



# ClimateData.ca

ClimateWest Forum 2025  
Saskatoon, SK

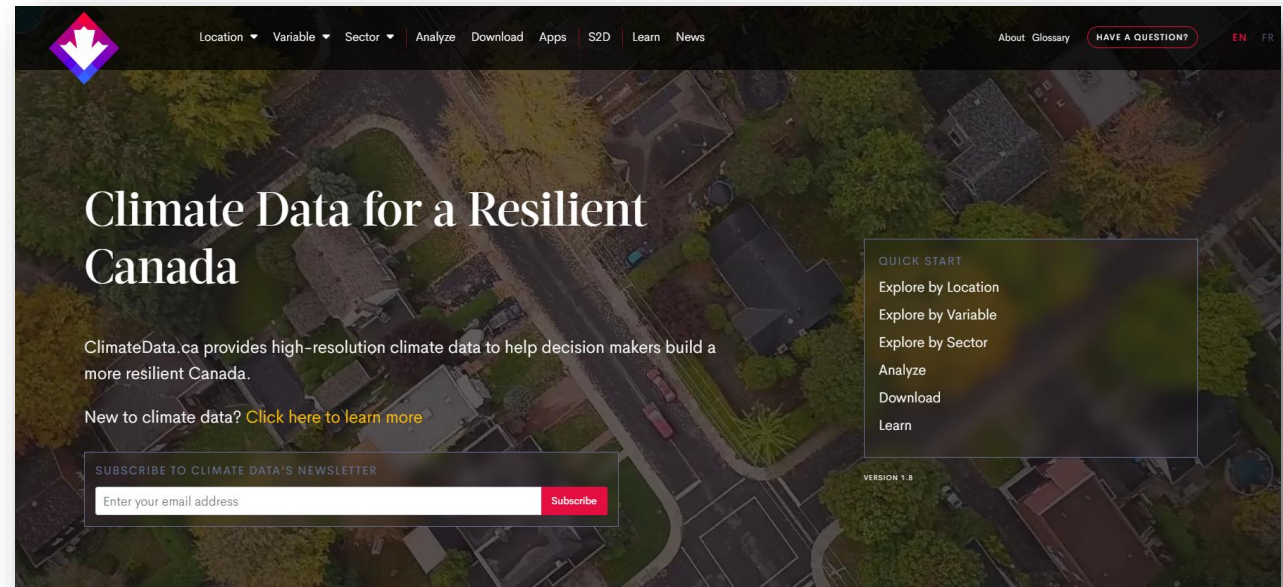
# ClimateData.ca

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

## What is ClimateData.ca?

ClimateData.ca is a climate data portal produced collaboratively by the country's leading climate organizations and supported, in part, by the Government of Canada.

The goal of this portal is to support decision makers across a broad spectrum of sectors and locations by providing the most up-to-date climate data in easy-to-use formats and visualizations.



# Coming Soon: A new and improved ClimateData.ca

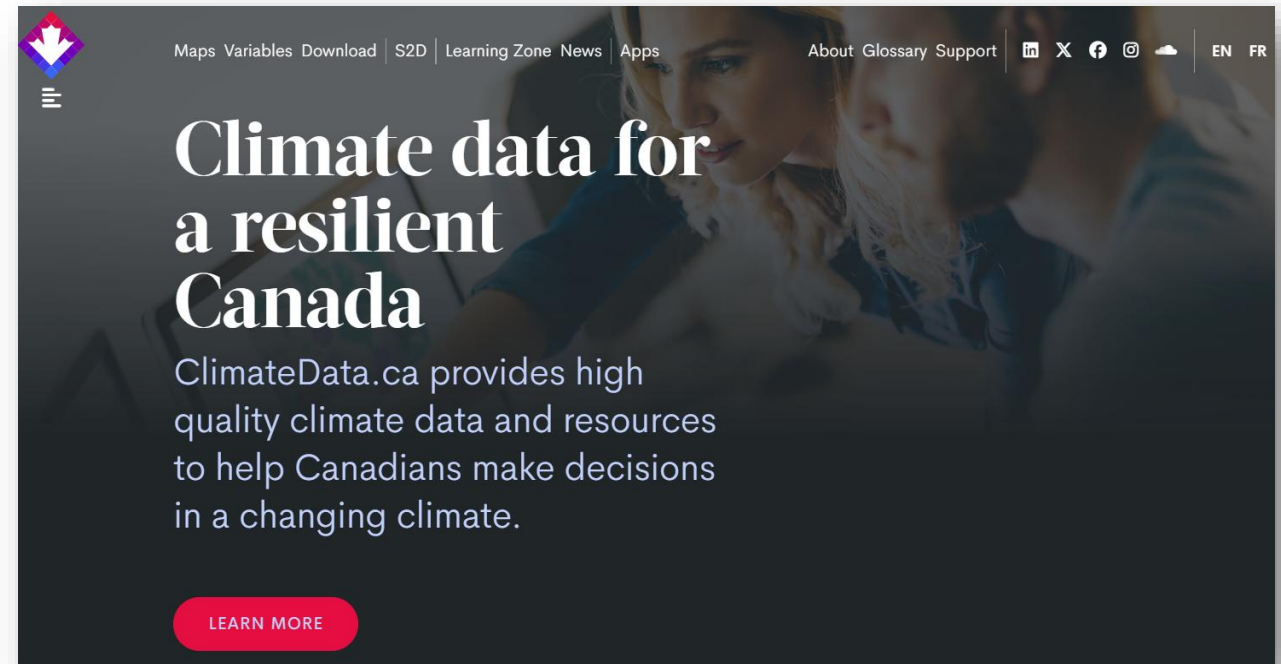
An easier way to access, visualize, and download climate data

