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STI FUNDING CANADA

**Federal and Provincial Canadian
Funding Programs for Science,
Technology and Innovation (STI),
for Canadians**

**Produced by the
Mission of Canada to the EU**

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Introduction

The government of Canada strongly believes in investing in Science, Technology and Innovation (STI) to support researchers and institutions the sector. In 2021, preliminary estimates announced over CAD \$3 billion in funding for science initiatives.



Canada has committed to contributing through various investments to:

- Strengthen the ongoing effort to uphold Canada's science and research sector through support of Canada's highly skilled and talented researchers, as they play an essential role in driving innovation
- Help Canadian small businesses become more productive and prosperous
- Help innovative, entrepreneurial start-ups overcome challenges and realize their world-changing ideas
- Accelerate the transition to net-zero by supporting projects that will help reduce Canada's greenhouse gas emissions by expediting decarbonization projects, scaling-up clean technology, and accelerating Canada's industrial transformation
- Build on existing innovation and support firms at various stages of maturity

Canada's STI priority areas include:

- Bio-manufacturing and Life Sciences Sector
- Renewing the Pan-Canadian Artificial Intelligence Strategy
- Launching a National Quantum Strategy
- Launching a Pan-Canadian Genomics Strategy

This document details federal and provincial funding programs that could support STI projects in Canada and internationally, including, but not limited to Horizon Europe. It can include target sectors, eligibility criteria, funding amounts, information regarding application processes, contacts and references.



Summary of Federal and Provincial Funding Programs

Federal program
Provincial program

Themes	Funding	Program particularities	Budget
ALL	New Frontiers in Research Fund (NFRF) 2022 Horizon Global Platform Competition	<p>Horizon Europe, Pillar 2</p> <p>This competition provides funding for Canadian researchers who are partners on research and innovation actions under Horizon Europe's Pillar II and have been awarded Horizon Europe project funding. Registration deadline: One week after the Horizon Europe application deadline for an eligible call.</p>	\$250k per year (including indirect costs)
Aerospace and Aviation	Consortium for Research and Innovation in Aerospace in Québec	<p>Three different CRIAQ programs drive international research collaborations. Beneficiaries are most often universities, colleges and research centres.</p>	CRIAQ provides a maximum funding ratio of 50% of project value, with maximum public funding at 80% of the value, and minimum industrial contribution 20%. Maximal financial aid depends on the type of programs.
Agriculture, Agri-Food and Fisheries	Agriculture and Agri-Food Canada	<p>Research and Development: team working on a current international priority.</p> <p>Network of living labs with ongoing European collaborations.</p>	From \$10k to \$50k.
	Fisheries and Oceans Canada	<p>For scientific research and related science activities. One can leverage funding or in-kind contributions to join Horizon Europe collaboration.</p>	Funding is provided in accordance with the Canadian federal fiscal year (April-March) and varies from year to year.
	Innovation Saskatchewan	<p>Research and Development funding program designed to accelerate the commercialization of game-changing technological innovation in the province's agricultural sector.</p>	Industry partners must provide 50% or more of the project's budget. The amount requested from Innovation Saskatchewan is no more than 30% of the proposed budget.



Energy and Climate	Emissions Reductions Alberta	Innovative technologies through competitive challenges that reduce greenhouse gas emissions. 2 funding streams – technology funding and energy savings for business.	Up to \$10 million per project.
Engineering	The Natural Sciences and Engineering Research Council of Canada; Alliance International Grants	Support for academic researchers in Canada to work with leading international researchers from the academic sector to establish and grow international research collaborations and projects that have high impact potential in NSE disciplines.	Catalyst grants: up to \$25,000 for one year Collaboration Grants: up to \$100,000/year for up to three years
	The Natural Sciences and Engineering Research Council of Canada; Alliance Grants	Support for research partnerships between university researchers and organizations from the private, public, or not-for-profit sectors to generate new knowledge and/or technology, train new researchers, and accelerate the application of research results to create benefits for Canada.	From \$20,000 to \$1 million per year, over 1 to 5 years. The NSERC grant is calculated on the basis of cost-sharing options with partner organizations.
	Government of British Columbia	Provincial government's primary investment in support of research infrastructure for researchers.	Dependent on the type of competition.
Health	Canadian Institutes of Health Research: Project Grant Program	Designed to advance health-related fundamental or applied knowledge, supports research projects conducted by individual or group researchers.	\$650 million - total amount for Fall 2022 and Spring 2023 Competitions. \$16.25M to large grants \$14.95M to Indigenous health research focus
	Canadian Institutes of Health Research	Research calls for proposal under public partnership; proposal from Canadian researchers (under institutions) launched under the EU framework programme.	\$200,000 to \$900,000 for up to 3 years
Institutional Innovation	MITACS	Researcher exchange and mobility, for Canadian master's, PhD and postdoc researchers. International cooperation under MSCA (Horizon Europe).	\$6,000 to \$15,000, depending on the program.
	Tri-agency programs	Enhances opportunities for Canadian researchers to participate in research with international partners.	Amounts vary between competitions.
Social Sciences	Social Sciences and Humanities Research	Support research excellence in the social science and humanities.	Stream A \$7k to \$100k Stream B \$100k to



	Council : Insight Grants		\$400k over two to five years
	Social Sciences and Humanities Research Council : Insight Development Grants	Support social sciences and humanities research in its initial stages.	Up to \$75,000 over one to two years
	Social Sciences and Humanities Research Council : Partnership Grants	Support formal partnerships between academic researchers, businesses and other partners.	Stage 1 \$20,000 Stage 2 \$2,500,000
	Social Sciences and Humanities Research Council : Partnership Development Grants	Support smaller-scale or early stage formal partnerships between academic researchers, businesses, institutions and other partners.	\$75,000 to \$200,000 Over one to three years
Technological Innovation	CANARIE: DAIR Cloud Program	Technology development - helping small and medium Canadian businesses on the global stage.	Monthly credit on Amazon services or Microsoft Azure and GPUs, Booster pack, and a collaborative community.
	National Research Council of Canada Industrial Research Assistance Program (NRC IRAP)	Collaborative research and development - for academic institutions, non-profit organization, small and medium enterprises, governments and agencies.	NRC IRAP may fund the participation of Canadian SMEs. Other types of participants need to secure their own source of funding.
	Saskatchewan Advantage Innovation Fund (SAIF)	Funding program designed to accelerate commercialization of game-changing technological innovations. Industry consortium research project (mining, energy, manufacturing & processing, healthcare).	Lifetime cap of \$450,000.
	Innovation Saskatchewan: MIST Program	MIST Program connects SK provincial government to technology-based companies whose products could improve Government service delivery.	Up to \$30,000 for SK-based startup tech companies.
	European-Canadian Centre for Innovation and Research (ECCIR) & Alberta Innovates	Alberta-Europe International Technology Partnership Program. On the path of commercialization of : applied research and development, technology demonstration, prototype development and proof of concept.	Apply for up to \$250,000, up until \$1 million. Possible to get up to 20% of funding awarded as initial payment upfront.
Regional development	Western Economic Diversification Canada (Pacifcan & PrairiesCan): BSP – REGI	Productivity improvement, business scale-up and technology commercialization.	Subject to parliamentary decisions. Repayable funding.
	Western Economic Diversification Canada (Pacifcan &	Funding for business and organizations to help create jobs and help local economies achieve long-	Delivered by Canada's regional development agencies, \$700 million nationally over 3 years.



	PrairiesCan): Jobs and Growth Fund	term growth. Eligible applicants are businesses and non-profit organizations & community economic development.	Up to \$70M dedicated to businesses created after January 2020.
	Genome BC	Supports research projects, technology platforms and innovation initiatives with the aim of growing a globally competitive life sciences sector and delivering sustainable benefits.	Amounts vary depending on the program; Genesolve up to \$250,000, Industry Innovation: between \$500,000 and \$1,250,000.
	Ministry of Economy and Innovation of Québec	Project prioritized based on the government's strategic orientation in research and innovation.	Amounts range from \$150k to \$1.5 million based on the type of project and does not exceed 50% of eligible expenses.



1. CANADIAN FUNDING PROGRAMS FOR SCIENCE, TECHNOLOGY AND INNOVATION ACTIVITIES

1.1 Canadian Federal Funding Opportunities

AGRICULTURE AND AGRI-FOOD CANADA (AAFC)

FUND NAME: Internal Project Funding and International Opportunities Program Fund

- **Program Type:** Research and Development
- **Thematic Area:** Agriculture and Agri-food
- **Funding Opportunity:** These funds are only available to Agriculture and Agri-Food Canada (AAFC) researchers. AAFC provides funding for its internal researchers through its annual calls for proposals (A-base) process. AAFC researchers are encouraged to include their plans and requests for international cooperation projects in their A-base proposals. They are encouraged to plan 6-12 months in advance for their participation in international projects such as Horizon Europe. They are strongly advised to secure funding prior to co-submitting their Horizon Europe application, to avoid the risk of jeopardizing funding for their EU collaborators. Please consult the most current Request for Proposals for details including AAFC international science cooperation priorities.

The International Opportunity Program provides small amounts to supplement international cooperation non-full-time staff costs (e.g. travel, publications, part-time students, materials) by AAFC researchers on international priorities.

- **Eligibility Criteria:** AAFC researcher working on a current international priority.
- **Budget:** AAFC funding for projects varies: A-Base internal funding would support the bulk of the project work (wide range of project value), while funds from the International Opportunity Program could supplement smaller parts of the cooperation (typically ranges from \$10K to \$50K).
- **Application Deadline:** Application process is recurring, typically with a spring and a summer call. Deadlines vary. (Please see internal AAFC information on Request For Proposals)
- **Submission Process:** (Submit A-base proposal through internal Letter of Intent (LOI) process; submit an application for International Opportunities Program application)

For more information: [AAFC Science and Technology Branch International Engagement Division](#)

For all inquiries regarding AAFC participation in European Partnerships, please contact: Sara Sarkar, National Contact Point for Food Security, Sustainable Agriculture and the Bio-economy Senior Analyst, International Engagement Division Science and Technology Branch, Agriculture and Agri-Food Canada
Email: sara.sarkar@canada.ca



CANARIE

CANARIE connects Canadians to each other and to the world. The program equips Canadian researchers, students, and startups to excel on the global stage. Established in 1993, CANARIE is a non-profit corporation, with most of the funding provided by the Government of Canada.

FUND NAME: DAIR Cloud (the Digital Accelerator for Innovation and Research)

- **Program Type:** Technology Development
- **Thematic Area:** All
- **Funding Opportunity:** DAIR is a free service designed to help **Canadian entrepreneurs and small to medium businesses** accelerate their time to market and their learning of emerging technologies, while benefitting from the efficiencies and agility of cloud computing. **Any successful Canadian applicant can use this funding to leverage their ability to partner under Horizon Europe projects.** Participants are able to access:
 - » Generous monthly credits to spend on hosted-in-Canada public cloud resources through Amazon Web Services or Microsoft Azure, as well as access to Graphical Processor Units (GPUs), based on availability.
 - » BoosterPacks, curated packages of resources and sample code that support specific emerging technologies (e.g., IoT, machine learning, augmented reality). Each BoosterPack is built by a Canadian business with experience developing products or services using that technology, and willing to share their expertise with the next cohort of start-ups.
 - » A collaborative community of Canadian entrepreneurs and cloud development experts. Use our private Slack channel to chat with your peers and get tech support from our own DAIR Cloud experts.
- **Eligibility Criteria:** DAIR is available to all Canadian startups or small or medium-size business with fewer than 500 employees for the design, development, validation, and/or demonstration of a product or service.
- **Budget:** DAIR provides participants monthly credits to spend on hosted-in-Canada public cloud resources for each tenant for one year. There is no cost to access BoosterPacks or the DAIR community.
- **Application Deadline:** Ongoing
- **Submission Process:** Application is via a short online form on the CANARIE website. Applicants should expect to receive a response within three (3) business days.

For more information: <https://www.canarie.ca/cloud/>



CANADA FOUNDATION FOR INNOVATION (CFI)

Established in 1997 the **Canada Foundation for Innovation (CFI)** makes financial contributions to Canada's universities, colleges, research hospitals and non-profit research organizations to increase their capability to carry out high-quality research.

Research supported by CFI is helping build communities across Canada because CFI gives researchers the tools they need to think big and innovate. A robust innovation system also translates into jobs and new enterprises, better health, cleaner environments and, ultimately, vibrant communities. By investing in state-of-the-art facilities and equipment in Canada's universities, colleges, research hospitals and non-profit research institutions, CFI also helps to attract and retain the world's top talent, to train the next generation of researchers and to support world-class research that strengthens the economy and improves the quality of life for all Canadians.

Funding formula

The CFI will fund a maximum of 40 percent of the total eligible costs of the infrastructure project. The remainder must be provided by the institution(s) and/or eligible funding partners.

For more information: <https://www.innovation.ca/>

CFI Funding Programs

John R. Evans Leaders Fund

The John R. Evans Leaders Fund enables a select number of an institution's excellent researchers to undertake leading-edge research by providing them with the foundational research infrastructure required to be or become leaders in their field. In turn, this enables institutions to remain internationally competitive in areas of research and technology development, aligned with their strategic priorities.

