



**Atlantic Canada Aquaculture Industry
Research & Development Network**

ACAIRDN

Summary of Research and Development Aquaculture Funding Programs

Prepared by:

**Atlantic Canadian Aquaculture Research
and Development Network (ACAIRDN)**

**Current Revision:
Previous Version:**

**September 30, 2007
March 09, 2007**

TABLE OF CONTENTS

Introduction.....	4
<i>Document Location and Revisions.....</i>	<i>5</i>
Federal Programs.....	6
<i>National Research Council Canada Industrial Research Assistance Program (NRC–IRAP).....</i>	<i>6</i>
<i>ACRDP (Aquaculture Collaborative Research and Development Program) - DFO</i>	<i>7</i>
<i>Sustainable Development Technology Canada</i>	<i>8</i>
<i>(SR&ED) Scientific Research and Experimental Development Tax Incentive Program (Canada Revenue Agency)</i>	<i>9</i>
<i>NSERC (Natural Sciences and Engineering Research Council of Canada).....</i>	<i>11</i>
Collaborative Research and Development (CRD) Grants	11
Idea to Innovation (I2I) Program	11
<i>Youth Employment Strategy Programs – HRSDC.....</i>	<i>12</i>
Career Focus	12
Skills Link	12
Summer Work Experience	12
<i>IASPP - Invasive Alien Species Partnership Program, Environment Canada</i>	<i>13</i>
<i>SSHRC (Social Sciences and Humanities Research Council of Canada).....</i>	<i>14</i>
Regional Programs.....	15
<i>ACOA (Atlantic Canada Opportunities Agency).....</i>	<i>15</i>
Atlantic Innovation Fund.....	15
Small Business Financing Programs	16
Community Development.....	17
Other Financing Programs.....	17
<i>Community Based Development Corporations (CBDC)</i>	<i>18</i>
<i>CCFI (Canadian Centre for Fisheries Innovation).....</i>	<i>19</i>
<i>WD (Western Economic Diversification Canada).....</i>	<i>20</i>
Provincial Programs.....	21
<i>New Brunswick.....</i>	<i>21</i>
Total Development Fund NB Department of Agriculture and Aquaculture (NB DAA)	21
New Brunswick Environmental Trust Fund	22
Business New Brunswick Loans and Loan Guarantees for Aquaculture	23
New Brunswick R&D Tax Credit	24

Research and Development Agencies Available to the
Canadian Aquaculture Industry

NB Innovation Fund	25
Department of Post-Secondary Education, Training and Labour	26
<i>Prince Edward Island</i>	27
PEI Atlantic Shrimp Corp.	27
AFRI (Aquaculture and Fisheries Research Initiative Inc)	28
Technology PEI	29
<i>Nova Scotia</i>	30
Innovations in Fisheries and Aquaculture Programs	30
<i>Newfoundland</i>	31
Aquaculture Innovation Program 2006	31
Human Resource Development Program 2006	31
Innovation Enhancement Program	32
Commercialization Program.....	32
Regional / Sectoral Diversification Fund	33
Business and Market Development Program	33
<i>British Columbia</i>	36
BCARDC (BC Aquaculture Research and Development Committee).....	36
Aqua-E Fund	36
Other Resources	37
The Funding Guide for International Science and Technology Cooperation.....	37
PEI BioAlliance.....	37
Financing Your Business – Info Guide for New Brunswick.....	37

Research and Development Agencies Available to the Canadian Aquaculture Industry

Introduction

ACAIRDN (Atlantic Canada Aquaculture Industry Research and Development Network) is a unified voice for the Atlantic Canadian Aquaculture Industry in matters of R&D, providing leadership, coordination and communication for the direct benefit of the industry. The Network first began in 2002, with the placement of Research and Development Coordinators (RDC's) at each of the major aquaculture industry associations in Atlantic Canada. In addition, RDC's were placed in the two major aquaculture industry associations in British Columbia in 2006.

This document will serve as a central repository for Research and Development funding programs specific to the Aquaculture industry in Canada. This current version contains only programs from Atlantic and Western Canada, however, the goal for future revisions will be to include programs from across Canada.

Summaries are included for each funding program, as well as website links at which additional information can be obtained. Specific contact information for individuals responsible for these programs has also been included, where possible.

Coordination of funding resources will be included in later versions of this document as more information becomes available. In particular, ACAIRDN hosts an annual Aquaculture Industry Research & Development Workshop. Current versions of this document will be distributed at this workshop. Representatives of funding resources are encouraged to provide ACAIRDN with updates of relevant programs, when available.

