



# EU-Canada Research Opportunities

## **Tri-Agency Funding Opportunities**

Kim Douglas

February 3, 2021

# Overview of CIHR

Created in 2000, CIHR is a unique model of health research



\*Source: Main Estimates (<https://www.canada.ca/en/treasury-board-secretariat/services/planned-government-spending/government-expenditure-plan-main-estimates/2019-20-estimates/main-estimates.html>)

# CIHR's International Engagement Strategy

As part of its mission, CIHR seeks to lead, stimulate, and facilitate effective international involvement in health research that benefits Canadians and the global community.

## Connect

Canadian health researchers internationally

## Mainstream

Global health research

## Increase

Canada's international influence and visibility



# Joint Transnational Calls for Proposals 2021 with Canadian Dedicated Funds

## 1 European Joint Programme on Rare Diseases (EJP RD)

**Topic:** [“Social Sciences and Humanities Research to improve health care implementation and everyday life of people living with a rare disease”](#)  
an international component of the [CIHR Personalized Health Initiative](#)

**Funding:** \$1.5M from CIHR-IG to support the Canadian component of up to 5 transnational teams, over 3 years. \$100K per year for 3 years. Estimated call budget 11.5 million Euro.

### Deadline

- Pre-proposal - February 2021
- Full proposal - June 2021

## 2 Joint Programming Initiative on Antimicrobial Resistance (JPI AMR)

**Topic:** [“One Health interventions to prevent or reduce the development and transmission of antimicrobial resistance”](#)  
an international component of the [CIHR Antimicrobial Resistance Initiative](#)

**Funding:** \$2.2M from CIHR (III and IPPH) to support the Canadian component of up to 4 transnational teams, over 3 years. \$200K for the coordinator of the team of \$166,667 to participate in the team per year for 3 years. Estimated call budget 24.9 million Euro.

### Deadline

- Pre-proposal - March 2021
- Full proposal - July 2021

# Joint Transnational Calls for Proposals 2021 with Canadian Dedicated Funds

## 3 Joint Programme - Neurodegenerative Disease Research (JPND)

**Topic:** [“Linking pre-diagnosis disturbances of physiological systems to Neurodegenerative Diseases”](#)  
an international component of the [CIHR Dementia Research Strategy](#)

**Funding:** \$666K from CIHR-IA and Brain Canada Foundation/Women’s Brain Health Initiative for to support the Canadian component of up to 2 transnational teams, over 3 years. \$111K per year for 3 years.

### Deadline

- Call Publication: Jan. 2021
- Pre-proposals: March 2021
- Proposal: June 2021

## 4 ERA-NET on Translational Cancer Research (TRANSCAN)

**Information on the fourth call to follow. Expected to be launched in spring 2021.**



**CIHR IRSC**

Canadian Institutes of Health Research  
Instituts de recherche en santé du Canada

For all inquiries please contact:

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# Natural Sciences and Engineering Research Council

# NSERC's International Approach

- 1. LAUNCHING** calls for proposals, in partnership with funders abroad, both bilateral and multilateral (EU, Germany, France, UK)
- 2. ENCOURAGING** applicants to build in international (and interdisciplinary) dimensions at the proposal stage
- 3. REDUCING** barriers to international collaborations/ mobility through flexible use of grant funds
- 4. OFFERING** Doctoral and PDF awards that can be taken up abroad



**Researcher-driven options between NSERC and Horizon Europe**

<b>NSERC</b>	<b>Horizon Europe</b>
<p><b>Discovery Grants</b>, including Sub-Atomic Physics, Ship Time awards with EU partners</p>	<p><b>European Research Council Research Infrastructures</b></p>
<p><b>Training</b> including CREATE-DFG Germany, Postgraduate –Doctoral Scholarship, Postdoctoral Fellowships and Michael Smith Foreign Study Supplements taken up in Europe</p>	<p><b>Marie Skłodowska-Curie actions</b></p>
<p><b>Alliance Grants</b>, including new flexibilities and options. <b>Belmont Forum.</b></p>	<p><b>Horizon Europe Mission Areas</b></p>