This fund also offers institutions the opportunity to create competitive research support packages in the form of infrastructure and a portion of the operating and maintenance costs, coupled with direct research costs from partner organizations.

There are a total of five different streams under the John R. Evans Leaders Fund: the unaffiliated stream and four partnership streams.

- » JELF — Unaffiliated stream: This stream allows institutions to provide individuals or small groups of researchers (up to three) with research infrastructure necessary to conduct their research program.
- » JELF — Partnership streams: These streams are a result of a joint process that has been developed with the [Canada Research Chairs \(CRC\) Program](#), the [Canada Excellence Research Chair Program](#), the [Natural Sciences and Engineering Research Council of Canada \(NSERC\)](#) and the [Social Sciences and Humanities Research Council of Canada \(SSHRC\)](#). They offer eligible institutions and their researchers the opportunity to create competitive packages for the funding of infrastructure and research support. The purpose of this collaboration is to lessen the workload of both the applicant and the reviewers by reducing the number of proposals needed to secure both infrastructure and



research support, as well as to ensure an accurate and fair review of both infrastructure and research support requests.

For more information: <https://www.innovation.ca/awards/john-r-evans-leaders-fund>

Innovation Fund

The Innovation Fund provides investments in infrastructure, across the full spectrum of research, from the most fundamental to applied through to technology development. Projects funded through the Innovation Fund will help Canada remain at the forefront of exploration and knowledge generation while making meaningful contributions to generating social, health, environmental and economic benefits and addressing global challenges.

Competitions for the Innovation Fund are launched at intervals of 24 to 30 months and allow institutions to plan strategically and to propose mature projects, while continuing to develop promising ones for future competitions.

For more information: <https://www.innovation.ca/awards/innovation-fund>

College Fund

The College Fund was established to:

- » Create and enhance partnerships with the public, private or not-for-profit sectors that lead to innovation. These innovations must address social, business, health or environmental needs of a Canadian industry or community.
- » Enhance and optimize the proven applied research capacity of the college that is related to the proposed applied research or technology development activities.
- » Generate social, economic, health or environmental benefits locally or nationally including the development of highly qualified personnel.

Competitions for the College Fund are held annually and Colleges can submit proposals with total CFI requests between \$60,000 and \$1 million.

For more information: <https://www.innovation.ca/awards/college-industry-innovation-fund>

Major Science Initiative

The Major Science Initiative (MSI) Fund was created in 2010 to fund the operation and maintenance (O&M) and the scientific performance of national research facilities. The MSI is intended to:

- » Secure and strengthen state-of-the-art national research facilities that enable Canadian researchers to undertake world-class research and technology development that leads to social, health, economic, or environmental benefits to Canadians
- » Enable funded facilities to operate at an optimal level and to have their scientific and technical capabilities fully exploited
- » Promote the adoption of best practices in governance and management, including long-term strategic and operational planning in keeping with the scale and complexity of the facility



For more information: <https://www.innovation.ca/awards/major-science-initiatives-fund>

Exceptional Opportunities Fund

The Exceptional Opportunities Fund is designed to fund exceptional research opportunity that would be missed if channeled through the CFI's other funding programs. The Exceptional Opportunities Fund is designed to assist institutions and their partners in seizing such unique opportunities.

While most infrastructure projects require significant time to develop from conceptualization to implementation, there are rare instances where an exceptional research opportunity could be missed if it had to follow our regular national competition processes.

To qualify for this funding opportunity, a project must meet the following requirements:

- » It must take advantage of an exceptional and time-sensitive opportunity and partnership that justifies having the project considered outside the normal pan-Canadian competitive review process.
- » It requires the coordination and financial support of other relevant agencies for the funding of the research, the infrastructure and its operations in a timely manner.
- » The infrastructure component must be an indispensable element of the project.

For more information: <https://www.innovation.ca/awards/exceptional-opportunities-fund>

CANADIAN INSTITUTES OF HEALTH RESEARCH

The [Canadian Institutes of Health Research \(CIHR\)](#) is Canada's federal funding agency for health research. Composed of 13 Institutes, we collaborate with partners and researchers to support the discoveries and innovations that improve our health and strengthen our health care system.

FUND NAME: Project Grant

- **Program Type:** Research
- **Thematic Area:** Health
- **Funding Opportunity:** The [Project Grant program](#) is designed to capture ideas with the greatest potential for important advances in fundamental or applied health-related knowledge, health care, health systems, and/or health outcomes by supporting projects or programs of research proposed and conducted by **individual researchers or groups of researchers in all areas of health.**

The Project Grant program supports health research that is aligned with the CIHR mandate: "To excel, according to internationally accepted standards of scientific excellence, in the creation of new knowledge and its translation into improved health for Canadians, more effective health services and products, and a strengthened Canadian health care system". **Projects or programs that have a global health research focus, or include international collaborations, are eligible**



for support through the Project Grant program.

Funding for the Project Grant program is augmented by CIHR Institute [Priority Announcements](#) (PAs) that award grants in specific research areas relevant to the Institutes' mandates. PAs offer additional sources of funding for highly ranked applications in the Project competition that are relevant to specific research priority areas. Please see [ResearchNet](#) for the current PA.

- **Eligibility Criteria:** See [CIHR's website](#) and [ResearchNet](#) for up-to-date and detailed information on eligibility criteria for the Project Grant program. The core criteria for the 2020-21 program are as follows:

1. The Nominated Principal Applicant **must be**:
 - a) an [independent researcher](#) or a [knowledge user](#) **affiliated with a Canadian postsecondary institution and/or its affiliated institutions** (including hospitals, research institutes and other non-profit organizations with a mandate for health research and/or knowledge translation).

If the Nominated Principal Applicant is a [knowledge user](#), there must be at least one Principal Applicant who is an [independent researcher](#).

OR

- b) an individual affiliated with an Indigenous non-governmental organization in Canada with a research and/or knowledge translation mandate.

OR

- c) an Indigenous non-governmental organization in Canada with a research and/or knowledge translation mandate (see Administration of Funds, below).

2. The Nominated Principal Applicant must have their substantive role in Canada for the duration of the requested grant term.
3. Principal Applicants must be [independent researchers](#) or [knowledge users](#) (inclusion of one or more Principal Applicants is optional).
4. Co-Applicants can be one of the following (inclusion of one or more is optional):
 - o [independent researchers](#);
 - o [knowledge users](#);
 - o [trainees](#);
 - o other

- **Budget:** Please see [CIHR's website](#) and [ResearchNet](#) for up-to-date and detailed information on the budget for the Project Grant program.

- **Application Deadline:** Typically there are two competitions per year – Spring and Fall – for the Project Grant Program. Please see [CIHR's website](#) and [ResearchNet](#) for up-to-date information on application deadlines.



- **Submission Process:** Please review all instructions on “How to Apply” in the Project Grant funding opportunity on [ResearchNet](#). In general, the application process for this funding opportunity is comprised of two steps: Registration and Application. A Registration must be submitted to be eligible to submit a full application.

For more information: <https://cihr-irsc.gc.ca/e/193.html>

CIHR Contact Centre

Telephone: 613-954-1968

Toll Free: 1-888-603-4178

Email: support-soutien@cihr-irsc.gc.ca

CANADIAN INSTITUTES OF HEALTH RESEARCH

FUND NAME: Joint Transnational Calls

- **Program Type:** Research Calls for Proposals under public partnerships (P2Ps)
- **Thematic Area:** Health
- **Funding Opportunity:** CIHR’s objective is to support the involvement of Canadian researchers in international research consortia in a limited number of strategic Calls for Proposals launched under the EU Framework Programme. CIHR engagement in the EU Framework Programme is predominantly through public partnerships (i.e., P2Ps established under Horizon 2020) involving EU member states, Third Countries, Associated Countries, and the European Commission.

CIHR is a member of public partnerships in the following research areas:

- » [Active and Assisted Living](#)
- » [Antimicrobial Resistance](#)
- » [Cancer Research](#)
- » [Cardiovascular Diseases](#)
- » [Healthy diet for a healthy life](#)
- » [More years better lives](#)
- » [Neurodegenerative diseases](#)
- » [Neuron](#)
- » [Personalized Medicine](#)
- » [Rare Diseases](#)

Public partnerships typically launch Calls on an annual basis. CIHR determines its participation in Calls based on the topic, alignment with Canadian priorities and available funding. The remaining duration of the existing public partnerships varies as European Partnerships are ramped up under Horizon Europe.



When CIHR participates in a Call, funding is dedicated to support the **Canadian component of the transnational team** and a Funding Opportunity is posted on [ResearchNet](#). The CIHR Funding Opportunity supplements the Call posted on the Call Secretariat website: <https://www.era-learn.eu/> and highlights Canadian funds available, eligibility criteria and other relevant requirements. Calls for Proposals with Canadian dedicated funding are announced annually in the winter on CIHR's website: <https://cihr-irsc.gc.ca/e/27171.html> and [ResearchNet](#).

- **Eligibility Criteria:** It is required that the Canadian researcher(s) team will be an integral part of the larger international research team. In general, for an application to be eligible for CIHR funding:

1. The Nominated Principal Applicant must be an [independent researcher](#).
2. The Nominated Principal Applicant must be appointed at an **eligible institution** (see the [CIHR Application Administration Guide - Part 4](#)) at the time of application.

For an application to be eligible for European Partnerships' funding:

1. The Nominated Principal Applicant must apply with at least three (3) eligible partners from three different countries (see individual Calls for details).
2. Please note that additional eligibility criteria may apply for specific Calls. Please see Call specific information on the Call Secretariat website **AND** [ResearchNet](#) for further details. It is incumbent upon Canadian researchers to review and understand all expectations of the Calls.

- **Budget:**

- » The total budget available from CIHR and Canadian partners varies for each Call.
- » Typically, the funding available for the Canadian component of a transnational project varies between \$200,000 to \$900,000 for up to three years.
- » Funding from CIHR and its Canadian partners is provided directly to the Canadian Nominated Principal Applicant's institution.

- **Application Deadline:** For public partnerships, pre-proposals deadlines are typically between January and March and the full proposal deadlines are typically between April and July. For Call specific information please visit [CIHR's website](#) and [ResearchNet](#)

- **Submission Process:** Calls for proposals typically follow a two-step process for Canadian applicants: 1. Pre-Proposal to the Call Secretariat; and 2. Full Proposal to the Call Secretariat and Abbreviated Application to CIHR.

Step 1 - Pre-Proposal to the Call Secretariat

- » Pre-Proposals must be submitted using the Call Application form and submitted directly to the Call Secretariat.
- » Note that no documents need to be submitted to CIHR at this stage.

Step 2a - Full Proposal to the Call Secretariat

Full Proposals must be submitted to the Call Secretariat following the instructions in the Call.

Step 2b - Abbreviated Application of Full Proposal to CIHR



- » Canadian applicants must complete an abbreviated CIHR application and submit it using [ResearchNet](#).
- » The purpose of this additional application is to provide an overview of the proposed research including a description of the work to be conducted within Canada, an Operating Budget for the project, with the amounts quoted in Canadian dollars, and a complete justification for funds requested.

For further details on submission processes, please visit [CIHR's website](#) and [ResearchNet](#).

For all inquiries regarding application to CIHR, please contact:

CIHR Contact Centre

Telephone: 613-954-1968

Toll Free: 1-888-603-4178

Email: support-soutien@cihr-irsc.gc.ca

For service hours, please consult our [Contact us](#) page.

For all inquiries regarding CIHR participation in European Partnerships, please contact:

Danièle St-Jean

National Contact Point (NCP) for Health, Demographic and Well-being for Horizon 2020

Advisor, Strategic Partnerships and International Relations

Canadian Institutes of Health Research

Email: Daniele.St-Jean@cihr-irsc.gc.ca

FISHERIES AND OCEANS CANADA

Fisheries and Oceans Canada is the Canadian federal lead for safeguarding our waters and managing Canada's fisheries, oceans and freshwater resources. They support economic growth in the marine and fisheries sectors, and innovation in areas such as aquaculture and biotechnology.

FUND NAME: Ecosystems and Oceans Science Contribution Framework

- **Program Type:** Funding support for scientific research and related science activities.
- **Thematic Area:** Fisheries and Aquaculture Science, Ecosystem Science, Oceanography and Modelling, Hydrographic Science, Freshwater Science.
- **Funding Opportunity:** These funds support **scientific research and related scientific activities**, such as data collection, integration, monitoring, and communication, including communication via conferences and symposia, in support of areas under thematic areas of interest to the Department. **Projects supported by DFO's Ecosystems and Oceans Science Contribution Framework can leverage funding or in-kind contributions to join a Horizon Europe collaboration.**
- **Eligibility Criteria:** Eligible recipients will be selected from science research organizations able to conduct scientific research and related scientific activities of interest to the Department, and organizations and groups associated with the management, conservation, protection and



promotion of ocean and freshwater resources, including:

1. Canadian post-secondary academic institutions
2. Canadian non-governmental organizations
3. Indigenous organizations or groups
4. Canadian provincial, territorial, and municipal governments
5. Businesses and industry, including business and industry associations
6. Community groups
7. Canadian not-for-profit organizations
8. Foreign governments and international non-governmental organizations
9. Foreign Academic Institutions
10. Port Authorities

In the case of for-profit entities, only early stage research activities are eligible for funding. All eligible recipients must possess the legal capacity necessary to enter into a contractual agreement with DFO.

