



# NSERC Alliance Grants

Canada's research partnership program

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British Columbia Institute of Technology - September 18, 2019  
Natural Sciences and Engineering Research Council of Canada

**One**  
**New**  
**Flexible**  
**Simplified**  
**Enhanced**  
**Responsive**  
**Partnerships**  
**Program**

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 for the benefit of all Canadians.



**The program...**



# Alliance Grants...

were designed in consultation with the community and create an enabling platform for starting and growing research partnerships, while building on the strengths of our previous Research Partnerships Programs.

## Previous Programs

- Engage Grants
- Collaborative Research & Development Grants
- Strategic Grants
- Industrial Research Chairs

## Alliance Grants

- more flexible
- more eligible partners
- no restriction on research topic
- no application deadlines
- simpler process
- faster decision times



# Alliance Grants support collaborative projects that will...

Generate new knowledge / technology

Create economic / social / environmental benefits

Contribute to Canada's long-term competitiveness

Support public policy

Train new researchers

Draw on diverse perspectives / skill sets



# Projects can vary in size and scope

- Smaller short-term projects with one researcher
- Long-term projects involving several researchers
- One-on-one collaborations with one partner organization that actively participates in research
- Projects involving many partners organizations from different sectors



## Grant size and project duration

The minimum grant size is **\$20,000** per year

The maximum is **\$1 million** per year

Alliance Grant projects can range from **1 year** up to **5 years** in duration

Shorter projects can be scaled up or extended within the maximum 5-year period



**Research...**





# Research topics

**Alliance Grants can support any R&D project that responds to a research challenge in the natural sciences or engineering**

- *See: Selecting the Appropriate Federal Granting Agency*

**Applicants may collaborate with academic researchers in fields other than the natural sciences or engineering**

- **Costs for these collaborations must be identified in the project budget**
- **Up to a maximum of 30% of the shared project costs**



**Partners...**



# Examples of partner organizations

## with contributions recognized in cost-sharing calculations

Private Sector	Public Sector	Not-for-profit Sector
<ul style="list-style-type: none"><li>• Canadian private companies</li><li>• Multinationals with presence in Canada</li><li>• Foreign companies (not as sole partner)</li></ul>	<ul style="list-style-type: none"><li>• Municipalities, local/regional governments</li><li>• Federal/provincial/territorial government departments (not funding agencies)</li><li>• Public utilities</li><li>• Crown corporations</li><li>• Indigenous governments</li></ul>	<ul style="list-style-type: none"><li>• Producer groups</li><li>• Industrial associations</li><li>• Registered charities with a research mandate</li><li>• Museums/libraries</li><li>• Indigenous groups</li><li>• Community groups</li></ul>



# Role of partner organizations

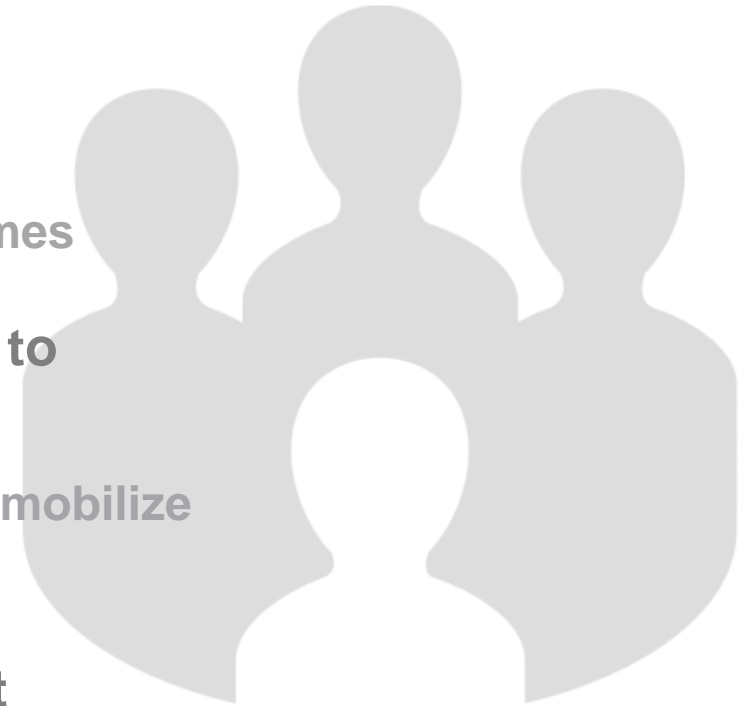
**Every partner organization must do at least one of:**