## Alignment between NSERC and Horizon Europe



NSERC spending in 2018-19	Horizon Europe Mission Areas
\$246 M in <b>environmental</b> science and <b>agriculture</b> research	<b>Soil health and food</b>
\$234.1 M in <b>health</b> and related life sciences	<b>Cancer</b>
\$150 M in <b>climate</b> change and clean technologies	Adaptation to <b>climate</b> change including societal transformation
\$81.1 M in <b>water</b> -related research	Healthy oceans, seas coastal and inland <b>waters</b>
\$5.1 M Healthy Cities Research Initiatives (SSHRC+CIHR)	Climate-neutral and smart cities

# Alliance Grants

Canada's Research  
Partnerships Program



Alliance partnerships program

## Program objectives

**1. ENABLE** collaborations with a broader set of partner organizations:

- Private sector
- Public sector
- Not-for-profit sector

**2. GENERATE** new knowledge and accelerate the application of research results for the benefit of Canadians.

## Alliance

### Key notes

- From \$20K to \$1M, per year, Duration: 1-5 years
- No Deadline: Apply at any time
- Streamlined review process
- Applicants must be a Canadian university researcher and must include a Canadian partner
- Applicants are encouraged to incorporate **International** collaborations in their proposals; can interact in a variety of ways
- **International** partner organization's contributions may be recognized for cost-sharing
- **Interdisciplinary**: up to 30% of grant funds can be spent on other disciplines

### Advantages of International

- Increase the impact of your research project
- Collaborate with top partners abroad
- Access research infrastructures outside Canada
- Provide enhanced training environment for HQPs
- Build networks for both students and partners

## More Information

1. ALLIANCE PROGRAM: [alliance@nserc-crsng.gc.ca](mailto:alliance@nserc-crsng.gc.ca)

2. NSERC INTERNATIONAL: [international@nserc-crsng.gc.ca](mailto:international@nserc-crsng.gc.ca)

3. EUROPEAN RESEARCH COUNCIL DATABASE:  
[erc.europa.eu/projects-figures/erc-funded-projects](http://erc.europa.eu/projects-figures/erc-funded-projects)



