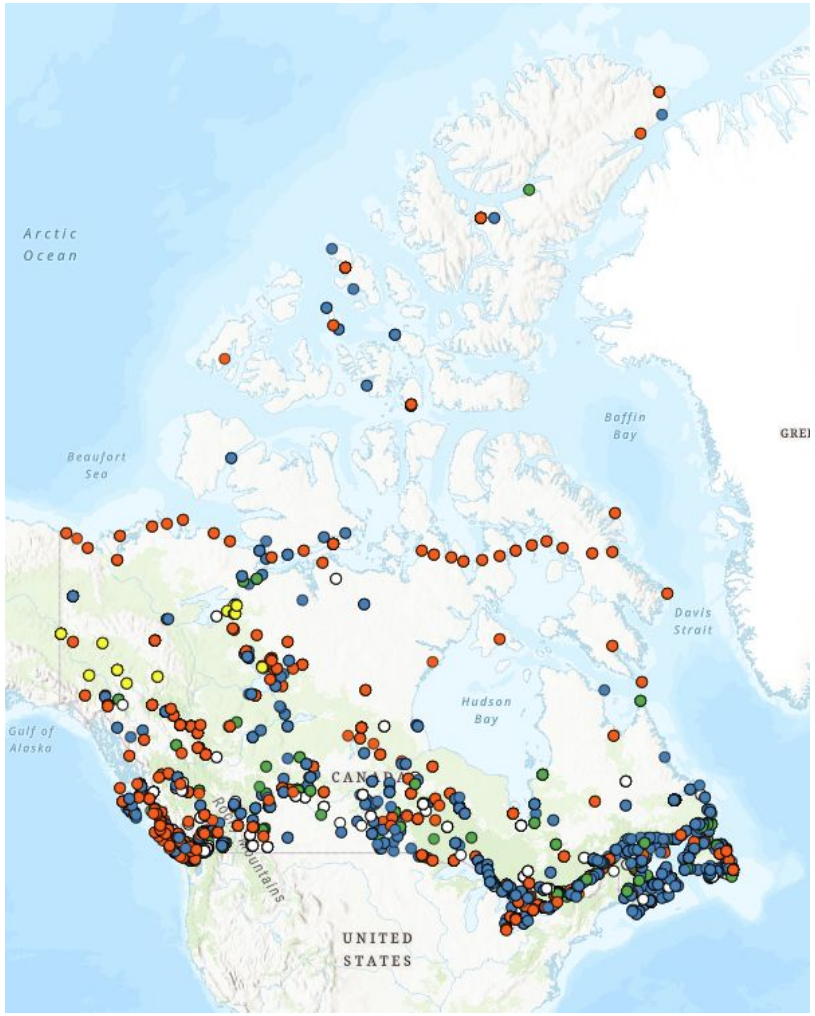

BC | Climate Resilience Summit 2026
Vancouver, Robson Square | March 2-3

Federal Contaminated Sites Action Plan (**FCSAP**)

- Federal program (2005-2034) funding the assessment and remediation of federal contaminated sites across Canada

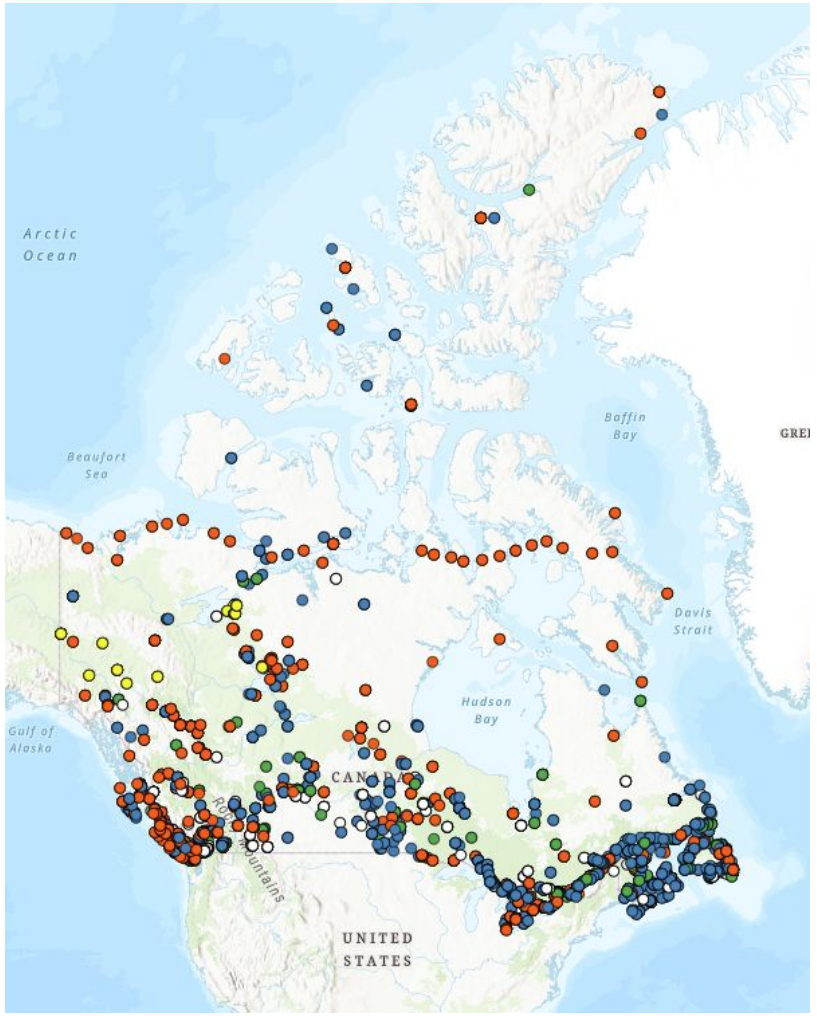
- Coordinated by Environment and Climate Change Canada (ECCC) and involving 14 federal departments, agencies, and Crown corporations



