

An aerial photograph of the Vancouver waterfront, featuring the Robson Square development and a marina filled with boats. The image is overlaid with a semi-transparent teal filter. The text 'BC | Climate Resilience Summit 2026' is centered over the image. 'BC' is in yellow, 'Climate Resilience' is in white, and 'Summit 2026' is in yellow.

# BC | Climate Resilience Summit 2026

Vancouver, Robson Square | March 2-3

# Wildfire

- Wildfire activity has increased in Canada over the past few decades due to climate change
- Projections indicate fire seasons will lengthen, and fire weather conditions will worsen in most Canadian regions
- Warmer and drier conditions are associated with increased frequency and intensity of fires in locations with ignition and fuel

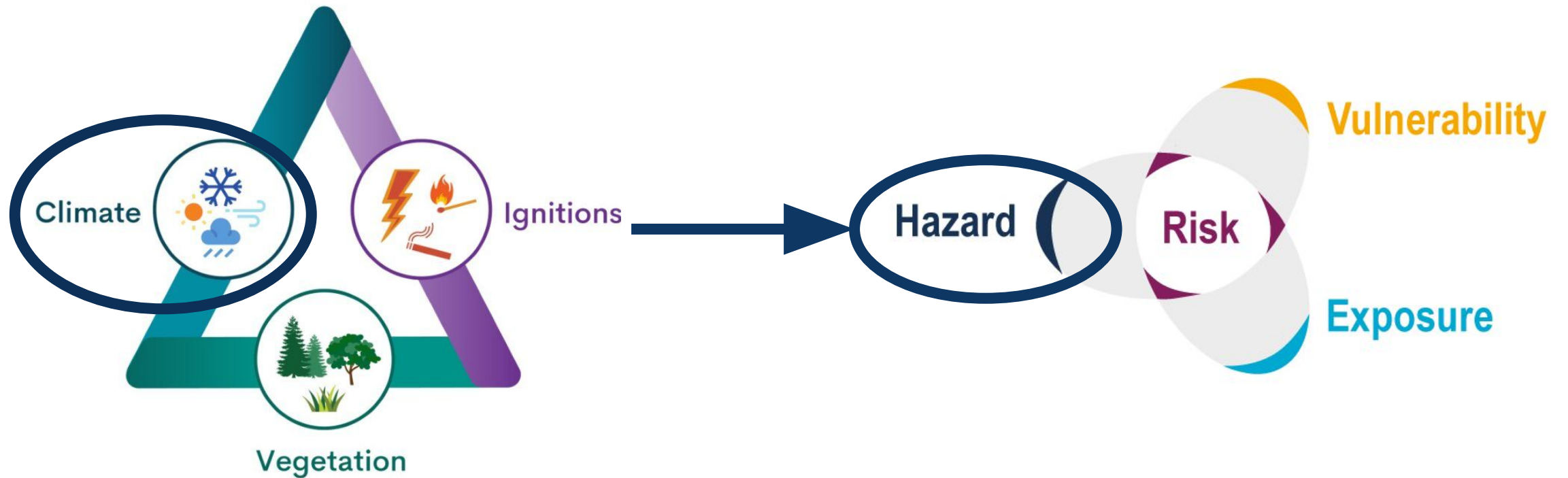


Source: B.C. Wildfire Service

# Canadians have many questions



# Fire Weather



# Fire Weather Projections App on ClimateData.ca

- Growing need for accessible and practical fire weather projections
- App provides long-term projections of fire season length and severity
- Leverages regional climate model projections to show potential long-term changes in future fire weather for most regions in Canada
- [climatedata.ca/fire-weather/](https://climatedata.ca/fire-weather/)



# Fire Weather Projections App on ClimateData.ca

Location ▾ Variable ▾ Sector ▾ Analyze Download Apps Learn News

Quick Start: Climate Change and Wildfire

Deep Dive: Advanced Fire Weather Projections

Guidance: Learn More

Quick Start: Climate Change and Wildfire

Deep Dive: Advanced Fire Weather Projections

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# Quick Start: Climate Change and Wildfire

Getting started | **Fire season length** | Fire weather severity | Fire weather frequency

## Fire season length

The fire season is the period of the year when the weather is warm enough to support wildfire growth and spread. These maps show fire season length for one historical period (1971–2000) and one future period (2041–2070), under a high greenhouse gas emissions scenario (RCP8.5).