## What has improved?

ClimateData.ca has undergone a major update to enhance usability and clarity—without compromising the depth and quality of the data.

Highlights include:

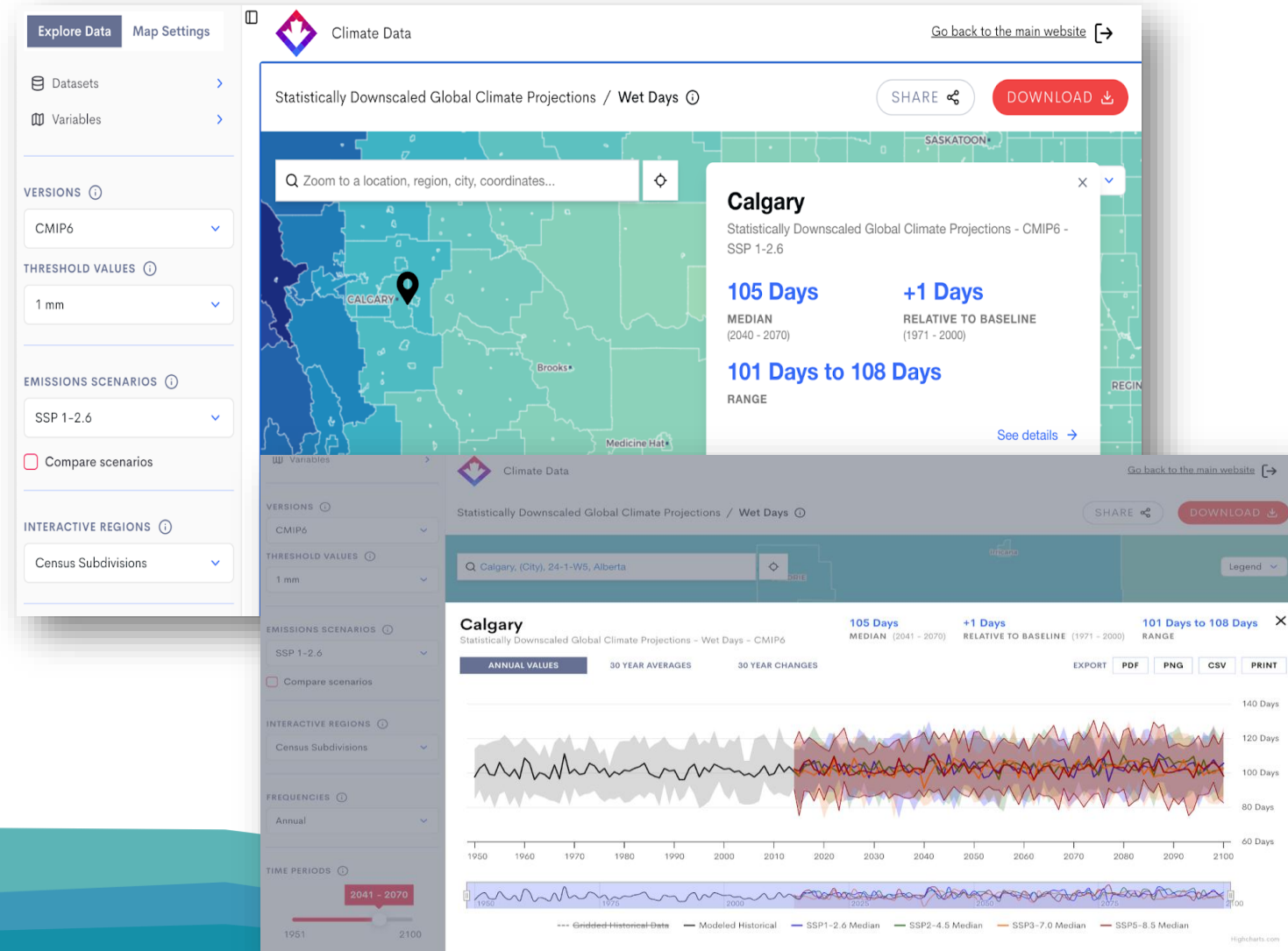
- **Easier navigation**
- **Lower barriers for non-experts**
- **A better download tool**
- **Mobile-friendly design**
- **Future-ready infrastructure**