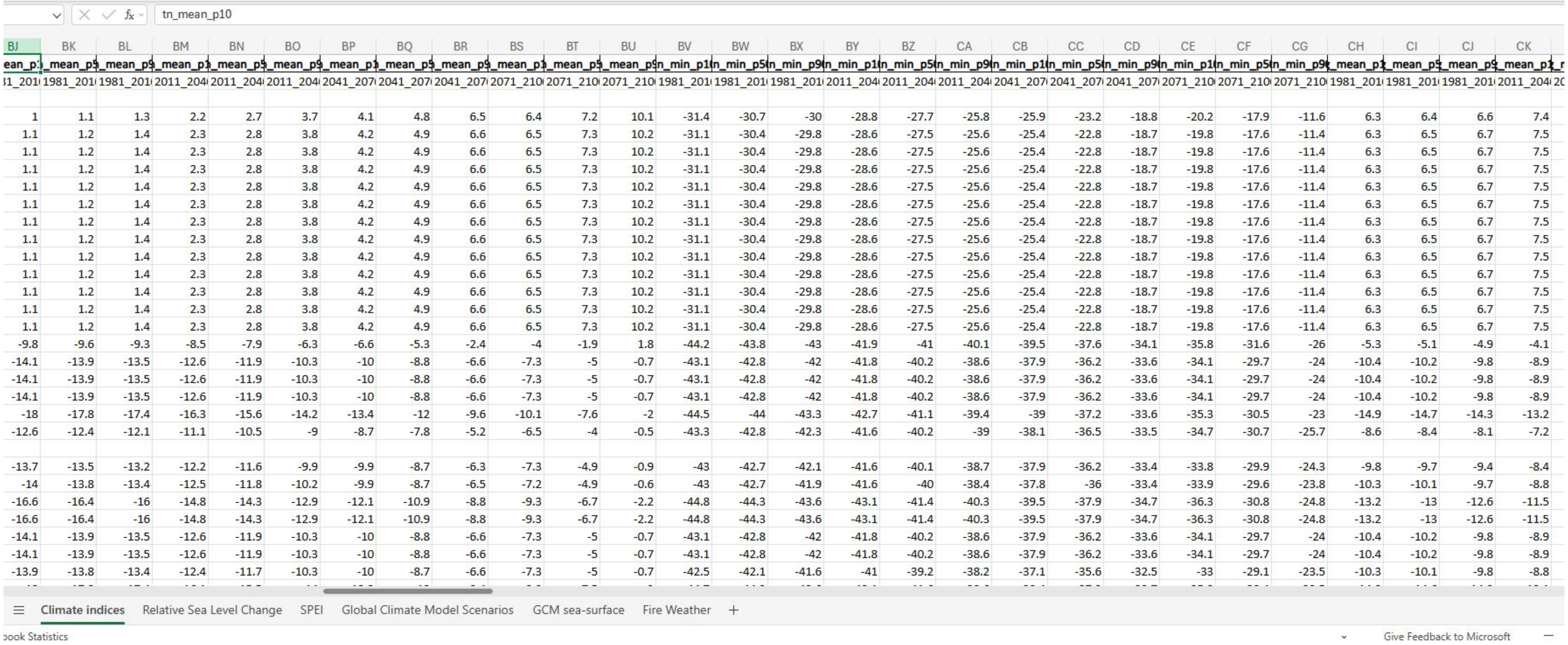
Federal Contaminated Sites Action Plan **App** (**FCSApp**)

- Climate change (e.g., flooding, permafrost thaw, drought) directly affects contaminant behaviour and site stability

- Designed for site managers and consultants/contractors who need climate data to inform decisions – without requiring climate science expertise



