

# **2023 International Joint Initiative for Research in Climate Change Adaptation and Mitigation**

Information Webinar

February 2023

# Webinar Contents

1. Funding Opportunity Description
2. Competition Timeline
3. Eligibility and Roles
4. Merit Review – Selection Criteria
5. NOI Stage
6. Full Application Stage
7. Information for RGOs
8. Review Process
9. Resources and Questions

# **Funding Opportunity Description**

2023 International Joint Initiative for Research in Climate Change Adaptation and Mitigation

## **2023 International Joint Initiative: The Sixth Assessment IPCC Reports**

The [Sixth Assessment Report of the United Nations \(UN\) Intergovernmental Panel on Climate Change \(IPCC\)](#) highlights that unprecedented changes in Earth's climate are being observed in every region, impacting all ecosystems and societies, and will continue to intensify with further warming.

In addition to causing significant loss of biodiversity, climate-related changes to ecosystems affect food and water security and increase the incidence of disease and natural disasters, which, in turn, increase human conflict, displacement and health impacts, including loss of life.

Economies are also impacted as countries struggle with the increased costs of health care, damage to infrastructure, and the costs of adaptation measures.

## 2023 International Joint Initiative

This call represents a collaboration among research funders from Brazil, Canada, Germany, Norway, South Africa, Switzerland, the United Kingdom and the United States to leverage international expertise to tackle the global challenges caused by climate change.

Climate change has been recognized as the single most important threat to the future well-being and prosperity of our planet and all who inhabit it.

### Goal

This call aims to further the design and implementation of **co-produced adaptation and mitigation strategies** for **vulnerable groups**—those groups currently most impacted by the effects of climate change owing to both **physical vulnerability** and **socioeconomic vulnerability**.



## **2023 International Joint Initiative: Key Risks**

The Sixth Assessment IPCC reports contain more than 130 key risks that could become severe, taking into consideration climate hazards, exposure and vulnerability. The reports grouped these into eight representative key risks:

1. Risks to low-lying coastal socio-ecological systems
2. Risks to terrestrial and ocean ecosystems
3. Risks associated with critical physical infrastructure, networks and services
4. Risks to living standards
5. Risks to human health
6. Risks to food security
7. Risks to water security
8. Risks to peace and to human mobility

## Funding Opportunity Description

# Joint Initiative - Consortium Partners

Funding organization	Country
New Frontiers in Research Fund (NFRF)	Canada
Sao Paulo Research Foundation (FAPESP)	Brazil
Deutsche Forschungsgemeinschaft (German Research Foundation)	Germany
The Research Council of Norway (RCN)	Norway
National Research Foundation (NRF)	South Africa
Swiss National Science Foundation (SNSF)	Switzerland
UK Research and Innovation (UKRI)	United Kingdom
National Science Foundation (NSF)	United States

## Joint Initiative

The call is supported by research funding organizations from different countries, referred to as the **Consortium Partners**.

**A minimum of three countries** must be represented among the co-PIs and the team must be eligible to receive funds from **at least two Consortium Partners**.

**At least one co-PI must be eligible to apply to the NFRF program.**

- NOIs and Full applications will be submitted to NFRF.
- NFRF will facilitate the review process.





## Funding principles

This call takes a **coordinated funding approach**: each Consortium Partner will fund researcher(s) within a project team who are eligible to receive funding from them.

Funding will be awarded according to the rules, regulations, terms and conditions of the Consortium Partner.

Eligible expenses may vary across a project team. Applicants must review the documentation from the relevant Consortium Partner(s) to ensure the proposed project meets all eligibility requirements.

Team members who are not eligible to receive funds from other Consortium Partners may be eligible for support from NFRF.

Using the links in the [competition overview](#), research teams should check the eligibility of expenses before submitting the full application.

## Value and Duration

### Value

The total amount of funding available to support each project will depend on the Consortium Partners that will be supporting the project.

Refer to the information provided in the [annexes](#) for information on the level of financial support available.

### Duration

Projects should be designed to be completed within **three years**. Funding is available for three-year projects.

One-year no-cost extensions may be available in some circumstances depending on the funding organization, on request and requiring appropriate justification.

# Funding Opportunity Description

## Annexes

### **New Frontiers in Research Fund**

The [NFRF](#) supports world-leading interdisciplinary, international, high-risk, high-reward, transformative and rapid-response research led by Canadian researchers working with Canadian and international partners. Since 2018, the NFRF has funded hundreds of researchers in Canada and their co-investigators from over 40 countries in the development of novel research projects that address the critical challenges of our time.

