Information Session

2017 Cyberinfrastructure Initiative – Challenge 1

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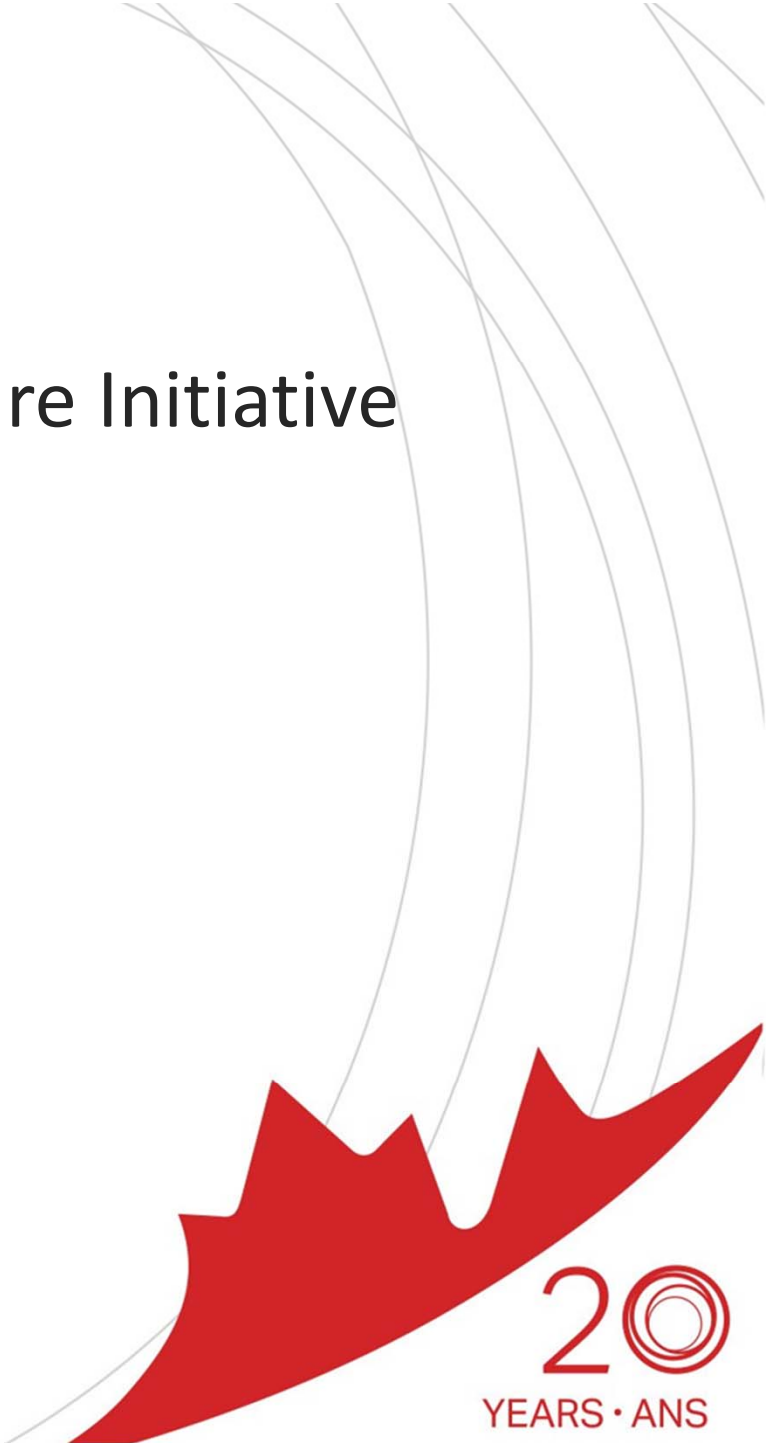
Agenda

- 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.

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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.

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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