Social Sciences and Humanities  
Research Council of Canada

Conseil de recherches en  
sciences humaines du Canada

Canada

# International Collaboration in SSH

## La collaboration internationale en SH

# Promoting international collaboration in SSH: Three modes

1

## Lower Barriers

In regular funding opportunities

2

## Open Doors

Through international joint initiatives

3

## Position Canadian SSH on the World Stage



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# 1. LOWER BARRIERS

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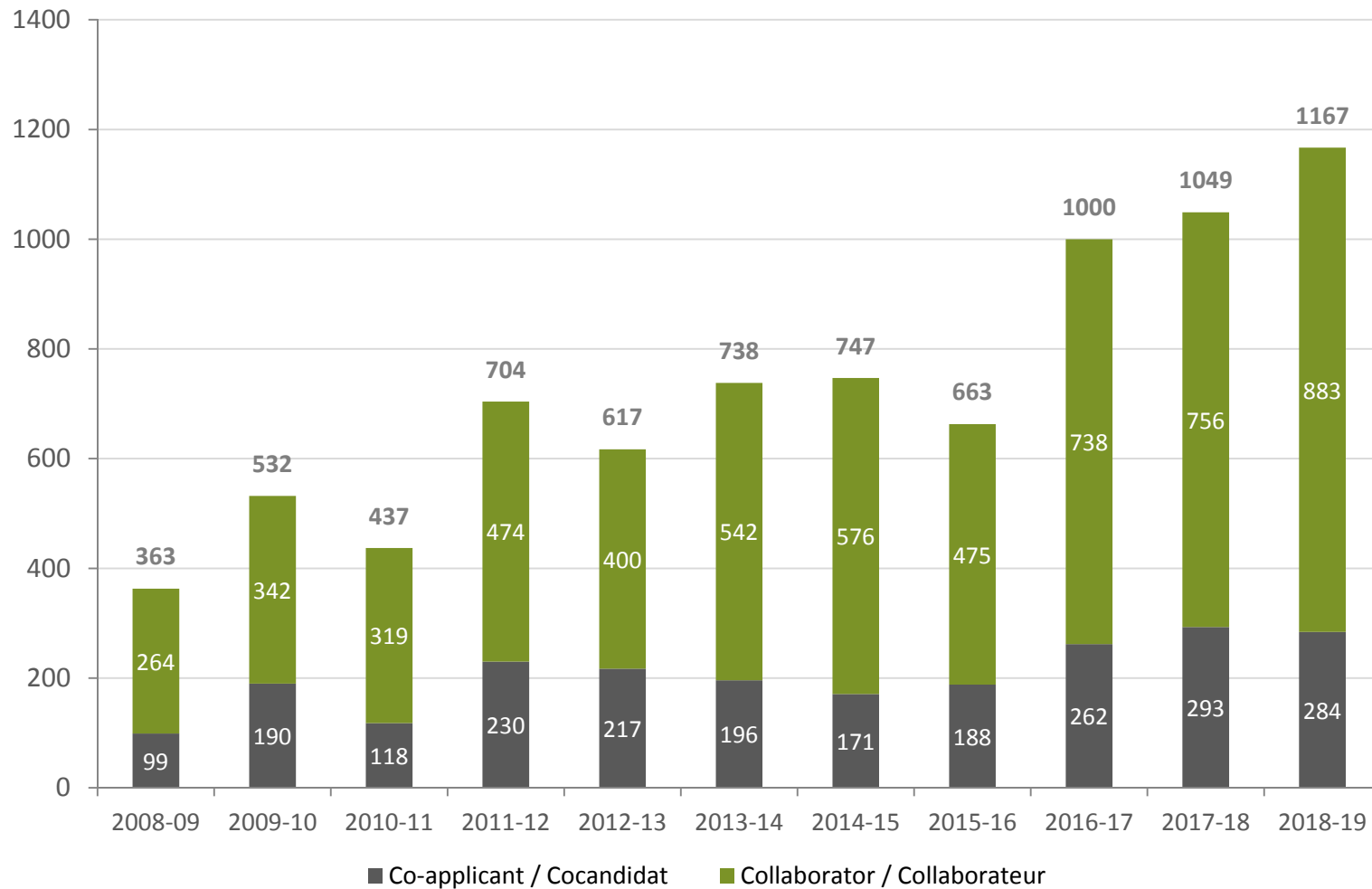
- ✓ **Foreign co-investigator policy** – Foreign-based researchers can be named as co-investigators for most SSHRC funding opportunities:

*Insight Development Grants, Partnership Grants, Partnership Development Grants*

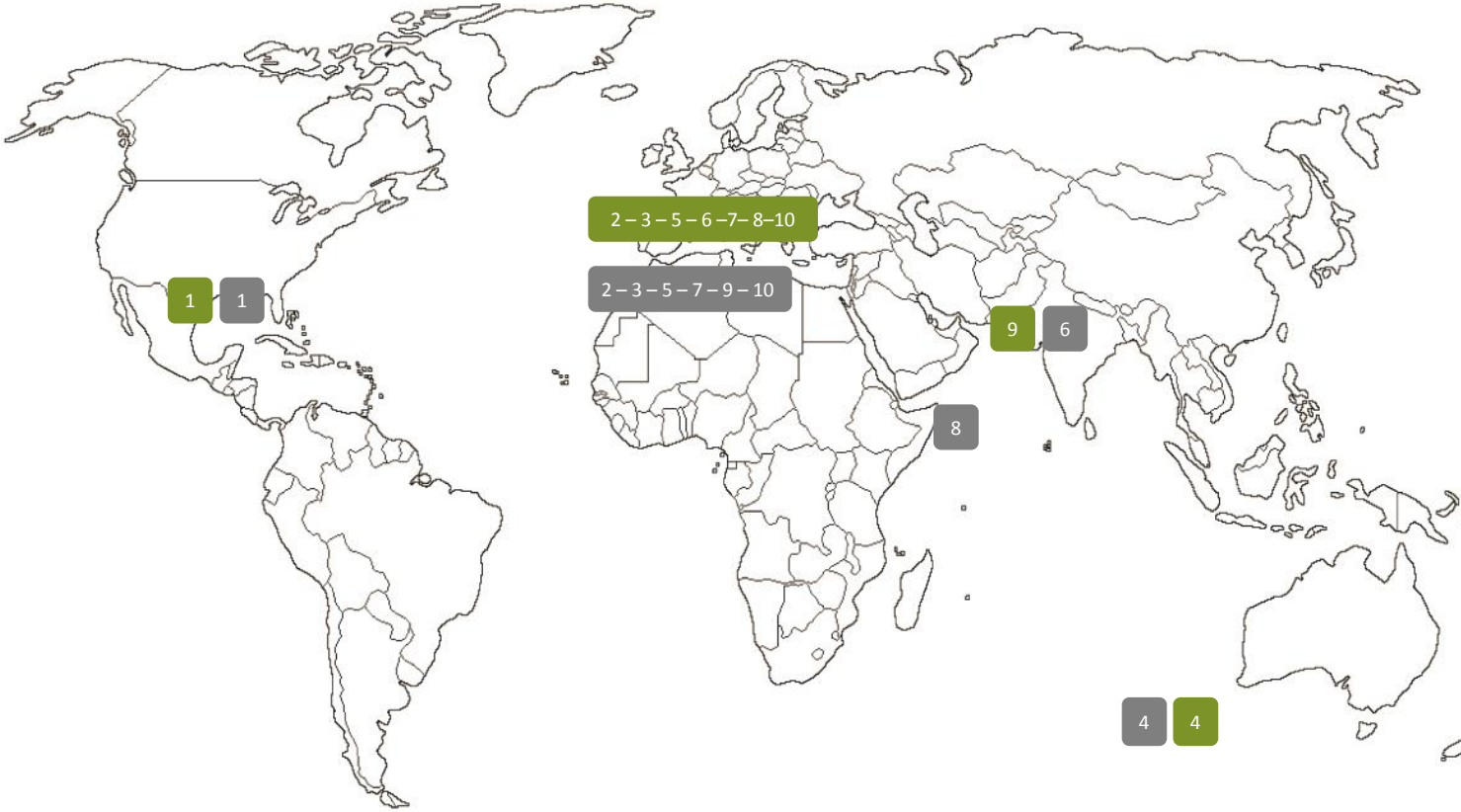
- ✓ **Mobility mechanisms** for graduate students and postdocs:  
Canadians abroad: SSHRC Doctoral Fellowships, SSHRC Postdoctoral Fellowships, Michael Smith Stipends  
International students in Canada: Vanier Doctoral, Banting Postdoctoral Fellowships

- ✓ **Align policies and procedures** with foreign funders and multinational organizations (Open Access, Research Data Management...)

**NUMBER OF INTERNATIONAL RESEARCHERS INVOLVED IN SSHRC-FUNDED GRANTS**  
**NOMBRE DE CHERCHEURS ÉTRANGERS AYANT PARTICIPÉ À DES PROJETS SUBVENTIONNÉS PAR LE CRSH**



# INTERNATIONAL COLLABORATIONS: TOP 10 COUNTRIES (2014-15 TO 2018-19)



# OF INTERNATIONAL RESEARCHERS

1	United States	1561
2	United Kingdom	585
3	France	390
4	Australia	268
5	Germany	179
6	Switzerland	106
7	Netherlands	105
8	Belgium	83
9	China	81
10	Spain	72

