



Biography

Dr. Camille Ouellet Dallaire received her PhD in Geography from McGill University. Her pursuit of Geography developed critical and cross-scalar thinking that still supports her research today. While at McGill, she founded the Sustainability Research Symposium and studied global hydrology, ecosystem services and watershed management. Following her PhD, she worked as a policy analyst on the future of geoscience at the Geological Survey of Canada and as a senior impact assessment analyst for Natural Resources Canada. In these positions, her broad geoscience perspective advanced her research on the science-policy interface in the context of sustainability. Her research explores the cumulative and intersectional impacts of natural resource exploitation on ecosystem services, interdisciplinary research integration, and large-scale modelling and analyses in the context of sustainable watershed management.

Re-thinking spatial approaches to sustainability in socio-environmental river systems

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Abstract

A just and green transition away from carbon intensive economy will require large amount of critical earth mineral to support new technologies which are likely to be harvested in remote regions. Canadians, and people globally, rely heavily on rivers and watersheds from remote regions that span areas far away from urbanized landscapes. Without a clear spatial understanding of the riverscapes providing services to Canadians, sustainable management of these resources will be challenging, especially in the face of future, spatially uneven climate changes.

Rivers provide a range of services and benefits that need to be considered in the assessment of the interdisciplinary, and cumulative impacts of natural resources development on socioenvironmental system. Ecosystem services (ES) provide a pertinent approach to these considerations, as ES science provide tools and conceptual frameworks to investigate the provision of goods and services from nature to communities.

Understanding the gaps in ES provisioning in the context of cumulative impacts is crucial to support the sustainable development of natural resources in Canada and globally. This public lecture will provide insight on research advances in large-scale management of freshwater resources, including the integration of hydrological processes in modelling ecosystem services for sustainability, and the consideration of socio-economic and environmental dynamics through impact assessments in freshwater systems.

Date: Thursday, Nov.24, 2022

Time: 1:30-2:30pm

Location: 6210 ssc

Zoom Meeting ID: [975 2299 9964](https://www.zoom.us/j/97522999964)



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