- Play an active role in research activities
- Utilize the research results and achieve desired outcomes
- Play an active role in mobilizing knowledge to generate outcomes

**At least one partner organization must demonstrate ability to exploit research results**

- Other partners may be chosen for their ability to generate and mobilize knowledge

**Partner organizations must collectively support the project through cash and/or in-kind contributions**



# Cost-sharing...



# Cost-sharing

**Alliance Grants are calculated based on cost-sharing with the partner organizations**

- **The portion that can be cost-shared with NSERC includes only the cash contributions from partner organizations recognized for cost sharing**

**In-kind contributions are important for the success of the project**

- **In-kind contributions are considered as part of the proposal evaluation**
- **In-kind should not be considered when determining NSERC's contribution to the project costs**



# Cost-sharing options

Alliance Grants incorporate a three-tiered cost-sharing structure

NSERC will provide:

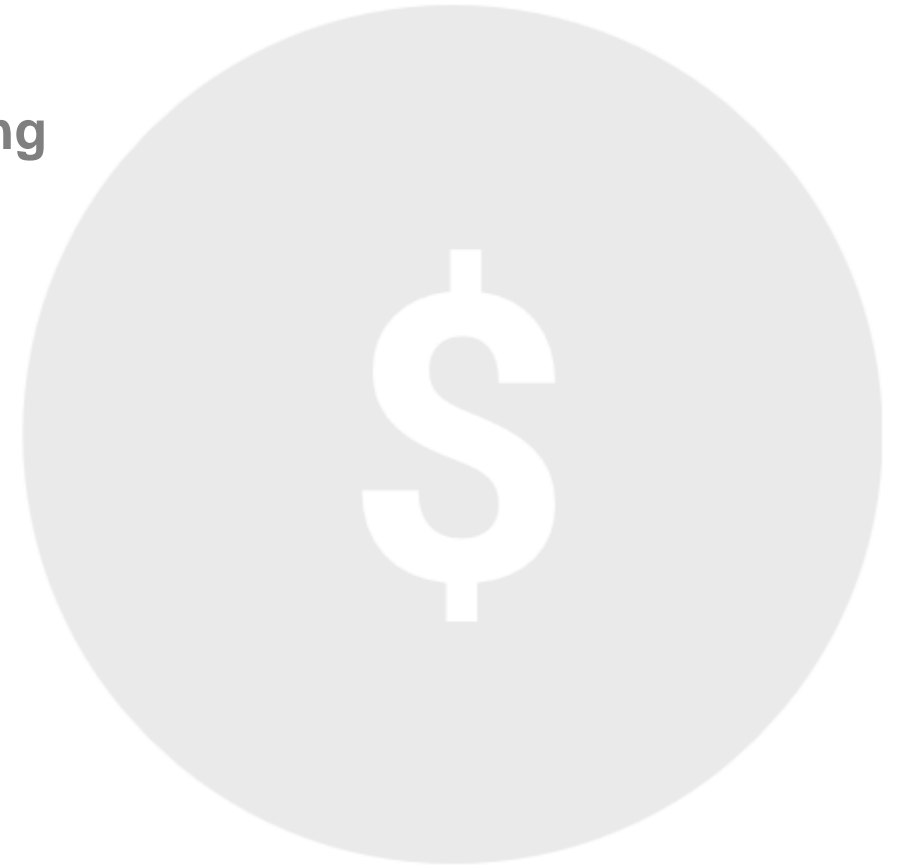
## OPTION 1

**50%** (a 1:1 leverage ratio),

**66%** (a 2:1 leverage ratio), or

## OPTION 2

**90% to 100%** of the shareable costs, depending on the size of the partner organizations and the type of partnership



# Cost-sharing options

## Option 1

Size of partner organization	Type of partnership	NSERC Contribution to Project costs	Parameters
<b>Large organizations*</b> 500+ employees globally	Sole partner organization or in partnership exclusively with other large organizations	50% (1:1 leverage)	Applications per year: no limits  Grant size: \$20,000 to \$1 million per year  Duration: 1 to 5 years
	As a partner with small and medium-sized enterprises such as in value- or supply-chain relationship, or with other sectors*	66% (2:1 leverage)	
<b>Small and medium organizations*</b> Less than 500 employees globally	Sole partner organization or in partnership with other sectors*	66% (2:1 leverage)	

\*including private, public and not-for-profit





# Cost-sharing options

## Option 2

Size of partner organization	Type of partnership	NSERC Contribution to Project costs	Parameters
<b>All partner sizes</b> Partnership must include one organization that is recognized for NSERC cost-sharing	<b>Exclusively not-for-profit and public partner organizations</b>	<b>100%</b>	<b>Applications within a 12-month period:</b> <ul style="list-style-type: none"> <li>Two for non-academic partners</li> <li>Two for applicants (one as the principal investigator, one as co-applicant)</li> </ul> <b>Grant size: \$20,000 to \$200,000 per year</b>  <b>Duration: 1 to 5 years</b>