The challenge



BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK
ean_p1	_mean_p5	_mean_p9	_mean_p1	_mean_p5	_mean_p9	_mean_p1	_mean_p5	_mean_p9	_mean_p1	_mean_p5	_mean_p9	n_min_p1	n_min_p5	n_min_p9	n_min_p1	n_min_p5	n_min_p9	n_min_p1	n_min_p5	n_min_p9	n_min_p1	n_min_p5	n_min_p9	_mean_p1	_mean_p5	_mean_p9	_mean_p1
31_201	1981_201	1981_201	2011_204	2011_204	2011_204	2041_207	2041_207	2041_207	2071_210	2071_210	2071_210	1981_201	1981_201	1981_201	2011_204	2011_204	2011_204	2041_207	2041_207	2041_207	2071_210	2071_210	2071_210	1981_201	1981_201	1981_201	2011_204
1	1.1	1.3	2.2	2.7	3.7	4.1	4.8	6.5	6.4	7.2	10.1	-31.4	-30.7	-30	-28.8	-27.7	-25.8	-25.9	-23.2	-18.8	-20.2	-17.9	-11.6	6.3	6.4	6.6	7.4
1.1	1.2	1.4	2.3	2.8	3.8	4.2	4.9	6.6	6.5	7.3	10.2	-31.1	-30.4	-29.8	-28.6	-27.5	-25.6	-25.4	-22.8	-18.7	-19.8	-17.6	-11.4	6.3	6.5	6.7	7.5
1.1	1.2	1.4	2.3	2.8	3.8	4.2	4.9	6.6	6.5	7.3	10.2	-31.1	-30.4	-29.8	-28.6	-27.5	-25.6	-25.4	-22.8	-18.7	-19.8	-17.6	-11.4	6.3	6.5	6.7	7.5
1.1	1.2	1.4	2.3	2.8	3.8	4.2	4.9	6.6	6.5	7.3	10.2	-31.1	-30.4	-29.8	-28.6	-27.5	-25.6	-25.4	-22.8	-18.7	-19.8	-17.6	-11.4	6.3	6.5	6.7	7.5
1.1	1.2	1.4	2.3	2.8	3.8	4.2	4.9	6.6	6.5	7.3	10.2	-31.1	-30.4	-29.8	-28.6	-27.5	-25.6	-25.4	-22.8	-18.7	-19.8	-17.6	-11.4	6.3	6.5	6.7	7.5
1.1	1.2	1.4	2.3	2.8	3.8	4.2	4.9	6.6	6.5	7.3	10.2	-31.1	-30.4	-29.8	-28.6	-27.5	-25.6	-25.4	-22.8	-18.7	-19.8	-17.6	-11.4	6.3	6.5	6.7	7.5
1.1	1.2	1.4	2.3	2.8	3.8	4.2	4.9	6.6	6.5	7.3	10.2	-31.1	-30.4	-29.8	-28.6	-27.5	-25.6	-25.4	-22.8	-18.7	-19.8	-17.6	-11.4	6.3	6.5	6.7	7.5
1.1	1.2	1.4	2.3	2.8	3.8	4.2	4.9	6.6	6.5	7.3	10.2	-31.1	-30.4	-29.8	-28.6	-27.5	-25.6	-25.4	-22.8	-18.7	-19.8	-17.6	-11.4	6.3	6.5	6.7	7.5
1.1	1.2	1.4	2.3	2.8	3.8	4.2	4.9	6.6	6.5	7.3	10.2	-31.1	-30.4	-29.8	-28.6	-27.5	-25.6	-25.4	-22.8	-18.7	-19.8	-17.6	-11.4	6.3	6.5	6.7	7.5
1.1	1.2	1.4	2.3	2.8	3.8	4.2	4.9	6.6	6.5	7.3	10.2	-31.1	-30.4	-29.8	-28.6	-27.5	-25.6	-25.4	-22.8	-18.7	-19.8	-17.6	-11.4	6.3	6.5	6.7	7.5
1.1	1.2	1.4	2.3	2.8	3.8	4.2	4.9	6.6	6.5	7.3	10.2	-31.1	-30.4	-29.8	-28.6	-27.5	-25.6	-25.4	-22.8	-18.7	-19.8	-17.6	-11.4	6.3	6.5	6.7	7.5
1.1	1.2	1.4	2.3	2.8	3.8	4.2	4.9	6.6	6.5	7.3	10.2	-31.1	-30.4	-29.8	-28.6	-27.5	-25.6	-25.4	-22.8	-18.7	-19.8	-17.6	-11.4	6.3	6.5	6.7	7.5