Adopt, adapt & develop

Eligibility of personal computing

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

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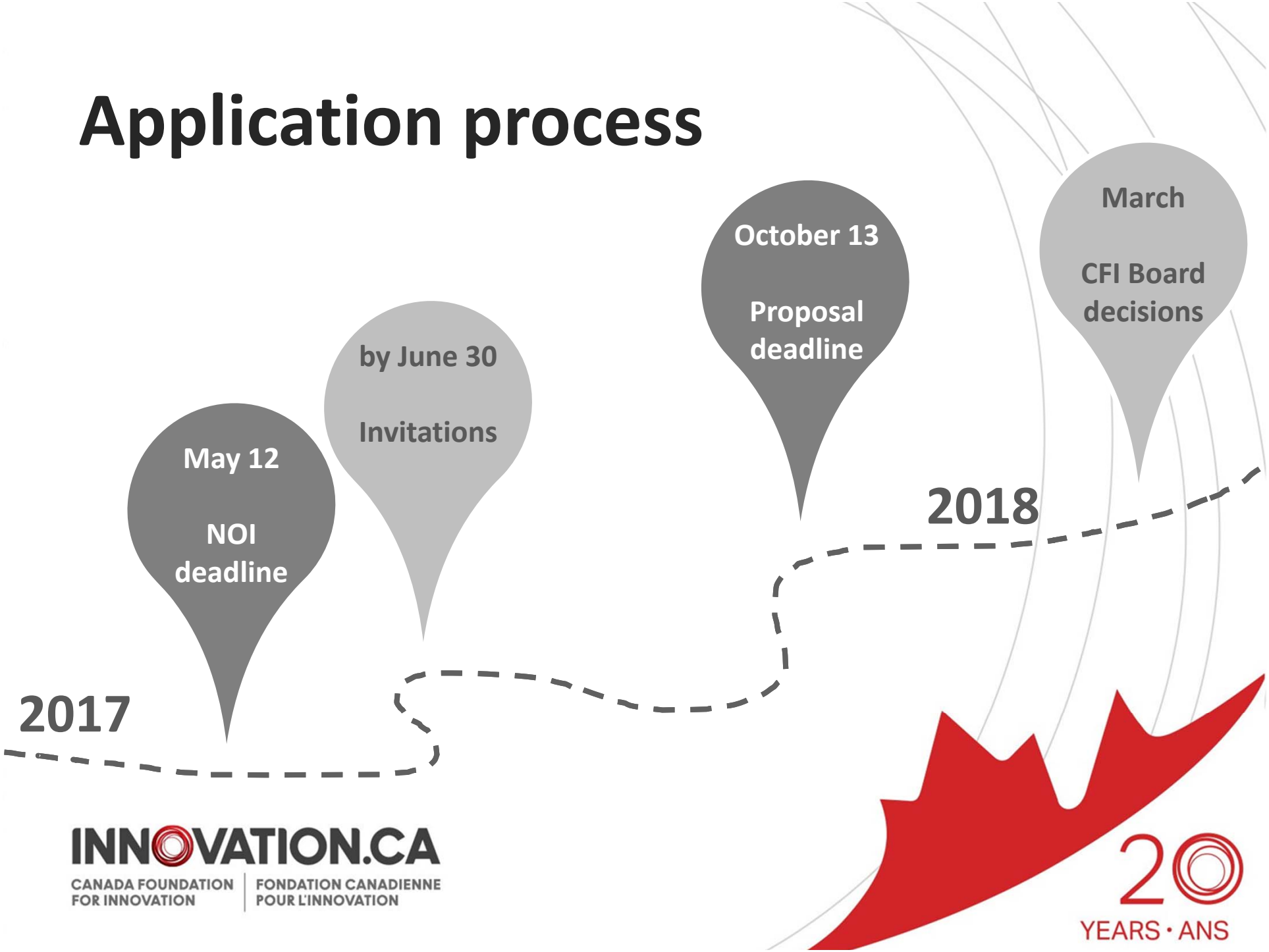
Application process