	<b>Any private-sector partner organization</b>  Requires a 10% cash contribution from the combined partner organizations	<b>90%</b>	



# Contributions recognized in cost-sharing calculations

## Private Sector

Cash contributions can be recognized*	Cash contributions <i>cannot</i> be recognized
<ul style="list-style-type: none"><li>• Canadian private companies</li><li>• Multinationals with a presence in Canada</li><li>• Foreign companies (but not as the sole partner organization)</li></ul>	<ul style="list-style-type: none"><li>• Venture capital / Angel investors / Seed companies</li><li>• Holding companies</li><li>• Companies with less than two full-time employees</li></ul>

\*if NSERC cost-sharing requirements are met



# Contributions recognized in cost-sharing calculations

## Canadian Public Sector

Cash contributions can be recognized*	Cash contributions <i>cannot</i> be recognized
<ul style="list-style-type: none"><li>• Municipalities and local or regional governments established by or under provincial or territorial statute</li><li>• Provincial/territorial government departments</li><li>• Federal government departments</li><li>• Indigenous organizations</li><li>• Public utilities</li><li>• Crown corporations</li></ul>	<ul style="list-style-type: none"><li>• Funding organizations (federal, provincial, territorial, international) whose primary mission is to fund R&amp;D</li><li>• Organizations whose primary mission is to perform R&amp;D and are funded or controlled primarily by government</li><li>• Foreign governments</li></ul>

\*if NSERC cost-sharing requirements are met



# Contributions recognized in cost-sharing calculations

## Canadian Not-for-Profit Sector

Cash contributions can be recognized*	Cash contributions <i>cannot</i> be recognized
<ul style="list-style-type: none"><li>• Producer groups</li><li>• Industrial associations</li><li>• Registered charities that have a mandate to carry out and apply research (within natural sciences and engineering)</li><li>• Organizations whose primary mission is to maintain collections (e.g., historical, scientific, artistic, or cultural) for the public good, such as libraries, museums, zoos or aquariums</li><li>• Community organizations</li></ul>	<ul style="list-style-type: none"><li>• Not-for-profit organizations whose primary mission is to fund R&amp;D and are funded or controlled primarily by government</li><li>• Post-secondary institutions</li><li>• Incubators and accelerators</li><li>• Other registered charities</li><li>• Hospitals and medical/clinical research institutes</li><li>• Philanthropic organizations</li><li>• Consortia with the majority of their funding originating from government sources</li><li>• Foreign not-for-profit organizations</li><li>• Individuals</li></ul>

