PEOPLE OF THE BAYS
A Global Arctic Leadership Initiative

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PEOPLE OF THE BAYS
A Global Arctic Leadership Initiative

CONCEPT

- Establish a GIS-HUB platform in each participating high school (where there is IT support) and supported by an NGO or Higher Education Institute

- Platform linked to SIKU.ORG

PREMISE

- Each community represents both a unique lens on the bays and a unique set of cultural perspectives

- Together the bays-wide communities share the biodiversity and climate of the largest inland seas in the world

PARTNERS

Global Affairs Canada, U. of Montreal Faculty of Law, Saskatchewan Polytechnic, Daluhay, Memorial University, U. Arctic, United Nations Decade of Ocean Science for Sustainable Development, University College of the North, Nansen Environmental and Remote Sensing Centre

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Building NGO and HEI linkages

- **University College of the North** (UCN) has indicated interest in collaboration and support through their Natural Resource Management Technology program to complement their GIS offerings through the Churchill Hudson Bay Interpretive Centre, in the planning with the Duke of Marlborough School

- This is a prototype Higher Education Institute (HEI) support role for the proposed GIS-HUB network.

- Along SW Hudson-James Bay the **Mushkegowuk Council** is exploring the possibility of a nom-government organization (NGO) parallel role based upon community service provision

PROTOTYPE HUDSON-JAMES BAYS INTERPRETIVE CENTRE (CHURCHILL)
COMMUNITY OWNERSHIP APPROACH

- Students living on the Hudson James Bays shores have a local insight that is based upon day-to-day living, something that can not be duplicated by visitors or seasonal workers

- They also have a unique age-related perspective and investment in the future. This Inland Sea includes iconic species attracting the interest of travellers from around the world, yet few opportunities for local students to develop interpretive skills

- The proposed pilot Hudson-James Bay Interpretive Centre (HJBIC) could provide student employment and skills for the tourism industry

The GIS-HUB network could support communities to form a network for planning, monitoring, research, restoration and food security

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Networking on food security

- Currently this project is looking for participation in the development oof a common GIS-HUB information pool

- A common GIS information pool would facilitate collaborative monitoring, planning, best practice transfer applied education

- Online and in-person cross-visits could support best practice transfer on the conservation and restoration of Indigenous food systems as well as the optimization of community energy usage to support food security through energy recovery

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Participation opportunities

We are looking for:

1. Interest in participating in an online data development workshop led by Saskatchewan Polytechnic GIS innovation lab
2. Co-sponsoring of HUB development
   - (5KCA/HUB for hardware); interested schools/NGOs etc
   - Support for project to be put on the 2025 Agenda for the Meeting of Canada's Environmental Ministers
3. Participation of HBC in a bay-wide Indigenous Food System Restoration Conference in Indigenous Month of June 2026 in Churchill – also opening the Churchill Hudson Bay Interpretive Center and the the Hudson Bay Network.

Community-Driven Geospatial Monitoring for Hudson Bay Food Security

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The use of map stories

- Map stories can form the core of the interpretive approach

- Owned the students, the school and the communities.

- Editorial board could include students, staff, residents and various levels of academe.

- A map story is under development for the GIS-HUB and Interpretive Centre in Churchill

- The project is seeking interest in collaborative research to develop the data-platform for the HUBS

- The Churchill map story has been drafted as an example

PEOPLE OF THE BAYS
The use of map stories

- Through the community ownership approach, the map story becomes the property of the community, thus providing a unique, scientifically supported knowledge resource of schools and communities

- https://storymaps.arcgis.com/stories/bae2cabd7a304 39c95d1c4f33d8c9be8