



WORKSHOP SUMMARY

Co-Developing a Strategy for Indigenous Community Water Research

Awi-Paskwaw Room

Wanuskewin Heritage Park, Penner Rd, Saskatoon, SK S7K 3J7

April 17-18, 2018

Summary: Over the last year, the Global Water Futures (GWF) program has reached out to numerous researchers, Indigenous community partners and other partners for advice on what water research GWF and Indigenous communities can conduct together to help address the water issues experienced by Indigenous communities. Consequently, a workshop (see Appendix A for the Workshop Agenda) was organized to promote further discussion and action on these research ideas through development of Indigenous community – university partnership projects and support these projects with up to \$2 million of operating funds and provision of our core data from climate and water models, remote sensing and surface observations. This workshop provided an opportunity for Indigenous community members and GWF academic researchers to co-develop a strategy for Indigenous community water research (see Appendix B for list of Attendees).

The workshop was held over one and one-half days in Saskatoon on April 17-18, 2018 and included interested Indigenous community partners and selected university researchers who have previously worked with Indigenous communities. The goal of the workshop was to provide a supporting framework to co-develop existing and developing Indigenous community – university partnerships, through working sessions aimed at building successful, high-quality research project proposals that both meet Indigenous community needs and are in alignment with the GWF vision/mission.

The workshop included introductory presentations and working sessions aimed at identifying the funding opportunity from GWF, building a full understanding of the application process, and co-designing Expressions of Interest (EOI) and the proposal evaluation criteria. The workshop was highly interactive with the discussions and working sessions focused on building relationships, reaching consensus on viable topics, co-designing proposal elements, and identifying leveraging opportunities with funding partners.

As part of the workshop, the attendees participated in facilitated discussions to co-develop outlines for Expressions of Interest, proposal development process and timelines, and proposal evaluation criteria. The following points were kept in consideration while developing the Request for Proposals for the EOI (Appendix C):

- **Discussion on Funding:** It was expressed by the attendees that the \$2 million allocated for this stream is not sufficient to address Indigenous Communities water issues and there



is a need to further enhance this pot. In response, it was indicated that the current call could ideally support research extensions and knowledge mobilization opportunities for indigenous communities within existing Pillars 1-2-3 projects and request for modest funds. However, this does not preclude academic and indigenous community leaders to submit funding requests for new projects. In addition, it was recommended that additional leveraging opportunities (see Appendix D for list of leveraging opportunities) should be pursued to further enhance the existing pot and the GWF Secretariat could help the applicants in this process. Also, John Pomeroy informed that there will be another round of calls for the Pillars 1-2-3 project proposals and the attendees of this workshop will be welcome to pursue this call allowing them to get access to additional funding.

- **Project Leadership:** The attendees were informed of the fact that the GWF funding can only be given to academic principal investigator (PI), while the subsequent disbursement of funds will be up to the PI. However, it was agreed that where appropriate co-leadership from academic and indigenous community partners should be encouraged.
- **Community Engagement:** It was also expressed that the current funding process privileges the academic community and does not encourage appropriate community engagement. It is critical to realize that a significant amount of time and effort has to be invested by the community leadership in formalizing a project concept and proposal. Therefore, appropriate compensation model should be considered by the PIs for valuing the time and energy of the community leaders. In addition, where appropriate, the projects should hire students from communities, and consider honorariums for community participants via development of sub-contracts with the community.
- **Geographic Preference:** Ideally, the projects could be regional projects involving multiple academic institutions and community partners that could request relatively higher amount of funding (up to \$400,000). However, projects at watershed-level and at treaty-level (e.g. involving one community partner) are also welcome, however the request will likely have to be at a lower level (up to \$200,000).
- **Proposal Development Timeline:** A comment was made by Dawn Martin-Hill that it took her almost 8 months to develop a Pillar 3 proposal as she had to seek formal approvals from community leadership. Therefore, the community approval process has to be an integral part of the proposal development process and allow sufficient time for this part (see Appendix D for Request for Proposals for the Expressions of Interest).
- **Proposal Evaluation Criteria:** A proposal evaluation criteria was co-developed in consultation with the attendees while keeping the indigenous knowledge and science, and community needs in consideration.
- **Research Themes:** During the workshop, the following themes were identified by the indigenous community partners:
 - Citizen science (capacity building; monitoring; data acquisition)
 - Decision support and visualization (web of knowledge; data sharing; computer apps)

- Impacts of floods, droughts, climate change, forestry and water management on water flow
- Environmental flows (quantity; quality; habitat; sediment)
- Western and traditional science (overlap; differences; standing)
- Cultural strengthening as an outcome of research
- Water and health (linking environmental and human health and livelihoods)
- GIS and remote sensing tools (permafrost mapping; drones; autonomous sensors)
- Governance and policy (legislation; knowledge)

The above themes are not exhaustive and are examples of some of the existing concerns raised by the indigenous community representatives during the workshop.