\*if NSERC cost-sharing requirements are met



# Examples of cost-sharing scenarios...



# Cost-sharing example

## OPTION 1

Large partner organization(s)\* only

*\*within the same sector*

50% cost-sharing  
(1:1 ratio)

Total project cost: \$180,000

- Partner(s) cash contribution<sup>\*\*</sup>: \$90,000
- NSERC contribution: \$90,000

*\*\*Contributions recognized in cost-sharing calculation*

## OPTION 1

Large partner organization(s) with not-for-profit and/or public sector organizations

*\*public, private, or not-for-profit*

66% cost-sharing  
(2:1 ratio)

Total project cost: \$180,000

- Partner(s) cash contribution<sup>\*\*</sup>: \$60,000
- NSERC contribution: \$120,000

*\*\*Contributions recognized in cost-sharing calculation*



# Cost-sharing example

## OPTION 1

Small / medium-sized organizations\*

*\*public, private, or not-for-profit*

66% cost-sharing  
(2:1 ratio)

Total project cost: \$180,000

- Partner(s) cash contribution<sup>\*\*</sup>: \$60,000
- NSERC contribution: \$120,000

*\*\*Contributions recognized in cost-sharing calculation*

## OPTION 1

Small / medium-sized organizations\*

*\*public, private, or not-for-profit*

66% cost-sharing  
(2:1 ratio)

Total project cost: \$200,000

- Partner(s) cash contribution<sup>\*\*</sup>: \$60,000
- Partner(s) cash contribution NOT considered for cost sharing: \$20,000
- NSERC contribution: \$120,000

*\*\*Contributions recognized in cost-sharing calculation*



# Other sources of funding...





# Project Budget

**Projects can be supported by additional sources of funding that are not recognized for cost sharing**

- Such funds can be listed in the project budget, but are not considered as part of the NSERC cost-sharing calculation
- These additional funds must be described in the proposal and will be considered in the assessment of a proposal's overall merit