The NFRF is unique in its aim of supporting projects proposing novel interdisciplinary approaches with the potential for real impact. With a total annual budget exceeding C\$100 million, NFRF has sought to promote these ends through three distinct funding streams. The International Joint Initiative for Research in Climate Change Adaptation and Mitigation is delivered under the International stream.

The NFRF is under the strategic direction of the Canada Research Coordinating Committee, which provides a senior strategic forum for information-sharing, consensus-building and decision-making on forward-looking initiatives that strengthen Canada's research enterprise, foster world-leading research, and advance social and economic well-being.

Annex

### **Sao Paulo Research Foundation**

[FAPESP](#) is a public foundation, funded by the taxpayer in the state of São Paulo, Brazil, with the mission to support research projects in higher education and research institutions, in all fields of knowledge. By remit, FAPESP can only fund researchers affiliated to institutions based in the state of São Paulo.

The foundation works in close contact with the scientific community: all proposals are peer reviewed with the help of area panels composed of active researchers. It also supports large research programs in Biodiversity, Bioenergy, [Global Climate Change](#), and in e-Science.

FAPESP maintains co-operation agreements with national and international research funding agencies, higher educational and research institutions, and business enterprises. The [international co-operation](#) covers a broad range of countries and agencies.

### **German Research Foundation (Deutsche Forschungsgemeinschaft)**

# Competition Timeline

2023 International Joint Initiative for Research in Climate Change Adaptation and Mitigation

Competition Timeline

## 2023 International Joint Initiative

### Two-stage competition

1. Notice of Intent to Apply (NOI)
2. Full Application



## Competition Timeline

# Important Dates

**May 2, 2023**

- Notice of Intent deadline

September 12, 2023

- Full Application deadline

February 2024

- Notice of funding decisions

March 2024

- Start date of awards

# **Eligibility and Roles**

2023 International Joint Initiative for Research in Climate Change Adaptation and Mitigation

## Eligibility and Roles

# Project Team

Project teams will be composed of:

- **Co-PIs** who share responsibility for directing the project and coordinating proposed research activities, in addition to participating in the execution of the research project
- **Co-applicants** and **collaborators** who contribute to executing the research project.

A minimum of three countries must be represented among the co-PIs and the team must be eligible to receive funds from at least two Consortium Partners.

At least one co-PI must be eligible to apply to the NFRF program.

Proposals must be submitted by interdisciplinary and trans-sectoral teams, with appropriate stakeholders.

It is strongly recommended that project teams include at least one expert in social sciences or humanities among the co-PIs.

Project teams are encouraged to support the next generation of researchers.

Each Consortium Partner may have additional eligibility rules for applicants and proposed projects. Review each funding organization's [eligibility rules](#), requirements, funding mandates, policies, eligible costs and procedure.



## Eligibility requirements

All projects are required to partner with participating community or communities in the **co-creation, implementation** and **ownership** of the research and outcomes, and to develop approaches related to policy implementation and knowledge mobilization.



This approach ensures that the projects develop strategies related to policy, communication and community partnerships, to encourage acceptance, support and the behavioural changes required for implementation.

The integration of team members from vulnerable groups is required.

To highlight the outcomes of funded projects and enable knowledge mobilization and cross-project learning, **a forum** will be organized at the mid-term and at the end of the grant period.

## Project Team - Eligibility

To foster the participation of many and to ensure that teams have enough time to dedicate to the project, individuals may participate as a co-PI on **only one** application to this competition.

An individual who is listed as a co-PI on multiple applications will have their status changed to a co-applicant on all but one application, determined by the order in which they are received.



# **Merit Review - Selection Criteria**

2023 International Joint Initiative for Research in Climate  
Change Adaptation and Mitigation

## Fit-to-program

The proposed research must address **at least two of the eight representative key risks** and further the design and implementation of co-produced adaptation and mitigation strategies for **vulnerable groups**.

Applications must clearly outline the risks the proposed work addresses. The proposal must also define and justify how the group implicated in the work meets the definition of a vulnerable group.



## Interdisciplinarity and Trans-sectoral Research

The **interdisciplinary approach**—integrating information, data, techniques, tools, perspectives, concepts or theories from two or more disciplines or bodies of specialized knowledge.



