

Sustainable Forestry: Adapting to Change Infographic



SUSTAINABLE FORESTRY: ADAPTING TO CHANGE

Key facts and figures about Canada's forests and forest sector



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.

Canada's forests are important to Canadians, the economy and the environment



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.



Canada's boreal wetlands represent nearly **20%** of the world's wetlands.

Canada's forests are managed sustainably for future generations

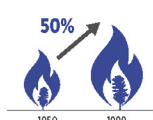
200 million ha of forest in Canada have a long-term forest management plan (2016).

Canada has **168 million ha** of forest certified to third-party standards of sustainable forest management (2019).

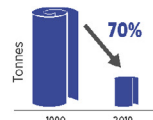
77% of Canada's managed Crown forest land is certified to third-party standards of sustainable forest management.

By law, all forests harvested on public lands must be regenerated.

Canada's forests and the forest sector are changing



Between 1950 and 1999, the area burned annually in the North American boreal zone more than **doubled**.



In Canada, newsprint production **declined 70%** from 9 million tonnes in 1990 to 2.7 million tonnes in 2019, because of increased global competition from other low-cost producers and the increase of digital media.



Advanced bio-based products are expected to make up **50%** of consumer products by 2050.

Canada's forest sector is adapting to change

	Area (ha)	Percent of forest area (%)
Area affected by insect (2018)	16,391,000	4.7%
Area burned (2019)	1,843,000	0.5%
Area harvested (2018)	748,000	0.2%
Area deforested (2018)	34,000	0.01%



New technology: In 2025, Canada will launch WildfireSat, a satellite built specifically to monitor wildfires.



New management strategies: Foresters are starting to replant harvested sites with trees better adapted to future climate conditions.

Canada's forest sector supports the transition toward net-zero emissions



New techniques: Mass timber is an innovative low-carbon, sustainable building material that allows the construction of taller and larger buildings.



New products: Forest biomass is refined into advanced biomaterials and biochemicals for use in health care, pharmaceutical, food and packaging applications. It could be the rayon shirt you are wearing, the compostable container for your take-out food, or one of your ice cream ingredients.



New energy: Forest biomass is the second-largest source of renewable energy after hydroelectricity, providing both heat and electricity to industry and communities (2017).

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Source: NRCAN

www.nrcan.gc.ca/sites/nrcan/files/forest/sof2020/infographic/Key_facts_infographic2020_EN_Ig.jpg