



“Ocean, Forest & Field – the Bioenergy Playground”

Biography: Ms. Josée Landry, CCNB BioRefinery Scale-Up Centre

Josée Landry is the operations manager of the Biorefinery Technology Scale-up Centre and of the Eastern Canada Soil & Water Conservation Centre, located in Grand Falls, New Brunswick. These two applied research centres are components of the Collège communautaire du Nouveau-Brunswick (CCNB). Josée Landry holds a B.Sc. in microbiology and a M.Sc. in plant biology from Université Laval, Québec.

In 2010, the CCNB received a five-year, \$2.3 million CCI-IE grant from the Natural Sciences and Engineering Research Council of Canada to set up a Biorefinery Technology Scale-up Centre (BTSC). The college further leveraged another \$2.1 million in financial support from the New Brunswick Economic Development Department, New Brunswick Department of Energy and Atlantic Canada Opportunities Agency, to purchase fixed and mobile equipments for pilot scale processes.

The team uses microbial fermentation, enzymatic hydrolysis, bio-separation and chemical process technologies to produce high value-added industrial bioproducts (including bioethanol, biogas and biodiesel) from agricultural, forest and marine biomasses as well as from some industrial and municipal wastes. The centre gives companies as well as college and university researchers, the opportunity to test their product or process at near-production scale, thus validating their technologies before undertaking commercial production or negotiating the value of their technology with a licensee.