



Crown-Indigenous Relations
and Northern Affairs Canada

Relations Couronne-Autochtones
et Affaires du Nord Canada

Climate Change Monitoring and Adaptation: Funding Programs and Resources

Hudson Bay Summit
November 30th, 2022

Presented by Molly Morse, Climate Change and Clean
Energy Directorate, CIRNAC



Canada



Outline

- Indigenous Community-Based Climate Monitoring Program
- Climate Change Preparedness in the North Program
- First Nation Adapt Program
- Climate change tools and resources
- Other funding opportunities and resources
- Helpful tips
- For more information
- Annex: Project details



View of James Bay from Eastmain, Eeyou Istchee
Photo: Molly Morse





Indigenous Community-Based Climate Monitoring Program

Who we fund:

- First Nation, Inuit, and Métis communities and organizations across Canada

What we fund – projects that:

- Are community-driven and led
- Monitor climate and/or the environmental effects of climate change
- Build capacity and foster knowledge/culture transfer
- Use Indigenous Knowledge Systems and western science
- Address data gaps and inform climate change adaptation

How to apply:

- **First Nations:** currently not accepting applications, next intake process expected in Fall 2023 for projects starting in Spring 2024
- **Inuit:** open intake (no deadline to apply)



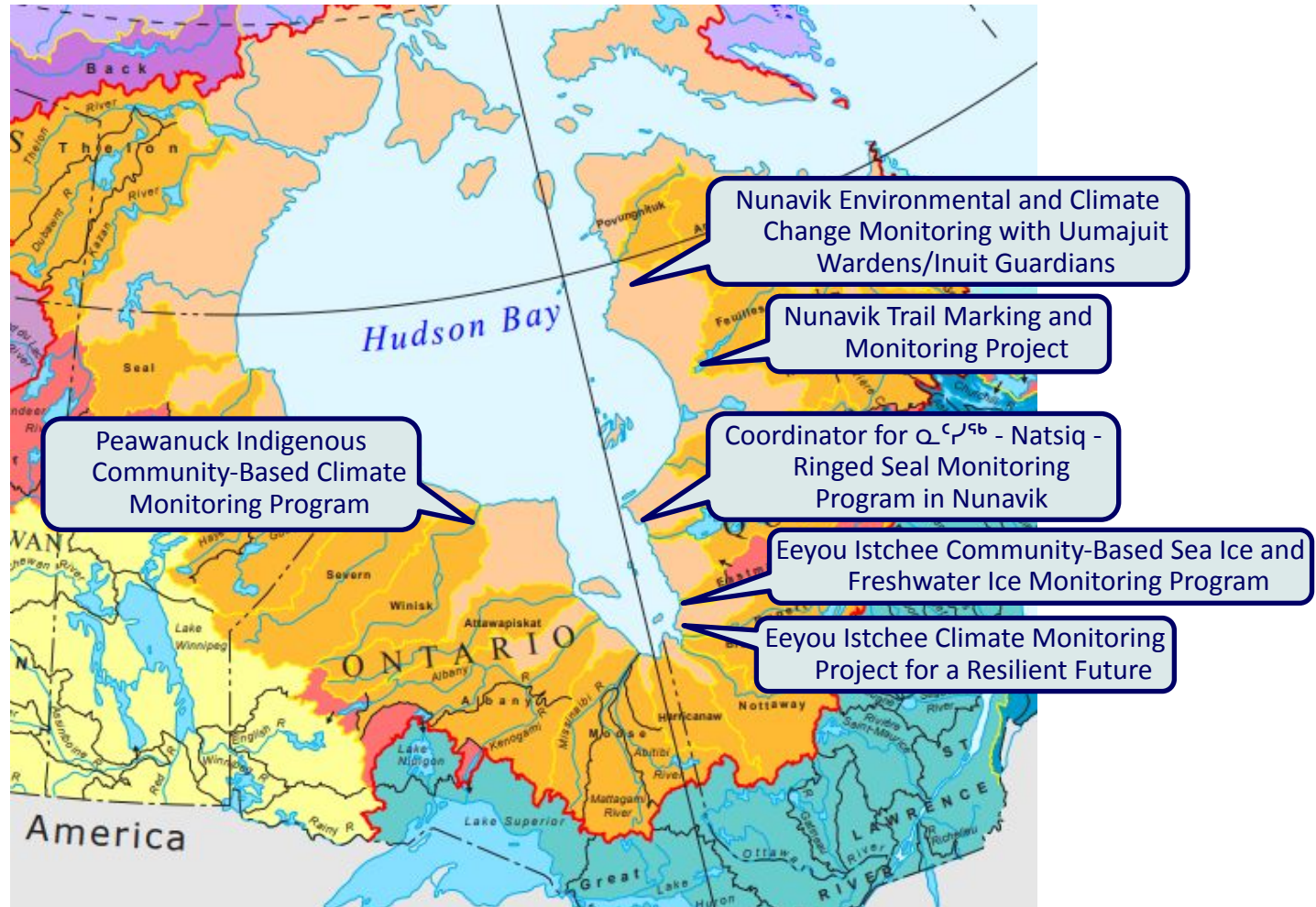
Program contact:

Molly Morse, Environmental
Policy Analyst





Indigenous Community-Based Climate Monitoring Program - Project Examples



Map of Hudson Bay Watershed

Source: www.atlas.gc.ca





Climate Change Preparedness in the North Program

Who we fund:

- Indigenous and northern communities, organizations, and governments in Yukon, Northwest Territories, Nunavut, Nunavik, Nunatsiavut, NunatuKavut and Eeyou Istchee
- Academic organizations such as universities and colleges
- Non-governmental organizations

What we fund – projects that:

- Increase Indigenous and northern communities' climate adaptability, resilience, capacity and growth
- Implement and develop adaptation measures

How to apply:

- Applicants can contact Community Liaisons or Program Officers directly to start a project proposal process. Applications are reviewed on an ongoing basis.



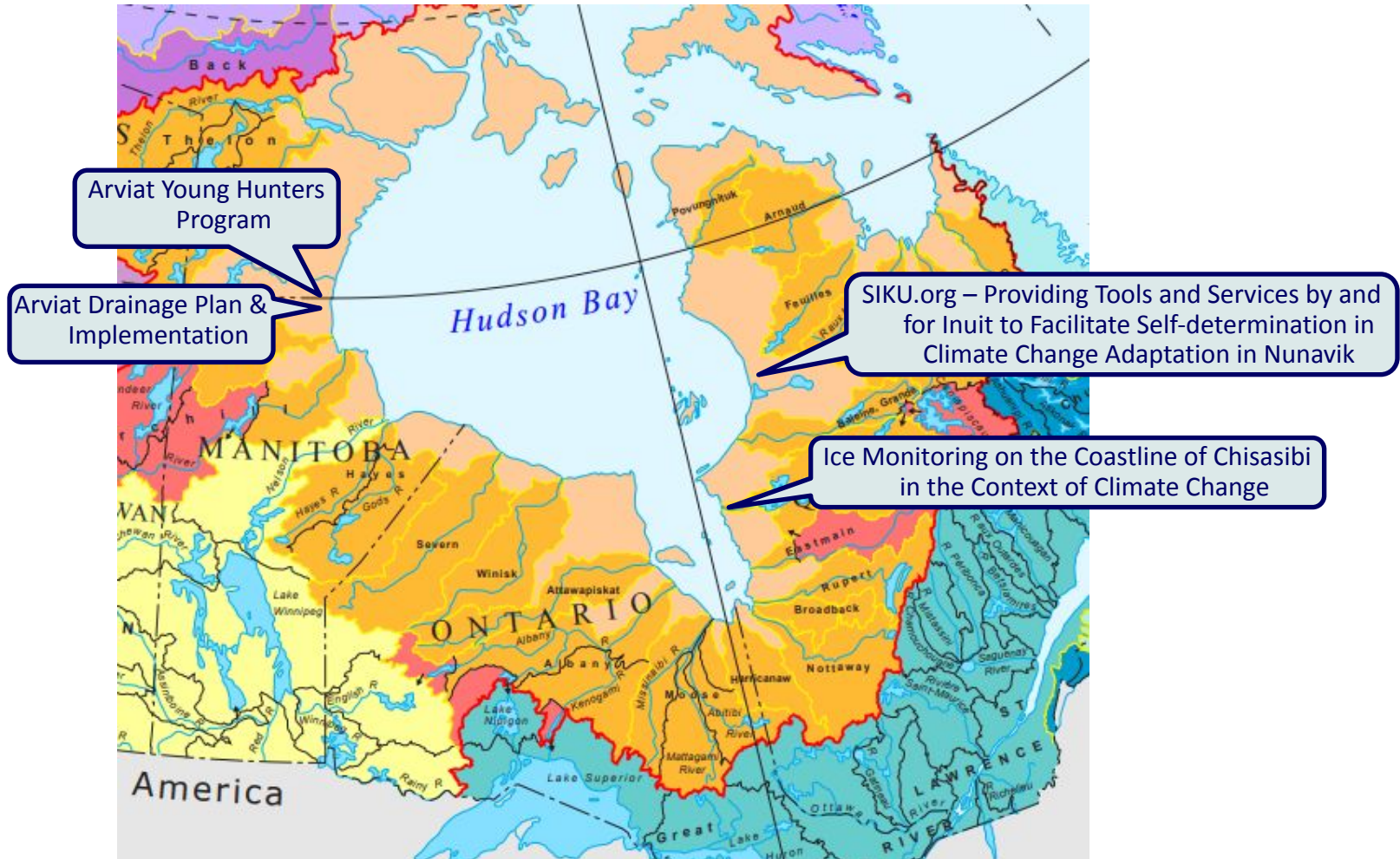
Program contact:

