

Project Overview

Identifying key sustainability considerations for **Indigenous community-based weather monitoring** networks across northern and remote regions

Photo: Faith Rahman

Are you involved in a community-based weather monitoring program?
Do you install, operate, or maintain weather stations in the North?
If so, we want to learn from you!

About this Project

In Canada, weather services have been developed according to southern standards and priorities. As a result, northern regions are gravely underserved in terms of weather observations and infrastructure to inform forecasting services.

Indigenous communities across northern and remote regions have established their own community-based monitoring (CBM) programs to fill monitoring gaps and address travel safety concerns. These programs are leading innovations in blending Indigenous and western science to tailor weather, water, ice, and climate services to meet local needs.

Through five years of research and consultations across the Canadian North, critical needs have been identified for:

- more weather stations in areas of community importance;
- improved regional coordination; and,
- reliable funding to support CBM over the long term.

We want to learn from CBM network leads about what it takes to keep monitoring programs going. *What funding and supports do you need to sustain your program?*

Photo: Derek Mueller



What is Involved?

The goal of this project is to identify key sustainability considerations across a range of Indigenous-led CBM programs, considering: infrastructure, capacity, costs, data management, funding, information sharing, and challenges.

- 1 A survey** to document basic information about what is involved in running your weather stations.
- 2 A spreadsheet** will be provided after receiving your survey responses to request more details.
- 3 A follow-up interview** to be able to provide more context, and expand on survey responses.

See next page for time commitments and compensation.



Interested in sharing your experiences?

- **Time Commitments:**

- **Survey** - can be completed online at your convenience (30 - 60 minutes)
- **Spreadsheet** - variable time depending on how you have tracked your equipment, cost, and personnel details (several hours, perhaps over a few days)
- **Interview** - will take place online (e.g. over Zoom) or by phone, at your convenience (1 - 2 hours)

- **Compensation:**

- **Up to \$1,400 available to cover your time** (or that of your staff) in preparing for, and participating in, the survey, interview, and completing the spreadsheet.
- Track your hours and invoice McMaster University for payment.



Photos: Derek Mueller, Faith Rahman & Gita Ljubicic



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Photo: Timothy Browne



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