Brings a new perspective to the challenge

A **trans-sectoral approach**—involves working across the academic, research, economic (businesses), societal sectors (governmental and non-governmental organizations) and/or community sectors in the design and execution of the project.



Will ensure that projects yield useful and timely results

## Equity, Diversity and Inclusion in Research Practice

Applicants must clearly demonstrate their commitment to EDI in their research teams. Teams should also consider diversity as it applies to career stages, sectors, institutions, regions and countries.

They must explain what actions they will take, the outcomes expected, and the assessment planned for each of the following three key areas:

- team composition and recruitment processes
- training and development opportunities
- inclusion

For more information, see NFRF's [Best Practices in Equity, Diversity and Inclusion in Research](#)



## High risk – novelty of approach/scientific rigour

High risk refers to the **novelty of the proposed approach** to the challenge and the **quality of the research proposed**.

Proposals that address a rarely tackled challenge or an uncommon combination of risks may be considered higher risk.



Proposals will have to explain:

- how the project is novel, as it relates to the latest methods, concepts, information and techniques, as well as other major projects currently underway;
- how the approach builds on and benefits from expertise, perspectives and resources of a wide variety of regions, disciplines and/or sectors, including the communities; and
- why the approach is expected to lead to change.

## High reward – anticipated impact

Funded proposals must have the **potential to create a significant and real change or impact.**

Applications must explain the anticipated change or impact that is likely to result and its significance.



High reward can be defined by elements such as, but not limited to:

- having an economic, scientific, artistic, cultural, social, technological or health impact;
- impacting and/or affecting large communities, or unique communities or subpopulations with the potential to provide lessons for other contexts;
- significantly advancing current knowledge, methods and/or technologies, and positioning them for uptake; and/or
- implementing, testing and refining solutions for maximum impact.



## Feasibility – capacity to execute the project

Feasibility considers the **plan** and the **ability to execute the activities**.

It includes elements such as:

- research challenges being addressed;
- knowledge, expertise, capacity and availability of the project team;
- workplan and timeline;
- value for money;
- the plan for research uptake, partnering with the community, stakeholders and end users;
- the plan for monitoring, evaluation and learning;
- proposed approach, including EDI considerations in research design where appropriate;
- project's partnership and reciprocity with communities and other stakeholders;
- project's partnership and reciprocity with Indigenous Peoples, where applicable;
- suitability of the research environment;
- management and governance plans; and
- assessment of and approach to minimize the environmental footprint of the project

## Equity, diversity and inclusion (EDI) considerations in research design\*

**EDI in research design** considers the potential impact that identity factors, such as sex, gender, race, ethnicity, religion, age and mental or physical disability, may have on the individual's experience.

The goal in considering EDI in research design is to promote rigorous research that is sensitive to sex and gender, as well as many other identity factors, such as race, ethnicity, religion, age, and mental or physical disability.

EDI considerations **must be integrated in the project design.**

A rationale must be provided in cases where a research team believes no aspect of their research may benefit from an analysis to consider sex, gender or other identity factors.

\*An element considered under the **Feasibility Criterion**

## **Diversity**

The multidisciplinary/multisectoral review panel may consider diversity as a second-order consideration.

This consideration will only apply between equally rated applications to prioritize an application that addresses:

- risks not tackled by other proposals ranked as high or higher in the call;
- an uncommon combination of risks; and/or
- challenges faced by vulnerable groups in unique geographic regions not tackled by other proposals ranked as high or higher in the call.

## Merit Review - Selection Criteria

# Evaluation Matrices

### Criterion: Interdisciplinarity and Trans-sectoral Research

Projects must receive a Pass rating for this criterion to be considered for funding. Projects that meet the expectation for interdisciplinarity with respect to the International Joint Initiative for Research on Climate Change Adaptation and Mitigation can be defined by elements including, but not limited to:

<b>Interdisciplinarity and Trans-sectoral Research</b>	<b>✓ Pass</b>	<b>✗ Fail</b>
<b>Integration and perspective</b>	<p>Integrates information, data, techniques, tools, perspectives, concepts or theories from two or more disciplines or bodies of specialized knowledge.</p> <p>Explains how the disciplinary and sectoral perspectives, methodologies and techniques will be integrated, maintained and implemented to create interdisciplinary and trans-sectoral approaches throughout the project.</p> <p>The various disciplinary approaches and perspectives are fully integrated. The project is not an amalgamation of disciplinary-specific approaches.</p>	<p>The interdisciplinary nature of the project is achieved through an amalgamation of projects/activities that are disciplinary.</p> <p>Does not adequately explain how the interdisciplinary and trans-sectoral approaches will be integrated, implemented and maintained throughout the project.</p>
<b>Team</b>	<p>The interdisciplinary and trans-sectoral approach is reflected in the team.</p>	<p>The team does not reflect the expertise or sectors required to execute the interdisciplinary and/or trans-sectoral approach.</p>
<b>Project design</b>	<p>Designed from an interdisciplinary perspective.</p>	<p>The project is an interdisciplinary component "added on" to a more conventional project or program of research.</p>

# **NOI Stage**

2023 International Joint Initiative for Research in  
Climate Change Adaptation and Mitigation

NOI Stage

## Notice of intent deadline

You must submit a NOI to be eligible to create and submit a full application.

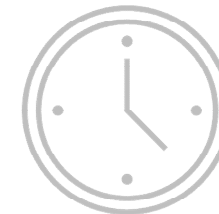
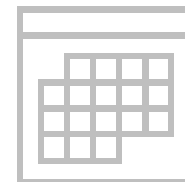
**NOI deadline** for submission to NFRF:

**May 2, 2023**

Check with the research administrator at your institution for **internal deadlines**.

The research administrator at the institution of the co-PI eligible to receive funding from NFRF is responsible for submitting the NOI to the agency by **8:00 p.m. (ET)** on the deadline date.

- Late NOIs will not be accepted.
- An NOI cannot be changed after the RGO has submitted it.



NOI Stage

## Collection of personal information

Self-identification information is collected as part of your user profile when you register in the Convergence Portal. It is **not** part of your application and is not accessible to, or shared with, external reviewers and/or multidisciplinary/multisectoral review panel members.

Access to the information is also restricted to most agency staff; the information is only used in aggregate following competitions.



Please consult the [data collection policy](#) for more information



## NOI Requirements on the Convergence Portal

- Completed profiles for research team members
- Application title
- Language of the application
- Indigenous research
  - Indicate if the project involves Indigenous research
- Keywords **(5-10)**
- Fields of Research **(up to 5)**
  - Select the fields of research from the Canadian Research and Development Classification codes that relate to the proposed research. At least 2 primary.
- Key risks **(at least 2)**
- Consortium Partners – Supplement/Joint Initiative
- Summary of the proposal **(maximum 2,500 characters)**
- Collaborators
- Socio-economic objectives
- Suggested reviewers **(minimum of 5)**
- Supporting documents:
  - Budget table
  - Supplementary information for Consortium Partners (if applicable)



NOI Stage

## Summary of the Proposal

**Maximum 2,500 characters**

**The Summary of the Proposal** should:

- Include the objectives of the proposed project and summary of the research approach; and
- Indicate which of the representative key risks the proposal addresses and how the anticipated changes and impacts will contribute to participatory, contextually and culturally appropriate mitigation and adaptation responses to climate change.

Once submitted by the RGO, **it cannot be modified.**

If your application is successful, this summary may be used for promotional purposes outside the research community to inform the government, media and members of the public who request information about research funded by this call.

## Submitting the NOI

Only the NFRF-eligible co-PI is able to submit the NOI.

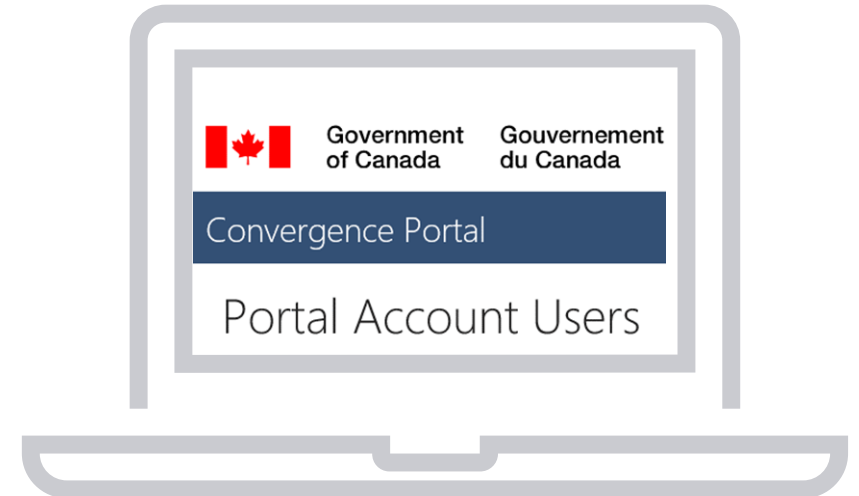
Review your NOI to ensure that it is complete.

