

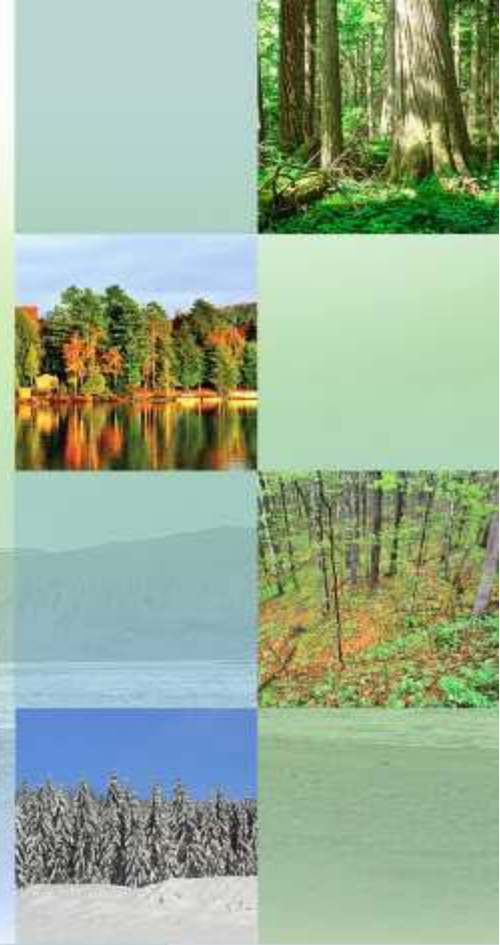


Food and Agriculture
Organization of the
United Nations

The Canadian Forest Service: Country Report

*North American Forest Commission – 31st Session
November 17th, 2021
Virtual*

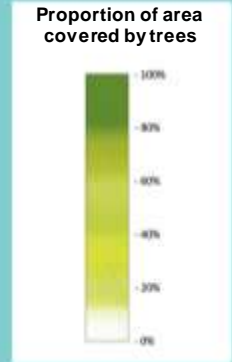
*Beth MacNeil
Assistant Deputy Minister
Canadian Forest Service*



Canada

Forested land in Canada

Canada has over 347 million hectares of forest land



0 125 250 375 500 625 750 875 1000 Kilometers

**Canada's forest area
has been quite stable over
the past 25 years – decreasing
by less than 0.5%**



Canada has **9%**
of the world's forests.



About **270 million ha.**
or 78%, of Canada's forests are
located in the boreal zone.



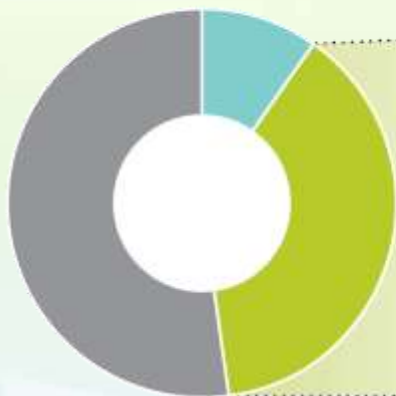
Forests cover **38%**
of Canada's land area.






With 347 million hectares of forest, Canada is the third-most forested country in the world.

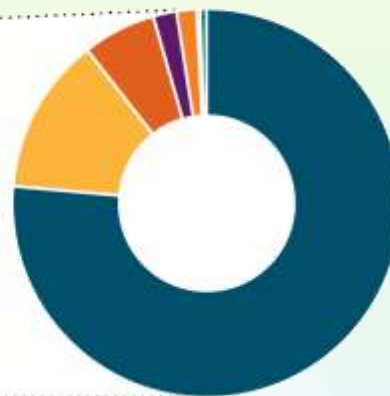
Most of Canada's forest is publicly owned








How much of Canada is forest?



	Freshwater area	9%
	Forest area	35%
	Non forest land	56%

Who owns Canada's forests?



