

Canada's Research Priorities and Funding Agencies

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Canada Research Coordinating Committee

Presentation

Research Priorities

- ▶ Policy Drivers
- ▶ Canada Research Coordinating Committee
- ▶ Interdisciplinary and International Research
- ▶ Indigenous Research and Reconciliation

Canadian Funding Agencies: International Research

- ▶ Canada Foundation for Innovation
- ▶ Canadian Institutes of Health Research
- ▶ Natural Sciences and Engineering Research Council
- ▶ Social Sciences and Humanities Research Council

Policy Drivers

The Fundamental Science Review (April 2017)

- Improve support for international, multidisciplinary, risky and rapid-response research;
- Ensure better access to funding for young researchers;
- Improve equity, diversity and the capacity of Indigenous communities to conduct research and partner with the broader academic community;
- Make the research system more nimble so that researchers can seize opportunities with minimal administrative burden.

Canada Research Coordinating Committee

Members:

Canada Foundation for Innovation (CFI)
Canadian Institutes of Health Research (CIHR)
Natural Sciences and Engineering Research Council (NSERC)
Social Sciences and Humanities Research Council (SSHRC)

Health Canada (HC)
Industry, Science and Economic Development (ISED)
National Research Council (NRC)
Office of the Chief Science Advisor (OCSA)

Mandate:

- ▶ Advance collaboration and coordination of programs and policies, and address issues of common concern to CFI, CIHR, NSERC and SSHRC

Priorities:

- ▶ Interdisciplinary, international, high-risk/high-reward, rapid-response research;
- ▶ Key emerging research areas;
- ▶ Equity, diversity and inclusion in research;
- ▶ Indigenous research; and
- ▶ the needs of early career researchers.

Interdisciplinary and International Research



New Frontiers in Research Fund

- \$275M over 5 years with \$65M ongoing
- Support for international, interdisciplinary, fast-breaking and high-risk research in three streams:
 - **Exploration:** High-risk / high-reward interdisciplinary research
 - **Transformation:** interdisciplinary and transformative research
 - **International:** Canadian participation in research with international partners
- Innovative approaches to program design and merit review
- Promotes equity, diversity and inclusion

Inaugural Call: Exploration stream

- For early career researchers to conduct high-risk / high-reward interdisciplinary research not funded through agency programs. Innovative, unconventional approaches and ideas.
- \$125,000 per year for up to two years. Minimum 75 awards per year.
 - Launch: December 6, 2018
 - Notice of Intent: January 11, 2019
 - Application: February 7, 2019
 - Announcement: pending

Canadian Funding Agencies



Canadian Institutes of Health Research
(\$1.01 billion)



Natural Sciences and Engineering
Research Council of Canada (\$1.2 billion)



Social Sciences and Humanities Research
Council of Canada (\$388.2 million)



Canada Foundation for Innovation
(\$460 million*)

Created in 2000, CIHR is a unique model for health research.

Composed of 13 virtual Institutes with wide-ranging mandates across health disciplines, CIHR provides leadership and support to health researchers and trainees across Canada and around the world.





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

Bilateral and Multilateral Strategic Opportunities

Dedicated CIHR funds on targeted health priority calls with targeted countries

Investigator-led Funding Opportunity

Foreign researchers eligible as Principal, Co-Applicant or Collaborator. Funding administered by Canadian Nominated Principal Applicant.