Conclusion: The workshop started and concluded on a very positive note with a promise to co-develop and evolve Strategy for Indigenous Community Water Research. It was hoped that this was a beginning of a new way of engagement between academic and indigenous partners that could be sustained over years to come. The primary outcome of the workshop was development of the Request for Proposal for the Expressions of Interest, which was issued on April 23, 2018 (see Appendix D).

APPENDIX A

AGENDA

| Time | Activity |
|-----------------------------|---|
| Tuesday, April 17, 2018 | |
| 8:30 – 9:00 am | Breakfast |
| 9:00 – 9:30 am | Opening Ceremony & Introductions |
| 9:30 – 9:50 am | Greetings and Welcome, <ul style="list-style-type: none"> • John Pomeroy, Host, GWF Director, University of Saskatchewan (12 min) • Robert Baker, Vice President Research, McMaster University (8 min) |
| 9:50 – 10:00 am | Review Structure of the meeting and Agenda (Merrell-Ann Phare) |
| 10:00 – 10:20 am | Global Water Futures Program introduction and introduction of Indigenous Funding Stream (John Pomeroy, GWF Director) |
| 10:20 – 10:30 am | Overview of the proposed LOI structure (John Pomeroy, GWF Director) <ul style="list-style-type: none"> • Research elements to co-develop: <ul style="list-style-type: none"> ○ Research scope (main idea) ○ Research process (how it is conducted) ○ Research outcomes (goals sought) ○ Knowledge mobilization (how research is extended to community and others) ○ Handling of Indigenous data and information (guidelines) • Evaluation criteria and review procedures to co-develop: <ul style="list-style-type: none"> ○ Overview proposed evaluation criteria and review process |
| 10:30 – 10:45 am | Refreshment Break |
| 10:45 – 11:05 am | Part 1 A: Regional group work on developing research ideas (Merrell-Ann Phare/ Stephanie Merrill) <ul style="list-style-type: none"> • Review the Indigenous Funding Stream scope and then craft ideas of proposed project, focus on the big picture idea only at this stage |
| 11:05 – 12:15 am | Part 1 B: Group sharing of research ideas (Merrell-Ann Phare/ Stephanie Merrill) <ul style="list-style-type: none"> • Share 5 minute pitches prepared by Indigenous community – research partners based on identified community water issues, research needs, existing or new collaborations |
| 12:15 noon – 1:00 pm | Lunch Break |
| 1:00 – 2:00 pm | Part 1 C: Finding Synergies and other Partners (Merrell-Ann Phare/ Stephanie Merrill) <ul style="list-style-type: none"> • Group discussion on synthesis of pitches everyone heard, summary of research ideas and group identification of synergies, potential partnerships and group collaborations where possible |
| 2:00pm -3:20pm | Part 1 D: Refining Your Idea (Merrell-Ann Phare/ Stephanie Merrill) <ul style="list-style-type: none"> • Breakout session by working group based on potential proposal collaborations. Partnerships or small collaborative groups can begin to merge ideas, build on pitches, and refine proposal ideas. • Resource guests will circulate, assisting groups to navigate proposal elements, especially those that might be unique for Indigenous-community-led projects. |
| 3:20 – 3:35 pm | Refreshment Break |

