



United Nations  
Convention to Combat  
Desertification



G20 GLOBAL  
LAND INITIATIVE

# Canada



# Overview

## Background

Canada has a large landmass, with a low population density - a country of physical extremes and contrasts, spanning 41 degrees of latitude and 88 degrees of longitude. Its surface area is 9,984,670 km<sup>2</sup>, with land accounting for 9,093,507 km<sup>2</sup> and freshwater accounting for 891,163 km<sup>2</sup>. The country extends 5,300 kilometers east to west and is the second largest country in the world and encompasses six time zones. Canada's population is 36.3 million, up from 27.7 million in 1990, maintaining the fastest growth amongst G7 countries with an average annual population growth rate at 1% from 2011 to 2016. Canada also has the longest coastline of any country, spanning 243,042 kilometers. Canada's economy is primarily driven by the services sector, comprising 70% of GDP in 2016. Goods-producing industries, led by manufacturing, mining and oil and gas, and construction, comprise the remaining 30%. Canada also has a resource-based economy and

has seen sustained economic growth relative to other OECD countries. Canada is net exporter of energy and has an energy intensive industrial sector.

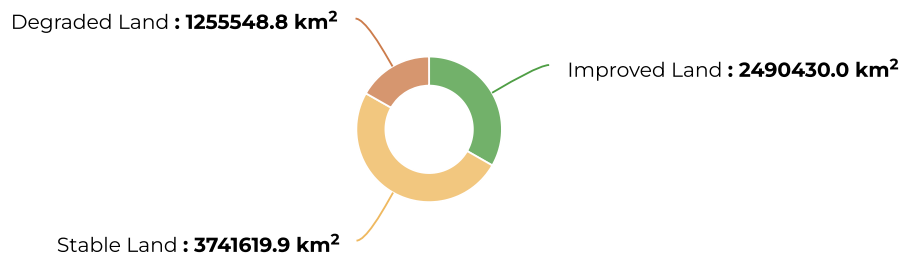
As part of its efforts to implement its NDC (2017), Canada adopted the Pan-Canadian Framework on Clean Growth and Climate Change on December 9, 2016. The Framework is a comprehensive plan to reduce emissions across all sectors of the economy, accelerate clean economic growth, and build resilience to the impacts of climate change. Canada will also pursue measures to build resilience through infrastructure, including climate-resilient standards and the development of a fund for built and natural, large-scale infrastructure projects to improve resilience to natural disasters, extreme weather events and climate resilience. The country will also develop a national plan to respond to the range of health risks caused by climate change, including extreme heat and infectious diseases.

Credits: [World Bank](#)

# Summary Chart

## Current State

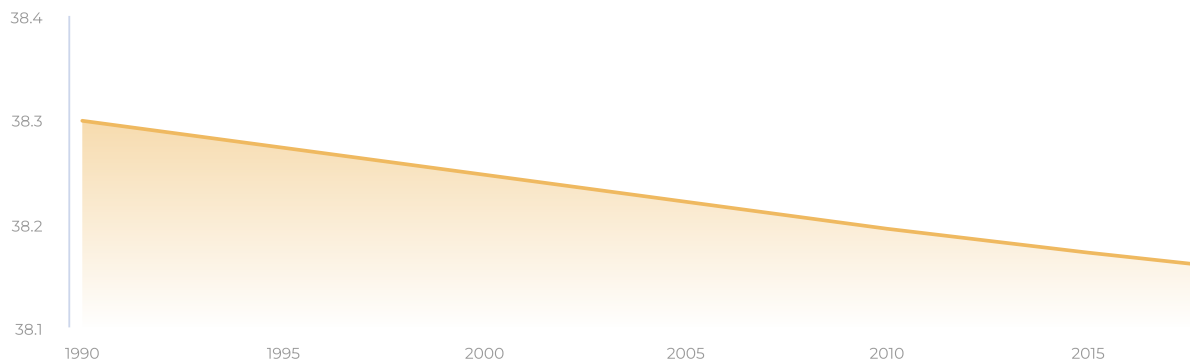
Land degradation between 2001 and 2015 - SDG 15.3.1 (km<sup>2</sup>)



