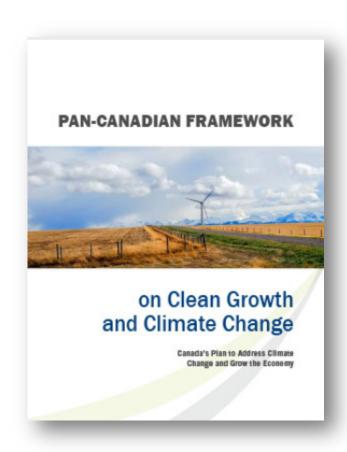




THE CANADIAN CENTRE FOR CLIMATE SERVICES: CONNECTING CANADIANS WITH CLIMATE INFORMATION

THE CANADIAN CENTRE FOR CLIMATE SERVICES



The **Mission** of the CCCS is to provide Canadians with information and support to consider climate change in their decisions

THE CANADIAN CENTRE FOR CLIMATE SERVICES

Adopts a user-centric approach

Provides leadership in cross-Canada co-delivery of Climate Services

Empowers users to understand and apply climate information in decisions

Co-develops new products and tools with partners to support adaptation

Increases access to data, tools and information



A SUITE OF DATA PORTALS



Climate Atlas of Canada

Start learning about climate change in Canada through mapping and storytelling



ClimateData.ca

Start exploring case studies and downloading locationbased climate data by variable or sector

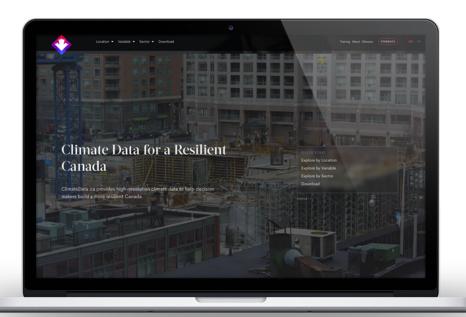


Power Analytics and Visualization for Climate Science (PAVICS)

Coming soon!
Access advanced climate data
processing and visualization
tools

CLIMATEDATA.CA

High-resolution climate data to help decision makers build a more resilient Canada



Climate Data

- Climate Data
- 10x10km resolution climate data
- Temperature and precipitation variables and climate indices
- Observed climate normals and daily data download
- IDF curves

Helpful Resources

- Location-based summaries
- Local and national scale charts and maps
- Ability to compare emission scenarios
- Custom heat wave analysis tool
- Sector modules with tailored case studies
- Training modules

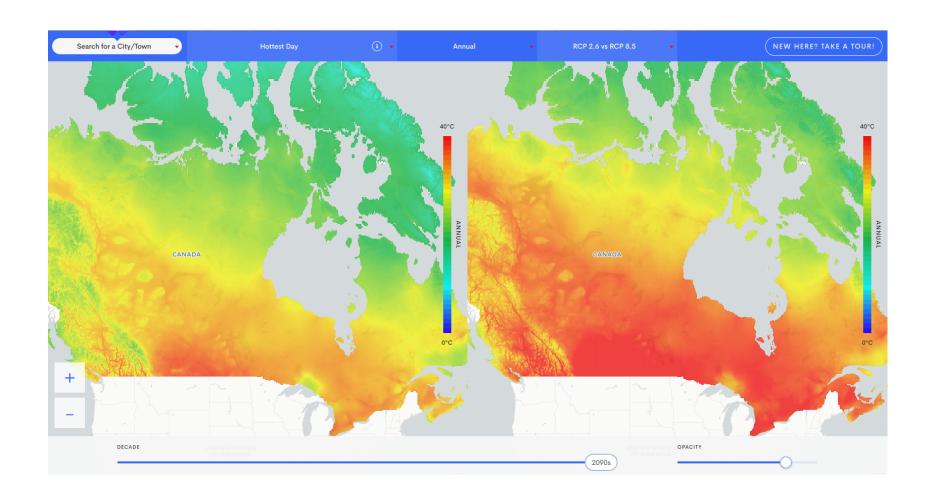
QUERIES

Search for data by location or variable

- Select a variable, including historical station data and IDF curves
- Select Annual or Month
- Select RCP
- Download Data
- Download chart image
- Adjust time scale to customize output

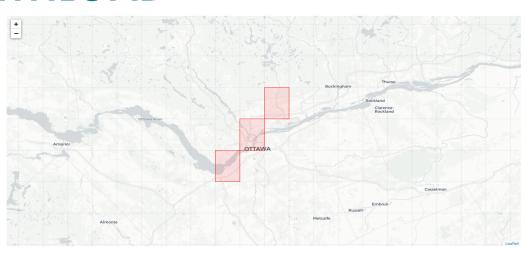


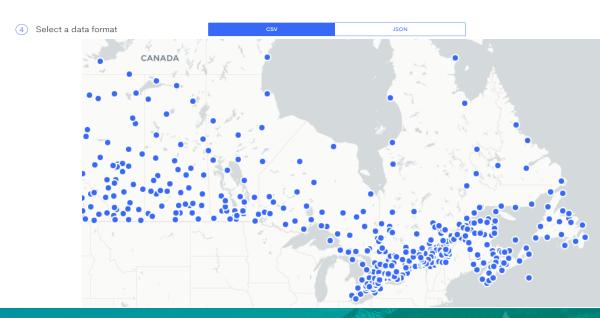
COMPARING FUTURE EMISSION SCENARIOS



DOWNLOAD

- 25+ monthly and annual indices
- 3 daily variables
- Any ~10x10km grid cell in Canada
- Select multiple grid cells
- ECCC climate station data and IDF Curves