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|-----------------------------|---|
| 3:35 – 4:30 pm | Part 1 D: Refining Your Idea (breakout session cont'd) (Merrell-Ann Phare/ Stephanie Merrill) |
| 5:00 – 7:00 pm | Dinner |
| Wednesday, April 18, 2018 | |
| 8:30 – 9:00 am | Breakfast |
| 9:00 – 10:00 | Part 2: Co-development of the research evaluation criteria and process <ul style="list-style-type: none"> • Needs for proposal evaluation criteria and process (John Pomeroy) • Group discussion, decisions on evaluation criteria and timeline |
| 10:00 – 10:30 | Part 1 E: Define key statements within your Letter of Intent (Merrell-Ann Phare/ Stephanie Merrill) |
| 10:30 – 10:45 am | Refreshment Break |
| 10:45 am – 11:45 | Group discussion: (Merrell-Ann Phare/ Stephanie Merrill) <ul style="list-style-type: none"> • Teams present their early proposal vision and key elements of their draft Letter of Intent • Questions / discussion on moving forward with full LOI development, submission |
| 11:50 am – 12:00 | GWF next steps: timing, resources available (Phani Adapa, Director of Operations) |
| Adjournment | Closing Ceremony |
| 12:00 noon – 1:00 pm | Lunch |

APPENDIX B

List of Attendees

| Name | Organization |
|------------------------------|---------------------------------------|
| Alfred Gamble | Muskeg Lake Cree Nation |
| Roy Petit | Beardy's and Okemasis First Nation |
| Katherine Finn | North Saskatchewan River Basin |
| Kelvin McKay | Cumberland House Cree Nation |
| Gary Carrier | Cumberland House Cree Nation |
| Julius Crane | Cumberland House Cree Nation |
| Sarah Schmid | Prince Albert Model Forest |
| Anthony Johnston | Mistiwasia First Nation |
| Michelle Watson | Mistiwasia First Nation |
| Peter McArthur | The Pheasant Rump Nakoda First Nation |
| Nadine Joe | Nicola Watershed Governance Project |
| Earl Evans | Northwest Territory Métis Nation |
| Henry McKay | Deninu Kue First Nation |
| Vern Cheechoo | Mushkegowuk Tribal Council |
| Katharine Ballegooyen | Kluane First Nation |
| Francois Paulette | Dene Nation |
| Diane Giroux | Dene Nation |
| Cochise Paulette | Smith's Landing First Nation |
| Becky Kostka | Smith's Landing First Nation |
| Leon Andrew | Tulít'a Dene Band, Sahtu Region |
| Kirsten Jensen | Sahtu Renewable Resources Board |
| Razvan Mihai Birlea | Tlicho Government |
| Terrell Jarrett Knapton-Pain | Tlicho Government |
| Dieter Cazon | Dehcho First Nations |
| William Lines | Yellowknives Dene First Nation |
| Sarah Cockerton | Matawa First Nations |
| Mary Sandy | Six Nations |
| James Knibb-Lamouche | Lubicon Cree & Saddle Lake Treaty 8 |
| Bernard Ominiyak | Lubicon Cree & Saddle Lake Treaty 8 |
| Billy Laboucan | Lubicon Cree & Saddle Lake Treaty 8 |
| Bill Snow | Stoney Nakoda FN in Morley, AB |
| John Pomeroy | Global Water Futures Secretariat |
| Lawrence Martz | Global Water Futures Secretariat |
| Sean Carey | Global Water Futures Secretariat |
| Merrell-Ann Phare | Global Water Futures Secretariat |
| Stephanie Merrell | Global Water Futures Secretariat |
| Stacey Dumanski | Global Water Futures Secretariat |
| Chris DeBeer | Global Water Futures Secretariat |
| Michelle Martel-Andre | Global Water Futures Secretariat |
| Phani Adapa | Global Water Futures Secretariat |
| Candace Wasacase-Laffert | University of Saskatchewan |
| Doug Clark | University of Saskatchewan |

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|---------------------------|----------------------------|
| Maureen Reed | University of Saskatchewan |
| Lalita Bharadwaj | University of Saskatchewan |
| Graham Strickert | University of Saskatchewan |
| Corrine Schuster-Wallace | University of Saskatchewan |
| Tim Jardine | University of Saskatchewan |
| Robert Patrick | University of Saskatchewan |
| Paul Jones | University of Saskatchewan |
| Karl-Erich Lindenschmidt | University of Saskatchewan |
| Michelle Johnson-Jennings | University of Saskatchewan |
| Diogo Costa | University of Saskatchewan |
| Rebecca Zagozewski | University of Saskatchewan |
| Heidi Swanson | University of Waterloo |
| Brian Laird | University of Waterloo |
| Colin McCarter | University of Waterloo |
| Alex Latta | Wilfrid Laurier University |
| Jean Becker | Wilfrid Laurier University |
| Terry Mitchell | Wilfrid Laurier University |
| William Quinton | Wilfrid Laurier University |
| Kelly Munkittrick | Wilfrid Laurier University |
| Colin Robertson | Wilfrid Laurier University |
| Andrew Spring | Wilfrid Laurier University |
| Ryan Connon | Wilfrid Laurier University |
| Robert Baker | McMaster University |
| Dawn Martin-Hill | McMaster University |
| Stephanie Morningstar | McMaster University |