From the **Finalize Application** section in the Convergence Portal, follow the prompts to submit the NOI.

After you accept the terms and conditions, the status of your submission will change to **Received by Administrator**.

Once your research administrator has approved and submitted your application, the application status will change to **Received by Agency**.

**No changes can be made at that point.**



# **Full Application Stage**

2023 International Joint Initiative for Research in  
Climate Change Adaptation and Mitigation

Full Application Stage

## Full Application Deadline

The applicants must have submitted an NOI to be eligible to create and submit a full application.

**Deadline** for submission to NFRF:

**September 12, 2023**

Check with your RGO for **internal deadlines**.

The research administrator at your institution is responsible for submitting your application by **8:00 p.m. (ET)** on the deadline date.

Late applications will not be accepted.

An application cannot be changed after the research administrator has submitted it.

# **Information for RGOs**

2023 International Joint Initiative for Research in  
Climate Change Adaptation and Mitigation

## RGO role

**RGOs can**, in the [Convergence Portal](#):

- **View** NOIs and full applications from Co-PIs at their institution (including those that are expired, in progress, and submitted)
- **Return** submitted NOIs and full applications **to the Co-PI**
- **Forward** submitted NOIs and full applications **to the agency**

Before forwarding an application to the agency, **the RGO will be asked to confirm:**

- the NFRF-eligible participants meet the eligibility requirements; and
- the proposed research project meets the eligibility requirements.

Information for RGOs

## RGO role

By forwarding the application, the RGO will also be certifying on behalf of the institution, that the Co-PI

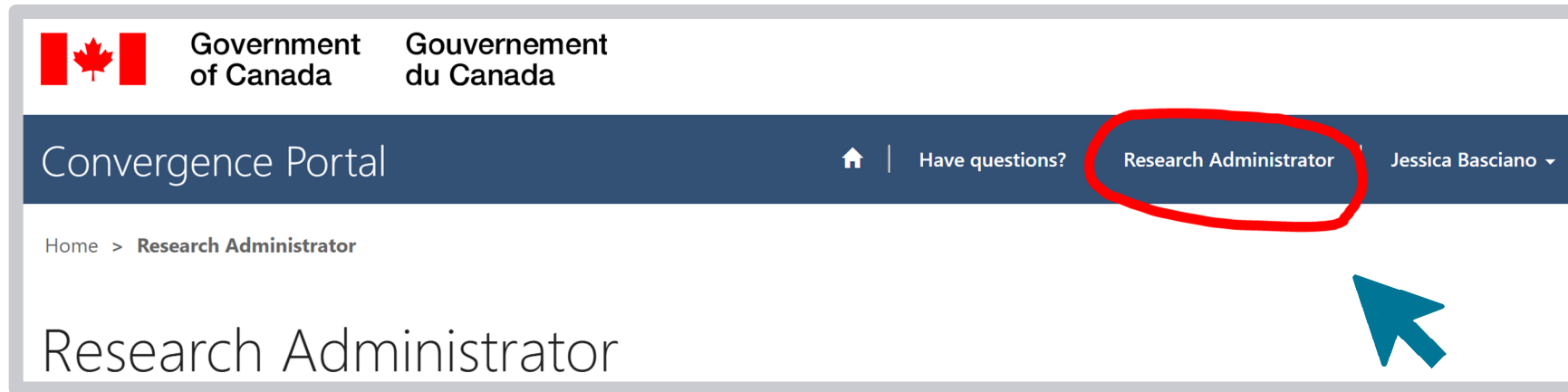
- Is (or will be) affiliated with the institution or organization;
- Has the necessary time and resources to carry out the activity;
- Will email [NFRF-FNFR@chairs-chaire.gc.ca](mailto:NFRF-FNFR@chairs-chaire.gc.ca) of any changes during the tenure of the grant, including changes in the composition of the team, such as the addition of new co-PIs, co-applicants, or collaborators.