	Provincial	76.6%		Federal	1.6%
	Territorial	12.9%		Municipal	0.3%
	Private	6.2%		Other	0.4%
	Indigenous	2.0%			

Federal and Provincial Jurisdiction

FEDERAL GOVERNMENT

- International trade and relations
- National policy and regulatory framework
- Indigenous and Northern Affairs
- Management of federal lands
- National reporting

SHARED

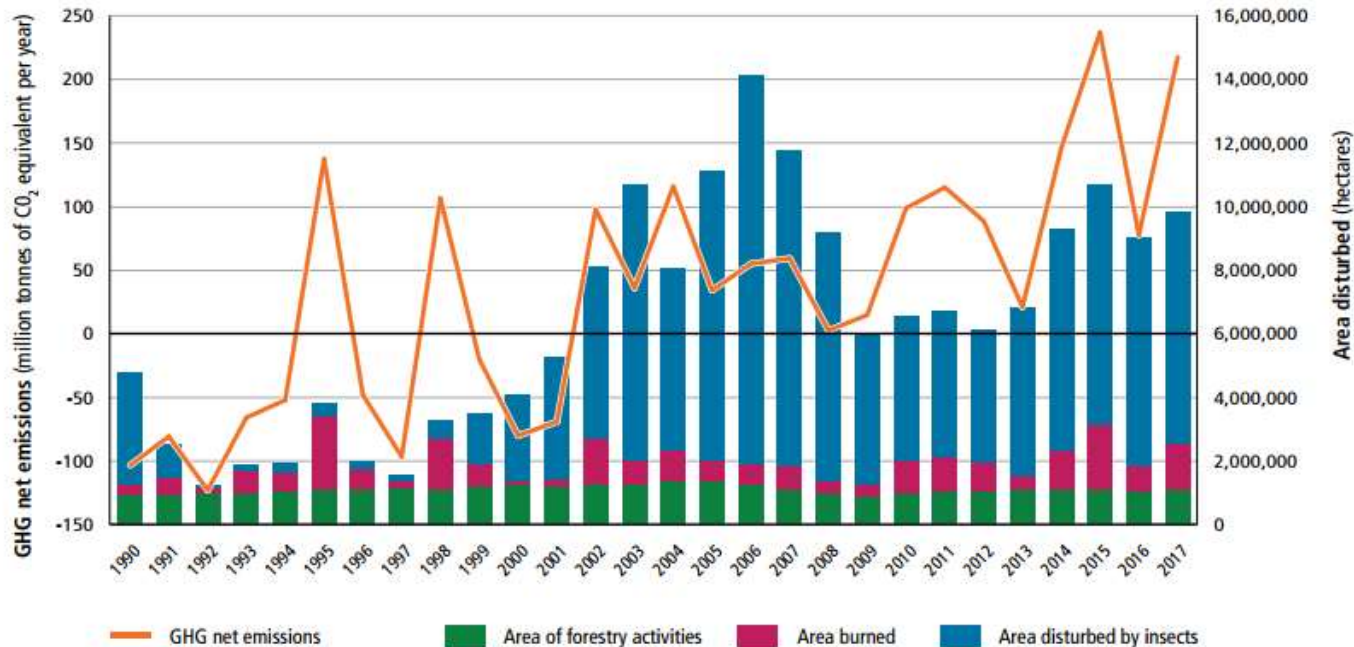
- Science and technology
- Environmental regulation