**Applying...**

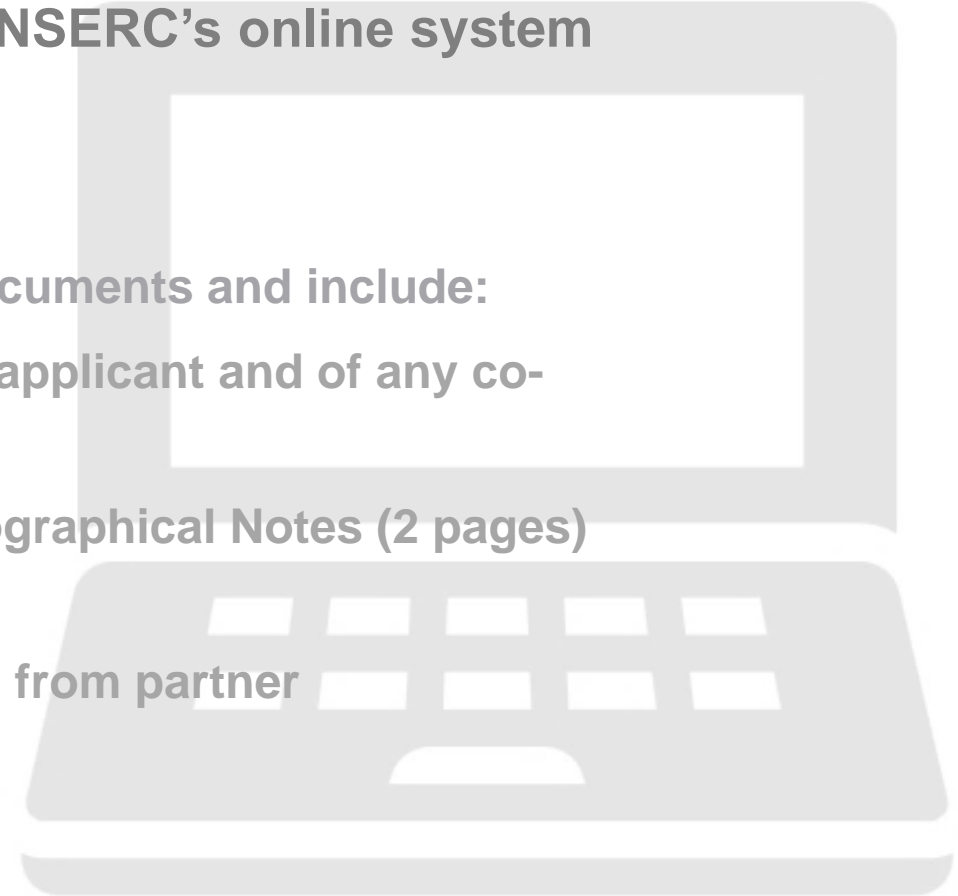


# How to apply

Alliance Grant applications are submitted using NSERC's online system

- (new Form 101)

- Fill in the sections of the electronic form
- Complete the proposal template and supporting documents and include:
  - Form 100A (including the Common CV) of the applicant and of any co-applicants
  - Complete the Template for the Short CV or Biographical Notes (2 pages) of any collaborators
  - Rationale for budget and in-kind contributions from partner organizations
  - The Partner Organization Form
  - Any other relevant document (cover page, etc.)
- See the instructions for NSERC's online system



# How to complete the proposal...



# Proposal Sections & Length

	Average annual request Suggested number of pages per section			
Section	Up to \$30,000/year	Up to \$300,000/year	More than \$300,000/year	More than \$750,000/year
Background and Expected Outcomes	1	2	3	3
Partnership	1	2	3	5
Proposal	2	4	5	10-15
Team	0.5	1	2	4
Training Plan	0.5	1	2	3
	Total number of pages including NSERC template text			
Total	5	10	15	25-30



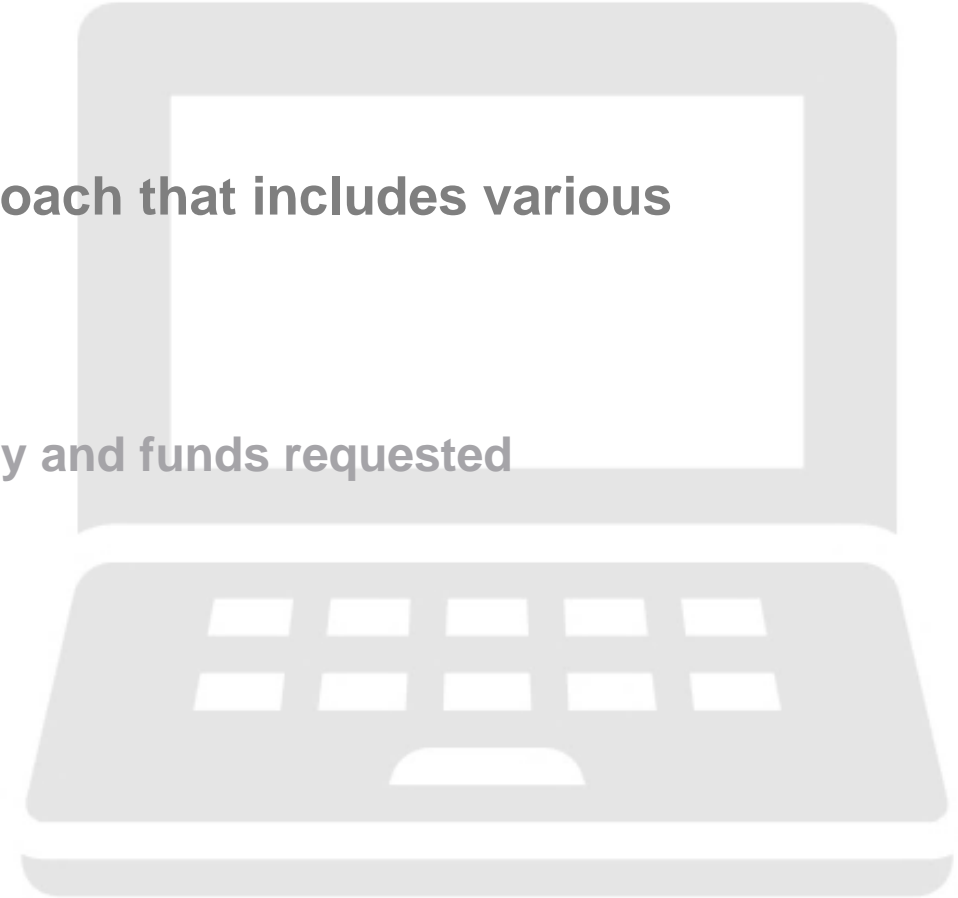
# Assessment of applications...