Nicolas Ouellette, Program Officer





Climate Change Preparedness in the North Program - Project Examples



Map of Hudson Bay Watershed

Source: www.atlas.gc.ca





First Nation Adapt Program

Who we fund:

- First Nation communities, Tribal Councils, Indigenous Organizations south of the 60th parallel.

What we fund:

- Community-driven projects that demonstrate a clear link between climate change impacts and adaptation and community infrastructure and disaster mitigation, including: risk assessments, adaptation planning, cost-benefit analysis of adaptation options.
- Priority areas include: inland flooding and shoreline erosion; flood mapping; wildfires; drought; sea level rise, coastal flooding and erosion.

How to apply:

- There is no deadline to apply. Applications will be reviewed on an ongoing basis until all available funding is allocated.
- New project descriptions can be submitted at any time at aadnc.adaptation.aandc@canada.ca



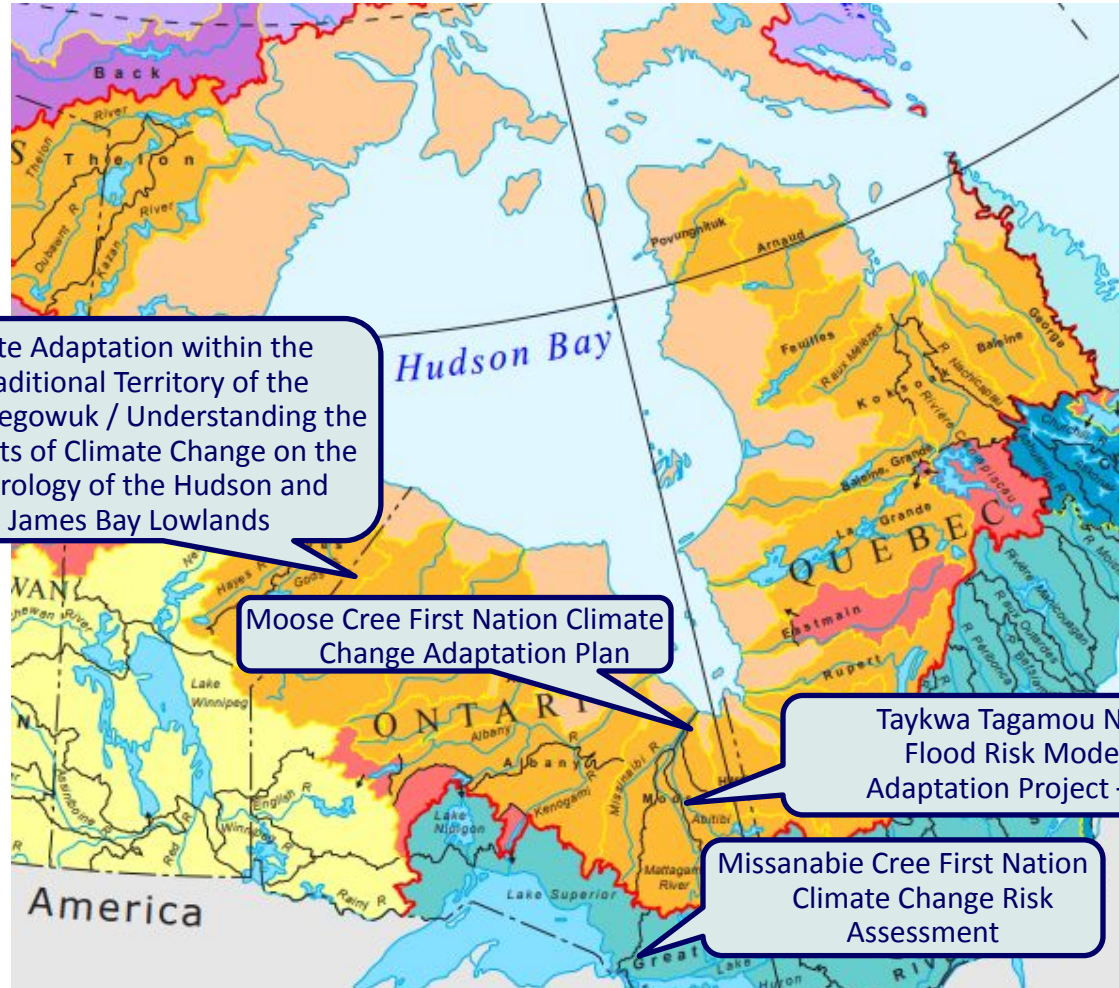
Program contact:

