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Canada



# **Measuring Progress on Climate Change Adaptation in Canada:**

## **The Expert Panel on Climate Change Adaptation and Resilience Results**

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# Objectives

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- To provide an overview of climate change adaptation in the Canadian context
- To present on the outcomes of an expert panel on climate change adaptation indicators, established by the Government of Canada



# Climate change adaptation in the Canadian context

- Climate change is already having profound impacts in Canada on human health and well-being, the environment and the economy



# Climate change adaptation in the Canadian context

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- To address the challenge, work has been underway by the Government of Canada for many years
- In 2016, the *Pan-Canadian Framework on Clean Growth and Climate Change* (PCF) was released
  - The PCF is Canada's plan – developed with the provinces and territories and in consultation with Indigenous peoples – to meet our emissions reduction targets, grow the economy, and build resilience to a changing climate
- Adaptation and climate resilience is one of four main pillars under the PCF, and a broad suite of programs support this pillar
  - These programs are related to information and capacity, climate-resilient infrastructure, human health and well-being, vulnerable regions, and climate-related hazards and disaster risks



# Measuring progress on adaptation and resilience

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- The Government of Canada has a focus on measuring progress and results
- Measuring progress on climate resilience is a complex challenge
  - Adaptation and climate resilience involves a diversity of goals, actors and scales of action
  - Encompasses natural and built environments, human health and well-being, and a variety of economic sectors



# The Expert Panel on Climate Change Adaptation and Resilience Results

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- The Expert Panel on Climate Change Adaptation and Resilience Results was announced by the Minister of Environment and Climate Change in August 2017
  - Established to provide advice to the government on measuring progress on adaptation and climate resilience
  - 22 members, from academia, Indigenous organizations and governments, the private sector, municipalities, youth and non-governmental organizations in Canada
  - Supported by a Secretariat with officials from a number of different Government of Canada departments and agencies
  - Considered a range of background information (including indicators used in other contexts) to inform its work



# The Expert Panel on Climate Change Adaptation and Resilience Results

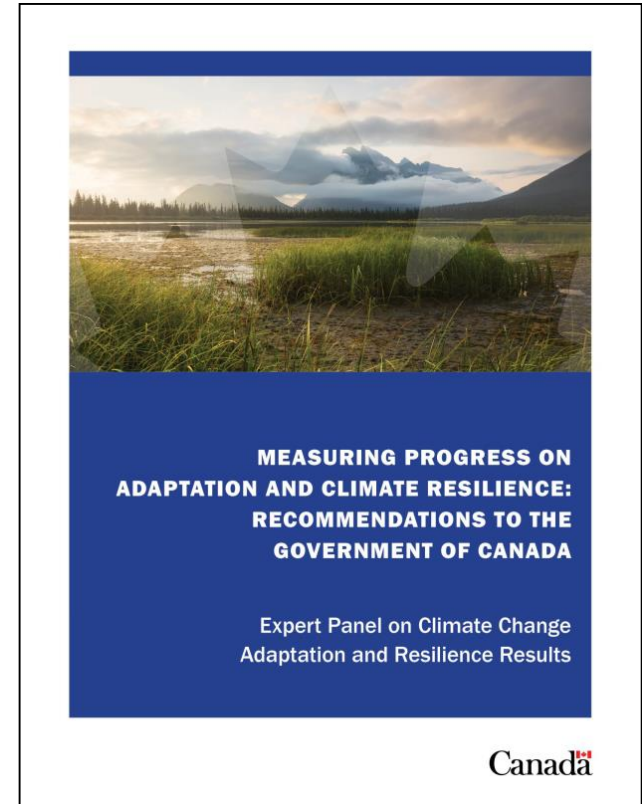
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- The process and outcomes reflected a broad range of views, consistent with the diverse membership
- Panel members emphasized the importance of appropriate and meaningful inclusion of Indigenous Knowledge Systems
- Advice and recommendations reflect:
  - Linkages between climate resilience and factors outside typical climate change scope, such as poverty and social cohesion; and
  - Diversity of actors engaged in adaptation sphere in Canada, including all levels of government, non-governmental organizations, the private sector, and Indigenous peoples



# The Expert Panel on Climate Change Adaptation and Resilience Results: Report Findings

- Recommended 54 indicators, aligned to the five PCF adaptation areas of action, encompassing planning, training, capacity, access to information, vulnerability, funding, etc.
- For instance:
  - The number of health-care practitioners trained to identify and respond to climate-related health effects
  - Maximum response times in northern, remote, and coastal regions related to search and rescue and emergency response programming
  - Number of people directly affected by a climate-related disaster
  - Percentage of communities that have natural and cultural asset management plans
  - Number of community-based climate-related monitoring and adaptation programs that include Indigenous, local and scientific knowledge





# The Expert Panel on Climate Change Adaptation and Resilience Results: Report Findings

- The report also included a chapter with advice on implementing a sustainable approach for a monitoring and evaluation program on climate change adaptation in Canada
- This included a proposed six-step monitoring and evaluation process, including continuous improvement



# Conclusion

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- The Expert Panel on Climate Change Adaptation and Resilience Results was a valuable source of information and advice for the Government of Canada
- We are currently analyzing the report and potential next steps
- More information on the Expert Panel, including information on panel membership and a link to its report, can be found at:  
<https://www.canada.ca/en/environment-climate-change/services/climate-change/adapting/expert-panel-adaptation-resilience.html>