# How applications are reviewed

**N SERC has adopted a financial risk-based approach that includes various assessment tools**

- Reduces burden and delays
- Recognizes risk as a function of project complexity and funds requested



# Review of the application

Project Size	Small	Medium	Large
Approximate thresholds	Average annual request of \$20,000 to \$30,000 for 1-5 years	Average annual request of more than \$30,000 up to \$300,000 for 1-5 years	Average annual request of more than \$300,000 up to \$1,000,000 for 1-5 years
Review mechanism	<p><b>NSERC File Managers</b></p> <ul style="list-style-type: none"> <li>Evaluation supported by existing NSERC peer review (i.e. Discovery Grant rating, active Canada Research Chair holders, prior Partnership grants)</li> <li>If no existing NSERC peer review evidence is available, external reviewers will be used</li> </ul>	<p><b>External Referees</b></p> <ul style="list-style-type: none"> <li>With expertise directly related to the proposal</li> <li>Provide review based on all evaluation criteria</li> </ul>	<p><b>Ad hoc committee members</b></p> <ul style="list-style-type: none"> <li>With expertise directly related to the proposal</li> <li>Provide review based on all evaluation criteria</li> </ul>
Funding decisions	NSERC assigns merit indicators to determine priority for funding		
Expected decision time	4 weeks	8-12 weeks	12-16 weeks





# Evaluation Criteria...



# Evaluation criteria

Applications are evaluated using the following criteria:

- Relevance and outcomes
- Partnership
- Quality of the proposal
- Training



# Evaluation criteria

## Relevance and outcomes

25%

- Significance of the intended outcomes and of the economic, social and/or environmental benefits for Canada
- Originality of research and production of new scientific knowledge
- Strategy to apply the results

## Partnership

25%

- Relevance to achieve the expected results; leveraging of different types of partner organizations and the integration of their unique perspectives and knowledge in the project, as appropriate
- Role in defining the challenge, co-designing and implementing the research, and using the results to achieve the desired outcomes
- Appropriateness of the level of cash and in-kind contributions from each partner organization



# Evaluation criteria

## Quality of the proposal

25%

- Clarity of the objectives and deliverables; appropriateness of the scope and size of planned activities to achieve the expected outcomes; justification for the planned expenditures
- Appropriateness of the identified indicators and methods for monitoring progress during the project and for assessing outcomes afterwards
- Appropriateness of academic researchers' expertise, and that found within the partner organizations, both for carrying out the planned research activities and in mentoring trainees

## Training

25%

- Opportunities for enriched training experiences for research trainees (undergraduates, graduates, postdoctoral fellows) to develop relevant research skills as well as professional skills such as leadership, communication, collaboration and entrepreneurship.
- Consideration of diversity and gender equity in the training plan



# Equity, diversity and inclusion

**NSERC is committed to excellence in research and research training for the benefit of Canadians.**

**Achieving a more equitable, diverse and inclusive Canadian research enterprise is also essential to creating the excellent, innovative and impactful research necessary to seize opportunities and respond to global challenges.**



# Equity, diversity and inclusion

You are asked to consider sex, gender and diversity in the project's research design and to consider how to promote and support a variety of forms of mentoring to ensure trainees' equitable participation and growth.