# Explore Data: An all-new map interface

## New, powerful customization features

1. Select the right dataset
2. Find the right variables
3. Explore maps by geography and interactive regions
4. Compare future projections and past data using *Map Settings*





# A streamlined way to download data

Follow a step-by-step process with the improved download tool

## Step 1: Select a Dataset

Select dataset to begin building your download request. Several options will be available after this selection.

☐ Adjusted and Homogenized Canadian Climate Data (AHCCD)

☒ Statistically Downscaled Global Climate Projections

☐ Sea Level

☐ Climate Normals

☐ Future Building Design Values

☐ IDF Rainfall Data

☐ Station Observations

## Step 4: Select a location or area

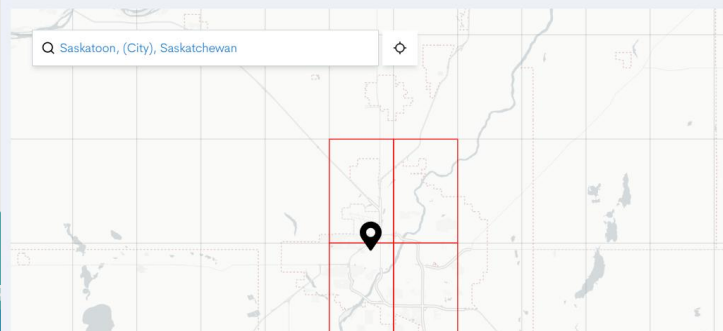
Using the tool below, you can select or draw a selection to include in your download file.

INTERACTIVE REGIONS ⓘ

Grid Cells

WAYS TO SELECT ON THE MAP

☒ Grid cells



CLEAR YOU SELECTED: 4 Cells

## Step 5: Additional details

Adjust the controls below to customize your analysis.

START YEAR: 1980 END YEAR: 2030

MODELS ⓘ

☒ Full ensemble

EMISSIONS SCENARIOS ⓘ

☐ SSP 1-2.6 ☐ SSP 2-4.5 ☒ SSP 5-8.5

PERCENTILES ⓘ

☐ 5 ☒ 10 ☐ 25 ☒ 75 ☒ 90 ☐ 95

Unselect all to receive output from individual models

TEMPORAL FREQUENCY

Annual

NEXT STEP →

Threshold (HXMax): 28 HXMAX

## Final Step: Select file parameters

Data processing starts after you "Send Request". It may take 30 to 90 minutes to complete, depending on available resources. You will be notified by email when your request has been processed and the data are available. Don't forget to check your spam folder.

FORMAT

☒ CSV  
☐ NetCDF

DECIMAL PLACE

0

Please enter your email address to receive your download link.