PROVINCIAL & TERRITORIAL

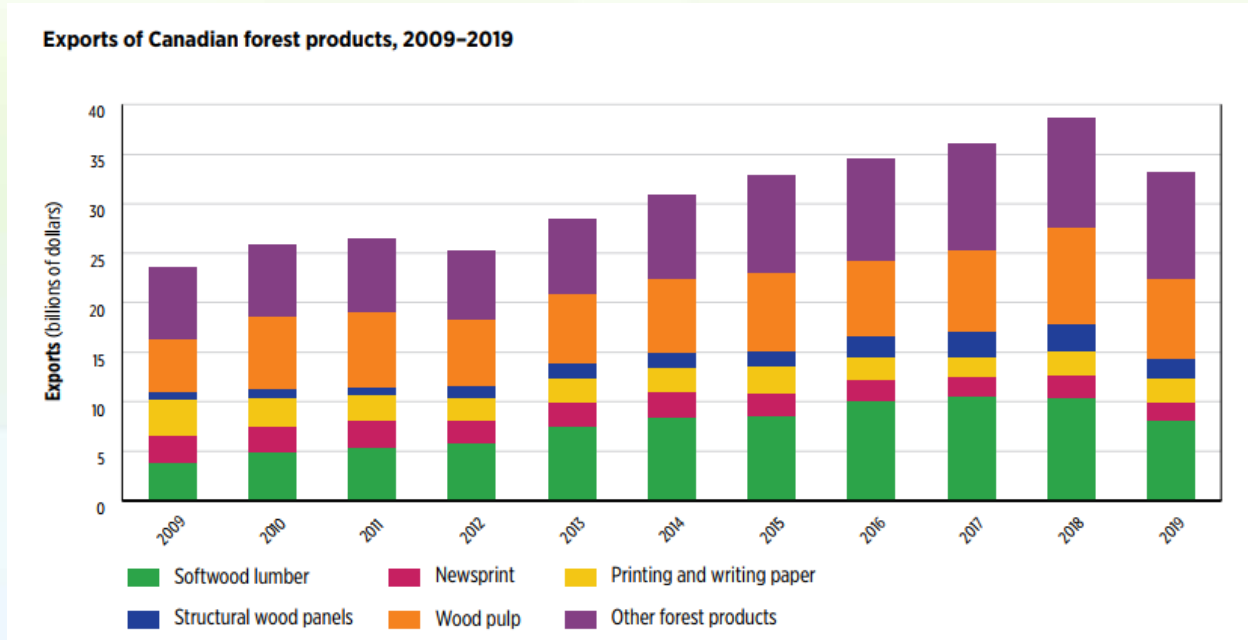
- Own & manage 90% of Canada's forests
- Fight wildland fire
- Develop legislation, regulations and policies
- Allocate timber licenses
- Collect stumpage fees
- Collect data

Natural disturbances play an important role in Canada's forest ecosystems

What's the leading cause of disturbance in Canada's forests?



Lumber and pulp are still important, but, non-traditional forest products, such as advanced bioproducts, are growing in importance



Canada's forest industry is the source of thousands of well-paying jobs and supports a diverse workforce



In 2018, the forest sector directly employed
204,555 people.



In 2019, Canada's forest sector contributed
\$23.7 billion
to Canada's nominal GDP.



According to the last census (2016), over
70% of Indigenous people in Canada live in or near forests.

Who works where in the forestry sector?