Forest area

**38.2 % land**

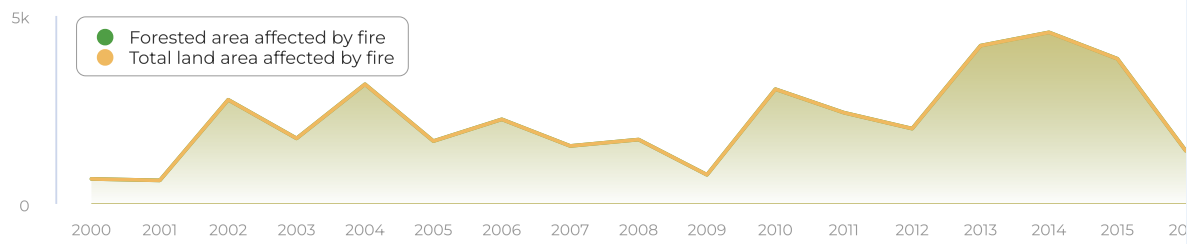
-0.1 % change over last 10 years





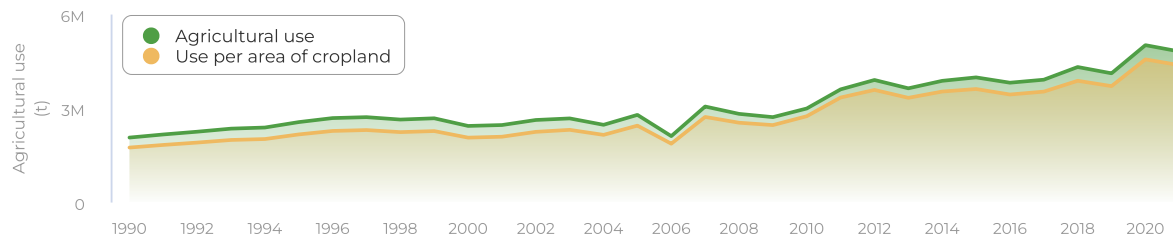
# Stressors

### Area affected by wildfires (kha)



Credits: FAO

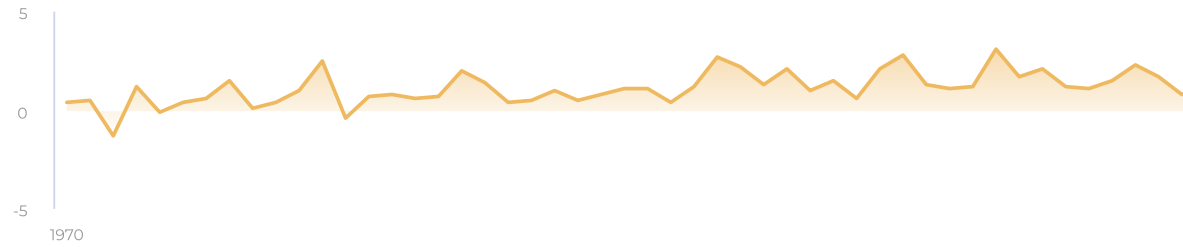