- **Budget:** Payments to eligible recipients under the Framework may be used to offset reasonable costs of projects incurred by a recipient. Funding is provided in accordance with the Canadian federal fiscal year (April-March) and varies from year to year.

- **Application Deadline:** Application deadlines for any open call process will be made available on the Fisheries and Oceans website and will vary according to the timing of each annual process.

- **Submission Process:** Applicants must submit a scientific project proposal and financial budget itemizing all project costs utilizing templates made available online as part of the application process: <https://www.dfo-mpo.gc.ca/science/partnerships-partenariats/funding-financement/overview-apercu/index-eng.html>

For more information: Please email DFO's Office of Partnerships and Collaboration OPC-BPC@dfo-mpo.gc.ca

INNOVATION CANADA

Innovation Canada provides single-window access to a tailored list of everything that government can do to help businesses innovate, create jobs and grow Canada's economy. Innovation Canada's flagship programs and service offerings include the Innovative Superclusters Initiative, the Strategic Innovation Fund, **Innovative Solutions Canada**, Explore IP, Clean Growth Hub, and the Accelerated Growth Service. Innovation Canada is part of the Government of Canada's department of **Innovation, Science and Economic Development**.

FUND NAME: Innovative Solutions Canada (ISC) Program

- **Program Type:** ISC is a Government of Canada R&D procurement program that supports



innovative **Canadian firms** to grow, and scale-up through the development and commercialization of R&D linked to Government of Canada priorities and operational requirements. ISC supports the full range of R&D activities of innovative Canadian firms through a **Challenge stream** focused on early-stage R&D and a **Testing stream** focused on testing of late-stage R&D (i.e. pre-commercial prototypes) in operational settings.

- **Thematic Area:** Various. ISC supports R&D related to a broad range of technology areas.
- **Funding Opportunity: Challenge Stream:** The Government of Canada is looking for innovators to solve challenges. As the single largest purchaser of Canadian goods and services, the Government of Canada has a unique opportunity to support the growth of Canadian innovators and entrepreneurs. We need **Canadian small businesses and innovators** to develop novel solutions to these challenges. Through the ISC program, we are partnering with eligible Canadian small businesses and facilitating the development, testing and validation of prototypes, as well as preparing a pathway to commercialization. **Successful applicants may be able to leverage their participation in ISC by partnering with a Horizon Europe consortium to further advance their endeavors.**

- » If your idea is selected, you could receive funding to develop a proof of feasibility.
- » If your proof of feasibility is approved, you could receive funding to develop a prototype.
- » If the developed innovation solves the Government of Canada's challenge, we could be your first buyer.
- » Available funding is identified in each individual challenge.

Testing Stream: The Government of Canada buys and tests your pre-commercial goods and services in a real-life setting. The program leverages its government partnerships to enable your innovation to be tested and to provide you with valuable feedback before you launch your innovation into the marketplace.

- **Eligibility Criteria: Challenge Stream:** Solution proposals can only be submitted by a small business that meets all of the following criteria:

- » For profit
- » Incorporated in Canada (federally or provincially)
- » 499 or fewer full-time equivalent (FTE) employees
- » Research and development activities that take place in Canada
- » 50% or more of business activities must occur in Canada as defined under each challenge

Testing Stream:

- » Must meet definitions for Canadian content and Ownership
- » Pre-commercial status: The proposed innovation must not be openly available in the marketplace, and must not have been previously sold on a commercial basis as of the date of this bid submission
- » Maximum funding: The Bidder's financial proposal must not exceed the relevant



component's maximum funding amounts

» Visit [ISC's website](#) to find eligibility on small and medium enterprise call for proposals

- **Budget:** ISC's **Challenge Stream** provides up to \$150K for Phase 1 – Proof of feasibility, and up to \$1M for Phase 2 – Prototype development. ISC's **Testing Stream** has maximum available funding of \$550,000 for non-military innovations, and \$1,150,000 for military innovations.
- **Application Deadline:** At varying intervals each year, the program launches challenges under its **Challenge Stream**. Application periods are dependent on needs of federal departments. The program also typically launches 2-3 Calls for Proposals each year under its **Testing Stream** dependent on available funding, usually with a 3-week application period.
- **Submission Process:** Interested applicants must sign up for an account through [ISC's website](#) to apply for Challenge or Testing Stream funding opportunities.

Challenge Stream: Phase 1 – Officials from the sponsoring department and from the National Research Council's Industrial Research Assistance Program (IRAP) evaluate the proposals received in response to the challenge. Awardee(s) receive funding to prove how they will solve the challenge. Awardee(s) have up to 6 months to submit a proof of feasibility report. Once completed, awardees are automatically invited to submit a Phase 2 application. **Phase 2**— Officials from the sponsoring department and IRAP evaluate the Phase 1 reports and Phase 2 proposals. Selected Awardee(s) receive funding and are given up to 2 years to develop their prototype and complete their Phase 2 report.

Testing Stream Proposals are evaluated by IRAP and Public Services and Procurement Canada (PSPC). Successful proposals are entered into a pool of eligible innovations available for testing. Departments and agencies then identify innovations of interest. Based on available budget, ISC greenlights projects for test plan development. Once a test plan is established, the project is referred to PSPC for contract negotiation. Upon contract award, innovation testing can begin.

For more information: See [ISC's website](#) or email the [program mail-box](#). For notifications regarding potential funding opportunities, subscribe to [ISC's mailing list](#).

MITACS

MITACS is a national, not-for-profit organization that has designed and delivered research and training programs in Canada for 20 years. Working with over 70 Canadian universities, over 6,000 companies, and both federal and provincial governments, Mitacs builds partnerships between academia, industry, and the world – to create a more innovative Canada.

FUND NAME: Mitacs Globalink Research Awards (GRA) and Accelerate International (IACC)

- **Program Type:** Research exchange
- **Thematic Area:** All



- **Funding Opportunity:**

Globalink Research Award for **academic internships**: Award amount is \$6,000. Projects are supervised by a Canadian home supervisor and a host supervisor at a university in one of Mitacs's partner countries or regions. For the MSCA RISE - Mitacs arrangement, the host supervisor must be supported by a Research and Innovation Staff Exchange (RISE) grant. Travel duration must be between 12-24 weeks. Find the eligibility criteria, award details and the application package on the [Mitacs Globalink Research Award webpage](#).

Accelerate International for **industrial internships**: Award amount is \$15,000. Projects are supervised by a Canadian home academic supervisor, a host academic supervisor and/or a host industry supervisor in one of the Horizon Europe countries. The host supervisor must be supported by a Research and Innovation Staff Exchange (RISE) grant. Travel duration depends on the level of study — please consult the website. Find the eligibility criteria, award details and the application package on the [Mitacs Accelerate International webpage](#).

- **Eligibility Criteria:** Canadian Master's, PhD and postdoctoral researchers in RISE projects.
- **Budget:** CAD \$6,000 award for the GRA program; CAD \$15,000 for the iAcc program.
- **Application Deadline:** MSCA Research and Innovation Staff Exchanges (RISE) grant competition.
- **Submission Process:** Successful applicants of the MSCA Research and Innovation Staff Exchanges (RISE) grant competition are invited to connect with Mitacs to discuss eligibility criteria.

Mitacs Entrepreneur International for a network of international accelerators and incubators linked to an academic institution. Travel grants of up to \$5000, and up to 5 grants for each start-up. The program supports start-ups in their growth and helps them explore new opportunities on international markets, with 36% heading to Europe. For eligibility criteria and application details, see the [Entrepreneur International page](#).

For more information: Please contact gra@mitacs.ca.

NATIONAL RESEARCH COUNCIL OF CANADA

The **National Research Council of Canada** (NRC) is Canada's largest federal research and development organization with over 2,000 researchers at over 20 locations across Canada.

The NRC partners with Canadian industry to take research impacts from the lab to the marketplace, where people can experience the benefits. This market-driven focus delivers innovation faster, enhances people's lives and addresses some of the world's most pressing problems. We are responsive, creative and uniquely placed to partner with Canadian industry, to invest in strategic R&D programming that will address critical issues for our future.

Each year, our scientists, engineers and business experts work closely with thousands of



Canadian firms, helping them bring new technologies to market. We have the people, expertise, services, licensing opportunities, national facilities and global networks to support Canadian businesses.

The NRC plays a leading role in providing Canada with strategic S&T information, intelligence and connections to centres of advanced S&T around the world. The NRC has created valuable international linkages and networks that help transfer S&T information back to Canadian firms, universities and public sector partners, and also generate new business opportunities for Canadian small and medium-sized enterprises.

FUND NAME: [NRC Collaborative R&D](#)

- **Program Type:** Support is offered for collaborative research and development, and prototype development intended to support research, development, adoption and/or adaptation of innovative or technology-driven new or improved products, services or processes in Canada.
- **Thematic Area:** Alignment with [NRC challenge programs](#) and [supercluster support programs](#).

Current NRC Challenge Programs:

- » [Pandemic Response Challenge Program](#)
- » [Materials for Clean Fuels Challenge Program](#)
- » [High-throughput and Secure Networks Challenge Program](#)
- » [Artificial Intelligence for Design Challenge Program](#)
- » [Disruptive Technology Solutions for Cell and Gene Therapy](#)
- » [Aging in Place Challenge Program](#)
- » [Internet of Things: Quantum Sensors Challenge Program](#)
- » [Arctic and Northern Challenge Program](#)
- » [Applied Quantum Computing](#)

Current NRC supercluster support programs:

- » Advanced Manufacturing
 - » Digital Health and Geospatial Analytics
 - » Ocean
 - » Sustainable Protein Production
 - » Artificial Intelligence for Logistics
- **Funding Opportunity:** Grant or contribution funding limits depend on the call for proposals. Salaries, research support costs, travel and accommodation, equipment and indirect costs are eligible for grant and contribution funding, you will find more details [here](#).
 - **Eligibility Criteria:** Eligible recipients include: **academic institutions, non-profit organizations, small and medium-sized enterprises up to 500 employees, provincial, territorial, regional, and municipal governments and agencies, and Indigenous governments and organizations.** Large companies of more than 500 employees are not eligible



to receive grant and contribution funding but may collaborate as part of the NRC's programs and initiatives.

Grant and contribution funding is available for international collaborators, including participation in Horizon Europe consortia, where there is a benefit to Canada.

- **Budget:** Grant or contribution funding limits depend on the call for proposals.
- **Application Deadline:** Deadlines are announced with calls for proposals in addition there are some ongoing opportunities. We recommend contacting the NRC with your specific questions for more detailed information.
- **Submission Process:** Process will be indicated in the call for proposal.

For more information: See NRC Canada's webpages on [NRC's global reach](#) and on [Grants and Contribution Funding for Collaborators](#). For project specific advice please contact Marta Farsang, Director, International Relations, National Research Council of Canada: marta.farsang@nrc-cnrc.gc.ca

FUND NAME: National Research Council of Canada Industrial Research Assistance Program (NRC IRAP)

- **Program Type:** NRC IRAP provides advice, connections, and funding to help Canadian small and medium-sized businesses increase their innovation capacity and take ideas to market.
- **Thematic Area:** All technology and market sectors.
- **Funding Opportunity:** Technology innovation projects, Youth employment strategy, and [NRC IRAP International opportunities](#).
- **Eligibility Criteria:** Incorporated, profit-oriented small or medium-sized business in Canada having 500 or fewer full-time equivalent employees and planning to pursue growth and profit by developing and commercializing innovative, technology-driven new or improved products, services or processes in Canada.
- **Budget:** Financial contribution to share the costs of R&D project activities.
- **Application Deadline:** See below.
- **Submission process:** If you meet the eligibility criteria, connect with NRC IRAP by calling 1-877-994-4727 to find out if your business is eligible for NRC IRAP support. If we determine that NRC IRAP support could benefit your development and growth strategies, we will refer you to an industrial technology advisor (ITA). Following your ITA's assessment of your business and proposed project, they may invite you to develop a project proposal for financial support through NRC IRAP.

For more information: [Financial support for technology innovation through NRC IRAP - National Research Council Canada](#)

FUND NAME: Eureka



- **Program Type:** [Σeureka](#) is the world's biggest platform for international cooperation in R&D and innovation. It is an international network for market-driven industrial R&D that includes over 45 economies from the EU, Europe, Israel, South Korea, Argentina, Chile, Singapore and Canada. Through Canada's associate membership in Eureka, Canadian innovators have a new advantage in accessing technology, expertise, and markets in Europe and beyond. The NRC is the national contact point in Canada.