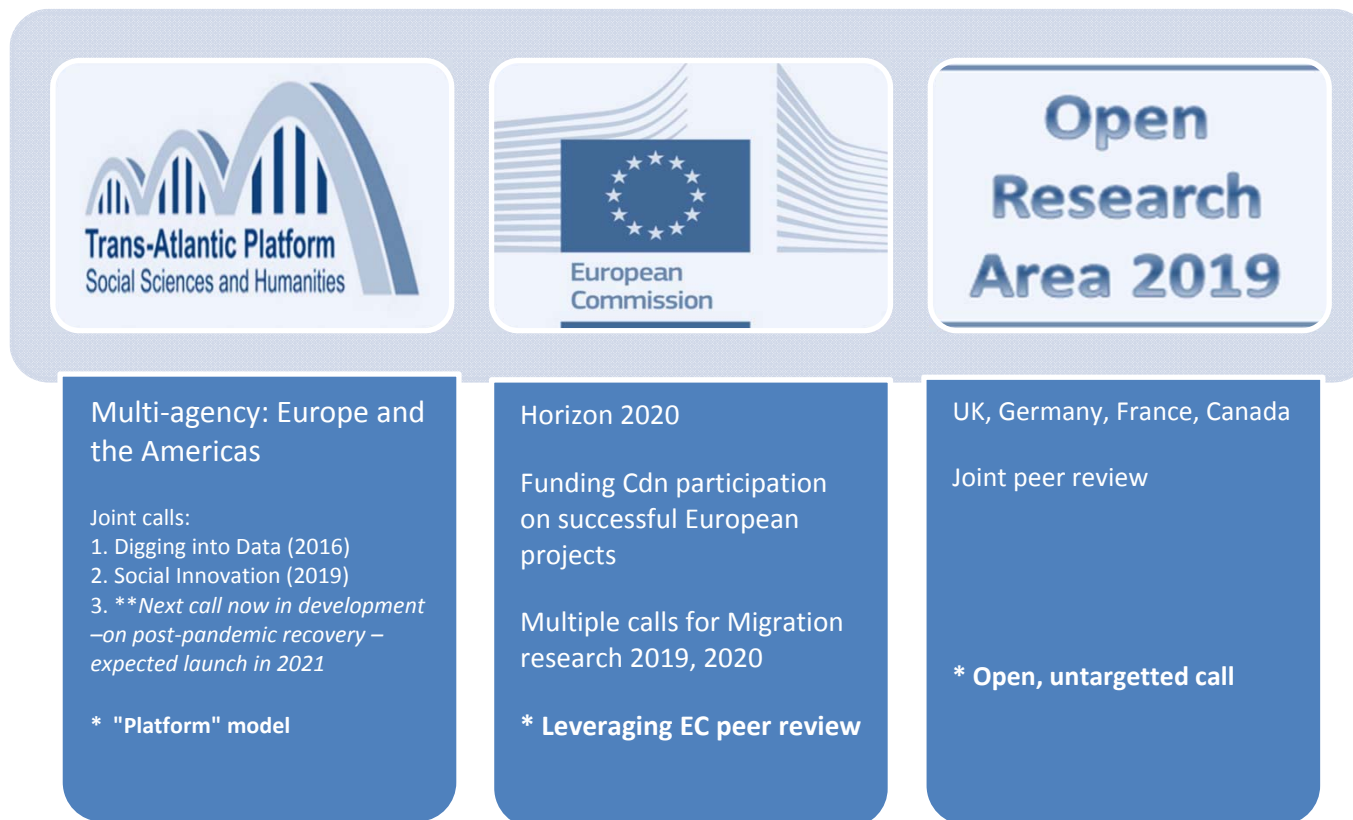
# OF INTERNATIONAL PARTNERS

1	United States	216
2	United Kingdom	66
3	France	65
4	Australia	56
5	Germany	29
6	China	28
7	Switzerland	28
8	India	21
9	Netherlands	19
10	Sweden/ Belgium	18

## 2. OPEN DOORS

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Some recent joint initiatives with European research granting agencies



### 3. WHAT WE ARE LEARNING

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- International collaboration is increasing in the social sciences and humanities
  - Collaboration among research funders and other stakeholders can increase the scope, scale and impact of Canada's research and training in the social sciences and humanities.
  - Canadian researchers in the social sciences and humanities are sought as collaborators; and are strong competitors in international joint initiatives
-

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# THANK YOU! MERCI!

SUZANNE BOARD

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New Frontiers in Research Fund  
Fonds Nouvelles frontières en recherche

# New Frontiers in Research Fund (NFRF)

# Fonds Nouvelles frontières en recherche (FNFR)



Government  
of Canada

Gouvernement  
du Canada

Canada



SSHRC  CRSH





## NFRF

- NFRF is a tri-agency program, administered by the Tri-agency Institutional Programs Secretariat (TIPS), which is housed within the Social Sciences and Humanities Research Council (SSHRC)
- SSHRC administers NFRF on behalf of Canada's three research granting agencies (CIHR, NSERC, SSHRC)
- The Canada Research Coordinating Committee (CRCC) is the steering committee for the NFRF program.