Robina Scrivener, Environmental
Policy Analyst





First Nation Adapt Program - Project Examples



Map of Hudson Bay Watershed

Source: www.atlas.gc.ca





Climate Change Tools and Resources



**INDIGENOUS
CLIMATE HUB**

www.indigenousclimatehub.ca



Indigenous Climate Monitoring

TOOLKIT www.indigenousclimatemonitoring.ca

**INDIGENOUS CLIMATE CHANGE
ADAPTATION PLANNING TOOLKIT**

<https://yourcier.org/iccap-toolkit/>

**CANADIAN CENTRE FOR
CLIMATE SERVICES**

<https://www.canada.ca/en/environment-climate-change/services/climate-change/canadian-centre-climate-services.html>





Other Funding Opportunities and Resources

- **CIRNAC and Indigenous Services Canada (ISC) Programs:** [Climate Change in Indigenous and Northern Communities](#) and [Northern Contaminants Program](#)
- **Federal climate change programs:** [Indigenous Climate Funding](#)
- **Federal environmental programs:** [Environment and Climate Change Canada funding programs.](#)
- **Infrastructure Canada:** [Disaster Mitigation and Adaptation Fund](#)
- **Indigenous Climate Hub:** [Funding](#)
- **Indigenous Climate Monitoring Toolkit:** [Sustainability and Funding](#)





Helpful Tips

| How to Secure Funding | Key to Successful Projects |
|--|--|
| <ul style="list-style-type: none">• Take a grant writing course• Apply early, apply often• Apply for multiple funding sources• Reach out to funding program staff with any questions or draft proposals• Get to know the funding program staff and keep in touch• Follow all application instructions and submit before the deadline (if applicable)• Be responsive to communication from funding programs | <ul style="list-style-type: none">• Find community champion(s)• Engage the community including youth and Elders• Build capacity through partnerships• Offer training and other professional development opportunities to your staff• Design your project with sustainability in mind (keep it lean)• Start looking for new or additional funding BEFORE your funding runs out• Celebrate your successes and learn from your mistakes |





For more information

| Program Webpage | Program E-mail |
|--|---|
| <u>Indigenous Community-Based Climate Monitoring Program</u> | <u>surveillanceclimat-climatemonitoring@rcaanc-cirnac.gc.ca</u> |
| <u>Climate Change Preparedness in the North Program</u> | <u>yves.theriault@rcaanc-cirnac.gc.ca</u> |
| <u>First Nation Adapt Program</u> | <u>aadnc.adaptation.aandc@canada.ca</u> |





Annex: Details on Projects Funded by CIRNAC





Projects funded by: Indigenous Community-Based Climate Monitoring Program

| Funding recipient | Project Title and Description |
|------------------------|---|
| Cree Nation Government | Eeyou Istchee Community-Based Sea Ice and Freshwater Ice Monitoring Program: Funding to develop a long-term community-based monitoring network for sea ice and freshwater ice to enhance community adaptive capacity in maintaining safe travel to conduct traditional activities such as hunting, trapping, fishing, and gathering. |
| Cree Nation Government | Eeyou Istchee Climate Monitoring Project for a Resilient Future: Funding to hire a regional climate change coordinator, document and support climate change-related initiatives, and develop and implement a weather station pilot project. |
| Weenusk First Nation | Peawanuck Indigenous Community-Based Climate Monitoring Program: Funding to support the development of a climate monitoring initiative with a focus on capacity building, community engagement, and knowledge transfer. |





