

Glacier dynamics session (TER73) at ArcticNets Arctic Change Conference, Dec. 9-12

We invite you to submit an abstract to our session on glacier dynamics and changes (TER73) at ArcticNet's 5th International Arctic Change Conference (AC2024), taking place from December 9-12, 2024 in Ottawa, Canada. We welcome submissions on any aspect of glacier dynamics from all geographical locations. Further details are provided below, and you can submit your abstract by September 13, 2024 at: <https://event.fourwaves.com/ac2024/submission>

If you have any questions, please don't hesitate to reach out. We hope to see you in Ottawa!

Co-Chairs:

Brittany Main, University of Waterloo (brittany.main@uwaterloo.ca)

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Session TER73 - Arctic glacier dynamics and glacier changes:

Arctic glaciers are key contributors to global sea level rise, with an acceleration in their decline over the past two decades. However, there are still uncertainties concerning the internal and external factors which control glacier dynamics, such as surging and seasonal velocity variations, and in particular how these are changing in a warming climate. This limits our ability to assess future glacier contributions to sea level rise. Recent advances in remote sensing data availability and field methodologies have enabled greater understanding of ice dynamics, as well as for derivative processes such as iceberg production and glacier lake outburst floods. In this session we invite presentations on Arctic glacier dynamics and associated changes, including glacier surges, glacier-ocean interactions, iceberg behaviour, and glacial hazards, among others. We welcome a broad array of methodologically diverse approaches, including Indigenous knowledge, field observations, remote sensing, and modelling techniques.

ArcticNet AC2024: <https://event.fourwaves.com/ac2024/pages>

December 9-12, 2024

Ottawa, Canada