**INFORMATION ON THE COMPLETED PROJECT
CONTRIBUTION AGREEMENT**

Chemical Characterization and Enhanced Forest Inventory

Currently, no quality database exists containing the chemical characteristics of dominant tree species in Canada. Likewise, no tool links this information to the age, structure and location of forests across the country.

PROJECT TITLE
Linking chemical characterization to the Enhanced Forest Inventory (EFI)

ORGANIZATION
Queen's University

CONTACT
Dr. Warren Mabee, Professor
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START DATE
April 1, 2020

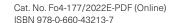**END DATE**
March 31, 2023

COLLABORATORS
Dr. Nathan Manion, Postdoctoral Fellow, Queen's University

Professor Warren Mabee and his team's project will address this issue. They are creating a user-friendly application which will link information about the chemical attributes of trees and stands to the digital systems foresters use to take stock of their resources: EFI systems.

They will develop a method to derive the chemical characteristics of wood fibre from information on individual trees and stands in an EFI system. They will consult research and industry stakeholders to ensure its application will best meet their needs.

They hope to empower users with needed information about their forests. Their application aims to allow forest managers to reduce costs, lessen environmental impacts and improve efficiency. Most importantly, the application will help forest managers streamline their role in Canada's development of greener alternatives for products such as fuel, polymers, chemicals and pharmaceuticals.

Linking chemistry data to EFI systems will support Canada's position as a leader in the global transition to a green economy. Professor Mabee and his team's application will provide critical information to researchers and forest industry members adopting eco-friendly economic practices to reduce Canada's overall fossil fuel dependence.

Canada