Eureka Instruments (programs):

- **Network** projects is Eureka's original, flexible, bottom-up cooperation programme. Network projects has a simple mechanism and evaluation methodology that eases international collaboration for both participating National funding bodies and the companies, universities and research organizations applying for funding. National funding bodies can initiate or opt into calls for projects according to national priorities and budget, and the programme allows for any additional rules and eligibility and evaluation assessments.
 - **Eurostars** is a funding instrument that supports innovative SMEs and project partners (large companies, universities, research organizations and other types of organizations) by funding international collaborative R&D and innovation projects. By participating, organizations from 37 countries can access public funding for international collaborative R&D projects in all fields.
 - **Clusters** facilitates funding for industry-led mid- to long-term R&D projects that can include organizations along a whole value chain. Each of the Clusters supports thematic communities comprised of large companies, SMEs, research organizations, universities and end-users.
- **Thematic Area:** All technology and market sectors, for projects with an exclusively civilian purpose.
 - **Funding Opportunity:** Funding for Canadian participants to Eureka projects is available to small and medium-sized businesses through NRC IRAP. Other Canadian organizations must self-fund, or participate as contractors for NRC IRAP funded businesses.
 - **Eligibility Criteria:** See "Eligibility" for each Eureka Instrument under [Eureka | In your country - Canada](#)
 - **Budget:** Funding for eligible Canadian SMEs according to NRC IRAP terms and conditions.
 - **Application Deadline:** Varies per Instrument.
 - **Submission process:** See "Apply" for each Eureka Instrument under [Eureka | In your country - Canada](#)

For more information: [Eureka | In your country - Canada](#), [NRC IRAP International opportunities](#) and Eric.Holdrinet@cnrc-nrc.gc.ca.

NATURAL SCIENCES AND ENGINEERING RESEARCH COUNCIL OF CANADA



The **Natural Sciences and Engineering Research Council of Canada** (NSERC) is the federal funding agency for academic research in the fields of natural sciences and engineering. The agency supports university and college students in their advanced studies, promotes and supports [discovery research](#), supports partnerships between Canadian and international researchers, and fosters innovation by encouraging [Canadian companies, , not-for-profits, and public sector organizations to participate](#) and invest in postsecondary research projects.

FUND NAME: Alliance International Grants

- **Program Type:** Alliance International grants will provide support for researchers in Canada to work with leading international researchers **from the academic sector**, and to establish and grow international research collaborations and projects that have a high potential for impact in NSE disciplines. The overall objectives are to: 1) allow Canadian researchers to initiate the development of international collaborations; and 2) provide support for Canadian researchers participating in international collaborative projects of global importance and benefit to Canada.

- **Thematic Area:** Any R&D project that seeks to respond to a research challenge in the natural sciences or engineering.

- **Funding Opportunity:** Two grant types are offered under this funding opportunity. **Catalyst grants** will provide funding for one year to support Canadian university researchers in initiating international academic research collaborations in the NSE disciplines. These grants will allow Canadian researchers to identify and initiate the first stage of collaboration with the intent of supporting exploratory research activities and initiating exchanges for Canadian personnel where appropriate. **Collaboration grants** will allow Canadian researchers to participate in international academic projects and leverage the best international expertise in the NSE disciplines to help address research challenges of impact and benefit for Canada. International academic collaborators are expected to have already secured funding from their own national funding agency for the collaborative project and identified the Canadian academic researcher(s) in their proposal. Each collaborator must actively play a role in the project. This proposal must have been peer-reviewed. The eligible Canadian researchers participating in the international project can then apply for a Collaboration grant to cover the costs of their participation in the global-scale project, up to \$100,00/year for up to three years. The funding obtained by the international academic collaborator(s) must be at least equal to the amount requested from NSERC. Both grant types cannot be used to support secret or contract research, nor can they be used to support the work or expenses incurred by the international collaborator(s).

- **Eligibility Criteria:** If you are a Canadian university researcher who is eligible to receive NSERC funds, you can apply on your own or as a team with co-applicants who are also eligible academic researchers. You and any Canadian co-applicants must have an active NSERC peer-reviewed grant, as primary applicant, at the time of application. At the time of application, you must identify at least one international academic researcher with whom you will collaborate. In the case of an Alliance International Collaboration grant, your international collaborator must have secured funding from their own funding agency at the time of your application to NSERC. Alliance International is intended to fund academic to academic collaborations. Partners from the private, public or not-for-profit sectors are not accepted nor are applications involving these types of partners.



- **Budget:** **Catalyst grants:** \$20,000 to \$25,000 for one year.

Collaboration grants: Up to \$100,000 per year for up to 3 years

- **Application Deadline:** There is no application deadline, you can apply at any time. You are limited to one application within a 12-month period as either applicant or co-applicant for each grant type. The review mechanism, and expected assessment time differ for each grant type (refer to the [Alliance International Grants](#) website).

- **Submission process:**

- Fill out the proposal template following the [instructions](#) for completing an Alliance International grant application.
- Submit your completed application and supporting documents for the applicant, all co-applicants, and the biosketch of your international collaborator(s) through [NSERC's online system](#).

For more information: See [NSERC's webpage on Alliance International Grants](#); or contact NSERC: allianceinternational@nserc-crsng.gc.ca; 1-855-275-2861

FUND NAME: Alliance Grants

- **Program Type:** Research/ Training/ Innovation/ Technology development/ Application of research results.

- **Thematic Area:** Any R&D project that seeks to respond to a research challenge in the natural sciences or engineering.

- **Funding Opportunity:** Alliance grants encourage **university researchers** to collaborate with partner organizations, which can be from the private, public or not-for-profit sectors. These grants support research projects led by strong, complementary, collaborative teams that will generate new knowledge and accelerate the application of research results to create benefits for Canada.

- **Eligibility Criteria:** If you are a Canadian university researcher who is eligible to receive NSERC funds, you can apply on your own or as a team with co-applicants who are also eligible academic researchers. You must have at least one partner organization (in the private, public or not-for-profit sector) whose cash contributions will be recognized for cost-sharing but you may include other partner organizations who play an important role in your research project whether or not their cash contributions are recognized for cost sharing. **Any successful Canadian applicants can use this funding to leverage their ability to partner under Horizon Europe projects.**

International collaborations can be built into project proposals in a variety of ways to enhance collaboration and increase your project's impact. Refer to the Alliance Grants website for more information regarding the eligibility of expenses you may incur in support of such collaborations.

- **Budget:** Funding is available from \$20,000 to \$1 million per year over 1 to 5 years.
- **Application Deadline:** There is no application deadline, you can apply at any time. The number of applications, review mechanism, and expected assessment time differ for each cost-sharing option (more information on the Alliance Grants website).

- **Submission Process:**

- » Fill out the proposal template following the instructions for completing an Alliance



grant application.

- » Submit your completed application and supporting documents for the applicant and all co-applicants, through [NSERC's online system](#).
- » The contact person from your partnering organization (s) will be invited through NSERC's online system to provide information about the partner organization.

For more information: See NSERC's webpage on [Alliance Grants](#); or contact NSERC: alliance@nserc-crsng.gc.ca; 613-995-1111

SOCIAL SCIENCES AND HUMANITIES RESEARCH COUNCIL

Social Sciences and Humanities Research Council (SSHRC) is the federal research funding agency that promotes and supports postsecondary-based research and training in the humanities and social sciences.

FUND NAME: Insight Grants (IG)

- **Program Type:** Insight Grants support research excellence in the social sciences and humanities. These grants enable scholars to address complex issues about individuals and societies, and to further our collective understanding.
- **Thematic Area:** Open.
- **Funding Opportunity:** Funding is available to both **emerging and established scholars** for research initiatives of two to five years. Applicants choose from one of two streams, depending on the amount of funding required.
- **Eligibility Criteria:** Applicants (except postdoctoral researchers and PhD students) must be affiliated with an eligible Canadian postsecondary institution at the time of application and before funding can be released. Researchers who maintain an affiliation with a Canadian postsecondary institution, but whose primary affiliation is with a non-Canadian postsecondary institution, are not eligible for applicant status. See [subject matter eligibility](#) for more information.

Canada-based applicants can name Europe-based researchers as collaborators.

- **Budget:** Stream A: \$7,000 to \$100,000; Stream B: \$100,001 to \$400,000, 2 to 5 years.
- **Application Deadline:** Competitions are run annually; see [Insight Grants](#) for the next deadline.
- **Submission Process:** The deadlines and application process are identical for both streams. Applicants must complete the [application form](#) in accordance with [accompanying instructions](#). Applications must be submitted electronically by an authorized research grants officer, or equivalent, from the applicant's institution. Eligible PhD students and postdoctoral researchers may submit their applications directly to SSHRC.

For more information: See SSHRC's webpage on [Insight Funding](#)



SOCIAL SCIENCES AND HUMANITIES RESEARCH COUNCIL

FUND NAME: Insight Development Grants (IDG)

- **Program Type:** Insight Development Grants support social sciences and humanities research in its initial stages. The grants enable the development of new research questions, as well as experimentation with new methods, theoretical approaches and/or ideas.

- **Thematic Area:** All

- **Funding Opportunity:** Insight Development Grants foster research in its early stages, and are not intended to support large-scale initiatives. Proposed projects can involve, but are not limited to, the following types of research activities: case studies, pilot initiatives and critical analyses of existing research.

- **Eligibility Criteria:** Applications may be submitted by an **individual researcher or a team of researchers** (consisting of one applicant and one or more co-applicants and/or collaborators). Applicants (except postdoctoral researchers and PhD students) must be affiliated within eligible Canadian postsecondary institution at the time of application and before funding can be released.

Canada-based applicants can name Europe-based researchers as co-investigators or collaborators.

- **Budget:** Insight Development Grants are valued at up to \$75,000 over one to two years. A minimum budget of \$7,000 in at least one of the years is required. For the February 2023 competition, at least 50% of funds are reserved for applications from emerging scholars.

- **Application Deadline:** Competitions are run annually; see Insight Development Grants for the next deadline.

- **Submission Process:** Applicants must complete the application form in accordance with accompanying instructions. Applications must be submitted electronically by an authorized research grants officer, or equivalent, from the applicant's institution. Eligible PhD students and postdoctoral researchers can submit their applications directly to SSHRC.

For more information: See SSHRC's webpage on [Insight Development Grants](#)

SOCIAL SCIENCES AND HUMANITIES RESEARCH COUNCIL

FUND NAME: Partnership Grants (PG)

- **Program Type:** Partnership Grants support **formal partnerships between academic researchers, businesses and other partners** that will advance knowledge and understanding on critical issues of intellectual, social, economic and cultural significance.

- **Thematic Area:** All

- **Funding Opportunity:** A range of types of partnerships are funded:

» **Disciplinary and interdisciplinary research partnerships:** Inter-institutional research initiatives designed to make a significant contribution to advancing knowledge and



understanding in the social sciences and/or humanities. While SSHRC welcomes proposals for interdisciplinary research partnerships involving natural sciences, engineering and/ or health partner organizations, partnerships of this nature must follow SSHRC's [subject matter eligibility guidelines](#)

- » **Cross-sector co-creation of knowledge and understanding:** Partnerships to foster innovative research, training and the co-creation of new knowledge on critical issues of intellectual, social, economic and cultural significance.
- » **Networks for research and/or related activities:** Networks designed to advance the innovative co-creation of knowledge, as well as training and mobilization of research, on critical issues of intellectual, social, economic and cultural significance.
- » **Partnered knowledge mobilization:** Partnerships designed to synthesize, apply and mobilize new and existing social sciences and humanities research knowledge in accessible ways to build institutional capacity and to increase the national and international impact and stature of Canadian research.

- **Eligibility Criteria:** Applications may be submitted by a team of researchers (consisting of one [applicant](#) / project director and one or more [co-applicants](#) and/or [collaborators](#)). The applicant / project director prepares the application on behalf of the [partner organizations](#) of the [formal partnership](#).

Canada-based applicants can name Europe-based researchers as co-investigators or collaborators. Applications can include European institutions as Partners.

- **Budget:** Applications successful in Stage 1 are valued at up to \$20,000. Partnership Grants in Stage 2 are valued at up to \$500,000 per year over four to seven years, up to a total of \$2,500,000.
- **Application Deadline:** Competitions are run annually; see [Partnership Grants](#) for the next deadline.
- **Submission Process:** Applicants must complete the [application form](#) in accordance with [accompanying instructions](#). Eligible PhD students and postdoctoral researchers can submit their applications directly to SSHRC.

For more information: See SSHRC's webpage on [Partnership Grants](#).

SOCIAL SCIENCES AND HUMANITIES RESEARCH COUNCIL

FUND NAME: Partnership Development Grants (PDG)

- **Program Type:** Partnership Development Grants support smaller-scale or early stage formal partnerships between academic researchers, businesses and other partners that will advance knowledge and understanding on critical issues of intellectual, social, economic and cultural significance.
- **Thematic Area:** Open
- **Funding Opportunity:** Partnership funding is intended for formal **partnerships between postsecondary institutions and/or organizations of various types**. For more information, see



the definitions for [formal partnership](#) and [partner organization](#).

These grants provide support over one to three years to teams/partnerships, led by a project director, to:

- » develop research and/or related activities in the social sciences and humanities - these can include knowledge mobilization and the meaningful involvement of students and [emerging scholars](#), by fostering new partnerships with existing and/or potential partners; or
 - » design and test new partnership approaches for research and/or related activities that can result in best practices or models - these can either be adapted by others or have the potential to be scaled up to a regional, national or international level.
- **Eligibility Criteria:** Applications may be submitted by a team of researchers (consisting of one [applicant](#) / project director and one or more [co-applicants](#) and/or [collaborators](#)). The applicant / project director prepares the application on behalf of the [partner organizations](#) of the [formal partnership](#). Applicants (except postdoctoral researchers and students) must be affiliated with an [eligible Canadian institution](#) at the time of application.