Document Location and Revisions

This document will be housed on the ACAIRDN website (unavailable as of June, 2007). In addition, each Research and Development Coordinator will be the key point of contact for each region, as follows:

Newfoundland: Darrell Green, Newfoundland Aquaculture Industry Association
Phone: (709)754-2854, ext 2
Email: dgreen@naia.ca
Web: www.naia.ca

PEI: Peter Warris, PEI Aquaculture Alliance
Phone: (902)368-2757
Email: rd@aquaculturepei.com
Web: www.aquaculturepei.com

Nova Scotia: Peter Sykes, Aquaculture Association of Nova Scotia
Phone: (902)471-0066
Email: psykesaans@eastlink.ca
Web: www.aansonline.ca

New Brunswick: Caroline Graham, New Brunswick Salmon Growers Association
Phone: (506)467-7199
Email: c.graham@nbsga.com
Web: www.nbsga.com

British Columbia: David McCallum, British Columbia Shellfish Growers Association
Phone: (250)890-7561
Email: david@bcsga.ca
Web: www.bcsga.ca

Norman Penton, British Columbia Salmon Farmers Association
Phone: (250)286-1636
Email: normanpenton@telus.net
Web: www.salmonfarmers.org

This document will be reviewed and updated annually, and presented at the ACAIRDN Annual Research Workshop.

**Research and Development Agencies Available to the
Canadian Aquaculture Industry**

Federal Programs

National Research Council Canada Industrial Research Assistance Program (NRC–IRAP)

The National Research Council Canada Industrial Research Assistance Program (NRC-IRAP) is the Government of Canada's foremost and longest-standing program designed to help the country's small- and medium-sized enterprises (SMEs) realize new and innovative technologies. NRC-IRAP is a vital component of NRC and a cornerstone in Canada's innovation system.

Delivered by more than 235 Industrial Technology Advisors (ITAs) in more than 100 communities across Canada, the program provides innovative SMEs with technological and business advice as well as potential financial assistance and a range of various other innovation opportunities. NRC-IRAP's goal is to assist SMEs in turning their knowledge and innovations into significant opportunities for company growth thereby creating jobs and prosperity for all Canadians.

Web: irap-pari.nrc-cnrc.gc.ca

Phone: 1-877-994-4727

Research and Development Agencies Available to the
Canadian Aquaculture Industry

ACRDP (Aquaculture Collaborative Research and Development Program) - DFO

Aquaculture Collaborative Research and Development Program (ACRDP) is a Department of Fisheries and Oceans (DFO) initiative to increase the level of collaborative research and development activity between the aquaculture industry and the department, and in some instances with other key funding partners. ACRDP is an industry - driven program that will pair industry with DFO researchers. Projects will be conducted at DFO Research facilities or possibly industry partner facilities. The program will allocate ACRDP funds to collaborative research projects that are proposed and jointly funded by aquaculture producer partners. Research funding remains within DFO. ACRDP funding is approximately \$4.5 million per year and will be distributed regionally.

Web: http://www.dfo-mpo.gc.ca/science/aquaculture/acrdp_e.htm

Contact Information:

NL: Ben Davis
Phone: (709) 772-0560
Email: DavisB@dfo-mpo.gc.ca

Maritime Region: Thomas W. Sephton
Phone: (902) 244-6080
Email: SephtonT@mar.dfo-mpo.gc.ca

Gulf Region: Gilles Olivier
Phone: (506) 851-2054
Email: OlivierG@dfo-mpo.gc.ca

BC: Jerry Corriveau
Phone: (250) 756-7128
Email: CorriveauJ@dfo-mpo.gc.ca

Research and Development Agencies Available to the
Canadian Aquaculture Industry

Sustainable Development Technology Canada

Sustainable Development Technology Canada (SDTC) is a not-for-profit foundation that finances and supports the development and demonstration of clean technologies which provide solutions to issues of climate change, clean air, water quality and soil, and which deliver economic, environmental and health benefits to Canadians. To do so, the Foundation draws from an investment fund of \$550 million.

SDTC was established by the Government of Canada in 2001. Its mission is to act as the primary catalyst in building a sustainable development technology infrastructure in Canada. The Foundation reports to Parliament through the Minister of Natural Resources Canada.

Web: www.sdtec.ca

General Inquiries

Phone: (613) 234-6313

Email: info@sdtec.ca

Funding Application Questions

Contact: Sebastien Prince-Richard, Manager, Applications

Phone: (613) 234-6313 ext. 232

Email: s.prince-richard@sdtec.ca

Research and Development Agencies Available to the
Canadian Aquaculture Industry

(SR&ED) Scientific Research and Experimental Development Tax Incentive Program (Canada Revenue Agency)

The Scientific Research and Experimental Development (SR&ED) program is a federal tax incentive program to encourage Canadian businesses of all sizes and in all sectors to conduct research and development (R&D) in Canada that will lead to new, improved, or technologically advanced products or processes. The SR&ED program is the largest single source of federal government support for industrial research and development.

Claimants can apply for SR&ED investment tax credits for expenditures such as wages, materials, machinery, equipment, some overhead, and SR&ED contracts.

Generally, a Canadian-controlled private corporation (CCPC) can earn an investment tax credit (ITC) of 35% up to the first \$2 million of qualified expenditures for SR&ED carried out in Canada, and 20% on any excess amount. Other Canadian corporations, proprietorships, partnerships, and trusts can earn an ITC of 20% of qualified expenditures for SR&ED carried out in Canada.