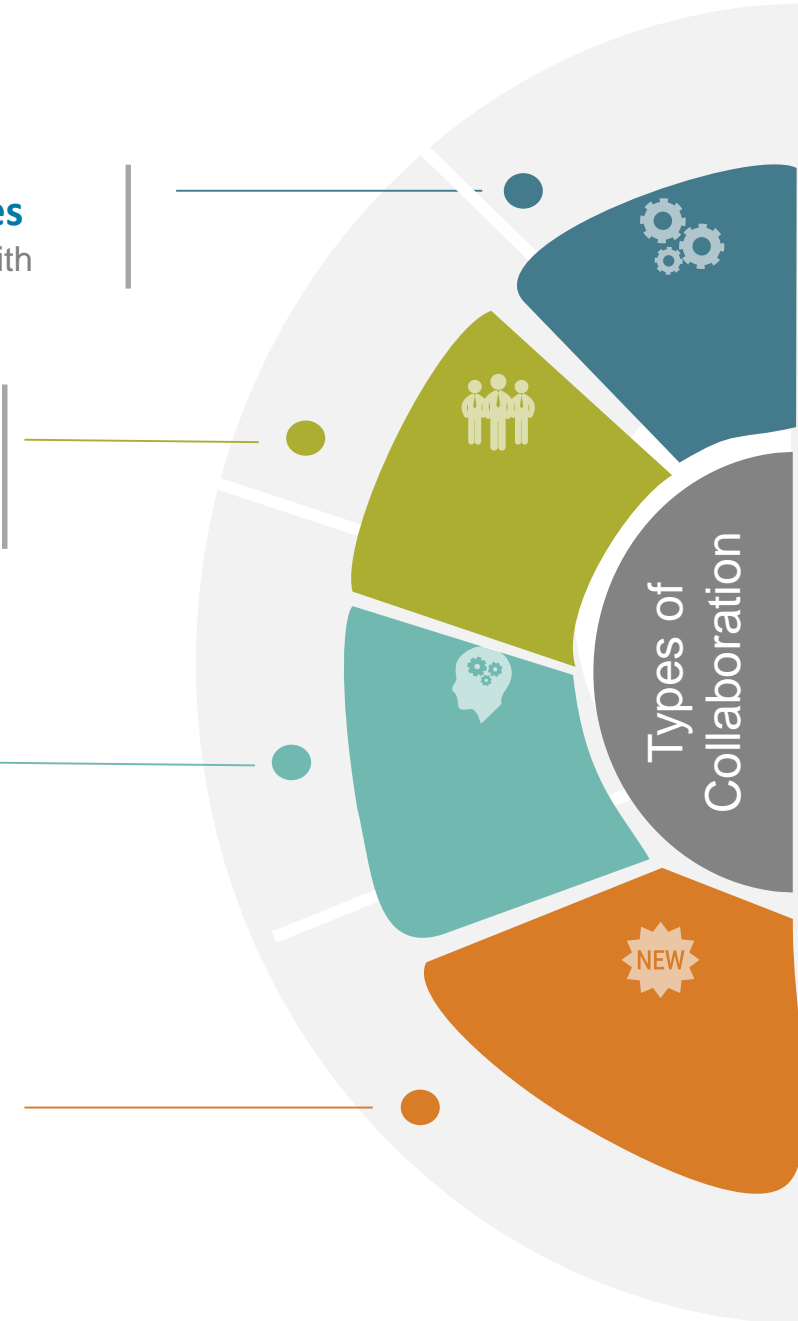
Training Programs

CIHR training programs enable foreign researchers to train in a Canadian research environment:

- [Banting Postdoctoral Fellowships](#)
- [Vanier Canada Graduate Scholarships](#)
- [CIHR Post-Doctoral Fellowships](#)