APPENDIX C

EXPRESSIONS OF INTEREST

Request for Proposals – *Indigenous Community Water Research Funding* Global Water Futures: Solutions to Water Threats in an Era of Global Change

April 23, 2018

Summary

The Strategic Management Committee (SMC) for the Global Water Futures (GWF) program, funded by the Canada First Research Excellence Fund (CFREF), invites Expressions of Interest (EOI) to develop research projects under the **Indigenous Community Water Research Funding** stream. Over the last year, the GWF program has reached out to numerous researchers and Indigenous community partners for advice on what water research GWF and Indigenous communities can conduct together to help address the water issues experienced by Indigenous communities in Canada. We wish to promote further discussion and action on these research ideas through development of Indigenous community – university researcher partnership projects and will support these projects with operating funds and provision of our core data from climate and water models, remote sensing and surface observations. The SMC has committed up to \$2 million to provide operating support for these projects. Eligible GWF university investigators who participated in the GWF workshop on **Co-Developing a Strategy for Indigenous Community Water Research** can submit an EOI. The research team in these projects is encouraged to include Co-Principal Investigators from both university and Indigenous communities. University investigators must be full-time faculty members of one of the 4 GWF partner universities or faculty members who were personally invited to be a participant in the GWF proposal.

Both fledgling and established Indigenous Community – university partnerships are encouraged to co-design research proposals with the Indigenous Communities involved. GWF is seeking proposals that are in alignment with the GWF vision, and are of high quality. The GWF vision includes:

- Providing Canada with the information and tools needed to prepare for and manage water futures in the face of unprecedented environmental and societal change ensuring health and wellbeing
- Providing world-leading water science for Cold Regions and to be a global partner of choice for developing user-focussed solutions to water security

It is expected that the EOIs will address the critical local and regional water and climate research needs identified by their participating Indigenous community. During the GWF workshop on **Co-developing a Strategy for Indigenous Community Water Research**, the following themes were identified by the indigenous community partners:

- Citizen science (capacity building; monitoring; data acquisition)
- Decision support and visualization (web of knowledge; data sharing; computer apps)

- Impacts of floods, droughts, climate change, forestry and water management on water flow
- Environmental flows (quantity; quality; habitat; sediment)
- Western and traditional science (overlap; differences; standing)
- Cultural strengthening as an outcome of research
- Water and health (linking environmental and human health and livelihoods)
- GIS and remote sensing tools (permafrost mapping; drones; autonomous sensors)
- Governance and policy (legislation; knowledge)

The above themes are not exhaustive and are examples of some of the existing concerns raised by the indigenous community representatives during the workshop.

Background

At least half the world's population is dependent upon water from 'cold regions' where snow, ice and frozen soils drive water availability and quality. Cold regions are severely affected by climate change and human activity, resulting in dramatic rates of warming, changing water availability and unsustainable water use. Canada and much of the world are ill prepared for this unprecedented shift, which has already resulted in intensified floods and droughts, reduced water availability and degraded water quality, costing billions in economic loss and impacting the health of populations. Addressing how to protect communities against these extreme water threats and consequent health risks in the face of climate uncertainty and human-induced global changes is one of the world's grand challenges.

Our response, through GWF, will transform the way communities, government, and industry prepare for and manage water-related risks in an era of unprecedented change.

GWF's overarching goal is to deliver risk management solutions—informed by leading-edge water science and supported by innovative decision-making tools—to manage water futures in Canada and other cold regions where global warming is changing landscapes, ecosystems, and the water environment.

Budget

A budget of up to \$2 million over 3 years is available for this call. Depending on the size of the team and project scope: smaller projects (e.g. including only one community partner) are expected to request less than \$200,000 and larger projects (regional consortia with multiple community partners) can request less than \$400,000. The available funding is mostly for hiring highly qualified personnel, supporting Indigenous community involvement and operating expenses with the expectation that major equipment purchases will be met from elsewhere.