To qualify for the SR&ED program, work must advance the understanding of scientific relations or technologies, address scientific or technological uncertainty, and incorporate a systematic investigation by qualified personnel.

Work that qualifies for SR&ED tax credits includes:

- **experimental development** to achieve technological advancement to create new materials, devices, products, or processes, or improve existing ones;
- **applied research** to advance scientific knowledge with a specific practical application in view;
- **basic research** to advance scientific knowledge without a specific practical application in view; and
- **support work** in engineering, design, operations research, mathematical analysis, computer programming, data collection, testing, or psychological research, but only if the work is commensurate with, and directly supports, the eligible experimental development, or applied or basic research.

The following activities are **not** eligible for benefits under the program:

- social science and humanities research;
- commercial production of a new or improved material, device, or product, or the commercial use of a new or improved process;
- style changes;
- market research or sales promotion;
- quality control or routine testing of materials, devices, products, or processes;
- routine data collection;
- prospecting, exploring, or drilling for or producing minerals, petroleum, or natural gas; and

Research and Development Agencies Available to the Canadian Aquaculture Industry

- development based solely on design or routine engineering practice.

Web: <http://www.cra-arc.gc.ca/taxcredit/sred/menu-e.html>

Contact

Atlantic Canada: Jacques Fournier

Phone: (506)432-3852/ toll free: 888-320-9099

NSERC (Natural Sciences and Engineering Research Council of Canada)

NSERC is the national instrument for making strategic investments in Canada's capability in science and technology. NSERC supports both basic university research through discovery grants and project research through partnerships among universities, governments and the private sector, as well as the advanced training of highly qualified people. NSERC helps Canadian companies compete in today's economy by jointly funding collaborative R&D projects with scientists and engineers in universities across the country.

Web: [NSERC - Partnerships Programs](#)
Contact: Catherine Vardy,
Promotion and Research and Development, NSERC-Atlantic
Phone: (506) 854-9423
E-mail: catherine.vardy@nserc.ca

Collaborative Research and Development (CRD) Grants

CRD grants support well-defined projects undertaken by university researchers and their private-sector partners. CRD awards cover up to half of the total eligible direct project costs, with the industrial partner(s) providing the balance in cash and in kind.

Web: www.nserc.gc.ca/professors_e.asp?nav=profnav&lbi=b3
Phone: 613-995-1111
E-mail: rpp@nserc.ca

Idea to Innovation (I2I) Program

The objective of the Idea to Innovation (I2I) program is to accelerate the pre-competitive development of promising technology and promote its transfer to Canadian companies. The program supports research and development projects with recognized technology transfer potential by providing crucial assistance to college and university faculty members in the early stages of technology validation and market connection.

Web: www.nserc.gc.ca/professors_e.asp?nav=profnav&lbi=b4
Phone: 613-947-9485
E-mail: i2i@nserc.ca

Contact: Catherine Vardy, Promotion and Research and Development, NSERC-Atlantic
Phone: (506) 854-9423
E-mail: catherine.vardy@nserc.ca

**Research and Development Agencies Available to the
Canadian Aquaculture Industry**

Youth Employment Strategy Programs – HRSDC

The Youth Employment Strategy (YES) is the Government of Canada's commitment to help young people, particularly those facing barriers to employment, get the information and gain the skills, work experience and abilities they need to make a successful transition to the workplace.

Under the Youth Employment Strategy, Service Canada offers the following three programs:

Career Focus

This program provides funding for employers to help post-secondary graduates obtain career-related work opportunities in Canada to support their development of advanced skills, to help them make career-related links to the job market, and to assist them in becoming leaders in their field.

Web: [Career Focus](#)

Skills Link

Provides funding to community organizations to help youth facing barriers to employment in rural and remote areas (including high school drop outs) develop the broad range of skills, knowledge and work experience they need to participate in the job market.

Web: [Skills Link](#)

Summer Work Experience

Provides wage subsidies to employers to create summer employment for secondary and post-secondary students.

Web: [Summer Work Experience](#)

IASPP - Invasive Alien Species Partnership Program, Environment Canada

The Government of Canada has expressed interest in building awareness and taking action against invasive alien species. The Invasive Alien Species Partnership Program (IASPP or Program) is a partnership-based initiative sponsored by the Government of Canada. The goal of the IASPP is to engage Canadians in actions to prevent, detect, and manage IAS to minimize the risk the species pose to the environment, economy, and society.

Web: http://www.cbin.ec.gc.ca/issues/ias_iaspp.cfm?lang=e

Contact: Natasha Henry
Phone (819) 934-8783
Email: Natasha.Henry@ec.gc.ca

Research and Development Agencies Available to the
Canadian Aquaculture Industry

SSHRC (Social Sciences and Humanities Research Council of Canada)

The Social Sciences and Humanities Research Council of Canada (SSHRC) is an arm's-length federal agency that promotes and supports university-based research and training in the social sciences and humanities. SSHRC-funded research fuels innovative thinking about real life issues, including the economy, education, health care, the environment, immigration, globalization, language, ethics, peace, security, human rights, law, poverty, mass communication, politics, literature, addiction, pop culture, sexuality, religion, Aboriginal rights, the past, our future.