## FNFR

- Le FNFR est un programme interorganismes, administré par le Secrétariat des programmes interorganismes à l'intention des établissements (SPIIE), qui est hébergé par le Conseil de recherches en sciences humaines du Canada (CRSH)
- Le CRSH gère le FNFR au nom des trois organismes subventionnaires de la recherche au Canada (IRSC, CRSNG, CRSH)
- Le Comité de coordination de la recherche au Canada assume la fonction de comité directeur pour le FNFR

## Objectives

- NFRF funds research that is international, interdisciplinary, fast-breaking and high risk
    - Generate opportunities for Canada to conduct innovative high risk-high reward and interdisciplinary research
    - Build Canadian strength and leadership in transformative interdisciplinary research
    - Enhance opportunities for Canadian researchers to lead and participate in research with international partners
- 3 streams – each addresses one of these objectives

## Objectifs

- Le FNRF finance la recherche internationale et interdisciplinaire qui nécessite des résultats rapides et qui présente des risques élevés
    - Susciter des occasions pour le Canada de mener des recherches qui sont novatrices, à haut risque et à haut rendement, et interdisciplinaires
    - Renforcer la capacité et le leadership du Canada en matière de recherche transformatrice et interdisciplinaire
    - Donner davantage d'occasions aux chercheurs canadiens de participer à des travaux de recherche avec des partenaires étrangers
- 3 volets – chacun répond à un des objectifs

## Streams

- **Exploration** generates opportunities for Canada to build strength in high-risk, high-reward and interdisciplinary research
- **Transformation** provides large-scale support for Canada to build strength and leadership in interdisciplinary and transformative research
- **International** enhances opportunities for Canadian researchers to participate in research with international partners.

## Volets

- Le volet **Exploration** suscite des occasions de renforcer la capacité du Canada en matière de recherche interdisciplinaire à haut risque et à haut rendement.
- Le volet **Transformation** offre un soutien à grande échelle afin de renforcer la capacité et le leadership du Canada en matière de recherche interdisciplinaire et transformatrice.
- Le volet **International** donne davantage d'occasions aux chercheurs canadiens de participer à des travaux de recherche avec des partenaires étrangers.

## Evaluation Criteria

- Five broad criteria
  - High risk
  - High reward
  - Feasibility
  - Interdisciplinarity
  - Equity, diversity and inclusion (EDI)  
and support for Early Career Researchers (ECR)
- Can make use of novel approaches for evaluation
  - Double blind review
  - Sandpit
  - “Dragon’s Den”

## Critères de sélection

- Cinq critères généraux (application adaptée au volet)
  - Haut risque
  - Haut rendement
  - Faisabilité
  - Interdisciplinarité
  - Équité, diversité et inclusion (EDI) et soutien aux chercheurs en début de carrière
- Peut comprendre des mécanismes novateurs d'évaluation
  - Examen par les experts en double aveugle (double blind)
  - Carré de sable (sandpit, dragon’s den)



## **Support for International Collaborations**

### **Exploration & Transformation**

- International researchers eligible to be co-Principal Investigators, co-Applicants, and collaborators
- Co-Principal Investigators and co-Applicants can access NFRF funds

## **Soutien aux collaborations internationales**

- Chercheurs internationaux sont éligible comme co-chercheur principal, co-candidat, et collaborateur
- Les co-chercheurs principaux et co-candidats peuvent accéder aux FNFR

## International Participation

## Participation internationale

	2018 Exploration	2019 Exploration	2020 Exploration *	2020 Transfor- mation*	
Applications with international co-principal investigator and/or co-applicant	20.4%	17.7%	20%	76%	Demandes avec des co-chercheurs principaux et/ou des co-candidats internationaux
Applications with international co-principal investigator, co-applicant and/or collaborator	47.8%	41.4%	35%	92%	Demandes avec des cochercheurs principaux, des cocandidats et/ou des collaborateurs internationaux

\* Includes all applications submitted; competition in progress

\* Inclût tous les demandes soumises; concours en cours

# Exploration

- Supports **high-risk, high-reward**, and **interdisciplinary** research
- Grants up to \$250,000 over 2 years (including up to 25% for indirect costs)
- Minimum team size: 2 (since 2019)
- Competitions held annually; minimum 100 new awards/year
- Suscite des occasions de renforcer la capacité du Canada en matière de recherche **interdisciplinaire à haut risque et à haut rendement**
- Subventions pouvant s'élever jusqu'à 250 000 \$ sur deux ans (coûts indirects compris)
- Concours annuels; minimum de 100 subventions par an

