peat
Symposium scientifique sur les tourbières – GRET et Can-Peat

Room/salle Le Cercle, Université Laval (4^e étage du pavillon Alphonse-Desjardins)
Wednesday, February 18, 2026 / Mercredi 18 février 2026

PRELIMINARY PROGRAM / PROGRAMME PRÉLIMINAIRE

* Indicates a student presentation (for the Student Award vote) / * Indique les présentations étudiantes (à considérer pour le vote des prix des étudiants)

Presenters, and titles or subjects	
08:30	Introduction by Line Rochefort & Maria Strack (10 min)
08:45	Invited Speaker: Nicole Balliston (Laurentian U.) - On shared ground: Co-created insights into peatland hydrology and carbon dynamics in Northern Ontario peatlands
09:15	Éléonor Bergeron-de Pani (U. Laval) - Understanding decomposition mechanism in peatlands: An overview
09:30	Lucas Voirin (U. Laval) - Fauna movements in pealand, Saturn project
09:45	James Seward (McGill U.) - Responses of vegetation and soil to NH ₄ ⁺ -N and NO ₃ ⁻ -N additions in an ombrotrophic bog, Southern Canada
10:00	Meredith Purcell (NunatuKavut Community Council) - Wetland Research to Advance Indigenous-led Conservation in NunatuKavut, Labrador
10:05	Coffee break and 1 st poster session (25 min.)
10:30	Katherine Bot (Queen's U.) - Tower results from South Julius
10:45	Gwendal Breton (U. Laval) - Twenty years of MLTT restoration across Canada: Influence of environmental thresholds on peatland vegetation trajectories (Moss Layer Transfer Technique)
11:00	Aamir S. Khan (U. Laval) - Rewetted fens
11:15	Mélissa Lauder (U. Laval) - Uprooting the unknown : dynamics of belowground biomass in restored peatlands of Eastern Canada
11:30	Laura Catalina Riaño Peña (U. Laval) - Where the water settles: Exploring the ecological drivers of plant communities in restored minerotrophic peatland pools
11:45	Daniel Campbell (Birchbark Environmental Research) - Wetland mitigation options for project developments in far Northern Ontario: An annotated bibliography)
12:00	Lunch (12:00 - 13:30)
13:30	Mélina Guêné-Nanchen (U. Laval) - When agriculture drains the peat: Physicochemical consequences in a Quebec peatland
13:45	Sandra Klemet-N'Guessan (U. Waterloo) - Data stewardship practices in peatland research: a comparative analysis of Can-Peat and CongoPeat
14:00	Katie Hettinga (U. Waterloo) - Machine learning models may favour seasonal signals over mechanistic drivers in peatland CO2 flux predictions
14:15	Savanna Cherry (U. Waterloo) - A Net Ecosystem Carbon Balance Approach to Carbon Flux Drivers in Alpine Peatlands
14:30	Zhiguang Chen (Carleton U.) - A CLASSIC-based century-scale assessment of high-latitude peatland change: Comparing carbon fluxes in Canada and across the Northern Hemisphere
14:45	Coffee break and 2 nd poster session (30 min.)
15:15	April Dalton (UQAM) - Mapping Canada's peatland stock
15:30	Melanie Bird (U. Waterloo) - Divergent outcomes, convergent carbon success? Comparing carbon dynamics across five ecohydrological assemblages in a 17-year-old restored peatland
15:45	Sanghyeon Song (McGill) - Machine learning framework for mapping anthropogenic disturbances in Canadian peatlands
16:00	Fiona Kurylowicz (U. Alberta) - Preliminary carbon budgets for a permafrost-bounded marsh and fen at the southern edge of the permafrost zone
16:15	Yi (Abby) Wang (U. Waterloo) - Adjacent forest harvesting impacts on peatland carbon exchange at a single-site level: A preliminary comparison of CaMP and CLASSIC Models
16:30	3 rd Poster Session & Happy Hour refreshments (16:30 to 17:30) Announcement of best student oral presentations (2) and best student poster (1)

Posters:

Christophe Dea (U. Laval) - Impacts of the acrotelm harvesting method on catotelm decomposition
Olivier Gingras (U. Laval) - Plant resistance and resilience following partial acrotelm harvesting in a peatland
Laurence Côté (U. Laval) - Alberta fens
Iris Duvivier (U. Laval) - Exploring alternatives to phosphate rock for germination of <i>Polytrichum strictum</i> spores
Akshara Withanage (U. Waterloo) - Greenhouse gas emissions from agricultural peatlands in Canada
Tasha-Leigh Gauthier (U. Waterloo) - <i>Sphagnum</i>
Noah Boss (U. Waterloo) - Greenhouse gas fluxes across restoration states at a fen in Southeastern Manitoba
Darby Hayward (Queen's U.) - Water and DOC from South Julius peatalnd (Manitoba)
Madison Jumeau (Queen's U.) - Microtopography recovery following restoration
Jean-Pierre Lebrun-Ramirez (Queen's U.) - Microtopography and GHG fluxes from St. Etienne (acrotelm harvesting method)
Meg Schmidt (U. Waterloo) - Building a carbon budget for temperate southern Ontario swamps
Emilie Hill (Queen's U.) - Ebullition
Rosie Howard (McGill U.) - CanFlux: Canada’s data space for ecosystem–climate interactions
Sandra Klemet-N’Guessan (U. Waterloo) - Je n'ai rien compris ! On the use of multiple languages in peatland research
Adriana Caswell (Carleton U.) - Mapping wetland soil organic carbon in Traditional Territory of the First Nation of Na-cho Nyäk Dun
Miranda Hunter (Waterloo U.) - Effect of wildfire on understory and tree methane emissions in Canadian Shield bogs and swamps
Maryam Bayatvarkeshi (Waterloo U.) - How do seismic line restoration techniques affect ground layer evapotranspiration in peatlands?
Nazia Tabassum (Waterloo U.) -
Eve Schroeder (Nipissing U.) - Ecohydrological evolution and mercury cycling at the Bois-des-Bel peatland 25 years post restoration
Rose Simard (U. Waterloo) - Peat physical and chemical properties in relation to vegetation type in restored fens