New Tri-Council Fund

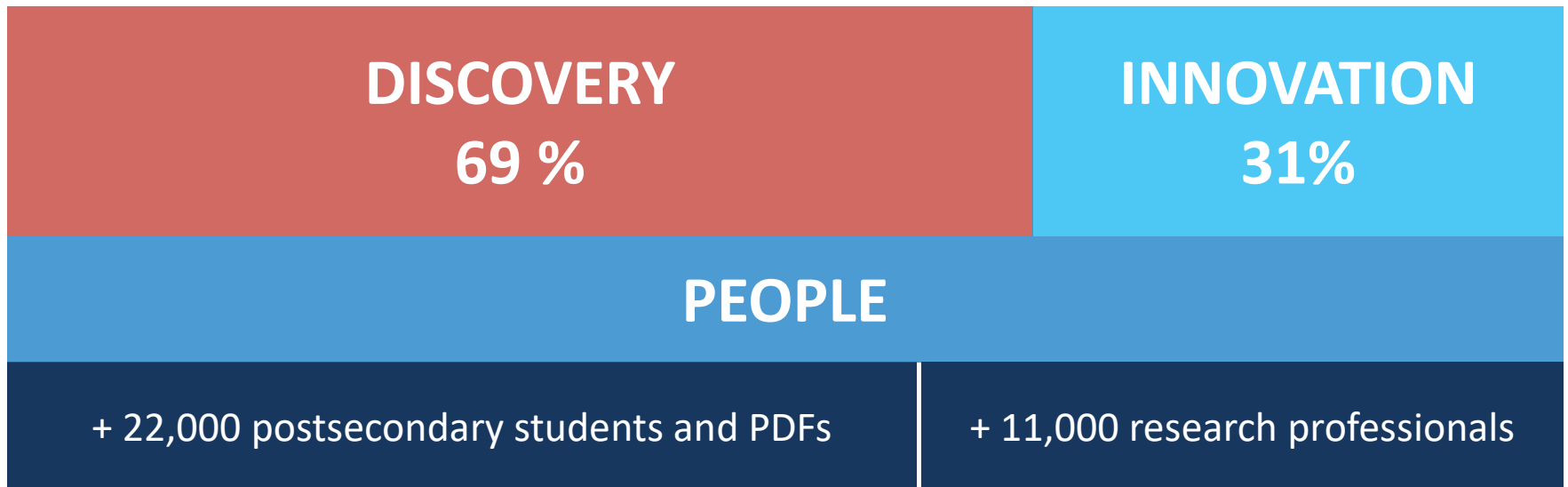
New Frontiers in Research Fund will invest \$275 million over 5 years and \$65 million per year ongoing, for international, interdisciplinary, and high-risk research