# Exploration 2018 – Exploration 2020

- 2018
    - Targeted to Early Career Researchers (ECR)
    - ~1700 NOIs, 1316 applications
    - 157 grants awarded
  - 2019
    - Open to all researchers
    - 917 LOIs, 335 invited to Full Application stage
    - 183 grants awarded
  - 2020
    - Open to all researchers
    - Launched June 2020
    - 608 applications submitted
- 2018
    - Dédié aux chercheurs en début de carrière
    - ~ 1700 avis d'intention soumis; 1315 demandes soumises
    - 157 subventions octroyées
  - 2019
    - Ouvert à tous les chercheurs
    - 917 lettre d'intention, 335 invité au stage de la demande complète
    - 183 subventions octroyées
  - 2020
    - Ouvert à tous les chercheurs
    - Lancé en juin
    - 608 demandes soumises



# Transformation

- Supports large-scale, Canadian-led, world-leading interdisciplinary research projects that address a major challenge with the potential to realize real and lasting change
- Grants up to \$24,000,000 over 6 years (including indirect costs)
- Competitions held every 2 years; minimum 6 awards/competition
- Soutien des projets de recherche interdisciplinaires de grande envergure qui sont dirigés par des Canadiens et qui abordent une question importante en ayant la possibilité de mener à des changements concrets et durables
- Subventions pouvant s'élever jusqu'à 24 millions de dollars sur 6 ans (coûts indirects compris)
- Concours tenus aux deux ans; au moins 6 bourses par concours

# Transformation 2020

- Launched December 5, 2019
  - 460 NOIs submitted
  - 347 LOIs submitted
  - 31 invited to the Full Application stage
- Lancé le 5 décembre 2019
  - 460 avis d'intention reçues
  - 347 lettres d'intention soumises
  - 31 invité au stage de la demande complète

# International

- Supports international collaborations and positions Canada and Canadian researchers as strategic partners at the international level
- Includes two 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
- Soutien des collaborations internationales et positionne le Canada et les chercheurs canadiens à titre de partenaires stratégiques sur la scène internationale
- Le volet comprend deux mécanismes:
  - **Initiatives conjointes**
    - Des appels à propositions conjoints lancés avec des organismes internationaux sur des sujets d'intérêt internationaux
  - **Plateformes mondiales**
    - Un fonds destiné à soutenir la participation des chercheurs canadiens au sein d'équipes internationales pour l'exécution de projets dans le cadre d'appel de grandes plateformes mondiales



## 2020 Horizon Global Platform Competition

- Follows announcement made at Canada-European Union Summit Joint Declaration in July 2019
- Launched January 30, 2020
- Supports Canadian researchers participating in projects funded by Horizon 2020 through one of 34\* calls
- Calls selected based on alignment with NFRF objectives
- They fall into two categories:
  - are specifically targeted by the European Union (EU) for international collaboration (as identified by the EU);  
or
  - involve research topics that cross tri-agency disciplinary boundaries within the [Societal Challenges Section](#) of Horizon 2020.
- Up to \$125,000 per year for a maximum of four years (including up to 25% indirect costs)

## Concours du programme Horizon 2020 sur les grandes plateformes mondiales

- Suit une annonce dans le cadre de la Déclaration conjointe du Sommet Canada-UE en juillet 2019
- Lancé le 30 janvier, 2020
- Soutient les chercheurs canadiens participant à des projets financés par Horizon 2020 sous un de 34\* appels
- Appels sélectionnés en fonction de l'alignement avec les objectifs NFRF Ils se divisent en deux catégories:
  - sont spécifiquement ciblés par l'Union européenne (UE) pour une collaboration internationale (telle qu'identifiée par l'UE);  
ou
  - impliquent des sujets de recherche qui traversent les frontières disciplinaires des trois agences au sein de la section Défis sociétaux d'Horizon 2020.
- Jusqu'à 125 000 \$ par année pour une période maximale de quatre ans (coûts indirects compris)



New Frontiers in Research Fund  
Fonds Nouvelles frontières en recherche

- Website

[www.sshrc-crsh.gc.ca/funding-financement/nfrf-fnfr/index-eng.aspx](http://www.sshrc-crsh.gc.ca/funding-financement/nfrf-fnfr/index-eng.aspx)

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- Site web

<https://www.sshrc-crsh.gc.ca/funding-financement/nfrf-fnfr/index-fra.aspx>

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