Canada-based applicants can name Europe-based researchers as co-investigators or collaborators. Applications can include European institutions as Partners.

- **Budget:** Partnership Development Grants are valued at \$75,000 to \$200,000, over one to three years.
- **Application Deadline:** Competitions are run annually; see [Partnership Development Grants](#) for the next deadline.
- **Submission Process:** Applicants must complete the [application form](#) in accordance with [accompanying instructions](#).

For more information: See SSHRC's webpage on [Partnership Development Grants](#).

TRI-AGENCY PROGRAMS

SSHRC also delivers tri-agency programs that **support postsecondary-based research and training** in all disciplines.

FUND NAME: New Frontiers in Research Exploration Stream

- **Program Type:** The goal of the Exploration stream is to inspire high-risk, high-reward and interdisciplinary research.
- **Thematic Area:** Open.
- **Funding Opportunity:** Generates opportunities for Canada to build strength in high-risk, high-reward and interdisciplinary research. Exploration stream grants support projects that:
 - » **bring disciplines together** beyond traditional disciplinary or common interdisciplinary



approaches

- » propose to **explore something new**, which **might fail**
- » have the **potential for significant impact**

- **Eligibility Criteria:** The NFRF Exploration stream eligibility criteria can vary between competitions. See [NFRF Exploration](#) for details.

Canada-based applicants can name Europe-based researchers as co-investigators.

- **Budget:** \$125,000 per year (including up to 25% for indirect costs) for up to 2 years.
- **Application Deadline:** Application deadlines can vary between competitions. See [NFRF Exploration](#) for details.
- **Submission Process:** All applications are completed through the [Convergence Portal](#).

For more information: See SSHRC's webpage on [Exploration](#) funding.

TRI-AGENCY PROGRAMS

FUND NAME: New Frontiers in Research Transformation Stream

- **Program Type:** Provides large-scale support for Canada to build strength and leadership in interdisciplinary and transformative research.
- **Thematic Area:** Open. The challenge may be fundamental, leading to a scientific breakthrough, or applied, with a social, economic, environmental or health impact.
- **Funding Opportunity:** Transformation stream grants will support projects that:
 1. tackle a **well-defined** problem or challenge
 2. propose a **novel world-leading** approach that is different from the current state-of-the-art approaches to the issue
 3. are **interdisciplinary**, bringing different perspectives to the defined problem
 4. have the potential to be **transformative**, defined as the potential to **create a significant and real change or impact**—a noticeable leap or tangible breakthrough rather than an incremental advance
- **Eligibility Criteria:** The NFRF Transformation stream eligibility criteria can vary between competitions. See [NFRF Transformation](#) for details.

Canada-based applicants can name Europe-based researchers as co-investigators.

- **Budget:** Grants between \$2,000,000 and \$4,000,000 (including up to 25% for indirect costs) per year for 6 years.
- **Application Deadline:** Application deadlines can vary between competitions. See [NFRF Transformation](#) for details.
- **Submission Process:** All applications are completed through the [Convergence Portal](#).



For more information: See SSHRC's webpage on [Transformation](#) funding.

TRI-AGENCY PROGRAMS

FUND NAME: New Frontiers in Research International Stream

- **Program Type:** Enhances opportunities for Canadian researchers to participate in research with international partners.
 - **Thematic Area:** Open and targeted.
 - **Funding Opportunity:** The NFRF International stream supports various funding mechanisms:
 - » **Joint calls:** Joint funding calls with international agencies on topics of international relevance
 - » **Global platforms:** Dedicated funds to support participation of Canadian researchers within international teams in projects seeking funding from major global platforms
 - **2022 Horizon Global Platform Competition:** This competition provides funding for Canadian researchers who are partners on research and innovation actions under Horizon Europe's Pillar II and have been awarded Horizon Europe project funding.
 - Registration deadline: One week after the Horizon Europe application deadline for an eligible call.
 - Application deadline: Two weeks after the review results from a Horizon Europe call are communicated to the project team
 - **Value:** \$250,000 per year (including indirect costs)
 - **Eligibility Criteria:** Eligibility can vary between competitions. See [NFRF international](#) for details.
 - **Budget:** Available budget can vary between competitions. See [NFRF international](#) for details.
 - **Application Deadline:** Application deadlines can vary between competitions. See [NFRF international](#) for details.
 - **Submission Process:** All applications are completed through the [Convergence Portal](#).
- For more information:** See SSHRC's webpage on [NFRF International](#) funding.

TRI-AGENCY PROGRAMS

FUND NAME: Biomedical Research Fund and Biosciences Research Infrastructure Fund

- **Program Type:** Large scale support for high-risk, applied research, training and talent development, as part of a suite of foundational investments to establish a resilient, robust domestic bio manufacturing sector in Canada.
- **Thematic Area:** Open and targeted.



- **Funding Opportunity:** integrated program delivery features a two-stage competitive process:
 - » Selection of three to five research hubs
 - » Open, national call for proposed partnered research and infrastructure projects associated with the selected research hubs
- **Eligibility Criteria:** To be eligible for hub funding (Stage 1) or research project / research infrastructure funding associated with selected hubs (Stage 2), institutions must:
 - » Meet the eligibility requirements for any one of the three federal research funding agencies (See the eligible institutions of [CIHR](#), [NSERC](#) and [SSHRC](#))
 - » In the case of a public institution, it must receive the funds for its operating budget directly from a provincial or the federal government, and not through another institution;
 - » In the case of a private institution, it must be not-for-profit and not receive its funding through another institution; and
 - » Be [eligible to the CFI](#) to be considered for research infrastructure funding
- **Budget:** Up to \$225 million over four years
- **Application Deadline:** August 11, 2022 for stage 1 (To be determined for stage 2)
- **Submission Process:** All applications are completed through the [Convergence Portal](#).

For more information : See the website of SSHRC fund [CBRF](#)

WESTERN ECONOMIC DIVERSIFICATION CANADA

Formerly known as **Western Economic Diversification Canada (WD)**, **Pacific Economic Development Canada (Pacifcan)** and **Prairies Economic Development Canada (PrairiesCan)** are part of a federal department that promotes economic growth in Western Canada. Its programs and services help businesses, not-for-profits, and communities grow stronger by focusing on business development, innovation, and community development.

The now separate agencies – **Pacific Economic Development Canada** (British Columbia) and **Prairies Economic Development Canada** (Alberta, Saskatchewan, and Manitoba) provide the same programs, streamlined through Pacifcan or PrairiesCan.

FUND NAME: Business Scale-up and Productivity (BSP) - A stream of Regional Economic Growth through Innovation (REGI)

- **Program Type:**
 - » Productivity improvement
 - » Business scale-up
 - » Technology commercialization



- **Thematic Area:**

- » Advanced Manufacturing
- » Clean Resources
- » Clean Technology
- » Digital Industries
- » Health/Bio-sciences
- » Natural Resources Value-added Processing

- **Funding Opportunity:** Funding offered under this stream **supports high-growth businesses** that are scaling up and producing innovative goods, services or technologies. It offers **interest-free repayable funding** to incorporated businesses. Preference will be given to proposals with a demonstrated focus on:

- » Clean Technology
- » Food and Ingredients Processing
- » Health Analytics and Diagnostics
- » Zero Emission Heavy Equipment Vehicles

Preference may be given to **small and medium-sized enterprises (SMEs)** with less than 500 full-time employees (FTEs). **BSP funding may support western Canadian entrepreneurs and innovators as they collaborate with international partners in Horizon Europe.**

- **Eligibility Criteria:** The **BSP** program is open to incorporated **high-growth businesses** (any for-profit company that has notable and/or consistent revenue increases year over year, typically at least 20% year over year) that have been operating in western Canada for a minimum of 2 years. Businesses must meet the following mandatory criteria:

- » high-growth business that is scaling up and producing innovative goods, services or technologies
- » incorporated to do business in Canada
- » have been in business for at least 2 years in Canada
- » have staffed operating facilities in Western Canada (defined as British Columbia, Alberta, Saskatchewan or Manitoba)
- » have confirmed, at the time of expression of interest submission, funding from all other sources, including government and non-government (non-government funding must represent at least 50% of the proposed project costs)

- **Budget:** Subject to parliamentary decisions, WD currently has a budget of up to \$30 million available for investments to support departmental priorities in 2020/21. Total support to any one organization cannot exceed \$10M over the life of the BSP program (2018-2023).

- **Application Deadline:** The BSP stream has multiple intakes per year, based on demand and available funding, during which businesses are invited to submit their Expression of Interest (EOI).



WD will accept only one EOI per business for each intake. In addition, businesses will be limited to one successful application per year. EOIs that have not been invited to submit an application, will not be automatically considered in subsequent intakes. Re-submission of your EOI in a future intake will be required.

- Submission Process:

1. The business submits to WD via email (with a subject line of “BSP Expression of Interest”) the following documentation:
 - a. A completed EOI form.
 - b. Financial statements for the past 2 years, as well as interim financial statements for at least the last 6-month period.
 - c. Confirmation of other funding sources (e.g. bank statements, unused portion of lines of credit, official letters of intent, funding agreements, signed term sheets).
 - d. Other supporting information (e.g. business plan, pitch deck) detailing your organization, how it meets the high-growth definition, and details about the proposed project.
2. Within 30 calendar days of the close of the intake, WD will invite selected companies to submit a full application for funding consideration. If you have not been contacted, your project will not be considered further.

For more information: See WED’s BSP webpage: [PrairiesCan](#) and [PacifiCan](#)

WESTERN ECONOMIC DIVERSIFICATION CANADA

FUND NAME: Regional Innovation Ecosystems (RIE)

- **Program Type:** A stream of *Regional Economic Growth through Innovation* (REGI)
 - » Not-for-profits
 - » Business supports
- **Thematic Area:** Activities that support a regional innovation ecosystem to respond to a specific challenge, opportunity, or market need or demand related to business scale-up and productivity, with emphasis on:
 - » Technology Commercialization
 - » Business Scale-Up
 - » Productivity Improvement
 - » Ecosystem Capacity Building
 - » Business Acceleration and Incubation
- **Funding Opportunity:** RIE is open to not-for-profit organizations that support businesses, innovators, and entrepreneurs in priority sectors to innovate, grow, and compete globally. RIE is also open to not-for-profit organizations fostering inclusive growth through supporting under-



represented groups, mainly women, Indigenous peoples and young entrepreneurs, to more fully participate in the innovation economy.

Funding offered under this stream helps create, grow and nurture inclusive regional ecosystems that support business needs and foster an entrepreneurial environment conducive to innovation, growth and competitiveness. It also fosters the entrepreneurial environment necessary for more innovative regional economies and increases the competitiveness of small- and medium-sized enterprises (SMEs), women entrepreneurs and underrepresented groups.

The objectives of the RIE stream are:

- » **Support and grow strategic clusters** to leverage regional strengths and support businesses commercialize products, technologies and services, and to scale-up.
- » Enhance the **development and reach of business accelerators and incubators**, and other organizations, which support entrepreneurs, start-ups and companies with high-growth potential.
- » Support projects led by innovation-oriented organizations to increase and **promote business productivity and global competitiveness**, and investment and talent attraction.
- » Enhance the capacity of ecosystems to **support underrepresented groups**, including women, Indigenous peoples, and young entrepreneurs.

Priority may be given to projects demonstrating broad financial support and leverage of resources. **RIE funding may support western Canadian innovators as they collaborate with international partners in Horizon Europe.**

- **Eligibility Criteria:** Applicants must meet one of the following mandatory criteria:

- » post-secondary educational institutions
- » Business Accelerator and Incubators
- » angel networks
- » Indigenous (First Nations, Inuit, Métis) organizations, including Indigenous-led not-for-profit organizations and Indigenous-owned businesses
- » social enterprises
- » a group of eligible recipients such as an industry association or consortium
- » a municipality and all other municipal-type organizations

All eligible applicants must be legal entities capable of entering into legally binding agreements. RIE projects must support one of the following two priority areas:

- » **Cluster Growth**, within one of the following priority sectors:
 - Clean Technology
 - Clean Resources
 - Life Sciences
 - Value-added Agriculture



- Advanced Manufacturing
- Digital Technology

» **Inclusiveness**, with respect to one of the following under-represented groups:

- Indigenous Peoples
- Women
- Youth

- **Budget:** Subject to parliamentary decisions, WD currently has a budget of up to \$30 million available for investments to support departmental priorities in 2020/21.

If you are successful in obtaining RIE funding for your project, WD will normally provide the non-repayable funding in periodic reimbursements, based on the submission of claims for reimbursement. These reimbursements will be released to recipients for the approved portion (i.e. up to 100%) of eligible projects costs that have been incurred and paid. Recipients will need to plan project cash flows accordingly based on the timing of the claims and the period to process the reimbursement. WD will provide an orientation to this process to all those who are approved for RIE funding.