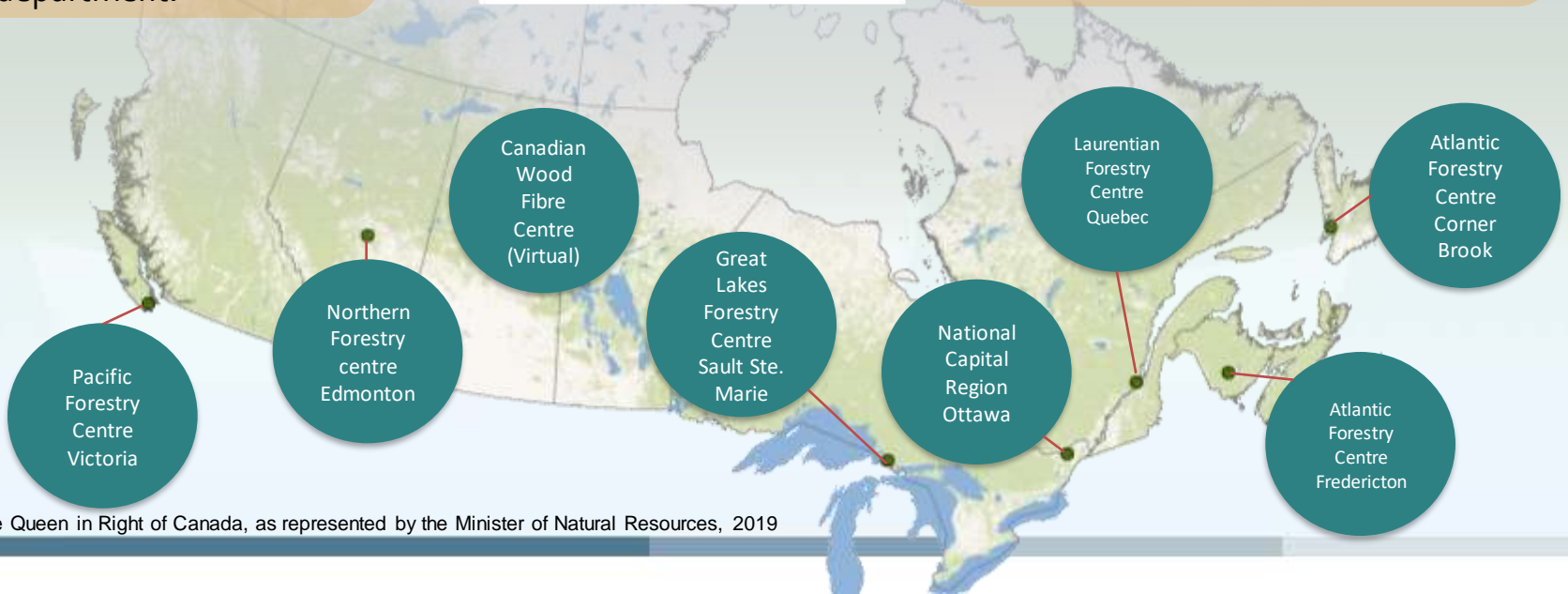
Forestry and logging	17%	Support activities for forestry	7%
Wood product manufacturing	48%	Paper manufacturing	28%

Canadian Forest Service

The Dominion Forest service was established in 1899 - now part of Natural Resources Canada - a science-based economic department.



The CFS is a national network of regional centres, built on over a century of science, working to advance your issues.



Dept of Natural Resources: Canadian Forest Service (CFS)¹⁰

Vision: An innovative, globally competitive forest sector rooted in sustainable forests creating prosperity for Canadians.

Strategic Priorities: Support forest sector competitiveness, optimize forest value, advance environmental leadership.

A Competitive Forest Industry

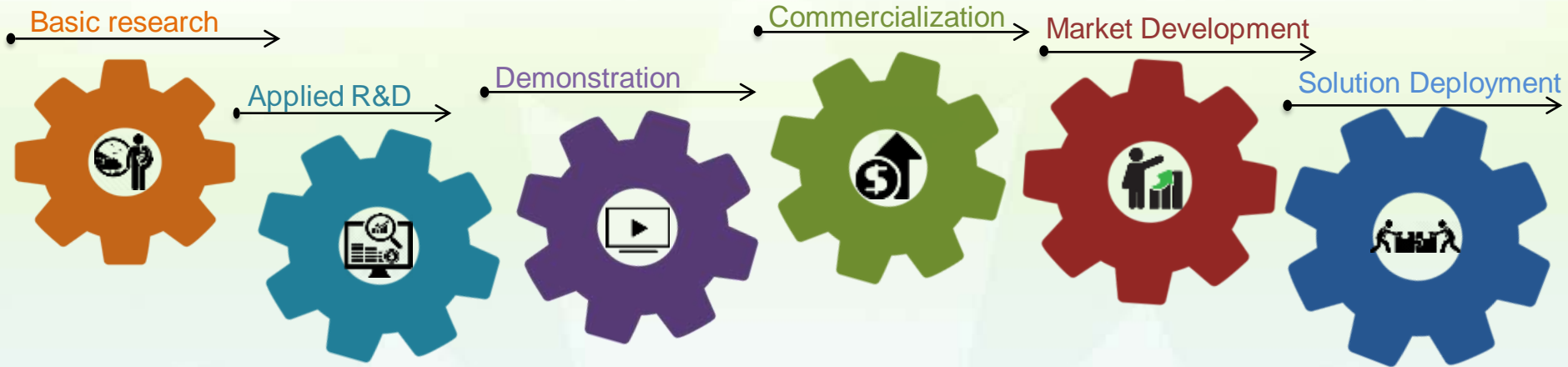
CFS supports innovation (e.g., new products, applications and technologies for efficiency) and promotes/expands markets to increase competitiveness.