Web: http://www.sshrc.ca/web/about/about_e.asp

Contact:

Phone: (613) 992-0691

Research and Development Agencies Available to the
Canadian Aquaculture Industry

Regional Programs

ACOA (Atlantic Canada Opportunities Agency)

The Atlantic Canada Opportunities Agency is the federal government department responsible for helping to build economic capacity in the Atlantic Provinces by working with the people of the region – in their communities, through their institutions and with their local and provincial governments and businesses – to create jobs and enhance earned incomes.

ACOA works with its many partners to help entrepreneurs in Atlantic Canada access the capital they need to start-up or expand a business. ACOA also coordinates programs designed to stimulate the development and commercialization of new technologies and the climate for business growth generally in the region.

Atlantic Innovation Fund

The Atlantic Innovation Fund focuses on R&D projects in the area of natural and applied sciences, as well as in social sciences, humanities, arts and culture, where these are explicitly linked to the development of technology-based products, processes or services, or their commercialization. This Fund is designed to move the research and development taking place in Atlantic Canada out of the labs and into the marketplace by encouraging partnerships between businesses and research institutions.

More specifically, the Atlantic Innovation Fund is designed to focus on areas of strategic importance to the region that offer the most potential for future growth, including information technology, ocean technologies, aquaculture, bio-technology, health/medical technologies, and environmental technologies. AIF investments could also strengthen the region's ability to develop technologies that allow natural resource industries - including agriculture and agri-food - to maintain and increase their competitiveness.

Eligible applicants include universities, research institutions and private sector businesses. Proposals that involve partnerships among these groups are encouraged

Web: [Atlantic Innovation Fund](#)

**Research and Development Agencies Available to the
Canadian Aquaculture Industry**

Small Business Financing Programs

Business Development Program: This program is designed to help set up, expand or modernize businesses. It provides interest-free, unsecured loans to small and medium-sized business in Atlantic Canada.

Web: [Business Development Program](#)

Seed Capital Program: This program provides loans to start, expand or improve a small business, as well as acquire business skills training.

Web: [Seed Capital Program](#)

Community Business Development Corporations: These not-for-profit corporations offer both technical and financial services for small businesses in rural Atlantic Canada.

Web: [Community Business Development Corporations](#)

Aboriginal Business Canada: Provides financial assistance, information, resource materials and referrals to other possible sources of financing or business support.

Web: [Aboriginal Business Canada](#)

Women in Business Initiative (Access to Financing): The WBI can help find potential sources of business financing and improve the ability to access them. This program, in particular, helps lending partners to increase financing opportunities that meet specific business needs.

Web:

[New Brunswick](#)

[Nova Scotia](#)

[Newfoundland and Labrador](#)

[Prince Edward Island](#)

Women in Business Initiative: Business Management Training Allowance: This program can provide financial assistance to women business owners wishing to undertake business management training.

Web: [Women in Business Initiative: Business Management Training Allowance](#)

Women in Business Initiative: Consultant Advisory Services: This program may help women business owners to engage additional experts for advice to address business opportunities, issues and/or problems.

Web: [Women in Business Initiative: Consultant Advisory Services](#)

Young Entrepreneur Development Initiative (YEDI): YEDI is an ACOA initiative designed to expand and enhance the entrepreneurship training, information and support services available to Atlantic Canadians under 35 years of age. The initiative supports not-for-profit and non-commercial organizations such as business and economic development associations, educational institutions or municipalities to deliver programs for Aspiring Entrepreneurs, Existing Entrepreneurs and Community Entrepreneurship

Research and Development Agencies Available to the Canadian Aquaculture Industry

Development.

Web: [Young Entrepreneur Development Initiative \(YEDI\)](#)

Community Development

Innovative Communities Fund: Invests in strategic projects that build the economies of Atlantic Canada's communities.

Web: [Innovative Communities Fund](#)

Municipal Rural Infrastructure Fund: Supports smaller municipal infrastructure projects, which improve the quality of life, sustainable development and economic opportunities in smaller Atlantic communities.

Web: [Municipal Rural Infrastructure Fund](#)

Regional Economic Development Organizations: The role of these organizations is to develop and drive economic development at the local level in partnership with various other levels of government, economic development organizations and stakeholders.

Web: [Regional Economic Development Organizations](#)

Aboriginal Economic Development: ACOA works in collaboration with federal, provincial and community partners to provide Aboriginal peoples the tools they need to build and maintain vibrant communities.

Web: [Aboriginal Economic Development](#)

Official Languages and Minority Communities: ACOA takes positive measures to enhance the vitality of French-language minority communities in Atlantic Canada.

Web: [Official Languages and Minority Communities](#)

Other Financing Programs

International Business Development Agreement: Promotes export development activities in Atlantic Canada.