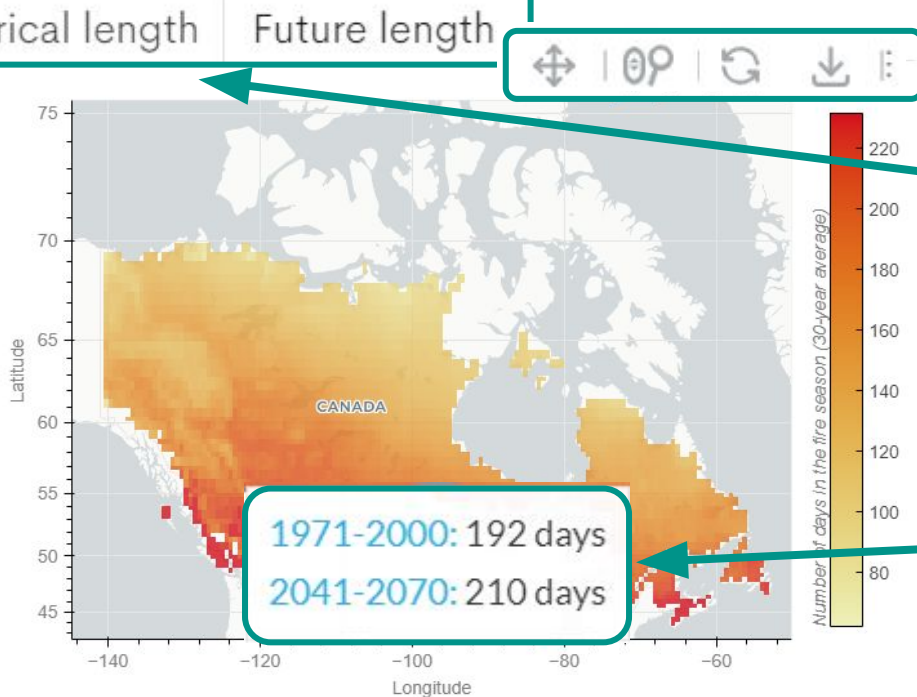
Use the Pan, Wheel Zoom, and Reset controls in the top right corner of the map to explore this information for

Guides users to consider climate-related changes to fire weather:

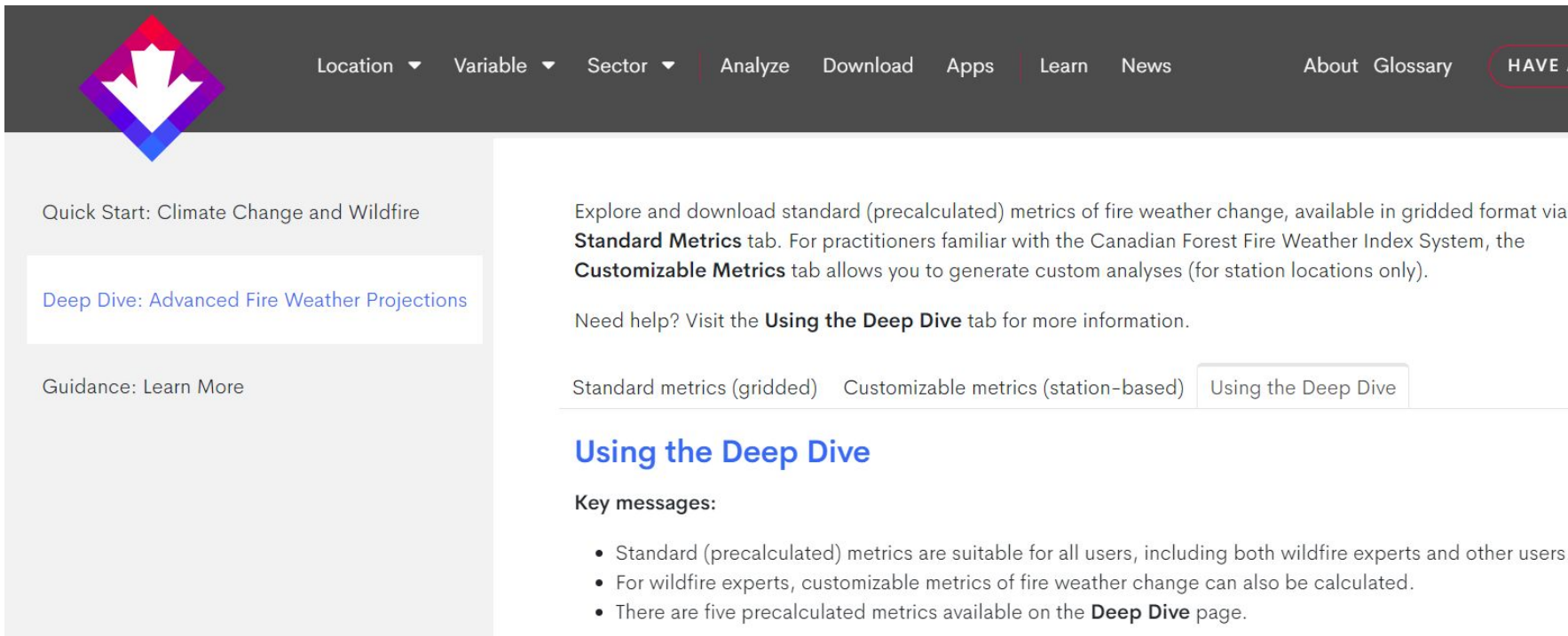
- severity
- frequency
- duration

Visualizes historical and future maps

Supports map interactivity



# Deep Dive: Advanced Fire Projections



The screenshot shows the top navigation bar with a Canadian flag logo, dropdown menus for Location, Variable, and Sector, and links for Analyze, Download, Apps, Learn, News, About, and Glossary. A 'HAVE A' button is partially visible. On the left sidebar, there are links for 'Quick Start: Climate Change and Wildfire', 'Deep Dive: Advanced Fire Weather Projections', and 'Guidance: Learn More'. The main content area features a description of standard and customizable metrics, a help link, and a 'Using the Deep Dive' section with key messages.

Location ▾ Variable ▾ Sector ▾ | Analyze Download Apps | Learn News About Glossary **HAVE A**

Quick Start: Climate Change and Wildfire

[Deep Dive: Advanced Fire Weather Projections](#)

Guidance: Learn More

Explore and download standard (precalculated) metrics of fire weather change, available in gridded format via the **Standard Metrics** tab. For practitioners familiar with the Canadian Forest Fire Weather Index System, the **Customizable Metrics** tab allows you to generate custom analyses (for station locations only).

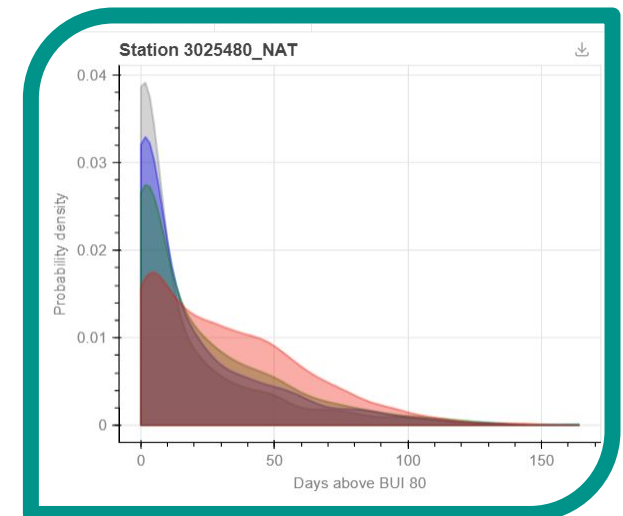
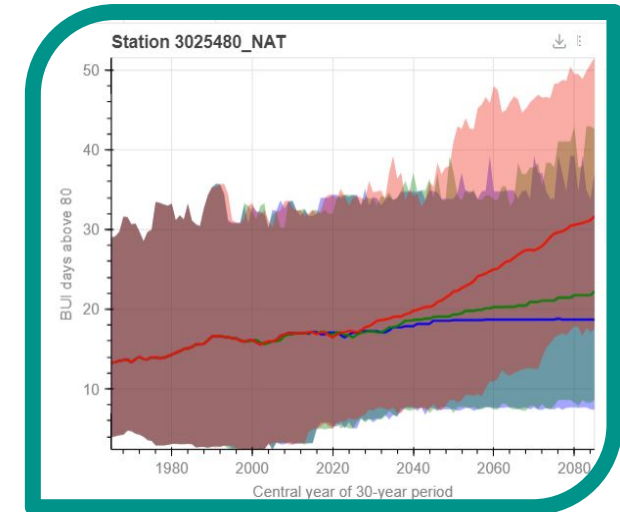
Need help? Visit the **Using the Deep Dive** tab for more information.

Standard metrics (gridded) Customizable metrics (station-based) **Using the Deep Dive**


### Using the Deep Dive

**Key messages:**

- Standard (precalculated) metrics are suitable for all users, including both wildfire experts and other users.
- For wildfire experts, customizable metrics of fire weather change can also be calculated.
- There are five precalculated metrics available on the **Deep Dive** page.



# Guidance: Learn More



Location ▾ Variable ▾ Sector ▾ | Analyze Download Apps | Learn News About

Quick Start: Climate Change and Wildfire

Deep Dive: Advanced Fire Weather Projections

**Guidance: Learn More**

Fire weather and climate change basics | Interpreting fire weather projections | Technical information

## Fire weather and climate change basics

**Key messages:**

- Climate change has already impacted wildfire activity (wildfire frequency and severity) in Canada and will continue to do so.
- Wildfire frequency and severity are largely determined by weather conditions, available fuel (vegetation), and ignition sources.
- The Canadian Forest Fire Weather Index (FWI) System is used to understand the effects of weather on fire danger.
- This app presents future fire weather projections based on the FWI System under a changing climate.

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