



Atlantic Innovation Fund

# New Brunswick

## \$190.4 million

Announced AIF Investments in New Brunswick since 2001

## \$358.8 million

Total overall value of projects in New Brunswick since 2001

The Atlantic Canada Opportunities Agency (ACOA) works to enhance Atlantic Canada's ability to carry out leading-edge R&D and bring new knowledge, new jobs and new business opportunities to the region. Launched in 2001, the Atlantic Innovation Fund (AIF) has evolved into one of ACOA's core funding programs that is helping Atlantic Canadians be more **innovative and competitive** in a **global knowledge-based economy** through the development of new ideas, products, businesses and markets.

### AIF Investments in New Brunswick, by sectors:

1   Manufacturing and Processing	30.0%
2   Information and Communications Technologies	28.6%
3   Aquaculture	12.9%
4   Health and Medical	10.7%
5   Energy	8.1%
6   Biotechnology	7.5%
7   Environment	2.1%
8   Other	0.2%

## Over 140\*

Partnerships enabled

## Over 400\*

Highly qualified personnel hired/retained

## \$168.4 million

Funds leveraged by AIF projects in New Brunswick since 2001

## Over 35\*

New products commercialized

## \$4 million\*

Revenues generated from new products/technologies

\*Between 2002 and 2007

For more information, visit  
[www.acoa-apec.gc.ca/aif](http://www.acoa-apec.gc.ca/aif)



Atlantic Canada  
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# Impacts and Investments

## Using biopesticides to protect forests in NB and beyond

Protecting millions of trees from the devastating impacts of forest pests while meeting strict environmental standards poses significant challenges, but an innovative New Brunswick company is up to the task.

Thanks to the support of the Atlantic Innovation Fund (AIF), Forest Protection Limited (FPL) is developing new “green” pesticides and creating more eco-friendly and efficient aerial spray technologies to deliver them.

The AIF contributed **\$3 million** toward the **\$7.8 million** research project to improve spray technologies and develop environmentally sound biological control products for forest insect pests. Part of the project involved making enhancements to the H.J. Irving – J.J.C. Picot Wind Tunnel, considered to be among the best in the world, and resulted in the development of a unique Aerial Spray Management System, which links spray optimization and aircraft guidance software.

**Related website:** [www.forestprotectionlimited.com](http://www.forestprotectionlimited.com)

## Innovative applications of R&D

The Université de Moncton’s Thin Films and Photonics Research Group (GCMP) is internationally known for its contributions to research in the fields of photonics, optics and thin films.

A project funded by the Atlantic Innovation Fund (AIF) led to the development of very thin films for various commercial applications (such as infrared detectors used in military reconnaissance activities) as well as highly specialized instruments for remote use and use in space.

The GCMP’s work caught the eye of the Canadian Space Agency (CSA), which asked the group to develop thin films on larger surfaces for their satellites. The group also worked with NASA on the growth of thin films in space and the development of related instruments and software on board the Discovery space shuttle.

Another AIF project enabled the GCMP to continue its research and development regarding thin films to develop smart windows that control the heat and light that can penetrate. AIF investments in the two R&D projects totalled **\$6.6 million**, with overall project costs totalling more than **\$9.1 million**.

**Related website:** [www.umoncton.ca](http://www.umoncton.ca)

**“NPVs (baculoviruses) have no detrimental impacts on the environment and non-target pests. These bio-control agents are really the future in pest control.”**

**Dr. Chris Lucarotti**

Research Scientist  
Canadian Forest Service-Atlantic Forestry  
Center

**“This is an important innovation for a country like Canada in order to reduce the energy costs associated with heating in the winter and cooling in the summer.”**

**Dr. Pandurang Ashrit**

Director  
GCMP



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