Sustainable Forests

CFS is an important provider of forest science on topics including sustainability, fire, pests, carbon, and climate change.



NRCan-CFS: From basic research to solution deployment



Forest Science

CFS has seven program areas that provide information to support and enhance the sustainability of Canada's forests and forest sector



A scenic landscape photograph showing a vast, dense forest of evergreen trees covering a valley. In the foreground, a river or stream flows through the lower part of the frame. The background features rolling mountains under a clear sky. The text "Forest Sector Update" is overlaid in the center of the image.

Forest Sector Update

COVID-19

- Forestry declared an essential service
- Enacted Forest Sector Safety Measures Fund
- Able to carry out field research this summer
- Tree planting gone through two successful seasons
- Slow return to work – likely permanently changed the way we work (from home options)



Wildland Fire

- Understanding fire behaviour, fuel management, fire occurrence patterns, improve awareness, decision making tools
- Strengthen and expand international partnerships to share wildland fire information, approaches, and resources
 - 2021 deployments from Mexico (202) Australia (55), and South Africa (109)
 - International deployments made up 38% of personnel days in 2018
- Outlining priority actions required to improve prevention, mitigation and response
 - Report endorsed by Canada's Forest Ministers, February 2019



Forest Pests


- Fighting the spread of the mountain pine beetle, spruce budworm, and invasive species of concern in rural and urban forests.
- Providing science solutions to help forest managers and communities understand, detect, and monitor pests, as well as develop responses to limit the damage caused by such pests in Canada.
- Providing science-based advice that addresses forest pest issues in international trade, in collaboration with the Canadian Food Inspection Agency (CFIA) and the forest industry.



Climate change

- Support for nature-based climate solutions
- Understanding the impacts of climate change on natural disturbances
- Demonstrate the role of forests within the Pan-Canadian Framework on Clean Growth and Climate Change
- Supporting Canada's international negotiations on forests and climate change





Nature-based Climate Solutions

Planting Two Billion Trees – a Federal Commitment

The 2019 Speech from the Throne pledged to “use nature-based solutions to fight climate change – including planting two billion trees to clean the air and make our communities greener.”



2 Billion Trees Program (2BT): Part of Broader Climate Initiatives

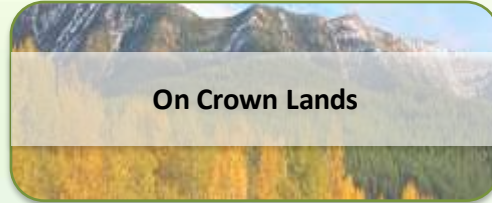
- *Canada's Strengthened Climate Plan* includes a suite of climate change initiatives.
- Natural Climate Solutions Fund - an \$4B umbrella initiative for 2BT and other nature-based federal programming
 - Nature-Based Solutions Advisory Committee provides guidance for programs, with external experts on nature-based solutions, including Indigenous Knowledge Keepers



2BT: Tree Planting through Partnerships



Supporting tree planting through partnerships



Estimate & report GHG impacts of planting two billion trees



Advancing science for improved planting outcomes

2BT: Implementation Through a Phased Approach



For more information

- Thank-you / Merci / Gracias
- Download *The State of Canada's Forests Annual Report 2020*:
<http://cfs.nrcan.gc.ca/stateoftheforests>
- Follow us on Twitter: @NRCan