EMAIL ADDRESS

john.doe@gmail.com

☐ I would like to subscribe to ClimateData Newsletter

Enter the characters shown:

XXXX

## Summary

DATASET  
Statistically Downscaled  
Global Climate Projections

VARIABLE  
Days above HXmax

VARIABLE OPTIONS  
+ Version: HUMIDEX  
+ Daily Maximum Humidex  
Threshold (HXMax): 28 HXMAX

LOCATION OR AREA  
4 selected

## Summary

DATASET  
Statistically Downscaled  
Global Climate Projections

VARIABLE  
Days above HXmax

VARIABLE OPTIONS  
+ Version: HUMIDEX  
+ Daily Maximum Humidex  
Threshold (HXMax): 30 HXMAX

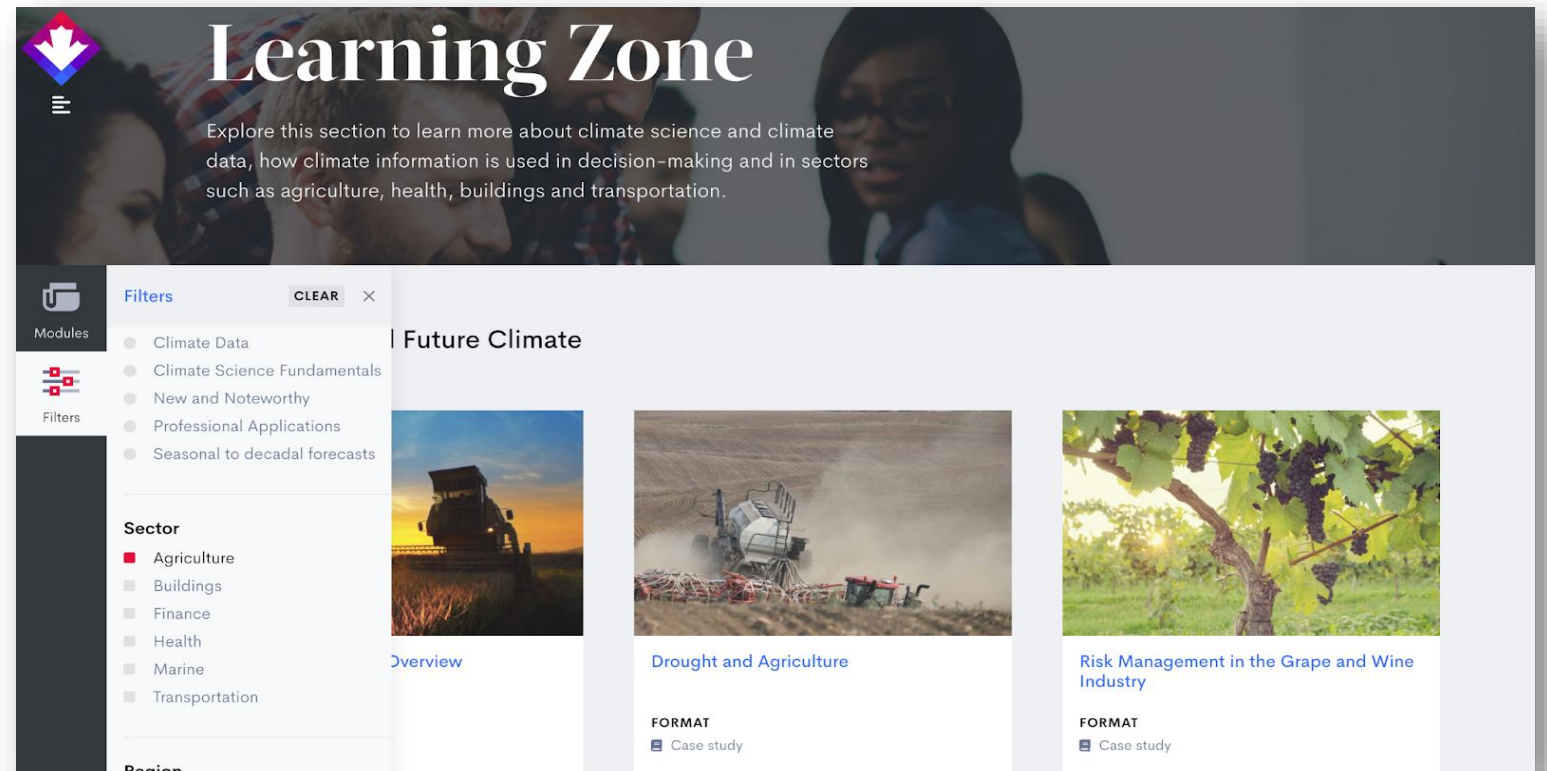
LOCATION OR AREA  
4 selected

ADDITIONAL DETAILS  
1980 - 2025, Annual, SSP 5-8.5

# The same features, better navigation

A more intuitive, smoother experience for users

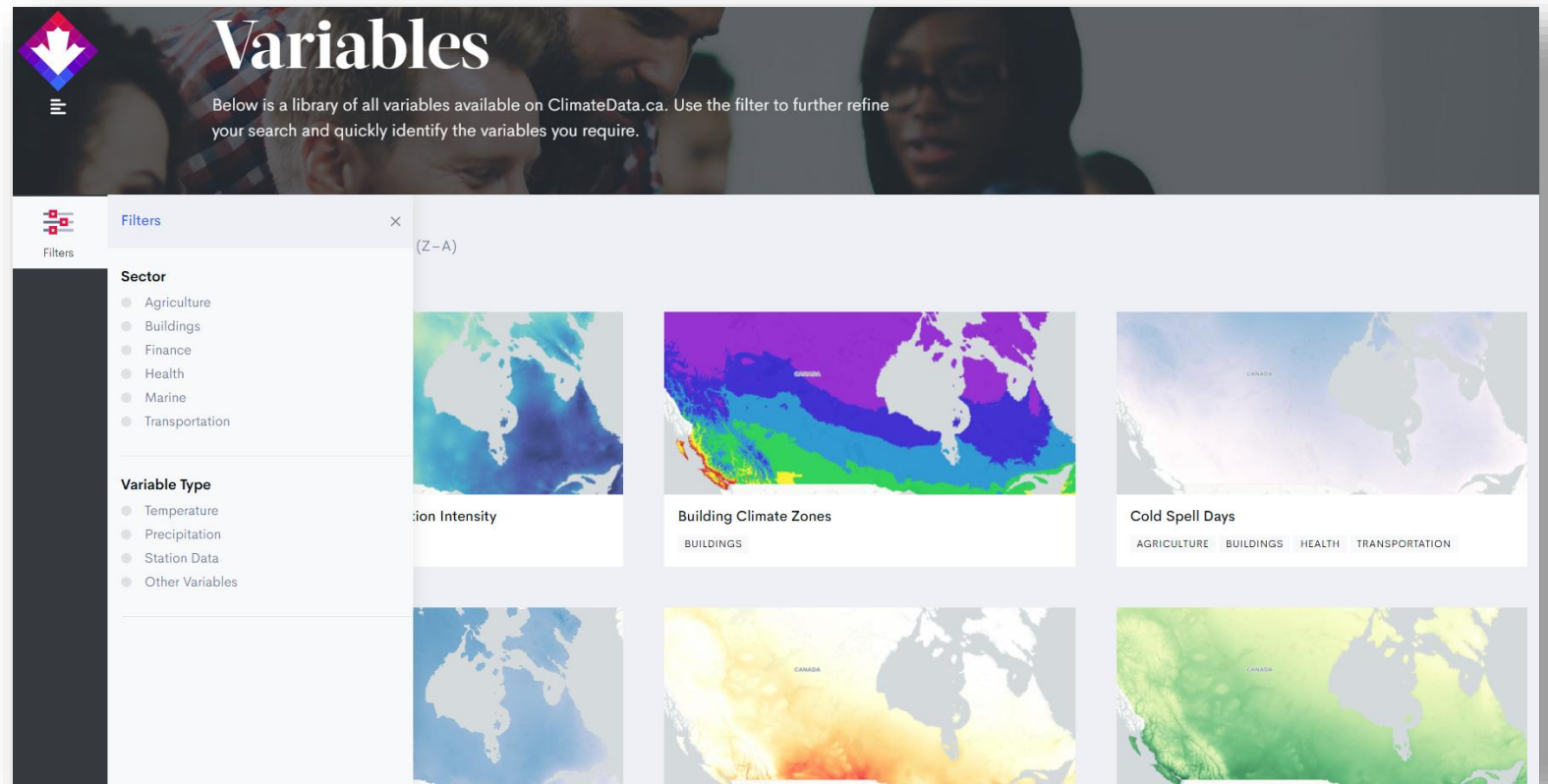
Material from the former Sector Modules is now integrated into the Learning Zone, and new filters make it easy to browse by topic or sector (e.g. agriculture, buildings, health, marine).