Typically, contribution towards a commercial project with a not-for-profit organization or towards any project with a for-profit organization is repayable. This may vary however depending upon how the project risk will be shared between the government and the project proponent.

Potential funding recipients are expected to have secured all non-WD requested project financing (typically, at least 50%) before applying.

- **Application Deadline:** The RIE stream currently uses a continuous intake approach for receiving applications. If you are interested in submitting an application for the RIE stream, applicants should contact their regional WD office for more information on how to proceed and current timelines.

- **Submission Process:**

1. Contact your regional WD office to discuss your project idea and its compatibility with the RIE stream.
2. If the project idea is a good fit with the RIE stream, an Expression of Interest (EOI) will be requested to outline the project further.
3. Only if the EOI demonstrates the project has high merit and strongly fits with RIE objectives, will you be asked to submit a full application.
4. WD's service standard is to provide a funding decision to an applicant within 90 business days (90% of the time) of receiving a complete funding proposal.

For more information: See WED's RIE webpage: [PrairiesCan](#) and [PacifiCan](#)



Provincial Funding Programs for Science, Technology and Innovation Activities

ALBERTA

EMISSIONS REDUCTIONS ALBERTA

Emissions Reductions Alberta (ERA) for more than 10 years, ERA has been investing the revenues from the carbon price paid by large final emitters to accelerate the development and adoption of innovative clean technology solutions. Since ERA was established in 2009, they have committed \$616 million toward 186 projects worth \$4.5 billion that are helping to reduce greenhouse gas emissions (GHG)s, create competitive industries and are leading to new business opportunities in Alberta. These projects are estimated to deliver cumulative GHG reductions of 35 million tons of CO₂ by 2030.

FUND NAME: Emissions Reduction Alberta Funding Challenges

- **Program Type:** Innovation – late-stage clean technology development (TRL 7 through 9).
- **Thematic Area:** Cleaner Oil and Gas; Low Emitting Electricity System; Food, Fibre and Bioindustries; Low Carbon Industrial Processes and Products.
- **Funding Opportunity:** ERA is seeking innovative technologies through competitive challenges that reduce greenhouse gas emissions. **Any successful ERA applicant can use this funding to leverage their ability to partner under Horizon Europe Programs.** Projects must have a material benefit to Alberta's industries or be demonstrated using Alberta infrastructure, or successful ERA applicants can include European-based institutions or organizations as partners.
- **Eligibility Criteria:**
 - » ERA's focus is on technologies to support large industrial emitters (SMEs, researchers, innovators, academia, industry).
 - » To demonstrate market demand, all contributions from ERA are required to be matched with private dollars.
- **Budget:** Up to \$10 million per project.
- **Application Deadline:** ERA funds projects in two ways.
 - 1) ERA announces regular [funding challenges](#) aimed at specific emissions reduction challenges. After a funding challenge is announced, applicants have approximately 8 weeks to prepare an expression of interest.
 - 2) ERA has a [Partnership Intake Program](#).
- **Submission Process:** Projects submitted for funding consideration are evaluated through a rigorous process to ensure that ERA's funds are invested prudently. ERA uses a Call for the Proposals process that is divided into two stages, the [Expression of Interest \(EOI\)](#) stage and the [Full Project Proposal \(FPP\)](#) stage. This is then followed by Contracting and Project Execution. While this procedure is used in each case, some adaptations are made to achieve the greatest outcomes for each initiative. ERA typically finalizes its funding decisions approximately six months after receiving the original Expressions of Interest.



To learn more about the funding process, [click here](#).

For more information: See ERA's [webpage](https://eralberta.ca/): <https://eralberta.ca/>

EUROPEAN-CANADIAN CENTRE FOR INNOVATION AND RESEARCH (ECCIR)

European-Canadian Centre for Innovation and Research (ECCIR) is an initiative for the development of European–Canadian research and business relations. Based in Edmonton, Alberta the ECCIR provides support for the exchange of information, development of networks, the establishment and cultivation of collaborative partnerships in academia, business, and industry, as well as cultural exchange. The central focus is on enhancing international knowledge and technology transfer, and on raising the profile of Canada and Europe as centres of excellence in innovation and research.

Alberta Innovates operates the Alberta-Europe International Technology Partnership Program, which is aimed at facilitating and supporting joint, innovative technology development projects between Albertan and European SMEs. This program is supported by the provincial Ministry for Jobs, Economy and Innovation.

FUND NAME: Alberta-Europe International Technology Partnership Program

- **Program Type:** The overarching goal of the Alberta-Europe International Technology Partnership Program is to help participants become more globally competitive by developing innovative technologies and research-based alliances with the potential to foster economic growth. As such, this fund supports pre-commercial technology development activities. Projects may include any or all of the following stages of pre-trade activity on the path to commercialization:
 - » Applied research and development
 - » Technology demonstration
 - » Prototype development
 - » Proof of concept
- **Thematic Area:** Open to all sectors.
- **Funding Opportunity:** Funds may only be used to pay for budget items as outlined in the application and the written agreement between **Alberta Innovates** and the **Albertan SME**. Claimed expenses are subject to approval by Alberta Innovates. Eligible costs are limited to project-specific expenses. **Alberta Innovates ECCIR funding can also be leveraged to allow an Albertan company to participate in Horizon Europe consortium projects.** Eligible costs include:
 - » Costs of Alberta-based project personnel (i.e. researchers, engineers, technicians, trades people, project management and support staff when involved in project activity). Monetary contributions from ECCIR can also be put towards resources from third-party organizations (e.g. consultants or contractors).



- » Costs of instruments and equipment required for the project (except when disposed of on a commercial basis after the project is over).
- » Additional costs incurred directly as a result of project activity.
- » Other project-specific expenses including materials and supplies and travel expenses for trips to Europe related to project activities (travel expenses are limited to 10% of program funds, but applicants can contribute further funds for additional travel).
- » Professional services directly related to project activities.
- » IP management, market assessment, fees for service labs.

Expenses not eligible under the program include:

- » Training courses.
- » Administrative fees or overhead charges for administering this program.
- » Design and production of advertising material.
- » Sales and promotional activities.
- » Costs associated with applying for government grants and programs.

Any expenses outside of those listed above must be pre-approved by Alberta Innovates prior to the actual expenditure. Ownership of all purchased materials resides with the SME.

- **Eligibility Criteria: Albertan small and medium-sized enterprises (1 to 499 employees and less than \$50 million in gross revenue)** are welcome to apply to the Alberta-Europe Technology Collaboration Fund if they are undertaking R&D and/or technology development activities together with European partners. Albertan SMEs are defined as incorporated (Albertan or Canadian registration) for-profit companies, sole proprietorships or partnerships with an office and employees in Alberta. The company needs to have a significant technology development presence in Alberta. The partner from Europe can be a small or medium-sized enterprise, or a larger company. Independent research institutions in Europe can also participate in projects and may receive funding as well. All proposals to the program must involve an industry partner from each jurisdiction with an interest in commercialization.

Furthermore, the two project partners must be legally independent. A subsidiary is not a partnership. If your company has investment in the other company, or vice versa, you can still apply, as long as each party is independently investing in the project.

- **Budget:** Albertan companies may apply for up to CAD \$250,000. Any funds requested must be matched with a combination of cash and in-kind contributions from the Albertan company. European partner companies may apply for funding through regional, national or EU funding bodies. ECCIR is happy to help European companies find the best opportunities in their jurisdictions. Should the European partner company be bigger than an SME or should circumstances prevent an application to an appropriate European funding agency, then the only prerequisite for participation is that the European company contribution matches the amount of the ECCIR contribution to a given project.

- **Application Deadline:** Applications are accepted on a rolling basis.



- **Submission Process:** The submission process still has to be confirmed.

For more information: <https://eccir.ca/alberta-europe-technology-collaboration-fund/> & <https://albertainnovates.ca/programs/global-partnerships/>

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BRITISH COLUMBIA

Genome BC is a non-profit research organization that leads genomics innovation on Canada's WestCoast and facilitates the adoption of genomics into society. Genome BC's major investors are the Province of British Columbia and the Government of Canada through Genome Canada and Western Economic Diversification Canada. This funding is complemented by partnerships with many national and international public and private funding organizations to drive societal, environmental, and economic benefits for British Columbia, Canada and beyond.

FUND NAME: Genome BC Funding Programs

- **Program Type:** Genome BC supports research projects, technology platforms and innovation initiatives with the aim of growing a globally competitive life sciences sector and delivering sustainable benefits for British Columbia, Canada and beyond.
- **Thematic Area:** Genome BC invests in research and innovation initiatives that align with the needs of areas of strategic importance to British Columbia such as health, forestry, fisheries and aquaculture, agri-food and agriculture, energy, mining, and environment.
- **Funding Opportunity:** Funding opportunities vary by program on an ongoing basis. Genome BC's unique co-funding approach relies on collaborative research agreements and commitments to milestones and outputs, a model perhaps best described as "contract" research. Genome BC funds projects across the research continuum from discovery through to application and translation. **Any successful applicant from British Columbia, Canada, can use this funding to leverage their ability to partner under Horizon Europe projects.**
- **Eligibility Criteria:** Varies depending on program. For example:

GeneSolve Program brings **sector partners and academia** together to find solutions for sector challenges. Sector partners must provide 1:1 funding match.

Sector Innovation Program open to researchers aiming to provide genomic solutions to enhance sector competitiveness and sustainability.

Societal Issues Competition open to research projects that identify and study the societal issues that emerge from genomics-based innovations.

Industry Innovation Program provides debt financing commercialization support for **BC-based companies** developing innovative life science technologies.

- **Budget:** Varies depending on program. For example:



GeneSolve Program: Up to \$250,000 per project, with a 1:1 match from the Sector Partner.

Sector Innovation Program: Up to \$250,000 per project.

Industry Innovation Program: Between \$500,000 and \$1,250,000 per company.

- **Application Deadline:** Varies depending on program. For example:
 - » [GeneSolve Program](#): Ongoing
 - » [Sector Innovation Program](#): Recurring
 - » [Societal Issues Competition](#): Recurring
 - » [Industry Innovation Program](#): Ongoing
- **Submission Process:** Varies depending on program. Contact Genome BC for information on how to apply to any open program.

For more information: <https://www.genomebc.ca/funding/current-opportunities>

BRITISH COLUMBIA

FUND NAME: British Columbia Knowledge Development Fund

- **Program Type:** The BC Knowledge Development Fund is the provincial government's primary investment in support of research infrastructure for researchers from the Province of British Columbia, Canada.
- **Thematic Area:** Infrastructure funding only (e.g., research equipment, building adaptation, databases).
- **Funding Opportunity:** The BC Knowledge Development Fund functions as a cost-sharing program with the Canada Foundation for Innovation. The BC Knowledge Development Fund typically funds up to 40 per cent of the total eligible costs of a research infrastructure project. The Canada Foundation for Innovation funds up to 40 percent of total eligible project costs, and other funding partners provide cash or in-kind funding for the remainder. Some infrastructure projects may involve partners from multiple provinces or countries.
- **Eligibility Criteria:** Only public post-secondary institutions of the province of British Columbia are eligible and the funded infrastructure must be a capital asset on their books. The funded asset may be located outside of the province of British Columbia and may contribute to the infrastructure of larger international research project (e.g., at CERN in Europe).
- **Budget:** The maximum amount per application depends on the type of competition (Major or Minor).
- **Application Deadline:** The deadlines of the BC Knowledge Development Fund align with



those of the Canada Foundation for Innovation (one month apart). Typically: Three intakes per year for Minor projects and one intake every three years for Major projects.

- **Submission Process:** Applicants apply through the research office of their post-secondary institution that forward the requests to the BC Knowledge Development Fund within one month of a request being sent to the Canada Foundation for Innovation.

For more information: <https://www2.gov.bc.ca/gov/content/governments/technology-innovation/bckdf>

SASKATCHEWAN

INNOVATION SASKATCHEWAN

Innovation Saskatchewan is the central agency of the Government of Saskatchewan with responsibility for implementing Saskatchewan's innovation priorities.

FUND NAME: Agtech Growth Fund (AGF)

- **Program Type:** The Agtech Growth Fund (AGF) is a research and development (R&D) funding program designed to accelerate the commercialization of game-changing technological innovations in the province's agricultural sector. Through AGF, Innovation Saskatchewan provides non-repayable grants to projects that address a specific industry challenge.

- **Thematic Area:** Agriculture, agriculture technology.

- **Funding Opportunity:** Through AGF, Innovation Saskatchewan provides non-repayable grants to projects that address a specific industry challenge. Specifically, Innovation Saskatchewan will accept applications for funding in the below categories:

- » Digital Ag Software/Hardware (e.g., sensors, imagery, precision ag, data stewardship)
- » Smart Farm Equipment (e.g., robotics, machinery, automation)
- » Food Processing (enabling technologies)
- » Indoor Agriculture (enabling technologies)
- » Animal Health/Verification Technology
- » Supply Chain Technology (e.g., traceability)
- » Agricultural Marketplace/Fintech

- **Eligibility Criteria:** All applications must meet the following criteria to be considered for funding:

1. Proposed by an **active researcher and research consortium (open to public, private or academic)** that represent the project's value chain (researchers, those involved in the production/supply process, and customer/end users).
2. Active partner: participating in the project either through cash and/or in-kind contribution, equity investment, and/or letter of intent to purchase.
3. Majority of the R&D activities must be conducted by **Saskatchewan-based partners.**



4. Priority is given to proposals that also have an **academic partner from a Saskatchewan post-secondary or research institute.**
5. Demonstrate how the technological innovation will solve a specific industry-wide challenge and benefit the agriculture sector overall, not just individual companies.
6. Technological solutions must be novel and innovative.
7. Demonstrate a feasible path to commercialization and how the benefits of the project will be sustained over the long-term.