Web: [International Business Development Agreement](#)

Venture Capital: Sources of venture capital for small to medium size enterprises in Atlantic Canada are included on the following Web: [Venture Capital](#)

**Research and Development Agencies Available to the
Canadian Aquaculture Industry**

Community Based Development Corporations (CBDC)

The Atlantic Association of Community Business Development Corporations (CBDCs) is a network of autonomous, not-for-profit organizations that work with all levels of government and the private sector to meet the needs of small business.

In rural Atlantic Canada there are 41 Corporations dedicated to the development of small business and job creation. CBDCs have been in operation for over 25 years and take their name and origin from a series of programs such as CESA, LEDA, LEAD and Community Futures, which date back to 1975.

The mandate of CBDC is to assist in the establishment of new businesses and in the expansion and modernization of existing businesses in our respective communities. We help to develop the local economy through the creation of private sector employment.

Web: <http://www.cbdc.ca/programs.php>

Phone: 1-888-303-CBDC (2232)

Email: info@cbdc.ca

Research and Development Agencies Available to the
Canadian Aquaculture Industry

CCFI (Canadian Centre for Fisheries Innovation)

CCFI is a non-profit organization owned by Memorial University of Newfoundland and funded by the Atlantic Innovation Fund. The Centre provides the tools of scientific research and technology to the fishing industry. Using the resources of Atlantic Canadian Universities, the Centre offers expert assistance in aquaculture, harvesting, and processing, with the aim of increasing and enhancing clients' productivity and profitability in Atlantic Canada and Nunavut.

Web: www.ccfi.ca

Contact: Carey Bonnell, Managing Director
Phone: (709) 778-0537, (709) 778-0517
Email: Carey.Bonnell@mi.mun.ca

Contact: Marc Kielley, Industrial Liaison Officer, Aquaculture
Phone: (709) 778-0545, (709) 778-0517
Email: Marc.Kielley@mi.mun.ca

Contact: Andrew Chapman, Industrial Liaison Officer (Maritimes)
Phone: (902) 835-4210
Email: achapman@ns.aliantzinc.ca

General: Canadian Centre for Fisheries Innovation
Phone: (709) 778-0517
Email: ccfi@mi.mun.ca

Research and Development Agencies Available to the
Canadian Aquaculture Industry

WD (Western Economic Diversification Canada)

Western Economic Diversification Canada's (WD) mandate is to promote the development and diversification of the economy of Western Canada and advance the interests of the West in national economic policy. This mandate is delivered primarily through grants and contributions programs, which enable the department to contribute strongly to the productivity and competitiveness of the West. This is achieved through collaboration with partners including the private sector, other levels of government, academic and financial institutions, as well as research centers, to maximize investment in Western Canada and to create alternative sources of funding for commercial ventures.

Web: http://www.wd.gc.ca/default_e.asp

Contact:

BC: Byron Mah
Phone: (604) 666-6256; 1-888-338-9378
Email: byron.mah@deo.gc.ca

Research and Development Agencies Available to the
Canadian Aquaculture Industry

Provincial Programs

New Brunswick

Total Development Fund

NB Department of Agriculture and Aquaculture (NB DAA)

The Total Development Fund is available to support project submissions which the Department sees as strategic in the development of the Agriculture and Aquaculture sectors. The priorities may vary from year to year and are influenced by priorities identified by industry and other stakeholders. Because the size of the fund varies from year to year, financial commitments are only for the current fiscal year. As a result, projects that run over several fiscal years will need to reapply each successive year and are not necessarily guaranteed success. While the fund has been used to cover 100% of the costs of certain projects that is highly irregular and it is generally used to leverage monies from other agencies.

Web: n/a

Contact: Kim Lipsett, Director, Aquaculture and Fish Health
Phone: (506) 453-2253

New Brunswick Environmental Trust Fund

The Fund provides assistance for action-oriented projects with tangible, measurable results aimed at protecting, preserving and enhancing the Province's natural environment. Eligible applicants include community groups, NB municipalities, non-profit NB organizations, and institutions furthering sustainable development. To be eligible for funding, the project must come under one of six categories - Protection, Restoration, Sustainable Development, Conservation, Education, or Beautification.

Web: <http://www.gnb.ca/0009/0373/0002/0001-e.asp>

Contact: Dianne Howe, Manager
Phone: (506) 453-3925
email Dianne.Howe@gnb.ca

Contact: Levis Theriault, Officer
Phone: (506)453-3925
Email: Levis.theriault@gnb.ca

**Research and Development Agencies Available to the
Canadian Aquaculture Industry**

Business New Brunswick Loans and Loan Guarantees for Aquaculture

Direct loan assistance may be provided for new construction and equipment purchases of up to \$500,000 to aid and encourage the establishment or development of aquaculture in the Province of New Brunswick.

Loan guarantees are also available for working capital purposes. The maximum allowable loan guarantee shall be 80% of the approved operating costs only and Department liability is limited to the operating loans that are outstanding after the relative lending institution has realized on all security held in support of operating loans.