- In large proposals, you must strive for equity, diversity and inclusion when developing your group of co-applicants, partners and trainees
- See *Guide for Applicants: Considering equity, diversity, and inclusion in your application*

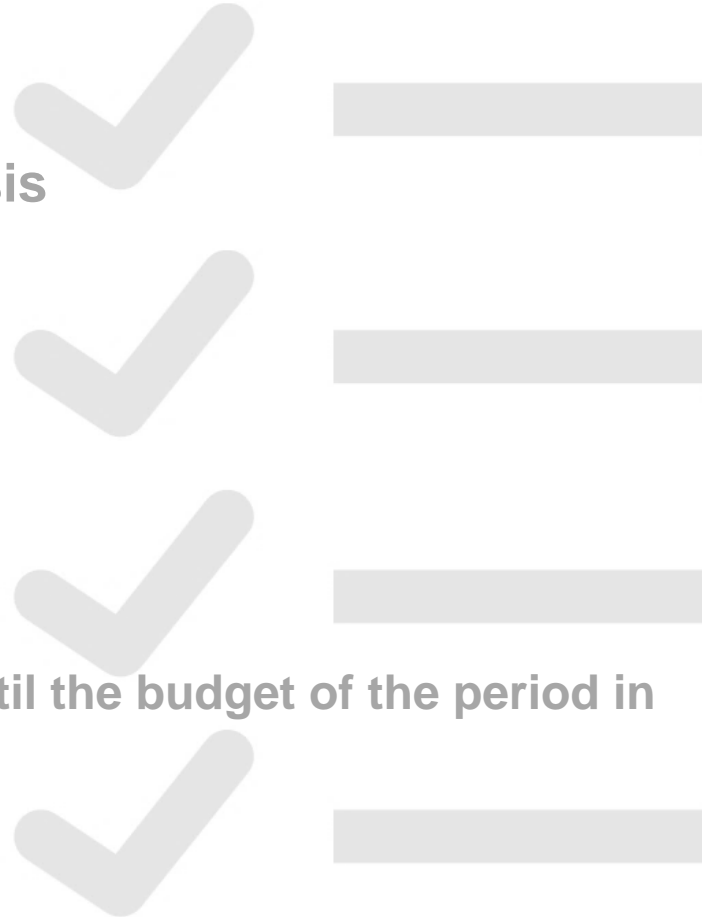


# Funding Decisions

Financing decisions will be made on a competitive basis

Definition of given budget periods

- Assessment using the evaluation criteria
- [Merit indicators](#)
- Ranking according to overall merit
- Applications with the highest merit will be funded until the budget of the period in question is exhausted



**When the request is  
funded...**





# Scaling-up successful research collaborations

**NSERC will support the growth of a project as the partnership progresses by providing options to expand successful projects**