1.1	1.2	1.4	2.3	2.8	3.8	4.2	4.9	6.6	6.5	7.3	10.2	-31.1	-30.4	-29.8	-28.6	-27.5	-25.6	-25.4	-22.8	-18.7	-19.8	-17.6	-11.4	6.3	6.5	6.7	7.5
1.1	1.2	1.4	2.3	2.8	3.8	4.2	4.9	6.6	6.5	7.3	10.2	-31.1	-30.4	-29.8	-28.6	-27.5	-25.6	-25.4	-22.8	-18.7	-19.8	-17.6	-11.4	6.3	6.5	6.7	7.5
-9.8	-9.6	-9.3	-8.5	-7.9	-6.3	-6.6	-5.3	-2.4	-4	-1.9	1.8	-44.2	-43.8	-43	-41.9	-41	-40.1	-39.5	-37.6	-34.1	-35.8	-31.6	-26	-5.3	-5.1	-4.9	-4.1
-14.1	-13.9	-13.5	-12.6	-11.9	-10.3	-10	-8.8	-6.6	-7.3	-5	-0.7	-43.1	-42.8	-42	-41.8	-40.2	-38.6	-37.9	-36.2	-33.6	-34.1	-29.7	-24	-10.4	-10.2	-9.8	-8.9
-14.1	-13.9	-13.5	-12.6	-11.9	-10.3	-10	-8.8	-6.6	-7.3	-5	-0.7	-43.1	-42.8	-42	-41.8	-40.2	-38.6	-37.9	-36.2	-33.6	-34.1	-29.7	-24	-10.4	-10.2	-9.8	-8.9
-14.1	-13.9	-13.5	-12.6	-11.9	-10.3	-10	-8.8	-6.6	-7.3	-5	-0.7	-43.1	-42.8	-42	-41.8	-40.2	-38.6	-37.9	-36.2	-33.6	-34.1	-29.7	-24	-10.4	-10.2	-9.8	-8.9
-18	-17.8	-17.4	-16.3	-15.6	-14.2	-13.4	-12	-9.6	-10.1	-7.6	-2	-44.5	-44	-43.3	-42.7	-41.1	-39.4	-39	-37.2	-33.6	-35.3	-30.5	-23	-14.9	-14.7	-14.3	-13.2
-12.6	-12.4	-12.1	-11.1	-10.5	-9	-8.7	-7.8	-5.2	-6.5	-4	-0.5	-43.3	-42.8	-42.3	-41.6	-40.2	-39	-38.1	-36.5	-33.5	-34.7	-30.7	-25.7	-8.6	-8.4	-8.1	-7.2
-13.7	-13.5	-13.2	-12.2	-11.6	-9.9	-9.9	-8.7	-6.3	-7.3	-4.9	-0.9	-43	-42.7	-42.1	-41.6	-40.1	-38.7	-37.9	-36.2	-33.4	-33.8	-29.9	-24.3	-9.8	-9.7	-9.4	-8.4
-14	-13.8	-13.4	-12.5	-11.8	-10.2	-9.9	-8.7	-6.5	-7.2	-4.9	-0.6	-43	-42.7	-41.9	-41.6	-40	-38.4	-37.8	-36	-33.4	-33.9	-29.6	-23.8	-10.3	-10.1	-9.7	-8.8
-16.6	-16.4	-16	-14.8	-14.3	-12.9	-12.1	-10.9	-8.8	-9.3	-6.7	-2.2	-44.8	-44.3	-43.6	-43.1	-41.4	-40.3	-39.5	-37.9	-34.7	-36.3	-30.8	-24.8	-13.2	-13	-12.6	-11.5
-16.6	-16.4	-16	-14.8	-14.3	-12.9	-12.1	-10.9	-8.8	-9.3	-6.7	-2.2	-44.8	-44.3	-43.6	-43.1	-41.4	-40.3	-39.5	-37.9	-34.7	-36.3	-30.8	-24.8	-13.2	-13	-12.6	-11.5
-14.1	-13.9	-13.5	-12.6	-11.9	-10.3	-10	-8.8	-6.6	-7.3	-5	-0.7	-43.1	-42.8	-42	-41.8	-40.2	-38.6	-37.9	-36.2	-33.6	-34.1	-29.7	-24	-10.4	-10.2	-9.8	-8.9
-14.1	-13.9	-13.5	-12.6	-11.9	-10.3	-10	-8.8	-6.6	-7.3	-5	-0.7	-43.1	-42.8	-42	-41.8	-40.2	-38.6	-37.9	-36.2	-33.6	-34.1	-29.7	-24	-10.4	-10.2	-9.8	-8.9
-13.9	-13.8	-13.4	-12.4	-11.7	-10.3	-10	-8.7	-6.6	-7.3	-5	-0.7	-42.5	-42.1	-41.6	-41	-39.2	-38.2	-37.1	-35.6	-32.5	-33	-29.1	-23.5	-10.3	-10.1	-9.8	-8.8