Information for RGOs

## RGO role

RGOs can use the **Research Administrator** button to access their institution's applications.



If you are an RGO and you don't see the button, please contact [websupport@chairs-chaire.gc.ca](mailto:websupport@chairs-chaire.gc.ca)



# **Review Process**

2023 International Joint Initiative for Research in  
Climate Change Adaptation and Mitigation

# Overview

NOI

Full Application

## Internal Review

Assess indicative eligibility of the project team and help staff identify reviewers

## External Reviewers

Comment on interdisciplinarity, high risk, high reward and feasibility



Reviewer report



## Multidisciplinary/ multisectoral review panel evaluation

Fit-to-program	p/f
EDI in in Research Practice	p/f
Interdisciplinary and trans-sectoral approach	p/f
High Risk	20%
High Reward	40%
Feasibility	40%

## Consortium Partners

The ranked list will be used in discussions with Consortium Partners to determine which applications will be funded.

Review Process

## Evaluation matrices

High Risk, High Reward and Feasibility are evaluated using a seven-point scale



For more information on the criteria refer to the [evaluation matrices](#)

# Resources and Questions

2023 International Joint Initiative for Research in  
Climate Change Adaptation and Mitigation

Resources and Questions

## Resources - Contacts

Program-related questions:

[NFRF-FNFR@chairs-chaire.gc.ca](mailto:NFRF-FNFR@chairs-chaire.gc.ca)

Convergence Portal help:

[websupport@convergence.gc.ca](mailto:websupport@convergence.gc.ca)

613-995-4273



Consortium Partner Contacts:

- Sao Paulo Research Foundation (FAPESP): [chamada-NFRF@fapesp.br](mailto:chamada-NFRF@fapesp.br)
- Deutsche Forschungsgemeinschaft (German Research Foundation): [Christiane.Joerk@dfg.de](mailto:Christiane.Joerk@dfg.de) ; [Sigrid.Classen@dfg.de](mailto:Sigrid.Classen@dfg.de)
- The Research Council of Norway (RCN): [tnm@rcn.no](mailto:tnm@rcn.no) ; [masae@rcn.no](mailto:masae@rcn.no)
- National Research Foundation (NRF): National Research Foundation (NRF)
- Swiss National Science Foundation (SNSF): [matt.kimmich@snf.ch](mailto:matt.kimmich@snf.ch)
- UK Research and Innovation (UKRI): [iircc@esrc.ukri.org](mailto:iircc@esrc.ukri.org)
- National Science Foundation (NSF): [wbauchsp@nsf.gov](mailto:wbauchsp@nsf.gov)

Resources and Questions

## Resources - Links

[NFRF Website](#)

[Competition Overview](#)

[NOI Guide](#)

[Review Process Guide](#)

[Evaluation Matrices](#)

[Annexes](#)



# EDI Best Practices Guide

## New Frontiers in Research Fund

Exploration

Transformation

International

Special calls

Canadian Research and Development Classification 2019

## Best Practices in Equity, Diversity and Inclusion in Research

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### A guide for applicants to New Frontiers in Research Fund competitions

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- [About this guide](#)
- [What is "EDI"?](#)
- [Systemic barriers in academia and the research ecosystem](#)
- [Addressing equity, diversity and inclusion in applications](#)
  - [Research team and research environment](#)
    - A) [Team composition and recruitment processes](#)
    - B) [Training and development opportunities](#)
    - C) [Inclusion](#)
- [Considering equity, diversity and inclusion perspectives in research design: Feasibility criterion](#)
- [Appendix A–Definitions](#)

### About this guide

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Equity, diversity and inclusion requirements and their related considerations are assessed under two criteria of New Frontiers in Research Fund (NFRF) competitions:

Resources and Questions

# Indigenous research

For proposals involving Indigenous research, SSHRC's [Indigenous Research Statement of Principles](#) and [Guidelines for the Merit Review of Indigenous Research](#) may be used as a reference.