NSERC's Vision

A country of Discoverers and Innovators

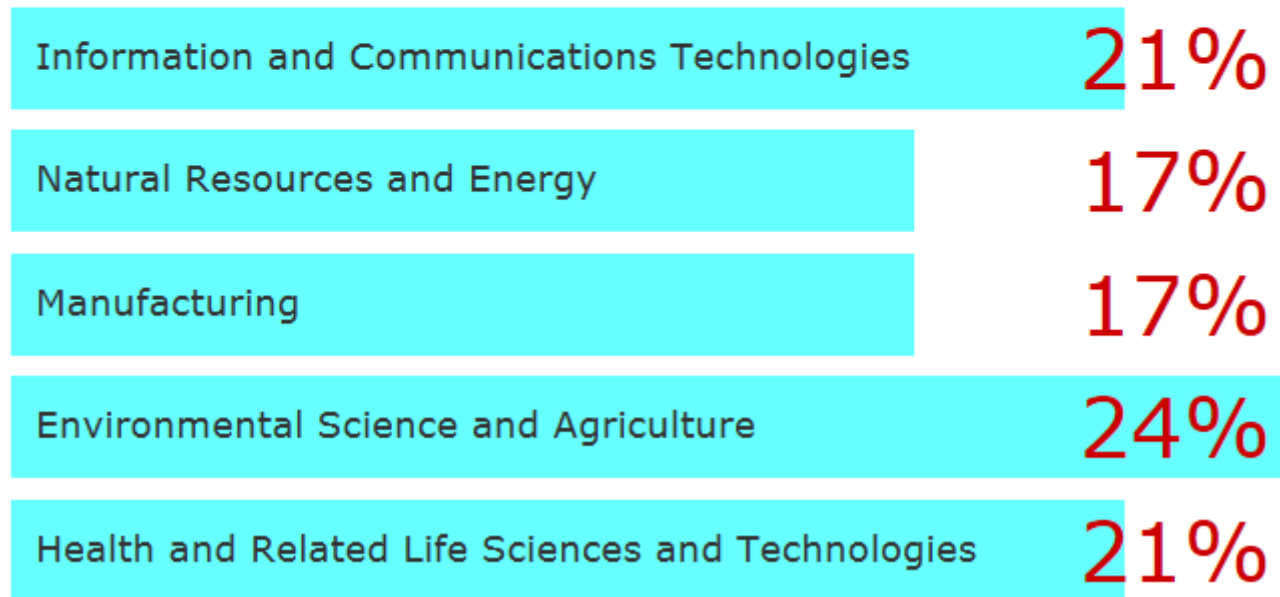




**NSERC
CRSNG**

NSERC Investments in Selected Priority Areas (2016-17)

\$967.1 million





**NSERC
CRSNG**

Multilateral Connections



BELMONT
F O R U M

GLOBAL
RESEARCH
COUNCIL

TALENT

Building the next generation of leaders and equipping them for research-intensive careers across the economy and society

- Master's Scholarships
- Doctoral Scholarships
- Postdoctoral Fellowships

INSIGHT

Fostering research-based knowledge about people

- Insight Development Grants
- Insight Grants
- Support to institutions

CONNECTION

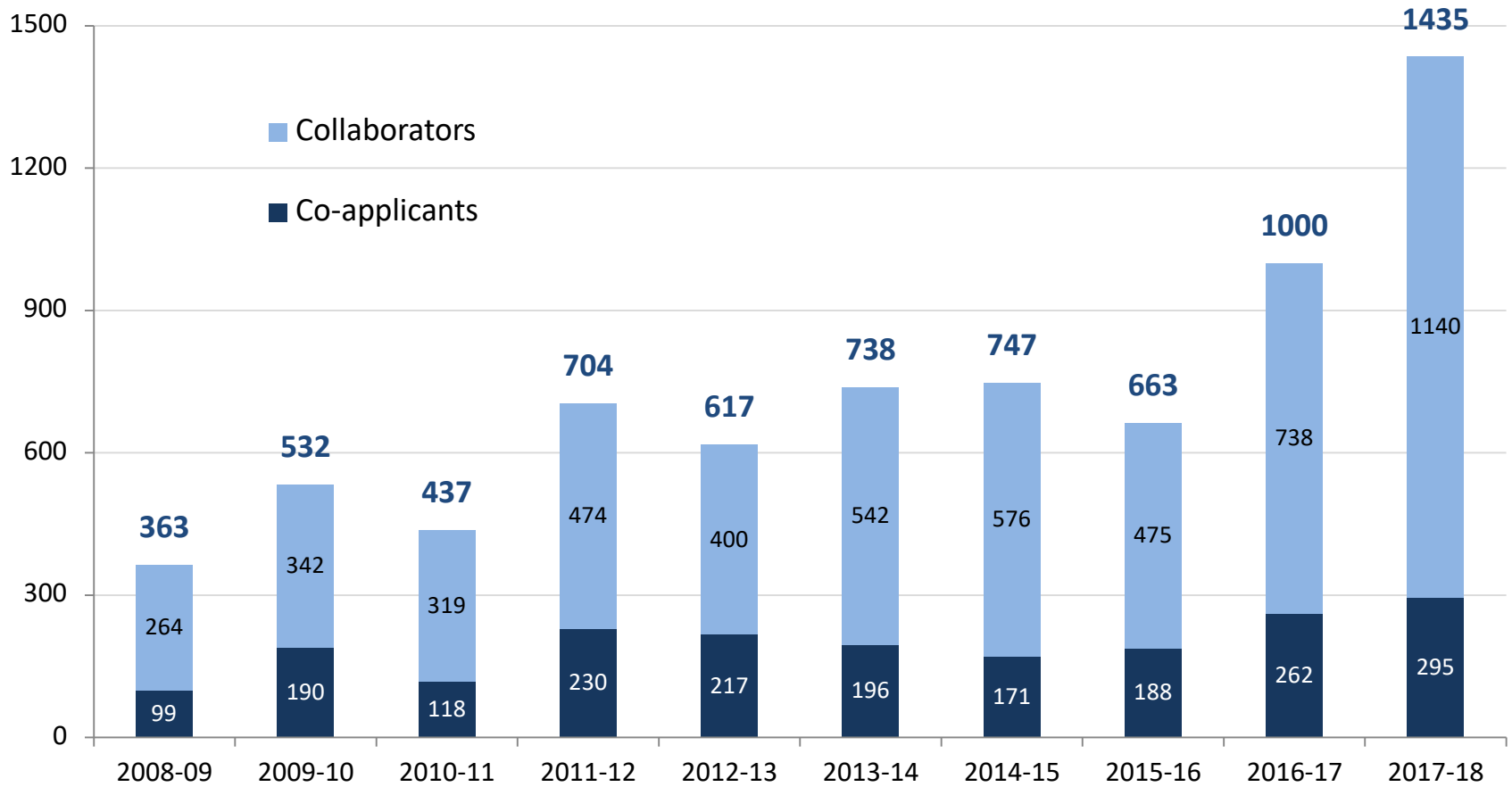
Supporting the flow and exchange of that knowledge within and beyond academe.