Overview

FCSApp (Draft)

Overview

Access data

Bulk downloads

Intro | Climate model details | Climate hazards | Variable descriptions

The Canadian Centre for Climate Services and the Federal Contaminated Sites Actional Plan Secretariat have worked together to provide climate change projections for contaminated sites in the Federal Contaminated Sites Inventory.

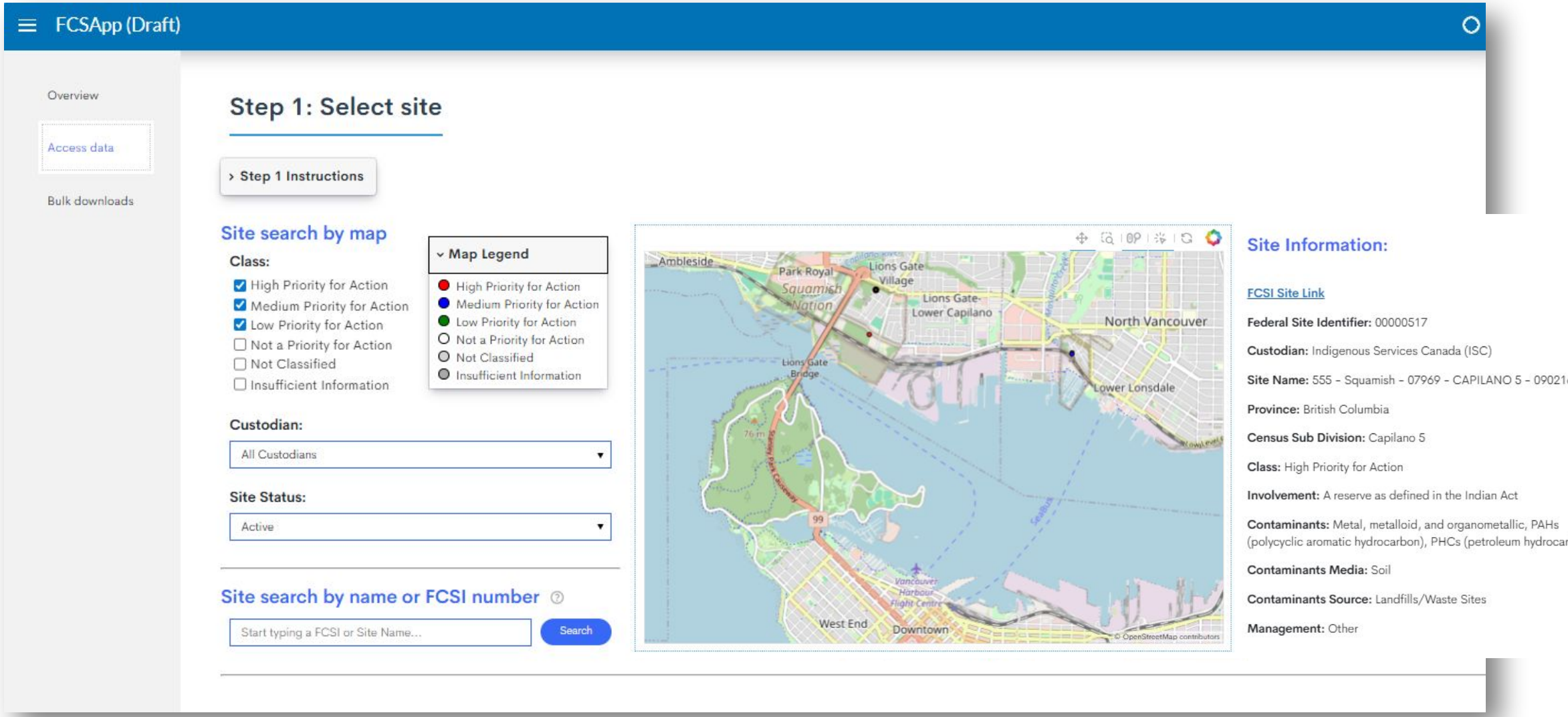
This app presents modeled climate data for historical and future periods based on the latest phase of international climate models (CMIP6), the most current global climate model data available. The data were compiled in summer 2025, and supersedes the previous data provided to support the FCSAP in 2022. While the previous data (based on CMIP5 models) are still valid for ongoing work or where significant resources have already been invested, it is preferable, where possible, to incorporate the newer CMIP6 based data, especially for new projects. Contact the Secretariat to request the code the CCCS used for the climate data extraction.