Please note that no overhead (indirect cost of research; e.g. salaries of administrative/support staff; cost of facilities and utilities) funding is allowed in the budget allocation.

Proposal Process

The following process will be followed by GWF to evaluate and approve project applications (**dates determined by consensus at the Workshop**):

- Step 1: Release a request for proposal (RFP) document (**23 April, 2018**)
- Step 2: Receive university-Indigenous community co-developed EOIs including any request for community funding to develop a full proposal (**23 May, 2018**)
- Step 3: SMC and three academic Indigenous advisors to review EOIs and budget (**15 June, 2018**)
- Step 4: Inform successful EOIs, provide feedback including budget limits, and invite full proposals (**22 June, 2018**)
- Step 5: Full proposals due (**21 Sept., 2018**)
- Step 6: Full proposals with evidence of community support will be discussed and reviewed by the joint SMC and Indigenous Advisory Panel (up to 7 members of Indigenous Communities including Elders/Chiefs) (**15 Oct., 2018**)
- Step 7: SMC to make final decisions (**16 Oct., 2018**)
- Step 8: Funded projects will be informed shortly after the final decision. Funding will start when all approvals are in place.

Project Management

Each successful project must provide yearly progress report. Project progress against proposed deliverables will be reviewed by the SMC. Projects should also report annually to their Indigenous community.

GWF Core Support

GWF will be providing core support teams for the projects as follows (please refer to additional attached files):

- Computer Science Team – Human Computer Interface and Re-engineering Codes
- Observatories and Data Management Team
- Modelling Core Team
- Knowledge Mobilisation Team

If support is needed from the core teams then this should be indicated in the EOI. The full strategy documents for these teams is on the GWF website and should be consulted.

Expressions of Interest Outline

The EOI should not exceed 2 pages (excluding, Co-PI, Co-I and Indigenous Community Partners contact information and CVs)

- Project Title
- Name of Academic Co-Principal Investigator and contact information
- Name of Indigenous community Co-Principal Investigator and contact information.
- Names of Co-Investigators (university and Indigenous community) and their affiliations
- Names of Indigenous Community collaborators or other Partners and their affiliations
- Rationale for the Project (0.25 page)
- Outcomes, Legacies (including data) and Timelines (0.5 page)
- Objectives and Methodology (0.25 page)
- Knowledge Mobilization, Community Engagement and Capacity Building (0.5 page)
- Budget (no justification required; include any leveraging opportunity and need for core support) (0.25 page)
- HQP and Indigenous Community Training (0.25 pages)
- 2-Page CVs of each of the academic investigators.
- Request from the Indigenous community Co-PI for any funding to engage the community to develop a full proposal

Evaluation Criteria

The evaluation criteria were determined by discussion at the GWF workshop on Co-developing a Strategy for Indigenous Community Water Research on April 17-18, 2018 at Wanuskewin, Saskatchewan.

Rationale - Alignment of the project rationale to Indigenous community needs and GWF vision. Does the proposed project result in advancement in achieving the goals of UNDRIP, UNSDG, IUCN, TRC, GEWEX, Future Earth or UNESCO? 25%

Project outcomes and legacies – How project delivers water science and knowledge co-creation, builds on Indigenous and western sciences, develops new or deepens existing relationships, and provides potential for a transformative advance in understanding or developing community capacity. This includes a data management plan for traditional knowledge showing how traditional knowledge will be identified, collected, and handled to respect cultural practices and sensitivities of use/sharing. 20%

Objectives and Methodology - Clear goals, objectives and methodologies (or clear pathways to co-creating new methodologies that reflect western and Indigenous sciences, support Indigenous community needs, capacity building, knowledge dissemination and GWF objectives, and are achievable with the timelines and budget requested. 15%

Knowledge mobilization, community engagement and community capacity building. Is this a new or existing relationship? – if existing how does the relationship work; if new, is there an invitation from the community (or some other clear indication of community support/relationship)? Provide evidence of continuing engagement, reciprocal benefit, sharing information, using appropriate languages, partnerships with other groups, linking and connecting regional communities. Explain the potential for community capacity building and education development potential, how the community was involved in the design and how local knowledge holders were engaged. 20%

Budget Justification and timeline. A justification and annual outline of the budget (including HQP training and Indigenous community engagement) and any external support (cash and/or in-kind): 10%