Eligibility criteria include the following:

- Applicants must not have any loans in arrears with the Department.
- The project must involve the production and harvesting of fin-fish, shell-fish or aquatic plants.
- The project must demonstrate a potential for permanent employment opportunities or significant potential for increasing sales, and must show commercial viability.
- The applicant will have a minimum equity position of 20% of the total assets (including the assets to be acquired through the project).
- Expenditures of a normal recurring nature including working capital items and inventories such as feed, smolts and seed, are not eligible for direct loan assistance. (see loan guarantee program)

Direct loans or loan guarantees may be provided to individuals, companies, partnerships and/or associations who are residents of the Province of New Brunswick and who are operating within the Province of New Brunswick .

The financial assistance program for aquaculture may be provided by way of direct loans or loan guarantees for marine shell-fish and/or fin-fish cultivation operations.

Contact:

Department of Business New Brunswick
PO Box 6000
Fredericton, NB
E3B 5H1
1 (506) 453-8232

Web: <http://www.gnb.ca/0398/menu/abo/fa/index-e.asp>

**Research and Development Agencies Available to the
Canadian Aquaculture Industry**

New Brunswick R&D Tax Credit

New Brunswick's Research and Development (R&D) tax credit will be increased from 10 percent to 15 percent of eligible expenditures incurred on or after January 1st, 2003 and made fully refundable.

The New Brunswick 10% tax credit for R&D research was introduced in 1994. The existing credit is non-refundable meaning that the credit can only be used to reduce provincial taxes owing. The unused credit can be carried forward seven years and carried back three years.

The new enhanced NB R&D tax credit will be 15% and fully refundable meaning that the credit will benefit New Brunswick corporations even if the corporation does not have provincial taxes owing. The refund amount will be equal to the amount of the credit in excess of tax otherwise payable under the *New Brunswick Income Tax Act*. The new credit will no longer have to be carried forward or carried back because it is fully refundable.

Many businesses and particularly smaller enterprises involved in R&D activity do not have taxable income and therefore cannot take advantage of a non-refundable tax credit. These businesses sometimes have cash flow challenges and often do not earn taxable income in the first few years of operation. The new refundable tax credit will help fund their research activity.

The new enhanced NB R&D tax credit, as with the previous tax credit, will be applied to Scientific Research and Experimental Development (SR&ED) expenditures as defined by the federal *Income Tax Act*. The credit will continue to be administered by the Canada Revenue Agency (CRA) 1-800-959-5525.

Contact

Phone: 1-800-959-5525

**Research and Development Agencies Available to the
Canadian Aquaculture Industry**

NB Innovation Fund

The New Brunswick Innovation Foundation (NBIF), a catalyst for innovation and change in the province of New Brunswick, is an independent corporation focused on stimulating innovation as a means of improving productivity and moving the knowledge-based economy forward.

With seed capital in the total amount of \$35 million from the province of New Brunswick, the NBIF supports the development of innovation by making targeted and leveraged investments in research and development and early stage innovative-led companies in New Brunswick.

Web: <http://www.nbif.ca/page/index/61>

Research Innovation Fund

The Research Innovation Fund (RIF) assists in building the innovation capacity of the eligible academic and research organizations by supporting various types of leveraged initiatives along with supporting their innovation projects that have the potential for transforming new ideas into new products, services, technologies or processes. The RIF focuses on, but is not restricted to, applied R&D and innovation activities performed in the province of New Brunswick in the priority clusters identified by the NBIF as advanced manufacturing, knowledge industry, life sciences and value-added natural resources.

Web: <http://www.nbif.ca/page/index/35>

Research Technicians Initiative

The Research Technicians Initiative (RTI) is a joint initiative between the New Brunswick Department of Post-Secondary Education, Training and Labour and the New Brunswick Innovation Foundation (NBIF). The RTI provides financial assistance to academic institutions and research organizations in the Province of New Brunswick for the hiring of research technicians, or research associates, working under the supervision of researchers in support of the institutions' efforts to expand capacity to undertake research and innovation activities.

Web: <http://www.nbif.ca/page/index/35>

Research Assistantships Initiative

The Research Assistantships Initiative (RAI) is a joint initiative of the New Brunswick Department of Post-Secondary Education, Training and Labour, the New Brunswick Department of Education (ED) and the New Brunswick Innovation Foundation (NBIF). The RAI provides research assistantships to students working with professors or researchers dealing with innovation activities in the strategic clusters identified in the Innovation Agenda of New Brunswick as advanced manufacturing, knowledge industries, life sciences, value-added natural resources, and in education and training.

Web: http://www.nbif.ca/randd_investments_RAI_full.html

**Research and Development Agencies Available to the
Canadian Aquaculture Industry**

Department of Post-Secondary Education, Training and Labour

A primary goal of Post-Secondary Education Training and Labour is to help unemployed and underemployed New Brunswickers secure permanent places in the workforce. There are a variety of programs designed to do just that. But many of these programs also benefit employers with financial incentives to increase the employee base with people who are well trained and job ready.

Web: <http://www.gnb.ca/0311/3e.htm>

Prince Edward Island

PEI Atlantic Shrimp Corp.