App layout

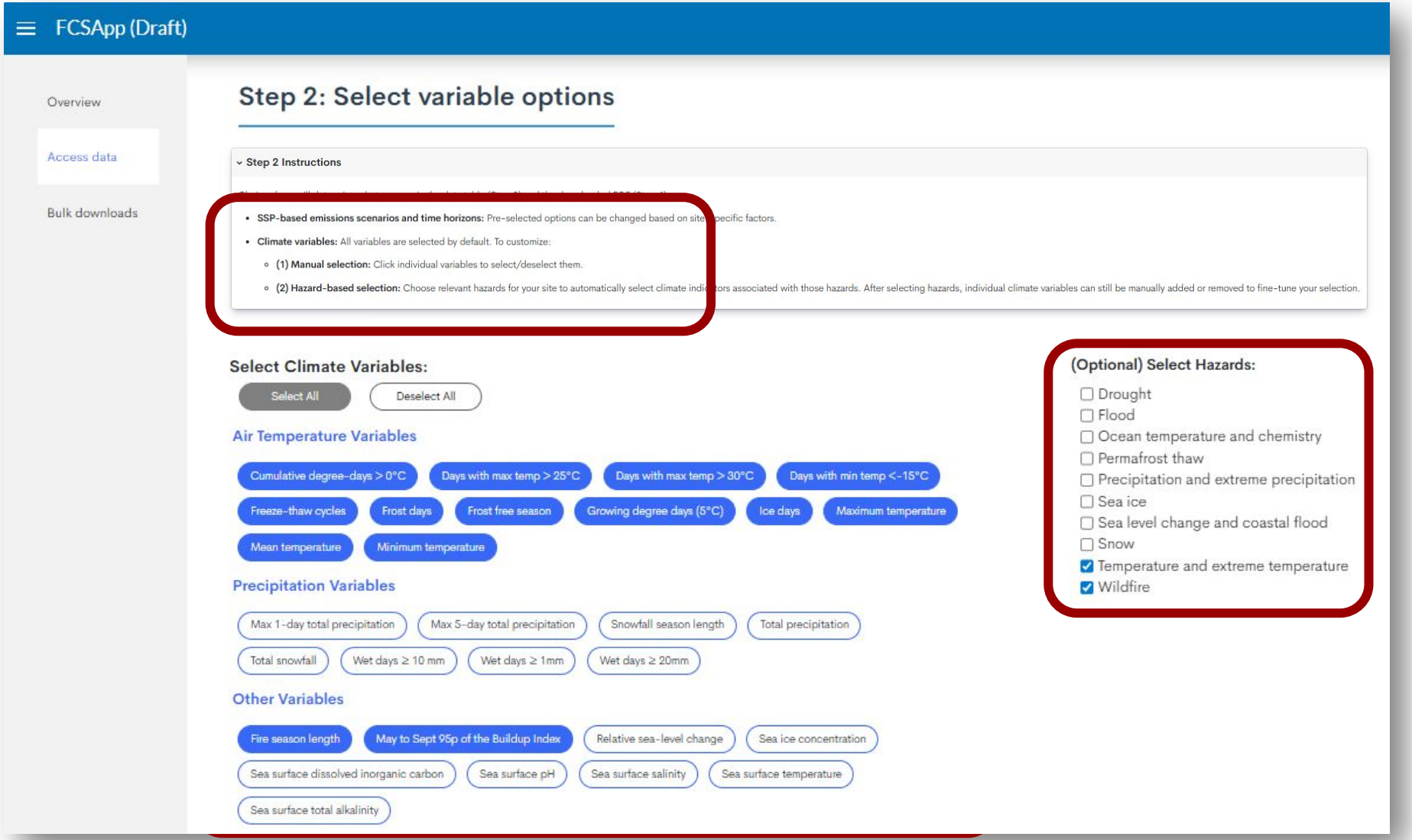
The app is organized with three pages:

- **Overview**: an overview of the app and the data provided, including technical information and guidance
- **Access data**: explore and download data for one site at a time, specify your climate variables of interest, and view the data in tabular and plotted format