Team capacity and potential. The capacity of the team to effectively conduct co-created research together, as evidenced by research, leadership, policy impact, community engagement, and other knowledge mobilisation success (for individuals or as a team). This may include knowledge of community way of life and/or ceremony, non-traditional research outputs, ongoing productive relationships and activities between researchers and communities, recent key publications, awards, tri-council research funding success and outreach activity. 10%

Submission Process

Please email your application package as one pdf file to Phani Adapa, Director of Operations, Global Water Futures at phani.adapa@usask.ca

Contact

Phani Adapa, PhD, PEng
Director of Operations
Global Water Futures Programme
National Hydrology Research Centre
11 Innovation Blvd, Saskatoon, SK S7N 3H5
Phone: 306-966-2271
Email: phani.adapa@usask.ca
Web: <http://gwf.usask.ca>; www.globalwaterfutures.ca

APPENDIX D

Federal Government Granting Programs – Indigenous Services Canada

<https://www.canada.ca/en/indigenous-services-canada.html>

First Nation Adapt Program

- Mandate: supports community projects that develop and build the capacity of First Nations on reserve to address climate change impacts on their communities. Focus on inland flooding, forest fires, sea level rise and coastal flooding, and winter roads
- Principal Investigator: Indigenous Organizations
- Funding available: \$80,000-\$160,000/yr (total \$3 million available)
- Deadline: proposals accepted until funding allocated; no deadline
- More information <https://www.aadnc-aandc.gc.ca/eng/1488827717559/1488827830169>

Climate Change Preparedness in the North Program

- Mandate: supports northern communities and organizations identify priorities for climate change adaptation and implement climate change impacts adaptation strategies
- Principal Investigator: Indigenous Organizations and/or University Researchers
- Funding available: no deadline (total \$5 million available)
- More information: <http://www.aadnc-aandc.gc.ca/eng/1481305554936/1481305574833>

Northern Contaminants Program

- Mandate: Working to reduce and, wherever possible, eliminate contaminants in traditionally harvested foods, while providing information that assists informed decision making by individuals and communities in their food use.
- Deadline: Anticipated January 10, 2019
- Website: http://www.science.gc.ca/eic/site/063.nsf/eng/h_7A463DBA.html

Indigenous Community-Based Climate Monitoring Program

- Mandate: supports Indigenous communities in the development and implementation of community-based climate monitoring projects which will provide the data required to inform community adaptation action, address climate data gaps, and improve climate models and weather predictions.
- Funding available: approximately \$150,000/yr
- Deadline: Anticipated February 16, 2019
- More information <https://www.aadnc-aandc.gc.ca/eng/1509728370447/1509728402247>

Northern Responsible Energy Approach for Community Heat and Electricity (REACHE) program

- Mandate: funds renewable energy and energy efficiency projects, and related capacity building in northern communities → including Hydropower
- Geographic Eligibility: Yukon, NWT, Nunavut, Nunavik, Nunatsiavut
- Funding available: \$53 million for 10 years starting 2018-19
- Deadline: proposals accepted until funding allocated; No Deadline
- More information: <https://www.aadnc-aandc.gc.ca/eng/1481305379258/1481305405115>

Lake Winnipeg Basin Program

- Mandate: Support for projects aimed at reducing nutrients, enhancing collaboration and supporting enhanced engagement of Indigenous peoples on freshwater issues in Ontario, Manitoba, Saskatchewan and Alberta portions of the Lake Winnipeg Basin
- Funding available: Up to \$600,000
- Deadline: February 2019
- More information: <https://www.canada.ca/en/environment-climate-change/services/environmental-funding/programs.html#toc6>

Aboriginal Fund for Species at Risk

- Mandate: Supports projects that protect habitat and contribute to the recovery of species at risk, as well as to projects that prevent other species from becoming a conservation concern.
- Funding available: \$10,000 to \$50,00/yr
- Deadline: March 2019
- More information: <https://www.canada.ca/en/environment-climate-change/services/environmental-funding/programs/aboriginal-fund-species-risk/call.html>