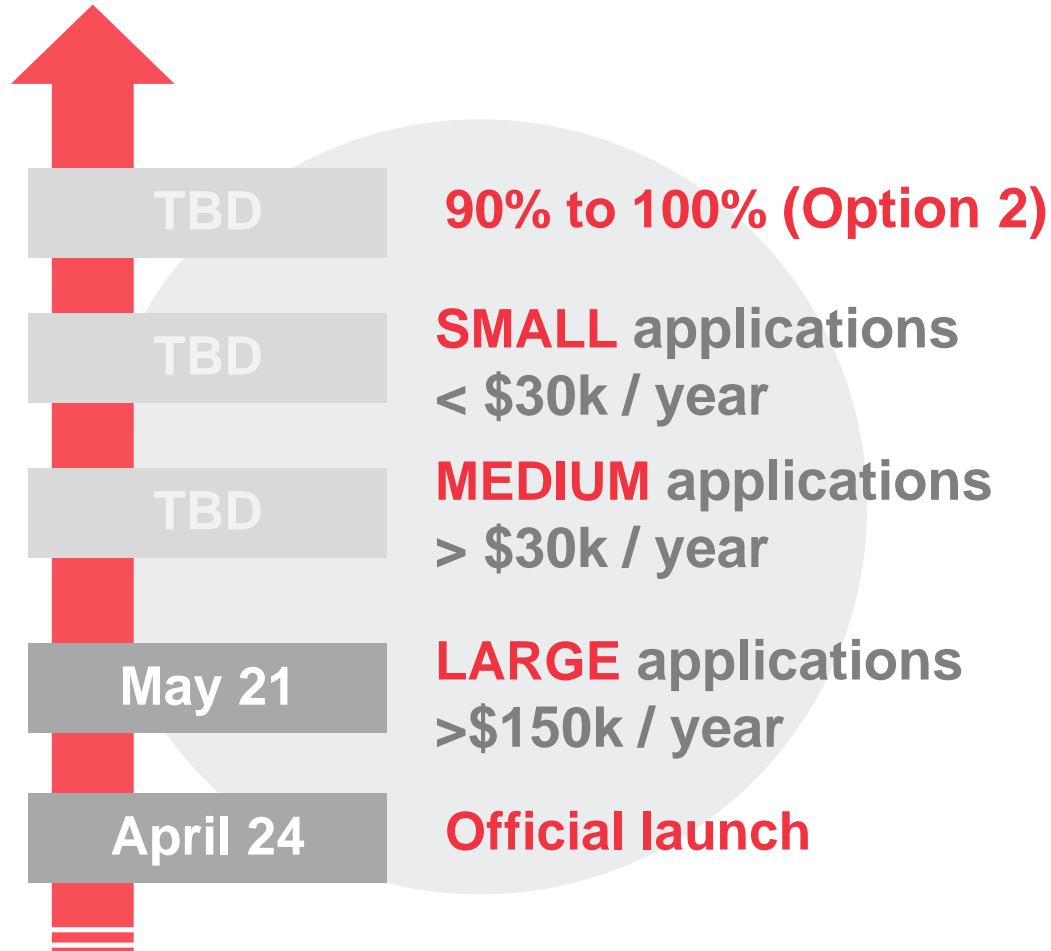
- Additional funds can be awarded within the original timeframe or during additional years of the project
- Maximum project duration (including any time extension) is five years
- Procedure for expanding projects will be detailed at a later date



# Alliance Grants timeline...



# Transition



## Alliance Grants

Deadline for last invited applications for Industrial Research Chairs

Application deadline for CRD, Engage and Engage+

September 2

May 31

## Prior Programs



**Lastly...**



# Alliance... in summary

- Single point of entry for university research partnerships
- Opening up to multisectoral partnerships
- Several levels of cost sharing
- Simplified processes
- Flexible
- Competitive
- Focus on project outcomes



# Alliance... Some Tips/Reminders

- 183A not required
- Form 100A + CCV not Form 100
- Indicators and methods
- EDI is very important
- Merit Indicators
- Use the Template
- Page limits are a rule
- Partnerships are critical
- Letters of support not required



# Thank you!

Visit [nserc.ca/alliance](https://nserc.ca/alliance)  
to learn more about the  
new Alliance grants.

## **NSERC Head Office**

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Natural Sciences and Engineering  
Research Council of Canada

Conseil de recherches en sciences  
naturelles et en génie du Canada

**Canada**

# Useful Links

- [Alliance Grants Website](#)
- [Instructions for completing an Alliance Grant application](#)
- [Role of partner organizations](#)
- [Evaluation Criteria](#)
- [Merit Indicators](#)
- [Use of Grant Funds](#)
- [FAQ](#)