- Connection Grants
- Support for Journals
- Knowledge Synthesis Grants

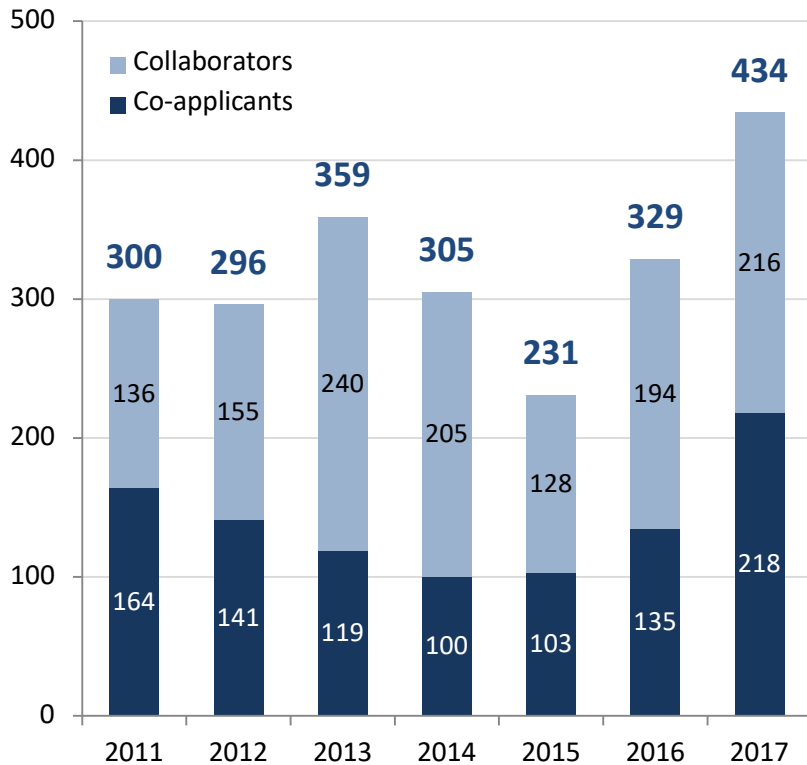
PARTNERSHIPS

Within the academic community and between academe, industry, government, not-for-profits and communities

