



CLIMATE CHANGE ADAPTATION PLANNING TOOLKIT

FOR INDIGENOUS COMMUNITIES

INTRODUCTION

Check out our CIER Ecovercity course for an overview
of how to implement the ICCAP guidebooks.

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CIER, the Centre for Indigenous Environmental Resources, is a national First Nation directed environmental non-profit organization. We offer research, advisory, and education and training services to Indigenous communities, governments and private companies through our two program areas: Building Sustainable Communities and Protecting Lands and Waters.

The Indigenous Climate Change Adaptation Planning Toolkit was created with financial support from Crown-Indigenous Relations and Northern Affairs Canada's (CIRNAC) First Nations Adapt Program.

This document has been designed for double-sided printing and was originally printed on 100% post-consumer content process chlorine free (PCF) paper.

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ACKNOWLEDGEMENTS

The authors wish to thank all those who contributed to the development of the Indigenous Climate Change Adaptation Planning Toolkit. We would like to thank our Steering Committee and the First Nations Adapt team who provided ongoing guidance and feedback throughout the development of the toolkit. We would also like to extend a special thank you to all of the individuals, organizations, and communities who participated in, and contributed to the development of, different components of the Toolkit.



Crown-Indigenous Relations
and Northern Affairs Canada

Relations Couronne-Autochtones
et Affaires du Nord Canada



INTRODUCTION

What is the Indigenous Climate Change Adaptation Toolkit?

The objective of the Indigenous Climate Change Adaptation Planning (ICCAP) Toolkit is to provide a suite of user-friendly tools, resources, and key considerations to support Indigenous individuals and communities interested in undertaking climate change adaptation planning. The intent is for the toolkit to be used by communities at all different stages of the adaptation planning process, including communities with little or no prior experience.

While the majority of the resources included in the ICCAP Toolkit are focused on communities located south of the 60th parallel, it is the intention that aspects of the Toolkit will also be useful for communities located in northern regions as well.

How was the ICCAP Toolkit Developed?

The ICCAP Toolkit was created by the Centre for Indigenous Environmental Resources (CIER) in partnership with Crown-Indigenous Relations and Northern Affairs Canada's (CIRNAC) First Nations Adapt program. The Toolkit was developed under the guidance of a Steering Committee comprised of six climate-change, Indigenous knowledge, and community planning experts.

In order to compile the content for the ICCAP Toolkit, CIER conducted research on a variety of climate change adaptation topics, undertook an extensive literature review, organized outreach activities (e.g. survey, phone calls, meetings), and worked closely alongside a multitude of communities, with the goal of better understanding both climate-related impacts and the information needs/priorities of Indigenous communities. Existing tools and approaches for assessing infrastructure and climate-related impacts were also identified.

The Steering Committee and First Nations Adapt program provided input and feedback during the development of different components of the Toolkit to ensure its accuracy and relevance.

Please contact earth@yourcier.org for any questions or comments regarding the ICCAP Toolkit.

Centre for Indigenous Environmental Resources

Established in 1994, the Centre for Indigenous Environmental Resources is Canada's first and only Indigenous-directed environmental non-profit, charitable organization. CIER's mission is to assist Indigenous Nations with building capacity to address the environmental issues they face. CIER's mandate is to work with Indigenous Nations across Canada to educate, conduct research, and build skills to help them take action to solve the environmental problems that affect their lands and waters. CIER uses an integrated approach that combines multiple perspectives and fosters collaborative relationships.

To learn more, visit CIER's website:
yourcier.org

The First Nations Adapt Program

The First Nations Adapt Program is a Federal funding program under Crown-Indigenous Relations and Northern Affairs Canada. First Nations Adapt provides funding to First Nation communities located below the 60th parallel to assess and respond to climate change impacts on community infrastructure and emergency management. The program prioritizes First Nation communities most impacted by climate change related to sea-level rise, flooding, forest fires, drought, fisheries and winter road failures.

To learn more, visit the First Nations Adapt Program:
<https://www.aadnc-aandc.gc.ca/eng/1481305681144/1481305709311>

To learn more, visit the Indigenous Climate Hub:
indigenousclimatehub.ca


OVERVIEW OF THE ICCAP TOOLKIT


The ICCAP Toolkit consists of the following 4 key components:


1. **Indigenous Climate Change Adaptation Guidance document** – focuses on infrastructure and climate change adaptation planning related to winter roads, forest fires, inland flooding, and sea-level rise and/or coastal erosion.
2. **Two Indigenous Language Glossaries:**
 - a. **Anishinaabemowin Climate Change Glossary** – the Anishinaabemowin Climate Change Glossary is intended to support Anishinaabe communities with climate change adaptation planning, and to provide a resource that can support language revitalization efforts related to climate change adaptation (e.g. conversations with Elders about changing landscapes and climate).
 - b. **Ininimowin Climate Change Glossary** – The Ininimowin Climate Change Glossary has the same intention as the Anishinaabemowin Climate Change Glossary, however it is intended for Cree communities.
3. **Indigenous Languages Glossary Workbook** – The Indigenous Languages Glossary Workbook accompanies the Glossaries. It will guide communities through the process of developing a language glossary of their own (in their own language), with a focus on climate change and the environment.
4. **Climate Change Adaptation Planning Guidebooks for Indigenous Communities** - the objectives of the Climate Change Adaptation Planning Guidebooks are to provide user-friendly and culturally guidebooks to help Indigenous communities through planning to avoid, minimize, or adapt to impacts caused by climate change. The Guidebooks outline a planning process and framework for decision-making that allows wide application, local adaptation, and ongoing modifications. The six guidebooks include the following topics:



The following table is designed to assist you in identifying your climate adaptation needs and direct you to the appropriate ICCAP Toolkit resource.