The PEIASC funds various projects that demonstrate a benefit to the PEI fishery as a whole, in the areas of research, product and market development and the development and maintenance of the harvesting sector in PEI. All projects submitted to the PEIASC are evaluated by the Board of Directors.

Web: www.peishrimp.com

Contact: Kelly Duffy

Phone: (902) 394-4859

Email: info@peishrimp.com

AFRI (Aquaculture and Fisheries Research Initiative Inc)

The Aquaculture and Fisheries Research Initiative was established by the Government of Prince Edward Island to provide industry associations, private businesses, public institutions and/or individual fishers and aquaculturists with increased access to applied and developmental research to address priorities and opportunities in the industry. The Initiative is aimed at:

- Stimulating the conduct of scientifically valid short-term (normally three years or less) applied and developmental research related to the aquaculture sector, to the commercial fishery and to fish processing in Prince Edward Island.
- Enhancing the knowledge-based economy within the province by promoting the creation of expertise that will be available to the industry.
- Building and strengthening partnerships among research agencies and the private sector.
- Focusing resources on aquaculture and fisheries related research and development capabilities.

The Initiative is administered by a Board of Directors representing the Department of Agriculture, Fisheries and Aquaculture, research agencies and the industry.

Web: <http://www.gov.pe.ca/af/agweb/index.php3?number=78405>

Contact: Kelly Cantelo

Phone: (902) 368-5790

Email: kdcantelo@gov.pe.ca

**Research and Development Agencies Available to the
Canadian Aquaculture Industry**

Technology PEI

This initiative is a series of programs designed to build capacity in research and development innovation by supporting the transformation of ideas into products. The fund is structured to promote research, business and commercial collaborations that complement a growing PEI knowledge-based economy and result in the development of commercially viable, technically innovative, and exportable products and services.

Web: www.techpei.com

Contact: Gailene Tobin or Joan Turner Adams

Phone: (902) 368-6300

Email: jtadams@gov.pe.ca

Research and Development Agencies Available to the
Canadian Aquaculture Industry

Nova Scotia

Innovations in Fisheries and Aquaculture Programs

The purpose of these programs are to develop and optimize the harvesting and processing sectors of the Nova Scotia fishing and aquaculture industries through public-private partnerships, technology transfer, applied research and community development programs.

Aquaculture Development

The Innovations group works closely with the aquaculture industry on technical development projects conducted jointly by industry and the department. These projects enable participating shellfish and finfish growers to safely market their products.

The Innovations in Fisheries and Aquaculture division of Nova Scotia Fisheries and Aquaculture consists of trained and experienced staff, who play an integral role delivering program assistance to Nova Scotia clients in the fishing, aquaculture and processing industries. The cost-sharing philosophy of these programs nurtures the incentive for Nova Scotians involved in the aquaculture and fishing industries to promote their innovative ideas.

Web: <http://www.gov.ns.ca/nsaf/marine/techdev/programs.shtml>

Contact: Colleen Rodgeron
Phone: (902) 424-0338
Email: rodgerco@gov.ns.ca

**Research and Development Agencies Available to the
Canadian Aquaculture Industry**

Newfoundland

Aquaculture Innovation Program

Administered by the Department of Fisheries and Aquaculture, the objective of the Aquaculture Innovation Program (AIP) is to assist aquaculture businesses to evaluate, develop and adopt new techniques and/or technologies that reduce production costs, improve efficiencies and/or increase product quality. This can be achieved by introducing and evaluating technologies that have been successful elsewhere.

Web: N/A

Contact: Chris Hendry, Marine Finfish Aquaculturist
Phone: (709) 292-4117
E-mail: chendry@gov.nl.ca

Human Resource Development Program

Administered by the Department of Fisheries and Aquaculture, the objective of the Human Resource Development Program is to support the upgrade of knowledge and skills of aquaculture employees in Newfoundland, from managers to site workers. Emphasis is placed on company-to-company skills transfer to expose personnel to the best private, public and research sector techniques available.

Web: N/A

Contact: Chris Hendry, Marine Finfish Aquaculturist
Phone: (709) 292-4117
E-mail: chendry@gov.nl.ca

Innovation Enhancement Program

Administered by the Department of Innovation, Trade and Rural Development, the Innovation Enhancement Program will provide non-repayable contributions to public sector institutions, not-for-profit groups, community organizations and industry associations that are involved in activities that enhance innovation in the Province. Funding may be available for the development and expansion of strategic industry clusters and for public/private research partnerships involved in the development of new technologies.

Web: <http://www.intrd.gov.nl.ca/intrd/IEP.htm>

Contact: Brian Wade Manager, Advanced Technology, Research & Development
Phone: (709) 729-2994
E-mail: bwade@gov.nl.ca

Commercialization Program

Administered by the Department of Innovation, Trade and Rural Development, the Commercialization Program bridges an identified funding and investment gap between product research and product marketing. It provides financial assistance to private sector enterprises for activities leading to the development of innovative, market-ready products and services, including support for technology transfer activities. The program will assist companies in Newfoundland and Labrador that have difficulty securing investment or loans to develop innovative products or services.