Projects funded by: Indigenous Community-Based Climate Monitoring Program (continued)

| Funding recipient | Project Title and Description |
|---|---|
| Nunavik Marine Region Wildlife Board | Coordinator for ᐃᑦᑦᑦᑦ - Natsiq - Ringed Seal Monitoring Program in Nunavik: Funding to create a part-time position for a youth to be a coordinator for the Nunavik ringed seal monitoring program. |
| Makivik Corporation | Nunavik Environmental and Climate Change Monitoring with Uumajuit Wardens/Inuit Guardians: Funding to enable the Uumajuit Wardens to monitor climate change across Nunavik, with a special focus on water quality and ice thickness, by providing for the acquisition of scientific equipment and specialized training. |
| Makivik Corporation in partnership with Kativik Regional Government | Nunavik Trail Marking and Monitoring Project: Funding to support on-the-land safety measures for hunters and land-users including operation and maintenance of a network of real-time monitoring cameras, some complemented by mini weather stations and emergency buttons, which provides data about seasonal ice, snow, vegetation, and weather cycles in strategic locations across the region. |





Projects funded by: Climate Change Preparedness in the North Program

| Funding recipient | Project Title and Description |
|--|--|
| Regional Nunavimmi Umajulivijiit Katujaqatigininga (RNUK) / Arctic Eider Society | SIKU.org – Providing Tools and Services by and for Inuit to Facilitate Self-determination in Climate Change Adaptation in Nunavik: Funding to improve safety during land use activities and to better document and mobilize Inuit knowledge and observations of environmental changes and hazards in Nunavik. |
| Aqqiumavvik Society | Arviat Young Hunters Program: Funding to train youth and develop their skills and expertise in building strong evidence around climate indicators and engaging the community in making meaning around the indicators and data collected by youth. |
| Cree Nation of Chisasibi | Ice Monitoring on the Coastline of Chisasibi in the Context of Climate Change: Funding to expand ice monitoring efforts along the coastline of Chisasibi to ensure the safe travels of land users on James Bay and to gather ice monitoring data to measure the effects of global climate change on the ice cover and break-up times. |





Projects funded by: Climate Change Preparedness in the North Program (continued)

| Funding recipient | Project Title and Description |
|-------------------|--|
| Hamlet of Arviat | Community Drainage Plan: Funding to complete a Drainage Plan for the Hamlet of Arviat, which includes the following elements: watershed mapping, recommendations for ditching/culvert placement to control waterflow in and around the community, ditching & culvert maintenance and thawing techniques, snow management removal, gravel road building and crowning techniques, inspection checklist, training and equipment. |
| Hamlet of Arviat | Arviat Drainage Plan – Implementation: funding to support the first three years of work prioritized in the Arviat Drainage Plan. The goal of the plan is to improve drainage and meltwater management in the community, which is worsening with climate change. |





Projects funded by: First Nation Adapt Program

| Funding recipient | Project Title and Description |
|-------------------------|---|
| Moose Cree First Nation | Climate Change Adaptation Plan: Assess community vulnerability to climate change and develop an Adaptation Plan with actions focused on community vulnerabilities and impacts to community infrastructure. |
| Mushkegowuk Council | Climate Adaptation within the Traditional Territory of the Mushkegowuk / Understanding the Impacts of Climate Change on the Hydrology of the Hudson and James Bay Lowlands: Increase knowledge and understanding of the current and future potential impacts of climate change on the hydrology of the wetlands and the subsequent impacts on the Omushkego People, wildlife and economic activity so as to enable the Mushkegowuk Council and Mushkegowuk communities to make informed decisions about land use within their traditional territory and to participate in decisions made outside of the Mushkegowuk territory that will impact on the resilience of the territory. |





Projects funded by: First Nation Adapt Program (continued)

| Funding recipient | Project Title and Description |
|------------------------------|---|
| Missanabie Cree First Nation | Climate Change Risk Assessment: Missanabie Cree First Nation (MCFN) will conduct a climate change risk assessment (Phase 1) to determine the environmental and cultural impacts of past and future flooding and forecast how climate change is likely to affect MCFN's traditional territory. An adaptation strategy (Phase 2) will evaluate the impacts of flooding and climate change on the community and establish actions that can be taken to protect the MCFN's natural environment, assets and infrastructure that may be at risk. |
| Taykwa Tagamou Nation | Flood Risk Modelling & Adaptation Project – Phase 1: Taykwa Tagamou Nation (TTN) is completing a community project to conduct a flood risk modelling and adaptation project, with the goal of better understanding the risks that flooding, drought and erosion pose to existing infrastructure, as well as future community growth along the Abitibi River. |