Successful Saskatchewan applicants can use this funding to leverage their ability to partner under Horizon Europe projects.

- **Budget:** Industry partners must provide 50% or more of the project's budget. The amount requested from Innovation Saskatchewan is no more than 30% of the proposed budget. The remaining amounts can be secured from other sources (i.e. federal funding agencies). In-kind matching contributions cannot exceed 20% of the budget and must be valued at cost.

Disclaimer: Applicants applying to both the AGF and the Saskatchewan Technology Start-up Incentive (STSI) are limited to a lifetime cap of \$450,000 combined between the two programs. Please contact the program manager if you have additional questions.

- **Application Deadline:** The AGF has two intakes per fiscal year. Please see <https://innovation-sask.ca/research/agf> for established deadlines.

- **Submission Process:** To be considered for funding, prospective applicants must submit an [EOI](#) and complete the "[Eligibility Questionnaire](#)" found on the website before the intake deadline. The EOI should be three pages or shorter. Applicants must use the template provided on the website to develop the EOI. EOIs not using the template, or not submitted with the completed Eligibility Questionnaire, will not be accepted. Only shortlisted applicants will be invited to submit full proposals. Shortlist decisions made by Innovation Saskatchewan's internal selection committee are final.

Innovation Saskatchewan will provide feedback to any applicants that submit a draft of their proposal before the submission deadline. All applicants submitting a full proposal are strongly advised to take advantage of this opportunity.

For more information: See program's webpage: <https://innovationsask.ca/research/agf> or contact info@innovationsask.ca.

INNOVATION SASKATCHEWAN

FUND NAME: Saskatchewan Advantage Innovation Fund (SAIF)

- **Program Type:** The Saskatchewan Advantage Innovation Fund (SAIF), is a research and development (R&D) funding program designed to accelerate commercialization of game-changing technological innovations in the province's core sectors.
- **Thematic Area:** Industry consortium research projects that align with Saskatchewan's



provincial priorities and growth plan. See below for targeted sectors.

- » Mining
- » Energy
- » Manufacturing
- » Education
- » Healthcare

- **Funding Opportunity: Industry consortium research** projects that align with Saskatchewan's provincial priorities and growth plan. Through SAIF, Innovation Saskatchewan provides non-repayable grants to projects that address a specific industry challenge.

- **Eligibility Criteria:** All applications must meet the following criteria to be considered for funding:

1. Proposed by a group of active research partners (academic, private sector, or public sector) that represent the project's value chain (researchers, those involved in the production/ supply process, and customer/end users).
 - » *Active partner:* participating in the project either through cash and/or in-kind contribution, equity investment, and/or letter of intent to purchase.
 - » Majority of the R&D activities must be conducted by **Saskatchewan-based** partners.
 - » Priority is given to proposals that have an **academic partner from a Saskatchewan post-secondary or research institute**.
2. Demonstrate how the technological innovation will solve a specific industry challenge and benefit the sector overall, not just individual companies.
3. Technological solutions must be novel and innovative.
4. Demonstrate a feasible path to commercialization and how the benefits of the project will be sustained over the long-term.

Successful Saskatchewan applicants can use this funding to leverage their ability to partner under Horizon Europe projects.

- **Budget:** Industry partners must provide 50% or more of the project's budget. The amount requested from Innovation Saskatchewan is no more than 30% of the proposed budget. The remaining amounts can be secured from other sources (i.e. federal funding agencies). In-kind matching contributions cannot exceed 20% of the budget and must be valued at cost.

Disclaimer: Applicants applying to both the Saskatchewan Advantage Innovation Fund (SAIF) and the Saskatchewan Technology Start-up Incentive (STSI) are limited to a lifetime cap of \$450,000 combined between the two programs. Please contact the program manager if you have questions.

- **Application Deadline:** Intakes for SAIF are held twice per fiscal year. Please see <https://innovationsask.ca/research/saskatchewan-advantage-innovation-fund> for established deadlines.

- **Submission Process:** To be considered for funding, prospective applicants must submit an **EOI** and complete the "[Eligibility Questionnaire](#)" found on the website before the intake



deadline. The EOI should be three pages or shorter. Applicants must use the template provided on the website to develop the EOI. EOIs not using the template, or not submitted with the completed Eligibility Questionnaire, will not be accepted. Only shortlisted applicants will be invited to submit full proposals. Shortlist decisions made by Innovation Saskatchewan's internal selection committee are final.

Innovation Saskatchewan will provide feedback to any applicants that submit a draft of their proposal before the submission deadline. All applicants submitting a full proposal are strongly advised to take advantage of this opportunity.

For more information: See program's webpage:

<https://innovationsask.ca/research/saskatchewan-advantage-innovation-fund> or contact info@innovationsask.ca.

INNOVATION SASKATCHEWAN

FUND NAME: Made in Saskatchewan Technology Program (MIST)

- **Program Type:** The Made in Saskatchewan Technology Program (MIST) connects the Provincial Government to Saskatchewan technology-based companies whose products may improve Government service delivery.
- **Thematic Area:** technological innovation
- **Funding Opportunity:** Successful technology companies participating in the program are awarded a contract of up to \$30,000 to pilot their technology with the Government Ministries, Agencies and Crown Corporations for six months.
- **Eligibility Criteria:**
 - » Saskatchewan based
 - » Annual revenue of under \$500,000
 - » 30 employees or less
 - » Ready-to-implement technology
 - » Capacity to work with Government
- **Budget:** \$30,000 combined total over a company's lifetime
- **Application Deadline:** ongoing
- **Submission Process:**
 - Saskatchewan-based technology companies submit their [application form](#) to Innovation Saskatchewan.
 - Innovation Saskatchewan will assess the company to ensure that they meet the basic program criteria.
 - An independent advisory panel will then review the application and provide IS with a technology readiness assessment.
 - Innovation Saskatchewan will work with eligible companies to determine applicable Government partners for its solution.



- Government partners will decide to enter into a pilot project and contract with the company.
- Successful companies are awarded a six-month pilot project and contract up to \$30,000.
- After the pilot project, the Ministry can end the contract or enter into a new one.
- A company can receive up to 3 MIST pilot projects.

For more information: contact mist@innovationsask.ca for questions and submissions.

QUÉBEC

CONSORTIUM FOR RESEARCH AND INNOVATION IN AEROSPACE IN QUÉBEC

Consortium for Research and Innovation in Aerospace in Québec (CRIAQ), in partnership with the Ministère de l'Économie et de l'Innovation du Québec.

FUND NAME: CRIAQ Exploring Innovation Program

CRIAQ has played an important role in the aerospace research collaboration between Canada and Europe, by supporting international projects with various European countries, since 2009.

The first steps in a collaboration under calls for projects for research and innovation in aerospace between Canada and Europe were carried out by various research support programs, including CRIAQ, during the seventh framework program of the EU, according to [CANNAPE](#)'s mandate.

Between 2014 and 2019, the CARIC, Consortium for Aerospace Research and Innovation in Canada, built on the CRIAQ model, represented the research interests of the Canadian aerospace industry internationally. The European Commission's Horizon 2020 program has made it possible to collaborate more in the field of aerospace. Indeed, CARIC supported international projects under international and joint Canada-EU Horizon 2020 calls. In Québec, CARIC was supported in this effort by CRIAQ.

At the end of CARIC in 2020, the Canadian National Aerospace Contact Point (NCP Aerospace) under the Horizon 2020 sector of Smart, Green and Integrated Transport (Smart, Green and Integrated Transport) was transferred to CRIAQ. Since the launch of the new program Horizon Europe, CRIAQ works directly with a sub-group dedicated to international collaboration of the European group [ACARE](#). The intent is to increase bilateral cooperation in aerospace between Canada and the EU under the New Horizon Europe Program.

As part of this NCP role, CRIAQ can:

- » Inform potential Canadian participants about the on-going Horizon Europe calls of interest for aerospace research in Canada
- » Organize mobilization around a specific topic key for international collaboration in aerospace and aviation (green technologies for aviation for example)
- » Support teams with at least two organizations based in Québec in joining a Horizon Europe call consortium building

This support can be aligned with three different CRIAQ programs:



The CRIAQ [Exploring Innovation International Program](#) would be the most appropriate tool of support for projects in collaboration with Europe in which academic and research organization partners are strongly involved, along with industry partners, to de-risk a pre-competitive technology development that will enable the future of aerospace.

- **Program Type:** collaborative research, pre-competitive technology development
- **Thematic Area:** aerospace and aviation
- **Funding Opportunity:** The objectives are: ramp up international research collaborations between **universities and industry**; increase the visibility of **Québec-based** researchers and their institutions; and foster the development of researchers, through R&D projects, to gain an advantage in future niches for Québec.

Parameters are: The research is carried out primarily at **universities, colleges, and research centers**; these projects focus on technology at an initial technology readiness level (TRL) of anywhere from 2 to 4; and this program is a great vehicle for training graduate students in connection with concrete aerospace applications alongside international partners.

Must be a Public Research Organization

- Eligibility Criteria:

- » Existence of a value-added application in aerospace (collaboration with other sectors in possible)
- » **1 industrial partner in Québec and 1 public research organization** (e.g. universities, colleges, research centers)
- » 1 industrial partner (not parent of the Québec industry partner) and 1 public research organization in the country (or countries) of collaboration
- » Minimum TRL of 2-3
- » 3 year duration (2 years under specific calls)

- **Budget:** Funding rate: CRIAQ provides a maximum of 50% and industry must provide 20% of support in cash. Up to a maximum financial aid requested of CAD \$1.5 million (up to CAD \$500k per year). Maximum public funding: 80% of the project's value in cash.

- **Application Deadline:** Approximately 4 times a year. To know the exact dates for the submission of projects, please refer to [CRIAQ's website](#), under the section Programs and Projects, International Program.

- Submission Process:

1. Join CRIAQ network, by contacting the Director of Programs to obtain the necessary documents to complete.
2. Submit a [letter of intent](#) to CRIAQ, once the project team is complete. The Letter of Intent form is a document to be completed by the project leader. Its purpose is to ensure that the project meets the qualifications required under the funding program. It provides preliminary information such as: a summary that describe the purpose of the project in the most common terms possible and its impact for the business



community, the estimated contribution of the industrial partners to the project, the estimated total project budget and the composition of the project team.

3. If the letter of intent is reviewed positively, submit a full proposal for evaluation by CRIAQ scientific Committee. The application kit will be provided by the CRIAQ project manager. The full proposal must include:
 - » Research proposal: synopsis, state of the field of research, objectives and challenges, methodology, workplan and schedule, team expertise, research management, training of highly qualified personnel, industrial relevance, social and economic benefits for Québec and Canada, maturation plan, GANTT chart
 - » Budget validated by a CRIAQ project manager
 - » Letters of support from each industrial partner, signed by the authorized representative of each organization
 - » The academic attestation forms signed by the authorized representative of each organization

If the project is approved, sign the related projects agreements. CRIAQ prepares the project agreement, based on a mandatory template created and approved by organizations (e.g. OEM, tier-ones, universities, research centers) representatives of the ecosystem. This agreement covers the project, including confidentiality, property rights on materials and equipment, intellectual property, publications, partner liability, warranties, arbitration, etc. The generic agreement has been in use since 2005 and was signed for over 160 projects.

For more information: See CRIAQ's programs: <https://www.criag.aero/en/our-programs/> or contact Director of Programs, Clothilde Petitjean Clothilde.petitjean@criag.aero

CONSORTIUM FOR RESEARCH & INNOVATION IN AEROSPACE IN QUÉBEC

FUND NAME: CRIAQ Maturing Innovation International Program

The CRIAQ [Maturing Innovation International Program](#) would be the most suitable avenue for projects where **SME partners in Québec** and, as needed, Europe, are strongly involved. The projects under this program aim to **demonstrate, in collaboration, a new technology or product to access a new market together, or dramatically change their processes (to reduce their carbon footprint and their clients 'one, for example)**. The partners involved on both sides should benefit of the outputs of the project results.

- **Program Type:** collaborative development, demonstration projects, SME driven innovation
- **Thematic Area:** aerospace and aviation
- **Funding Opportunity:** Objectives are to: drive international research collaborations; foster the integration of Québec SMEs from the aerospace sector into global innovation networks; and extend the network of potential partners to international collaborators.

Parameters are: Support projects aimed at involving **SMEs**, in the global innovation network, for



the demonstration of aerospace technology parts, technology and systems.

Must be a SME or Public Research Organization.