### Use of nutrients



Credits: FAO

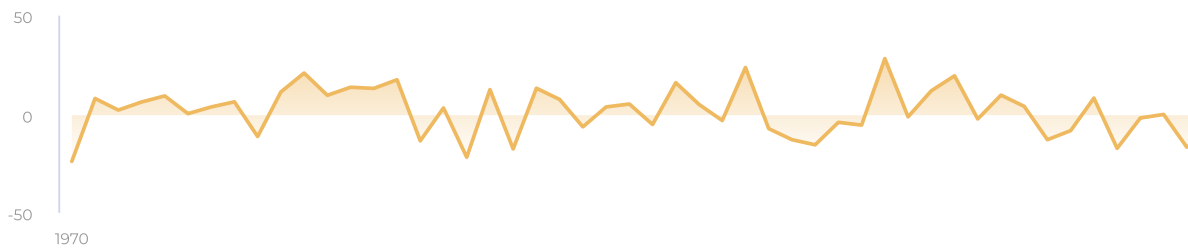
# Trends

### Annual temperature anomalies against 1901-1920 (°C)



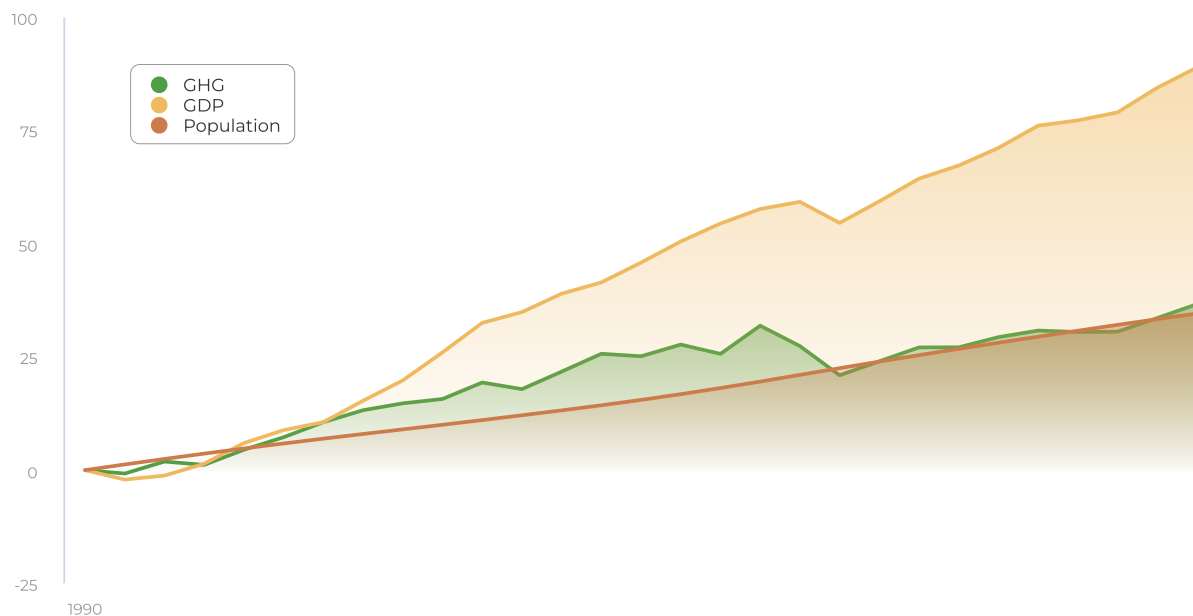
Credits: Climatic Research Unit (University of East Anglia) and Met Office