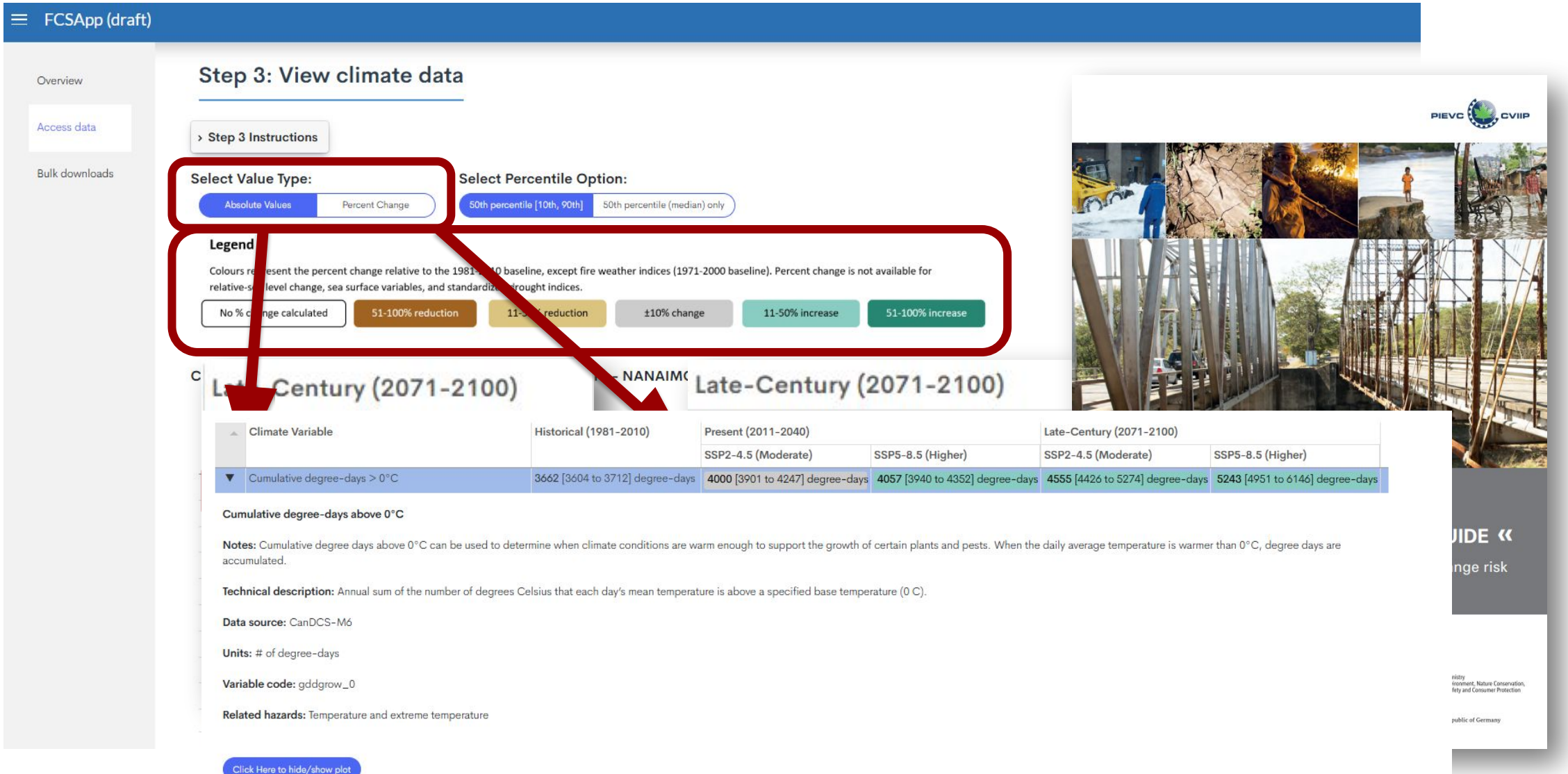
Access data - Step 1: Select site



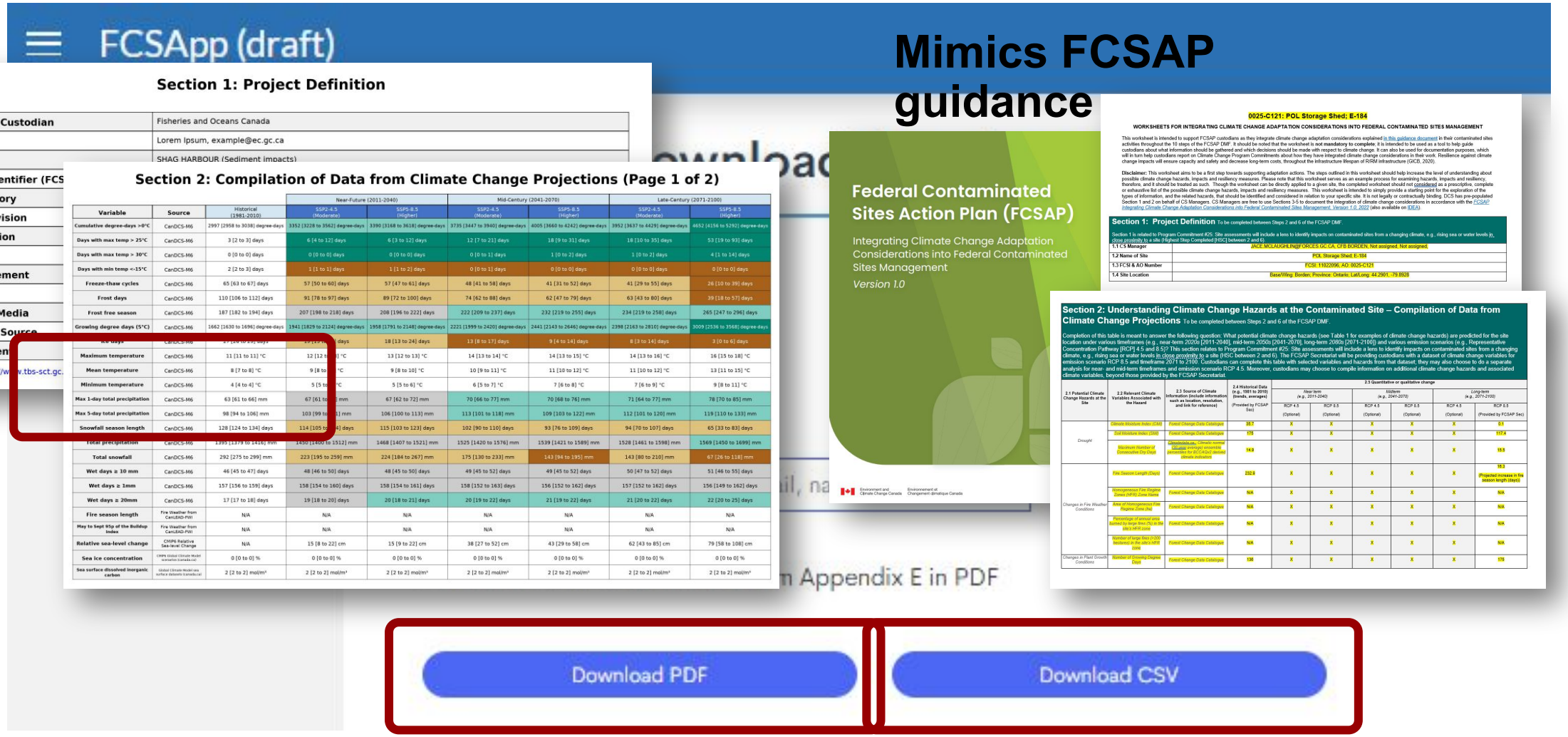
Access data – Step 2: Select variable options