The Great Lakes Protection Initiative

- Mandate: Supports actions to address the most significant environmental challenges affecting Great Lakes water quality and ecosystem health different funding streams focusing on preventing toxic and nuisance algae; reducing releases of harmful chemicals; engaging Indigenous Peoples in addressing Great Lakes issues; increasing public engagement through citizen science; and restoring Great Lakes areas of concern
- Funding available: \$100,000- \$ 1,800,000
- Deadline: Anticipated March 30, 2019
- More information: <https://www.canada.ca/en/environment-climate-change/services/great-lakes-protection/funding.html>

EcoAction Community Funding Program

- Mandate: supports projects that encourage Canadians to take action to address clean water and climate change, and to build the capacity of communities to sustain these activities into the future.
- Funding available: \$100,000
- Deadline: Anticipated March 2019
- More information: <https://www.canada.ca/en/environment-climate-change/services/environmental-funding/programs.html#toc2>

ECCC Environmental Damages Fund

- Mandate: supports the restoration of natural resources and environment, and wildlife conservation projects, research and development on environmental damage assessment and restoration, and education on pollution prevention and the restoration of natural resources. Geographic locations are specified each year
- Funding available: Depends on province each year (2018: \$40,000 – \$200,000)
- Deadline: Depends on province (Feb-April 2019)
- More information: <https://www.canada.ca/en/environment-climate-change/services/environmental-funding/damages-fund/available-funds.html>

Network Environments for Indigenous Health Research, Canadian Institutes of Health Research

- *CIHR Theme - Health and Wellness for Aboriginal Peoples*
- Mandate: Supports Development Grants to bring together Indigenous Peoples/Communities/Organizations and other members of the research team, including researchers, knowledge-users and/or partners, to undertake initial planning and proposal development in preparation of an anticipated future CIHR full NEIHR Network grant FO. Indigenous Elders and Knowledge Holders are encouraged to play a lead role on the research team (e.g., Nominated Principal Knowledge User, co-investigator, etc.).
- Looking ahead, the expected next step will be the launch of full NEIHR Network grants, which, at a minimum, will support one grant in each of the following regions: British Columbia, Alberta Saskatchewan, Manitoba, Ontario, Quebec, Atlantic, and the North (represented by the three territories).
- Funding available: up to \$75,000 for proposal development
- Deadline: LOI April 26, 2018; launch of NEIHR Network grant Winter 2018
- More information: <https://www.researchnet-recherchenet.ca/rnr16/vwOpprtntyDtIs.do?prog=2837&view=currentOpps&org=CIHR&type=EXACT&resultCount=25&sort=program&next=1&all=1&masterList=true>

SSHRC Partnership Engage Grants

- Mandate: Short-term and timely support for partnered research activities that will inform decision-making at a single partner organization from the public, private or not-for-profit sector. The small-scale, stakeholder-driven partnerships supported through the Partnership

Engage Grants are meant to respond to immediate needs and time constraints facing organizations in non-academic sectors

- Funding available: \$7,000 to \$25,000 over one year.
- Deadline: September 15, December 15, March 15 and June 15
- Special note: Consider addressing one or more of strategic areas in their research proposal: *How are the experiences and aspirations of Aboriginal Peoples in Canada essential to building a successful shared future?*
- More information: http://www.sshrc-crsh.gc.ca/funding-financement/programmes-programmes/partnership_engage_grants-subventions_d_engagement_partenarial-eng.aspx

Philanthropic foundations with specific mandates to support Indigenous beneficiaries and environmental causes*

- [The J.W. McConnell Family Foundation](#)
- [The Calgary Foundation](#)
- [Hamilton Community Foundation](#)
- [Ivey Foundation](#)
- [Jackman Foundation](#)

*applicants usually have to be a registered Canadian charitable organization

Others

Royal Bank of Canada, Environmental Donation Funds: support for projects that align with the Sustainable Development Goals 6 related to Clean Water and 13 related to Climate Action. Applications accepted between until September 1, 2018. <http://www.rbc.com/community-sustainability/apply-for-funding/guidelines-and-eligibility/environmental-donations.html>

Lake Winnipeg Foundation: supports projects working to improve water quality in Lake Winnipeg and its watershed. <https://www.lakewinnipegfoundation.org/grants-program>

United Church of Canada, Healing Fund: <http://www.united-church.ca/community-faith/being-community/healing-fund>

WWF-Canada, Loblaw Water Fund: supports projects working on the ground to address the major threats to the health of our water wealth. http://www.wwf.ca/conservation/freshwater/loblaw_water_fund/