Toolkit Component	Description	What would you like to achieve?
Indigenous Climate Change Adaptation Guidance Document	<p>The Indigenous Climate Change Adaptation Guidance document supports Indigenous communities in identifying tools and resources that can be used for infrastructure and climate adaptation planning related to each of the following impact areas:</p> <ul style="list-style-type: none">• Winter roads• Forest fires• Inland flooding; and• Sea-level rise/coastal erosion <p>The document includes best practices and key considerations for each impact area.</p>	<ul style="list-style-type: none">• Would you like to learn more about climate adaptation and infrastructure planning?• Would you like to learn about key considerations for selecting an appropriate planning tool/resource?• Would you like to learn more about best practices related to each of the impact areas (winter roads, forest fires, inland flooding, sea-level rise and coastal erosion)?• Do you need help identifying tools and/or resources that can be used to plan for winter roads?• Do you need help identifying tools and/or resources that can be used to plan for forest fires?• Do you need help identifying tools and/or resources that can be used to plan for inland flooding?• Do you need help identifying tools and/or resources that can be used to plan for sea-level rise and/or coastal erosion? <p>Refer to:</p> <div></div>

Toolkit Component	Description	What would you like to achieve?
Anishinaabemowin and Ininiimowin Climate Change Glossaries & Indigenous Languages Glossary Workbook	<p>The Anishinaabemowin and Ininiimowin Climate Change Glossary supports Anishinaabe and Cree communities with climate change adaptation planning, serves as a resource to support language revitalization efforts related to climate change adaptation.</p> <p>Indigenous Languages Glossary Workbook guides communities through the process of developing a language glossary.</p> <p>The Climate Change Glossaries and Indigenous Languages Glossary Workbook aim to:</p> <ul style="list-style-type: none"> • Increases cultural relevance and community ownership over the ICCAP toolkit and climate change adaptation planning process; • Engage a broader audience in climate change adaptation planning efforts in a culturally relevant and meaningful way; and • Support initiation of, or ongoing, language revitalization efforts. 	<ul style="list-style-type: none"> • Do you require access to a resource that contains key Anishinaabemowin or Ininiimowin climate change terms and stories? • Do you require access to a resource that contains key terms related to each of the four seasons as well as geographical regions to help support your climate change adaptation planning efforts? • Do you require a resource to help initiate or support ongoing Indigenous language revitalization efforts? • Are you a non-Indigenous government, industry, or partner interested in accessing a resource to help communicate information to community partners in a respectful and culturally relevant manner? <p>Refer to:</p> 

Toolkit Component	Description	What would you like to achieve?
Anishinaabemowin and Ininiimowin Climate Change Glossaries & Indigenous Languages Glossary Workbook		<ul style="list-style-type: none"> • Would you like to learn more about the process for developing an Indigenous languages glossary? • Would you like to learn more about how to develop a language resource to help encourage community discussions on climate change and adaptation? • Would you like to learn more about how to develop a language resource that can support your community with participating in, and making informed decisions about, climate change adaptation and environmental challenges? • Would you like to learn more about how to develop a language resource that can assist you in identifying the unique needs and priorities of your community? • Would you like to learn more about how to develop a language resource that can assist you in framing climate change adaptation in a culturally relevant way? <p>Refer to:</p> <div data-bbox="765 533 1263 915">  </div>

Toolkit Component	Description	What would you like to achieve?
Climate Change Adaptation Planning Guidebooks for Indigenous Communities	<p>These guidebooks provide a comprehensive six step planning process that Indigenous communities can use to avoid, minimize or adapt to climate change impacts:</p> <ol style="list-style-type: none"> 1. Starting the Planning Process 2. Climate Change Impacts in the Community 3. Community Sustainability and Vulnerability 4. Identifying Solutions 5. Taking Adaptive Action; and 6. Monitoring Progress and Change 	<p>Refer to:</p> <ul style="list-style-type: none"> • Would you like to learn more about climate change? • Are you or your community undertaking climate change adaptation planning? • Do you need help developing a climate change adaptation plan? • Do you require support with understanding and identifying climate change impacts? • Do you need help identifying the climate-related risks faced by your community? • Do you need help engaging the community to identify possible solutions and adaptive actions? • Would you like to learn more about how other communities are identifying and implementing solutions? • Would you like to learn more about activities, ideas, and key considerations for engaging community Leadership and membership in the climate change adaptation planning process? • Do you need help with measuring and monitoring the progress of your climate change adaptation plan? 

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