Access data – Step 3: View climate data



Access data – Step 4: Download data



*desktop only

https://pavics.ouranos.ca/FCSAP/app

Environment and Climate Change Canada | Environnement et Changement climatique | Canada

Canadian Centre for Climate Services

Making climate science actionable

At the CCCS, we turn complex climate data into client-centred products and resources. Our services, developed with national and regional partners, help Canadians make informed adaptation decisions. Our offerings are continually refined through collaboration and feedback.

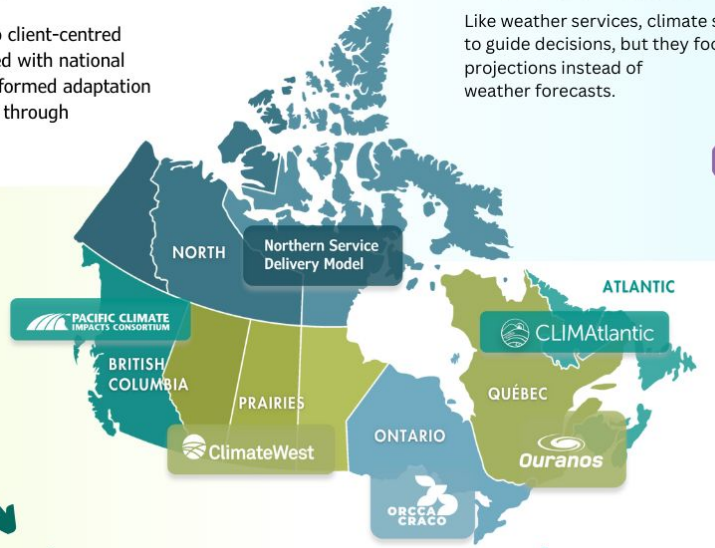
What are climate services?

Like weather services, climate services provide data to guide decisions, but they focus on future climate projections instead of weather forecasts.

- **Producing climate data products**
- **Engaging a range of climate service users**
- **Creating accessible tools and products**
- **Outreach, training, and collaboration**

What we do

We deliver climate services and provide Canadians with access to climate data, including support for data portals like ClimateData.ca.



Developing new products based on user needs

Our data teams develop next-generation climate data products, done with user-needs in mind.

Growing a community of climate leaders

We promote the use of our services and gather feedback for continuous improvement.

Fostering a network of excellence and collaboration

We work with researchers and climate service organizations across Canada to deliver reliable, high-quality climate services.

Training the next generation of adaptation specialists

We provide guidance, learning resources, and training to support the informed use of climate data.

ClimateData.ca
Join the conversation

canada.ca/climate-services
ccsc-cccs@ec.gc.ca

The climate is changing. Understand how. We're here to help.

CANADIAN CENTRE FOR CLIMATE SERVICES | CENTRE CANADIEN DES SERVICES CLIMATIQUES

Thank you to our Sponsors

co-operators

Understanding Risk British Columbia

UBC SAUDER SCHOOL OF BUSINESS

CENTRE FOR CLIMATE AND BUSINESS SOLUTIONS

IBC BAC

BGC

Municipal Finance Authority of BC

Pacific Institute for Climate Solutions

ARCADIS

Wawanesa