ANALYZE PAGE

- Canada has a wide variety of climates and indices needs
- 15 indices to personalize
- Users can choose percentiles, RCPs etc.
- Calculations are done in the background by the site and sent to the user



Heat Wave Frequency

This analysis returns the number of heat waves, defined as an event where daily minimum temperature >

degrees C and daily maximum temperature > 32

degrees C over a minimum of 4

consecutive days



SECTORS

Examples of how ClimateData.ca's information can be incorporated into adaptation decision making

Health Sector

- 3 Case Studies
- Data summarized by health region.

Upcoming Sectors:

- Agriculture
- Transport
- Bâtiments







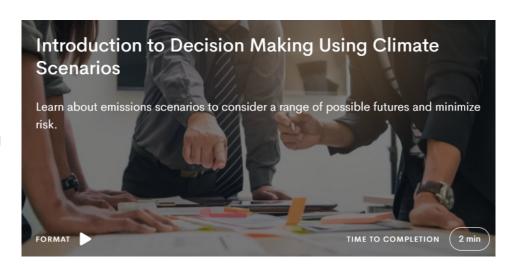
LEARNING

Topics:

- Introduction to Climate Information for Decision Making
- Understanding Historical Data
- How to use ClimateData.ca

Training Material:

 Introduces climate information and its role in decision making





CANADIAN CENTRE FOR CLIMATE SERVICES WEBSITE

Canadian Centre for Climate Services





Library of climate resources

Datasets, tools, guidance and related resources



Climate information basics

Climate change concepts, trends and role of climate information in decision-making



Climate Services Support Desk

1-833-517-0376
Get help from our climate experts to find, understand and use climate information

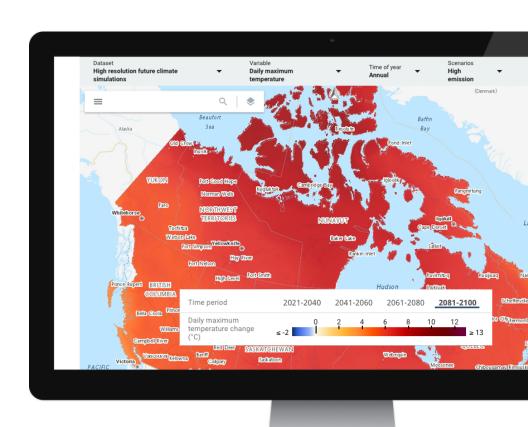


Display and download climate data

View selected climate datasets on maps or download data

CCCS CLIMATE DATA VIEWER

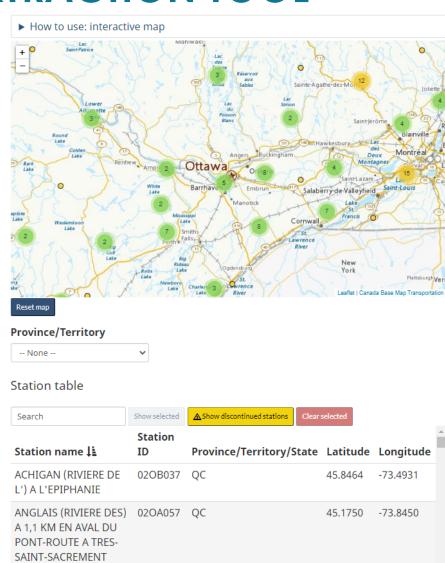
- Choose historical or future datasets
- Choose from statistically downscaled products or GCM ensembles
- Choose different variables including temperature and precipitation
- Choose annual or seasons
- Choose from low, moderate, or high emissions scenarios
- Download data in a variety of formats



CLIMATE DATA EXTRACTION TOOL

An interactive map to download ECCC's historical and future climate data

- Choose from historical data or future projections
- Choose between coarse resolution global climate model outputs or statistically downscaled outputs
- Narrow down our selection by time period, value type, emission scenario and more!
- Data provided by API



LIBRARY OF CLIMATE RESOURCES



Library of climate resources

Datasets, tools, guidance and related resources

- Provides access to over 300 resources from Canadian and International sources
- Links to climate related resources to support adaptation decision-making
- Keywords and Filters to support exploration

CLIMATE INFORMATION BASICS

- Helpful information on climate change concepts
- Guidance on the role of climate information in decisionmaking
- Supporting resources to clarify the field of climate services



Climate information basics

Climate change concepts, trends and role of climate information in decision-making

CLIMATE SERVICES SUPPORT DESK



- Helps users find the right datasets and information
- Provides guidance for understanding and using data
- Draws on a network of experts to respond to inquiries



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CONTACT US



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