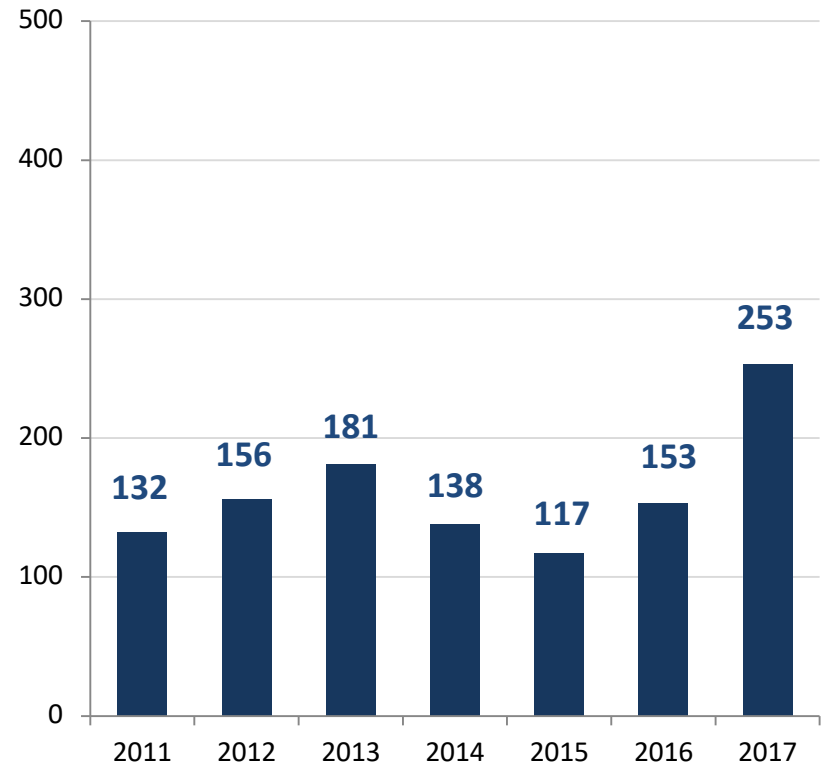
- ↳ Partnership Development Grants
- ↳ Partnership Grants
- ↳ Partnership Engage Grants

