

Information Session

2017 Cyberinfrastructure Initiative – Challenge 1

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Agenda

- About the Cyberinfrastructure Initiative
- 2017 competition
- Application process
- Review process
- Timeline
- Questions

The Cyberinfrastructure Initiative

To support research data infrastructure projects that create tailored, shared and integrated data resources capable of enabling leading-edge research on significant scientific, social and economic questions.

Projects submitted should bring together a **community of researchers from across the country** who share similar challenges linked to the availability of research data. Projects should **address an existing or emerging challenge for this community** through the **development of new tools and applications or novel ways of organizing and using research data** that would enhance the community's capacity to conduct leading-edge research.

The 2017 competition

Consortia

Tailored,
shared and
integrated
data resources

Emerging gaps or challenges

**Adopt, adapt
& develop**

**Enhance
leading-edge
research**

**Community of
researchers**

Competition objectives

Scientific excellence

Impact and ongoing relevance

Feasibility

Formal
framework
around **Compute
Canada**

Streamlined assessment criteria

Key changes

Definitions:
Scientific & technical experts

Eligibility of
personal computing

**Adopt,
adapt &
develop**

Definitions

Scientific experts

- Subject matter experts
- Involved from the early stage of the project in defining the research questions and the data requirements, based on gaps and opportunities identified by a broader research community
- Serve as advisors during the development of the research data infrastructure AND be the end users once it is fully operational
- Their engagement throughout the project will be critical to the success of the endeavor

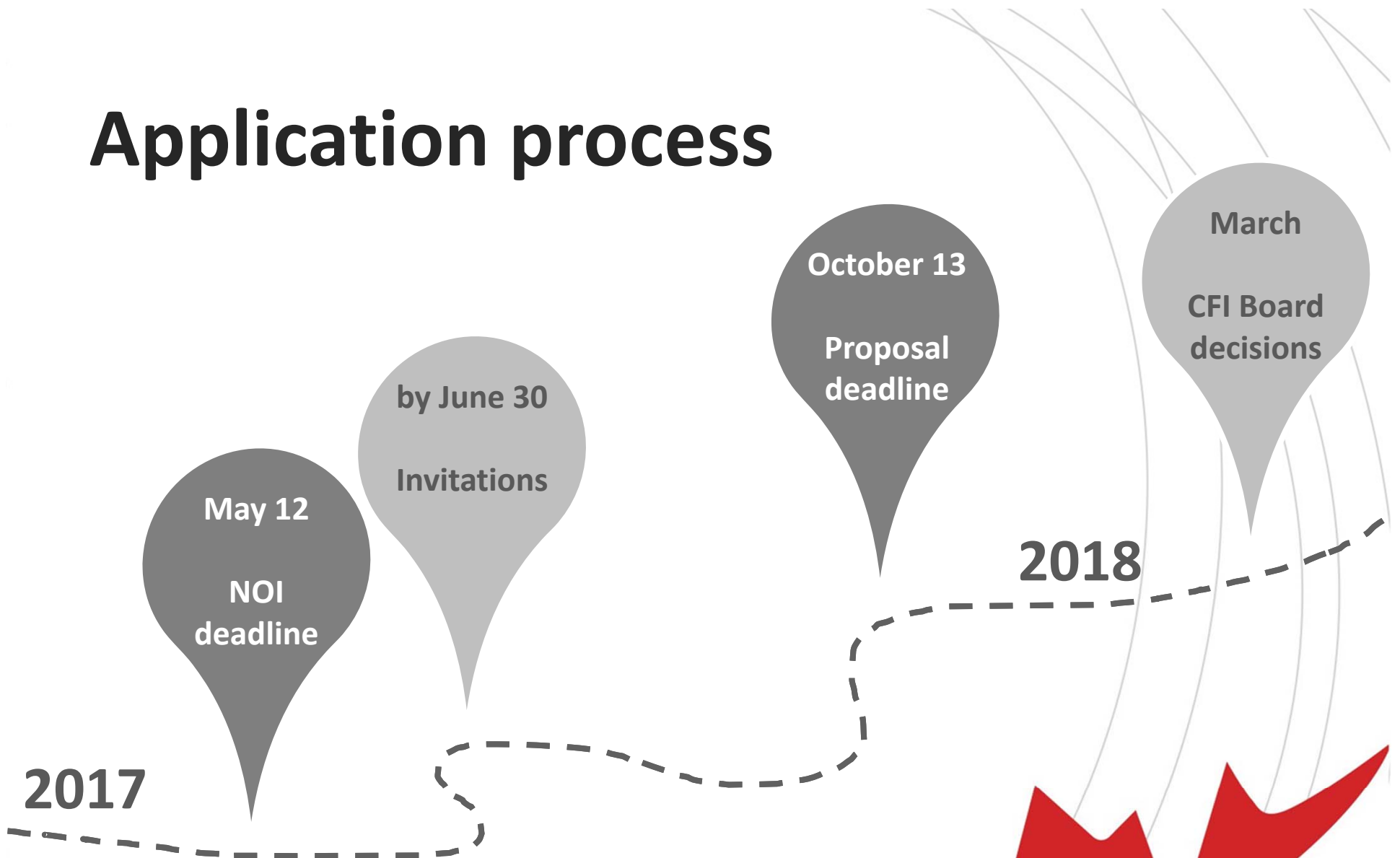
Technical experts

- Software developers, business analysts, data specialists, etc.
- Involved in the day-to-day development of the research data infrastructure and are well aware of technical solutions
- Are not necessarily experts in the scientific area that will benefit from the research data infrastructure

Merit review process



Application process



2017

May 12
NOI
deadline

by June 30
Invitations

October 13
Proposal
deadline

2018

March
CFI Board
decisions

Notice of Intent

<https://www.innovation.ca/awards/cyberinfrastructure-initiative>

At issue

Apply & manage awards

Funded projects

Results & impacts

Stories

About

APPLY FOR FUNDING



Policy and program guide and supplemental information

CAMS

APPLY FOR FUNDING

John R. Evans Leaders Fund

Innovation Fund

College-Industry Innovation Fund

Major Science Initiatives Fund

Cyberinfrastructure Initiative

Exceptional Opportunities Fund

Past funding competitions

Cyberinfrastructure Initiative

Through this initiative, we support research data infrastructure projects that create tailored, shared and integrated data resources (e.g. databases and data repositories) capable of enabling leading-edge research on significant scientific, social and economic questions.