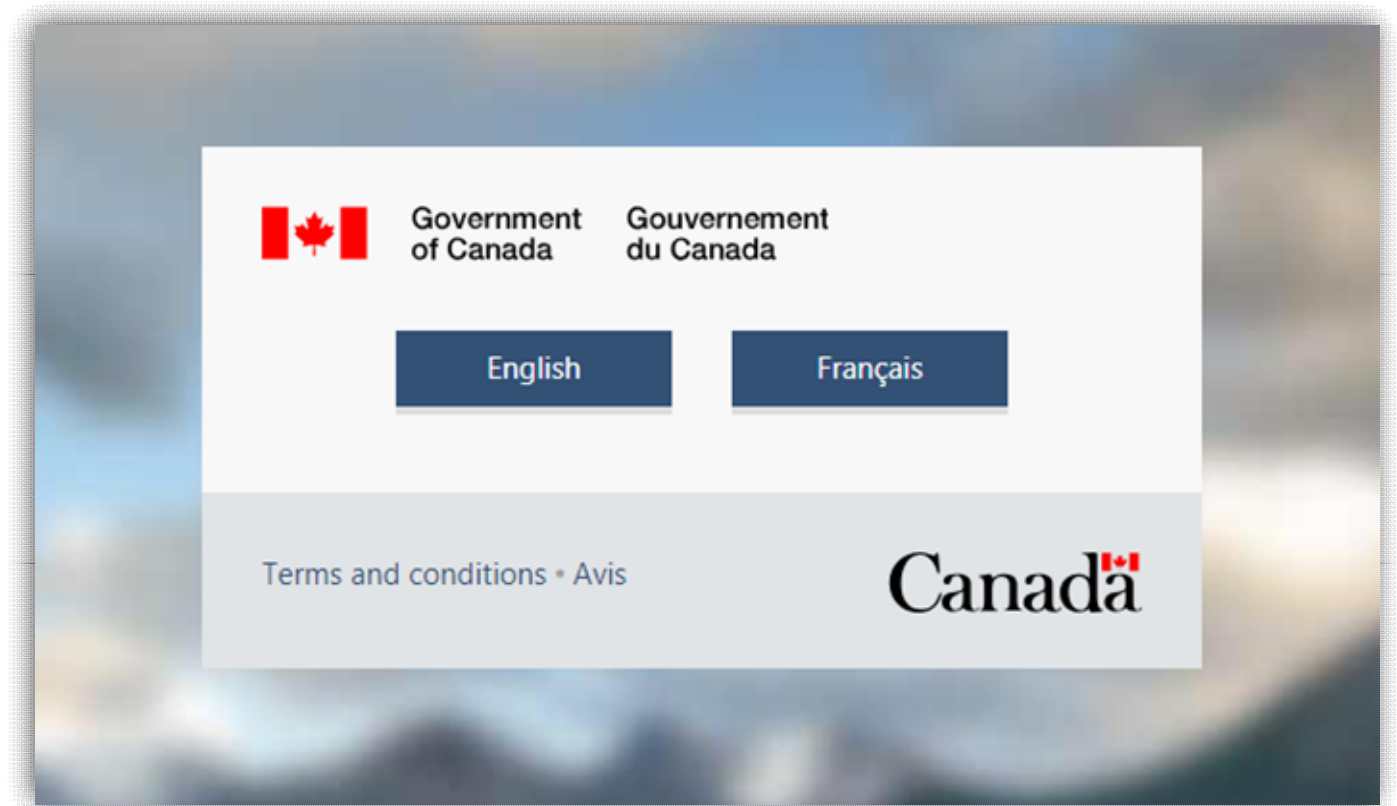
The screenshot shows the SSHRC website interface. At the top, there is a navigation bar with the Canadian flag, 'Government of Canada / Gouvernement du Canada', and links for 'Canada.ca', 'Services', 'Departments', and 'Français'. Below this is the SSHRC logo and a search bar. The main navigation menu includes 'About SSHRC', 'Funding', 'Competition Results', 'Connecting with Society', and 'News Room'. The breadcrumb trail reads 'Home > Funding > Merit Review > Guidelines for the Merit Review of Indigenous Research'. A 'COVID-19 Update' banner is visible. The main heading is 'Guidelines for the Merit Review of Indigenous Research'. Under the heading, there is a 'Purpose' section with the following text: 'SSHRC has developed these guidelines to ensure that the merit review of Indigenous research upholds SSHRC's [principles for merit review](#). These guidelines are intended to supplement the [SSHRC Manual for Adjudication Committee Members](#), but might also be used by applicants, external reviewers and the postsecondary institutions and partnering organizations that support Indigenous research.'



Resources and Questions

## Video Capsule

[NFRFE 2020 NOI](#)  
[Convergence Walkthrough](#)



Resources and Questions

## Questions?