- Eligibility Criteria:

- » Existence of a business opportunity and/or visibility of expertise internationally for the SMEs
- » 2 companies in Québec, including at least 1 SME with 1 company partner (not parent of the Québec companies) in the country of collaboration
- » Minimum TRL of 4
- » 3 year duration (2 years under specific calls)

- **Budget:** CRIAQ provides a maximum of 50%, industry must provide 20% of support of the project value, up to a maximum of CAD \$500k. Maximum public funding: 50% of the project value.

- **Application Deadline:** Approximately 4 times a year with different thematic focus each time. To know the exact dates for the submission of projects, please refer to [CRIAQ's website](#), under the section Programs and Projects, International Program.

- Submission Process:

1. Join CRIAQ network, by contacting the Director of Programs to obtain the necessary documents to complete.
2. Submit a [letter of intent](#) to CRIAQ, once the project team is complete. The Letter of Intent form is a document to be completed by the project leader. Its purpose is to ensure that the project meets the qualifications required under the funding program. It provides preliminary information such as: a summary that describe the purpose of the project in the most common terms possible and its impact for the business community, the estimated contribution of the industrial partners to the project, the estimated total project budget and the composition of the project team.
3. If the letter of intent is reviewed positively, submit a full proposal for evaluation by CRIAQ scientific Committee. The application kit will be provided by the CRIAQ project manager. The full proposal must include:
 - » Research proposal: synopsis, state of the field of research, objectives and challenges, methodology, work plan and schedule, team expertise, research management, training of highly qualified personnel, industrial relevance, social and economic benefits for Québec and Canada, maturation plan, GANTT chart
 - » Budget and ventilation validated by the CRIAQ project manager

For SMEs:

- » Last financial statements
- » Projected cash flows (2 years after Project start)
- » Letters of support from each industrial partner, signed by the authorized representative of each organization
- » A research service offer signed by the university partner and the industry lead



should the project involve a Québec research organization

If the project is approved, sign the related projects agreements. CRIAQ provides support to the project team for the signing of a project agreement. This agreement covers the project, including confidentiality, property rights on materials and equipment, intellectual property, publications, partner liability, warranties, arbitration, etc.

For more information: See CRIAQ's programs: <https://www.criAQ.aero/en/our-programs/> or contact Director of Programs, Clothilde Petitjean Clothilde.petitjean@criAQ.aero

CONSORTIUM FOR RESEARCH & INNOVATION IN AEROSPACE IN QUÉBEC

FUND NAME: Canada-Europe Structuring Initiatives

These are for projects in coordination with Europe that have a major impact on the future of the Aviation industry and/or its regulation, and where the collaboration of major partners and/or institutions and/or regulatory bodies is required. These structuring initiatives might not emerge more than once a year and the support needs to be adjusted to their specific configuration.

- **Program Type:** Pilot integrated program, structuring project, coordination action, full-scale demonstration.
- **Thematic Area:** Aerospace and aviation
- **Funding Opportunity:** Objectives are to: enable a coordinated response to a worldwide scale challenge; position Québec as a worldwide class Aerospace innovation cluster; and demonstrate a technology at value chain scale to speed up its adoption by various stakeholders simultaneously.
- **Eligibility Criteria:** To be unveiled Spring 2022.
- **Budget:** CRIAQ provides a maximum of 50%. Additional information will be available April 2021.
- **Application Deadline:** Once a year max, on the initiative of CRIAQ and/or its governance.
- **Submission Process:** Join the CRIAQ network by contacting the Director of Programs to obtain the necessary information in Spring 2022.

For more information: See CRIAQ's programs: <https://www.criAQ.aero/en/our-programs/> or contact Director of Programs, Clothilde Petitjean Clothilde.petitjean@criAQ.aero

MINISTRY OF ECONOMY, INNOVATION AND ENERGY OF QUÉBEC

The Ministry develops and implements various financial assistance programs and tax measures aimed at supporting businesses and research organizations in the pursuit or increase of their activities.

FUND NAME: Programme de soutien aux organismes de recherche et d'innovation (PSO) – International



- **Program Type:** International research and innovation projects
- **Thematic Area:** Multi-sectoral
- **Funding Opportunity:** The PSO-International helps to support the international action of Québec players from universities, colleges, institutions and industries working in various research and innovation sectors. Eligible expenses are those related to the research activities of the Québec team and cover the costs of carrying out the project in Québec.

The projects will be prioritized based on the government's strategic orientations in research and innovation. Priority will be given to projects relating to the following strategies, technologies or areas:

1. Aerospace
2. Biotechnology and bio-food
3. Maritime development and marine biotechnologies
4. Renewable energies, clean technologies and green construction
5. Industry 4.0 and innovative manufacturing
6. Social innovation
7. Advanced materials
8. Optics-photonics, quantum technologies and virtual and augmented realities
9. Life sciences, medical technologies and personalized health care
10. Information and communications technologies, financial technologies and artificial intelligence
11. Mining technologies, aluminum and arctic development
12. Intelligent transport and electrification of transport

Any successful québécois applicant can use this funding to leverage their ability to partner under Horizon Europe projects.

- **Eligibility Criteria:**
 - » Québec non-profit organizations operating in the various research and development sectors.
 - » Establishments of the health and education networks involved in the various research and development sectors.
 - » Québec public research establishments.
- **Budget:** In general, the financial assistance granted varies according to the type of project and does not exceed 50% of the eligible expenses related to the realization of all activities by the Québec participant. The financial package may include a maximum of 80% of public assistance from the various levels of government, with the exception of social innovation projects, for which the accumulation can reach 100% of eligible expenses.

A minimum contribution of 20% in cash of the planned expenses of the Québec portion is required from the Québec buyer community, with the exception of social innovation projects, for which the contribution is not required. The amount granted is for a period of three years maximum and varies



according to the type of projects:

Bilateral: \$300k

Multilateral: \$500k

Large scale: \$1.5 million

- **Application Deadline:** Annual call with two deadlines. Dates are specified on the website.
- **Submission Process:** Read the [Application Guide](#) to correctly complete the application form and annexes. All requests must be written in French, signed by an official duly authorized by the organization by resolution of the board of directors or belonging to the list of directors clearly identified by the *Registraire des entreprises du Québec*, and sent in electronic format to the following address: psointernational@economie.gouv.qc.ca.

The signed original of the request must also be sent by mail.

For more information: See their webpage on [international funding programs](#) or contact: emerson.jimenezmartinez@economie.gouv.qc.ca



PROGRAMS TO WATCH

This section lists potential programs to watch in Canadian Federal Funding and provincial organizations. Some competitions are launched at intervals and require the institutions to propose cultivated projects. Considering the listed programs allows interested parties to prepare conveniently and send their application promptly. The below programs currently do not have any funding calls open. Please refer back to the websites regularly in order not to miss any opportunities.

Canadian Federal Funding

ARCTICNET

Since 2004, **ArcticNet** has brought together scientists and experts in the natural, human health and social sciences with their partners in Inuit organizations, northern communities, governments and the private and public sectors to further our understanding of and help prepare for the impacts and opportunities brought by climate change and modernization in the Arctic.

ArcticNet funds Canadian researchers via competitive Calls for Proposals (CFPs). Funded by the federal government's Networks of Centres of Excellence (NCE) program, ArcticNet has four years of guaranteed funding (April 1, 2021-March 31, 2025) relevant to the Horizon Europe initiative. ArcticNet only funds the most competitive proposals received via its competitions.

This is usually less than one third of submitted proposals. While the Network does not designate funding specifically for Horizon Europe, they do value international collaborations, and encourage interested parties to apply. Proposals with international connections are viewed as competitive.

ArcticNet is funded by the Canadian Tri-Council through the NCE program and through various partnerships with non-profit organizations and the private sector. ArcticNet's mandate is to fund academics across the nation and does not hold funding competitions for private sector participants.

ArcticNet does not designate funding levels. When a Call for Proposals is released however the total amount available will be made clear, as well as a suggested range for the number of projects ArcticNet is likely to fund. This gives applicants a range to strategically apply for and request funding. It should be noted that the amounts considered would be in the hundreds of thousands of dollars range, not millions. Additionally, projects are only funded under ArcticNet that exemplify strong partnerships via cash and in-kind contributions. Leveraging is a requirement.

The application deadlines and the submission process will be specified when a Call for Proposals is released. The applicant will be required to create a comprehensive research proposal that will be evaluated against ArcticNet's funding criteria. When a Call for Proposals is released, it will be available on ArcticNet's website.

For more information: <https://arcticnet.ulaval.ca/>



POLAR KNOWLEDGE CANADA

Polar Knowledge Canada is the federal organization responsible for advancing knowledge in Canada's Arctic, operates out of the Canadian High Arctic Research Station (CHARS) campus in Cambridge Bay, Nunavut.

Canadian and international researchers with priorities that align with POLAR's [2020-2025 Science and Technology Framework](#) and [Strategic Plan](#) are encouraged to apply to conduct research at the CHARS campus. POLAR may be able to provide in-kind resources to individuals looking to use the CHARS campus facilities to conduct their research. The CHARS campus has been established to provide world-class science facilities, research labs, centres for technology development and knowledge sharing, and facilities for teaching, training and community engagement. Through the campus, researchers can also access research support such as on-campus accommodations, access to all-terrain vehicles (ATVs), snowmobiles, small boats, fat bikes, sleds, and trailers, as well as support from our Operations Team field technicians. For information about the research facilities and to apply to for these supports, refer to the support request forms located [here](#) on our website.

For researchers looking for information about what is required and what to expect while conducting research in Canada's North, POLAR has compiled region-specific resources as well as information regarding regional and federal permitting authorities, which can be found [here](#).

Provincial Organizations

ALBERTA

Alberta Innovates is the province's largest research and innovation agency. Funding research to commercialization, they are Alberta's innovation engine. Alberta Innovates is working to solve today's challenges, create new opportunities and forge a healthy, sustainable and prosperous future for Albertans today and for generations to come.

Originally founded in 1921 as the Alberta Research Council, Alberta Innovates continues to support the growth of Alberta's research and innovation priorities for the Government of Alberta, Canada. Advancing the economic benefit for the province's agriculture, energy, environment, forestry and health sectors.

Alberta Innovates drives innovation and the development of new technologies from idea generation, through applied testing and validation, to commercialization and end use. Alberta Innovates has specific focus areas that provide support and/or funding to clients:

- » Applied Research
- » Agriculture, Forestry & Food
- » Clean Recourses
- » Emerging Technologies
- » Entrepreneurial Investments
- » Health Innovation and Platforms
- » Post-Secondary Investments



Alberta Innovates uses data, digital technologies, artificial intelligence, clean technology, and other emerging technologies to pivot to new opportunities.

- » Artificial intelligence and machine learning allow large data repositories to be linked and mined for better decision making, prediction, and efficiency.
- » Applying digital technologies to smart agriculture, food development and distribution to feed a hungry world.
- » Digital health solutions will harness people's social determinants of health to improve patient outcomes, reduce costs and improve our overall health.
- » Developing cleaner energy production methods, using less water, and emitting fewer greenhouse gases.
- » Finding ways to turn Alberta bitumen into new materials like activated carbon and carbon fiber, allowing for an entirely new manufacturing industry to emerge.

Another of Alberta Innovates' focus areas is around entrepreneurial development and investment by providing programs, networks and connections to entrepreneurs and start-ups to commercialize their innovations and scale their businesses.

Alberta Innovates' subsidiaries, InnoTech Alberta and C-FER Technologies, test, de-risk and translate innovation to assist clients accelerate commercialization and market adoption. It has expertise that can be applied across global markets. The Global Partnerships programs focus on assisting for-profit Alberta SMEs establishing global partnerships by providing the opportunity to enter into a joint project to develop and commercialize innovative technology with a global SME partner. Program outcomes are:

- » Collaborative technology development in a not competitive environment
- » Soft landing for international commercialization
- » Derisk funding and accelerate the adoption of new innovative technologies in new global markets
- » Long-term business partnership
- » Access to new capital and resources
- » Expand export markets

Alberta Innovates support the entire innovation spectrum — from the generation of new ideas through applied testing to commercialization or end-use. It provides funding programs, advice, connections, technical expertise and applied research services to stimulate and grow research and innovation across Alberta.

For more information visit their website: www.albertainnovates.ca.



QUÉBEC

Fonds de recherche du Québec:

- » **FRQ - Nature et technologies [FRQNT]**
- » **FRQ - Société et culture [FRQSC]**
- » **FRQ - Santé [FRQS]**

The “FRQ” refers to the three independent funds: *Nature & Technologies*, *Society & Culture* and *Health*. They often join their funds to support research projects held by Québec researchers. These projects can be in partnership with European researchers for some of their programs.

In accordance with their research sectors, FRQ have mandates to promote and provide financial support for: research; the dissemination of scientific knowledge; and training researchers through merit scholarships for graduate and postgraduate students and persons in postdoctoral research. FRQ can also create any necessary partnerships, in particular with universities, colleges and cultural institutions, as well as with government departments, and public and private bodies concerned.

The FRQ can fund academic researchers in a Québec institution only. More precisely, the FRQ can fund:

- University researchers
- Clinical university researchers
- College researchers

For definitions see: <http://www.frqs.gouv.qc.ca/en/regles-generales-communes>

For the list of recognized institutions: https://frqnet.frq.gouv.qc.ca/Documents/Etab_Reconnus_FRQ.pdf