Initiative overview

Important dates

Application process

Review & decision process

Document resources

Institutions must use the [CFI Awards Management System \(CAMS\)](#) to prepare and submit Notices of Intent and the proposals.

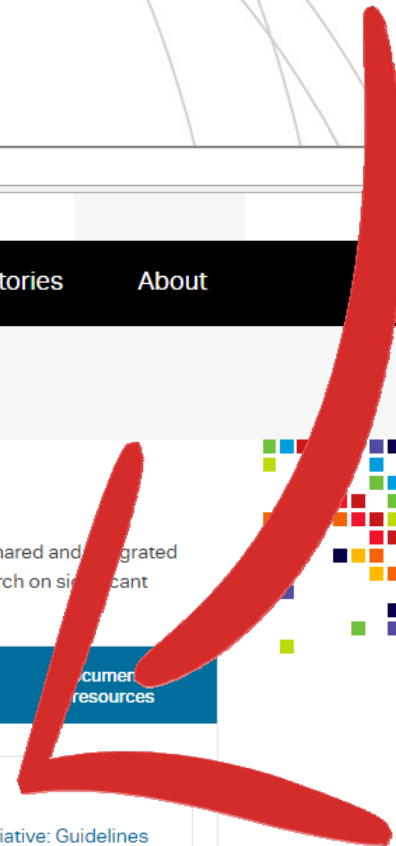
The deadline for the submission of Notices of Intent is May 12, 2017. Each institution must submit by email a list of all Notices of Intent in which it participates as administrator or collaborator and a cover letter signed by the President and CEO or other designate. We will publish a list of the Notices of Intent we receive.

The deadline to submit proposals is October 13, 2017. Each institution must submit by email a list of all the proposals in which it participates as administrator or collaborator and a cover letter signed by the President and CEO or other designate.

Note: An expression of interest is not required for this competition.

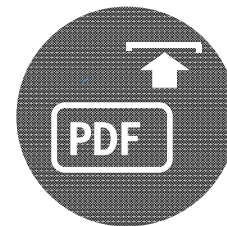
Important documents

[2017 Cyberinfrastructure Initiative: Guidelines to prepare a Notice of Intent \(PDF\)](#)



Notice of Intent

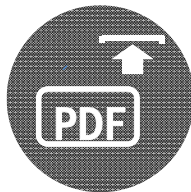
- Project information
- Collaborating institutions
- Scientific experts
- Technical experts
- **Project description**
- Suggested reviewers



Proposal

Project module

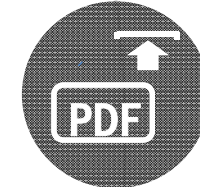
- Project information
- Project summary
- Scientific experts
- Technical experts
- *Assessment criteria*



Collaborating institutions

Finance module

- Cost of items
- *Floor plans*
- Partner contributions
- Infrastructure utilization
- Financial resources for O&M



Suggested reviewers

CVs

Assessment criteria

1. Research

Once completed, the research data infrastructure will enable research activities that are timely, innovative and at the leading edge internationally.

2. Research data infrastructure

The research data infrastructure is necessary and appropriate to enable the proposed research activities and, if applicable, builds on existing national or international data research infrastructure(s). The scope and requirements of the project are clearly defined and the proposed research data infrastructure can be commissioned within 36 months.

Assessment criteria - *continued*

3. Scientific expertise

The scientific experts are established or emerging leaders in the relevant research domains and have the necessary expertise to guide the development of and exploit the research data infrastructure.

4. Technical expertise

The technical experts have the required expertise to efficiently design and build the research data infrastructure.

Assessment criteria - *continued*

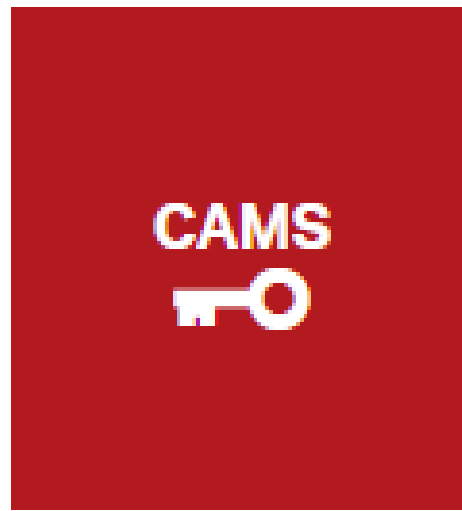
5. Sustainability and maintaining relevance

A compelling plan for the long-term management of the data is in place to ensure ongoing relevance of the infrastructure. The proposal presents a credible plan addressing the long-term financial sustainability of the research data infrastructure.

6. Benefits to Canadians

The research activities enabled by the infrastructure have the potential to lead to significant tangible benefits for society, health, the economy and/or the environment. The use of the research data infrastructure will be maximized by adopting best practices in accessibility, interoperability and generalizability.

Submission process



Questions?

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