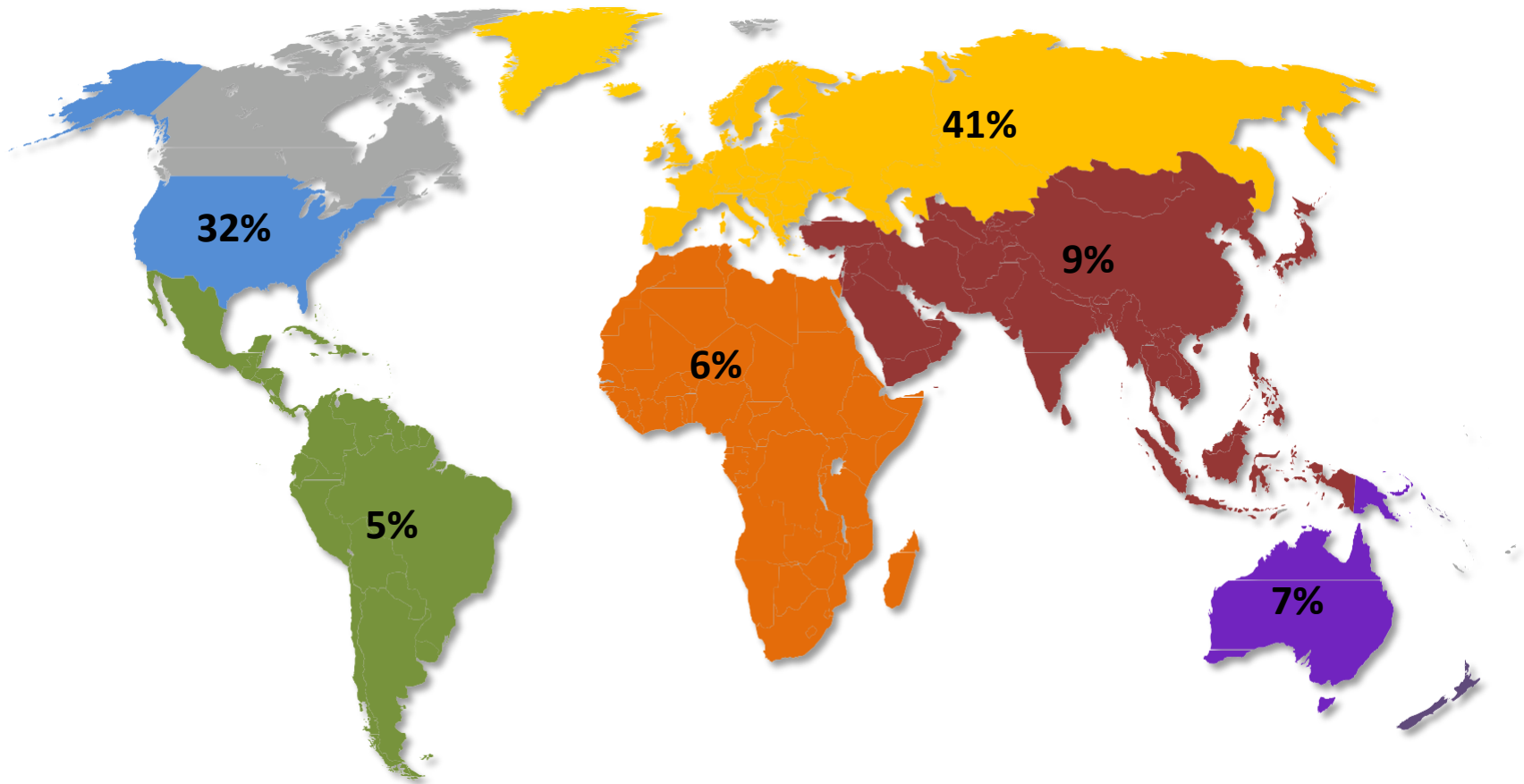


Researchers

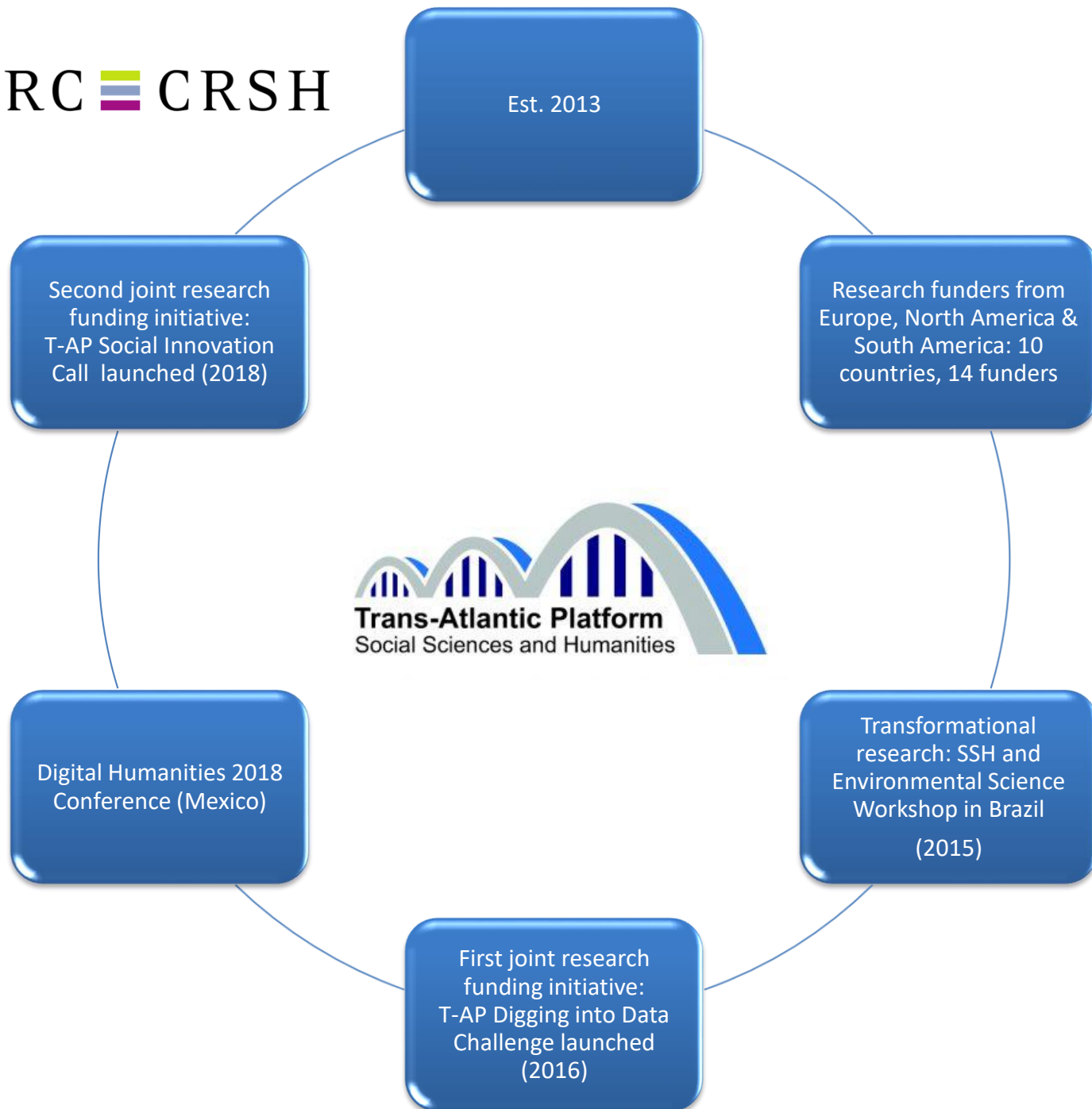


Partner Organizations





*Total number of international Researchers in the last 5 years: 4,583



- Created in 1997, the Canada Foundation for Innovation invests in research infrastructure
- CFI investments ensure Canadian researchers have the tools they need to contribute to:
 - ✓ better health outcomes,
 - ✓ a cleaner, greener economy,
 - ✓ evidence-based decision making, and
 - ✓ the competitiveness of Canadian business.
- The CFI removes the boundaries between basic and applied research

A unique funding model

- CFI provides 40% of infrastructure costs (remaining 60% provided by provinces, institutions, international partners, and the private sector)
- Over 20 years, CFI has invested over \$7.8 billion in research infrastructure, generating over \$19 billion in overall investment
- Highly competitive funding requiring excellence and institutional commitment to maintaining the infrastructure for its useful life

International Collaboration

CFI Awards

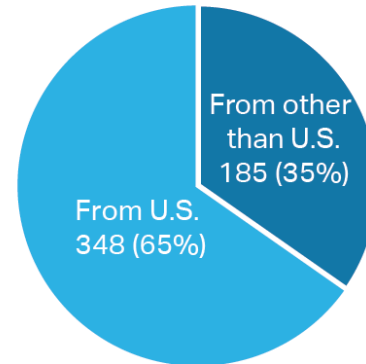
- Approximately **55% of new recruits** associated with CFI JELF awards came from outside of Canada
- **14% of projects** reported that CFI infrastructure had a significant impact on the ability to **leverage funding from foreign governments**
- **41% of external users** were from outside Canada with almost half coming from the US, UK and France in 2017
- **International researchers** are involved in **almost half of the collaborative research** reported
- In 2017, the Innovation fund **merit review process relied heavily on international experts**, with 70% of reviewers from outside Canada

Project progress report data collected between 2013 and 2017

CFI-funded infrastructure helped Canadian institutions recruit a total of **976** researchers since 2013.



Researchers from foreign countries



- Australia
- Bangladesh
- Brazil
- China
- Denmark
- France
- Germany
- Ireland
- Italy
- Malaysia
- Netherlands
- New Zealand
- Portugal
- Singapore
- Sweden
- Switzerland
- Thailand
- Turkey
- United Arab Emirates
- United Kingdom





Canada Research Chairs



Canada Excellence Research Chairs



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Thank You

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