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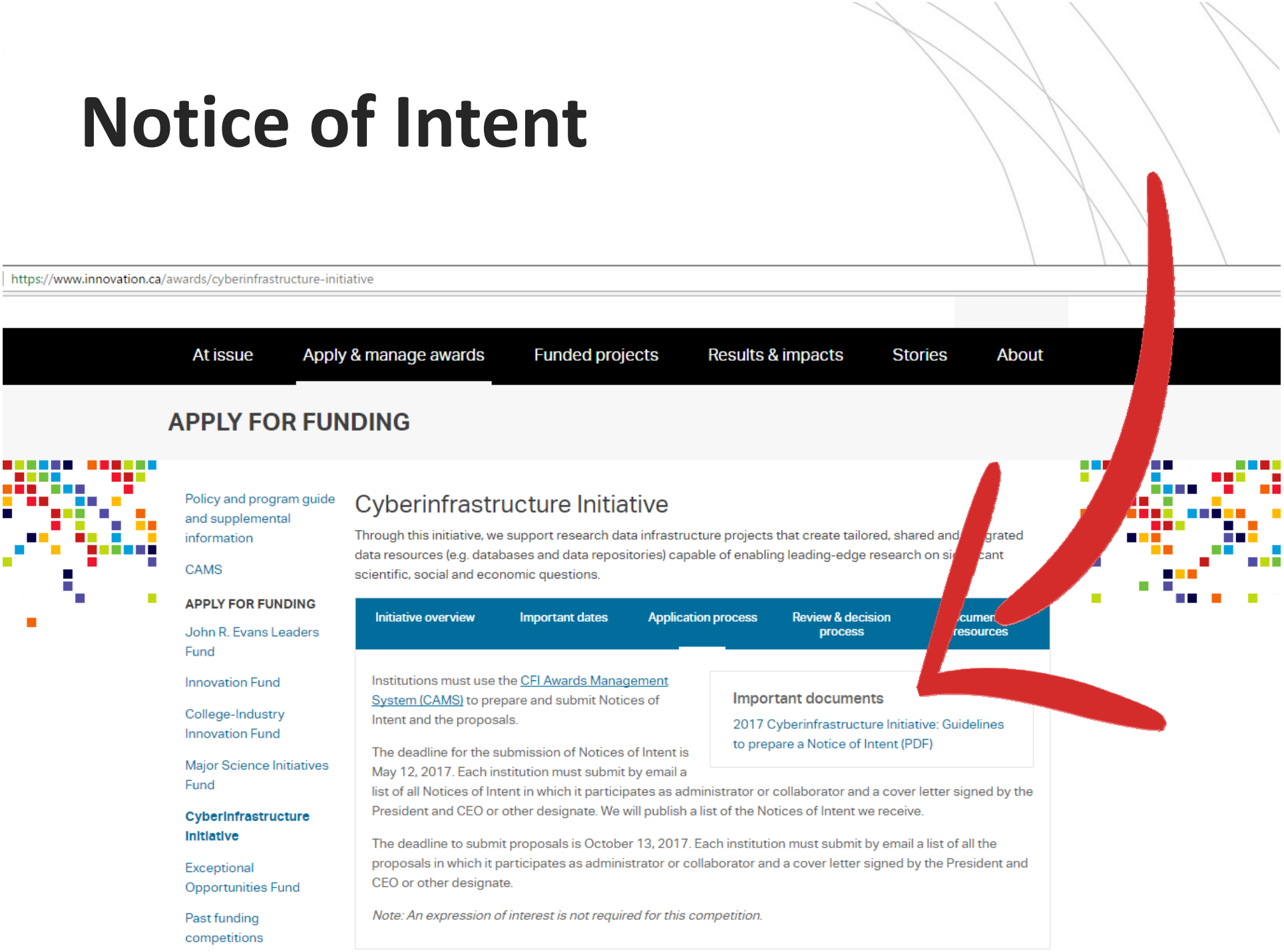
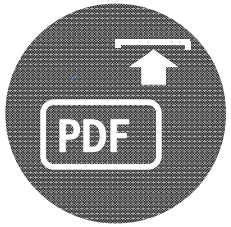
Notice of Intent



Notice of Intent

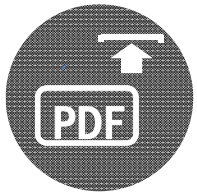
- Project information
- Collaborating institutions
- Scientific experts
- Technical experts
- **Project description**
- Suggested reviewers



Proposal

Project module

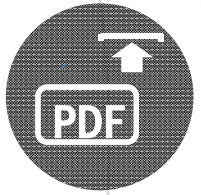
- Project information
- Project summary
- Scientific experts
- Technical experts
- *Assessment criteria*



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*

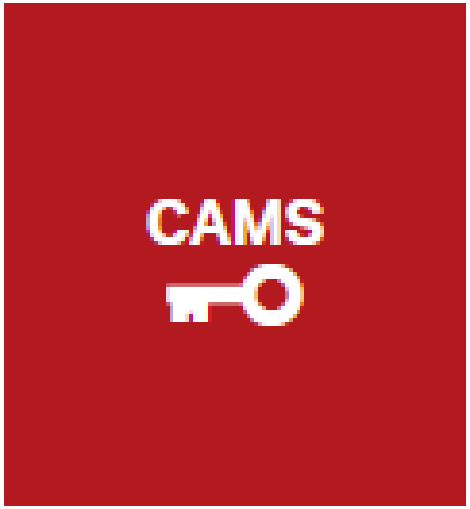
5. Sustainability and maintaining relevance

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



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Questions?

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