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A more intuitive, smoother experience for users

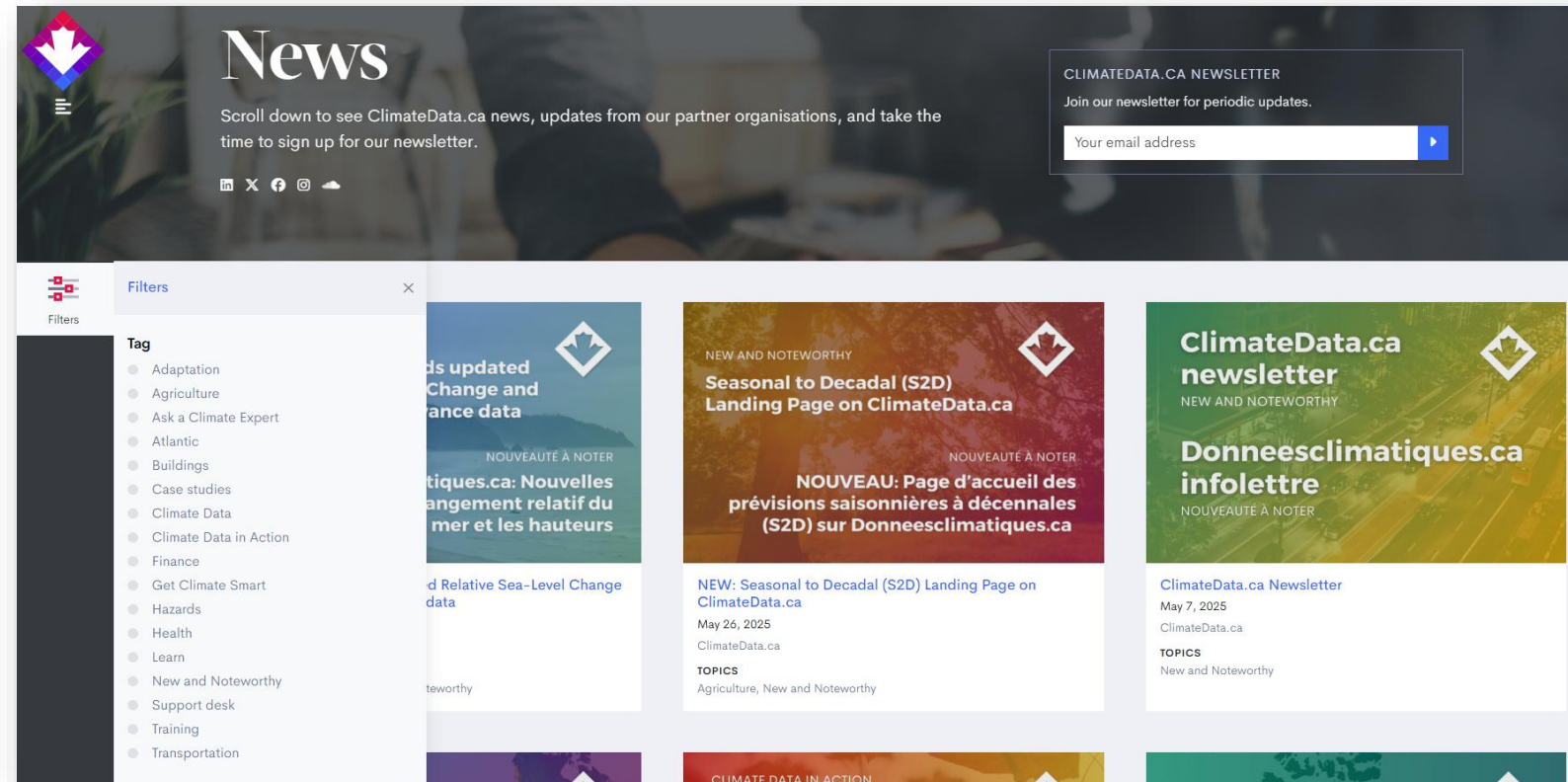
Search all the same variables through the new, streamlined Variables page. Users can use filters to search for relevant variables by sector or variable type.



# The same features, better navigation

A more intuitive, smoother experience for users

Browse the News section using new filtering options by topic, including sectors.





# Launching soon!

You can continue to use [ClimateData.ca](https://climatedata.ca) until the updated site is ready

Have a question? We're here to help.

If you can't find the information you're looking for, or you need support accessing or understanding the data on the site, please contact the Climate Services Support Desk. A Climate Services Support Desk Officer with expertise in climate information will contact you shortly.

You can use the [webform on the current ClimateData.ca site](#) (this will also be available on the new site) or email directly at [ccsc-cccs@ec.gc.ca](mailto:ccsc-cccs@ec.gc.ca).