Research & Innovation Week
THUNDER BAY
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Lakehead University

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Digging into Land Management in a Changing Climate

Dr. Amanda Diochon

Wednesday, February 28, 2024
11:30 am - 1:00 pm
Room UC1017

Our changing climate is creating challenges but also opportunities for food and fibre production systems. Soils are the foundation for these systems and provide numerous ecosystem services that contribute to our well-being and the well-being of our environment. Many of these services are linked to and controlled by soil organic matter stores, which holds the largest terrestrial pool of organic carbon on the Earth. How we manage that pool has significant implications for concentrations of greenhouse gases in the atmosphere but also how our ecosystems respond to stressors, like a changing climate. The critical role that soils play is often overlooked but has been a recent focus of the Canadian Government's Senate Committee on Agriculture and Forestry, who have an ongoing study on the state of soil health in Canada. Join me to explore my program's ongoing work to improve land management outcomes for organic carbon stores and soil health, with a focus on northern soils.

Biography

Dr. Amanda Diochon is an associate professor in the Department of Geology and SES Faculty-Based Research Chair in Biogeochemical Cycling of C in Northern Soils. Her research program focuses on the effects of disturbances on the cycling of soil organic matter in forested and agricultural systems, and the impact of these disturbances on soil health. Amanda is the past-president of the Canadian Society of Soil Science and co-chair of the Soil Education Committee of the CSSS. She was also an editor on Digging Into Canadian Soils, the first open source Canadian soil textbook.

For more information: https://www.lakeheadu.ca/ri

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