Web: <http://www.intrd.gov.nl.ca/intrd/CP.htm>

Contact: Brian Wade, Manager, Advanced Technology, Research & Development
Phone: (709) 729-2994
E-mail: bwade@gov.nl.ca

**Research and Development Agencies Available to the
Canadian Aquaculture Industry**

Regional / Sectoral Diversification Fund

Administered by the Department of Innovation, Trade and Rural Development, the Regional / Sectoral Diversification Fund provides non-repayable contributions to eligible organizations for the development and implementation of economic initiatives that address regional and sectoral development. Eligible projects include developing strategies to enhance development of key sectors, conducting studies and feasibility analyses, bringing projects to a level of commercialization and developing infrastructure which demonstrates economic benefit for the regions and Province.

Web: <http://www.intrd.gov.nl.ca/intrd/RSDF.htm>

Phone: 1-800-563-2299

Business and Market Development Program

Administered by the Department of Innovation, Trade and Rural Development, the Business and Market Development Program provides new entrepreneurs and expanding small businesses with funding to help them acquire the necessary expertise to pursue new business ideas and new markets for their products and services. The program supports new growth opportunities in the economy. Eligible projects include technical feasibility research relating to potential new business opportunities; new market development activities or researching new product development opportunities; and acquiring external expertise (for example, related to production processes).

Web: <http://www.intrd.gov.nl.ca/intrd/smallbus.htm>

Phone: 1-800-563-2299

**Research and Development Agencies Available to the
Canadian Aquaculture Industry**

Marketing Intelligence Assistance Program

Administered by the Department of Fisheries and Aquaculture, the objective of the Market Intelligence Assistance Program (MIAP) is to assist the investigation of specific areas of opportunity (areas related to product form, geography, end user, etc.) for aquaculture products. Once this information is known, the existing specific programs can assist an industry partner to develop the products and the marketing approach to exploit those opportunities.

Web: N/A

Contact: Steve Moyse, Policy Analyst
Phone: (709) 729-3040
E-mail: stevemoyse@gov.nl.ca

Aquaculture Working Capital Loan Guarantee Program

This initiative will improve access to financing from traditional financial institutions through the provision of government loan guarantees. Through the Aquaculture Working Capital Loan Guarantee Initiative, existing or new companies that are financially and technically sound will have a greater chance of success by ensuring that sufficient financing is available. The Initiative will only be available to companies that can demonstrate strength in all aspects of their business from the technical and marketing to the management capabilities. Also critical is a strong business plan for growth.

Web: N/A

Contact: Brian Meaney, Assistant Deputy Minister
Phone: (709) 729-3710
E-mail: bmeaney@gov.nl.ca

**Research and Development Agencies Available to the
Canadian Aquaculture Industry**

Aquaculture Capital Investment Program

The objective of the program is to assist in increasing production of commercial aquaculture products in the province, from both hatcheries and marine sites, thereby increasing employment and spin-off opportunities in the processing, manufacturing, supply and service sectors, primarily in rural Newfoundland and Labrador. The Program will provide a minimum investment to projects of \$250,000 for finfish operations and \$100,000 for shellfish to match a private sector cash investment.

Web: N/A

Contact: Shawn Robinson, Director of Aquaculture Development
Phone: (709) 292-4111
E-mail: srobinson@gov.nl.ca

Research and Development Agencies Available to the
Canadian Aquaculture Industry

British Columbia

BCARDC (BC Aquaculture Research and Development Committee)

BCARDC was established in 2001 under the guise of the Science Council of BC (now the BC Innovation Council). A key part of the Committee's mandate is to identify the research priorities that cover the environmental, social and production performance issues and opportunities for both the finfish and shellfish aquaculture industries.

Web:

http://www.bcinnovationcouncil.com/programs/research_dev/aqua_enviro_awards.php

Contact: Sam Nakai
Phone: (604) 602-5202
Email: snakai@bcinnovationcouncil.com

Aqua-E Fund

BC Aquaculture and Environment Fund (the Aqua-E Fund) will be managed by the BCARDC. The Fund was established in 2002 with \$3.75 million in funding from the Province of BC. The Fund was distributed as awards in 5 different research areas to the researchers in those fields.

Web:

http://www.bcinnovationcouncil.com/programs/research_dev/aqua_enviro_awards.php

Contact: Sam Nakai
Phone: (604) 602-5202
Email: snakai@bcinnovationcouncil.com

Research and Development Agencies Available to the
Canadian Aquaculture Industry

Other Resources

The Funding Guide for International Science and Technology Cooperation

Web: <http://fgic-gfci.scitech.gc.ca/>

PEI BioAlliance

Web: <http://www.peibioalliance.com/?q=rd>

Financing Your Business – Info Guide for New Brunswick

This Info-guide is a document designed to help you navigate through some of the most common Federal and Provincial government financial assistance programs available to individuals starting a business or operating an existing business in New Brunswick.

Web:

http://www.cbsc.org/servlet/ContentServer?pagename=CBSC_NB/display&c=GuideInfoGuide&cid=1099919423394&lang=en