### Annual precipitation anomalies against 1901-1920 (mm)

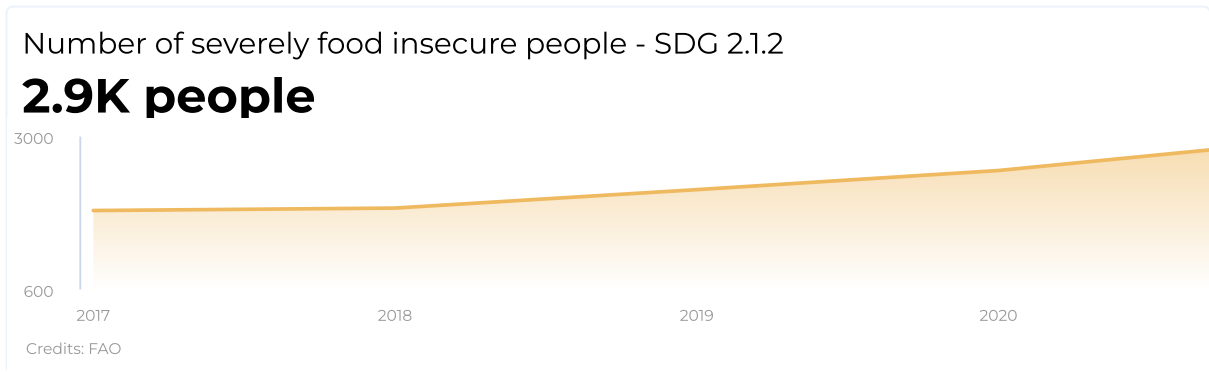
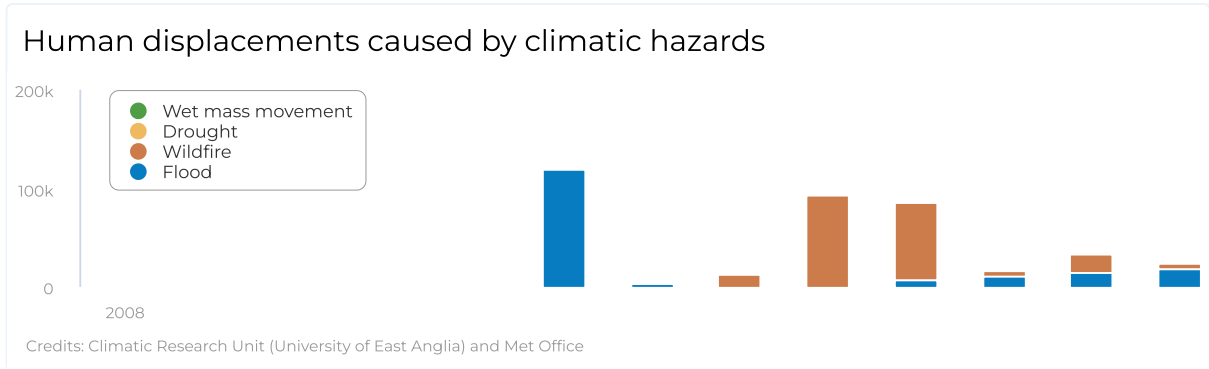


Credits: Climatic Research Unit (University of East Anglia) and Met Office

### Population / Gross domestic product / Greenhouse Gases - change in % since 1990



# ↗ Impacts



# 💡 Solutions

Proportion of terrestrial protected areas

**12.8 % of total land area**

2024

Credits: UNEP-WCMC

Official Development Assistance flows

Biodiversity sector (million USD)



Credits: OECD

# Commitments

**No data  
available**

## **LDN**

Land Degradation Neutrality

**No data  
available**

## **NBSAP**

National Biodiversity Strategies and Action Plans under the Convention on Biological Diversity

**No data  
available**

## **NDC**

Nationally Determined Contributions embody efforts by each country to reduce national emissions and adapt to the impacts of climate change.

**No data  
available**

## **Bonn Challenge**

Bring 150 million hectares of degraded and deforested landscapes into restoration by 2020 and 350 million hectares by 2030



# Treaties

Treaty	Signature	Ratification	Party status
Minamata Convention on Mercury	2013-10-10	2017-04-07	Ratification
United Nations Convention to Combat Desertification		2016-12-21	Accession
Paris Agreement	2016-04-22	2016-10-05	Ratification
Kyoto Protocol	1998-04-29	2002-12-17	Ratification
Rotterdam Convention		2002-08-26	Accession
International Treaty on Plant Genetic Resources for Food and Agriculture	2002-06-10	2002-06-10	Ratification
Stockholm Convention	2001-05-23	2001-05-23	Ratification
Convention on Biological Diversity	1992-06-11	1992-12-04	Ratification
United Nations Framework Convention on Climate Change	1992-06-12	1992-12-04	Ratification
Basel Convention	1989-03-22	1992-08-28	Ratification
Convention on Long-range Transboundary Air Pollution	1979-11-13	1981-12-15	Ratification
Ramsar Convention	1981-05-15	1981-01-15	Ratification
Convention on International Trade in Endangered Species of Wild Fauna and Flora	1975-07-09	1975-04-10	Ratification
Cartagena Protocol	2001-04-19		Signatory
Convention on the Transboundary Effects of Industrial Accidents	1992-03-18		Signatory

