

# Canadian Biomass Innovation Network (CBIN)



## Vision

*To develop or promote the development of knowledge, technology and policy to enable optimal and sustainable use of our bioresources for energy and bioproducts, environmental protection, economic growth and social benefit in support of national priorities and in alignment with international directions.*

## Community

The Canadian Biomass Innovation Network (CBIN) is a network of federal researchers, program managers, policy makers and expert advisors partnered with industry, academia, non-governmental organizations, other government levels and the international community. The Network's goal is to continually ensure the availability of knowledge, technology and enabling policy required to support the development of a sustainable Canadian bioeconomy. CBIN also coordinates, plans and manages bioenergy, bioproducts and sustainability related Research, Development and Demonstration (RD&D) across the Federal Government.

## Objectives

To make and promote strategic RD&D investments which advance the development and commercial application of bioenergy, biofuels and industrial bioproducts for Greenhouse Gas (GHG) emissions reduction.

To contribute data, analysis and strategic thinking for the development of policies enabling a sustainable Canadian bioeconomy.

To support the development of world-class expertise to meet the technology needs of the Canadian bioeconomy.

## RD&D Activities

### Sustainable Feedstocks

Improve the economic availability of a sustainable biomass supply from forestry, agriculture, municipal and aquatic sources by: developing and optimizing

the use of existing, improved and new feedstocks, harvest/collection systems and supply logistics; and providing an inventory and analysis of Canadian biomass supply potential for bioconversion activities.

### Biomass Conversion

Develop economically viable thermochemical, biochemical and physical-chemical technologies and systems to convert sustainably available biomass into biomass-derived bioproducts for energy, fuels, chemicals and materials.

### Bioplexes and Biorefineries

Evaluate and develop the value chain from feedstock through conversion processes to end products to identify and encourage emerging bioeconomy opportunities.

### Governance, Sustainability and Performance Measurement Tools

Develop, improve and use appropriate analytical tools to evaluate the environmental impact, sustainability and economic performance of biomass-based or -enhanced value chains.

## Participating Federal Departments and Agencies

*Agriculture and Agri-Food Canada (AAFC), Canadian Food Inspection Agency (CFIA), Environment Canada (EC), Fisheries and Oceans Canada (DFO), Foreign Affairs and International Trade Canada (DFAIT), Health Canada (HC), Industry Canada (IC), National Research Council Canada (NRC), Natural Resources Canada (NRCan) and Natural Sciences and Engineering Research Council of Canada (NSERC)*

For more information about the Canadian Biomass Innovation Network, please visit our website or contact us by e-mail:

[www.cbin.gc.ca](http://www.cbin.gc.ca)

[cbn@nrcan.gc.ca](mailto:cbn@nrcan.gc.ca)