

Restoration of gravelly and compacted mineral areas in peatlands (MSc)



Under the supervision of:

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Scholarships: CAD \$15,000/year

Where: Université de Moncton, Shippagan campus, New Brunswick,
or Université Laval, Québec, QC

Fieldwork: New Brunswick

Start: 2020, to discuss...

*Academic courses are taught in French

Project description

As unique natural ecosystems, peatlands are wetlands whose functioning can be impacted by various activities, including the extraction of peat for commercial purposes. In collaboration with the peat industry, research is being carried out for optimal rehabilitation of peatlands after peat extraction through ecological restoration. Paths forming mineral zones, often gravelly or stony, have been artificially created to allow access to peat harvesting areas. These non-peaty areas have suffered severe compaction due to the passage of agricultural vehicles and machinery and therefore deserve special attention. The restoration of these mineral areas, through decompaction and vegetation establishment, will represent a completely new approach to peatland management after peat harvesting activities have ceased. The student's master's project will aim to test this restoration method, by studying the impact of the decompaction rate on the success of the restoration; by characterizing the water exchanges between the mineral zone and the plants; and by studying the effect of the addition of organic matter on the success of the restoration.



Send your application, along with:

- 1) Motivation letter,
- 2) Resume,
- 3) Most recent transcript,
- 4) Contact information of 3 references.

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and to

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