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CANADA FOUNDATION  
FOR INNOVATION

FONDATION CANADIENNE  
POUR L'INNOVATION

# Updates from the CFI

CCCESD

Annual meeting 2017

Ottawa, Ontario

⋮ **Research builds communities**  
**La recherche au service des collectivités**

# Topics

- CFI funds and programs
- Managing CFI funded infrastructure
- Canada's Fundamental Science Review

# Program Structure

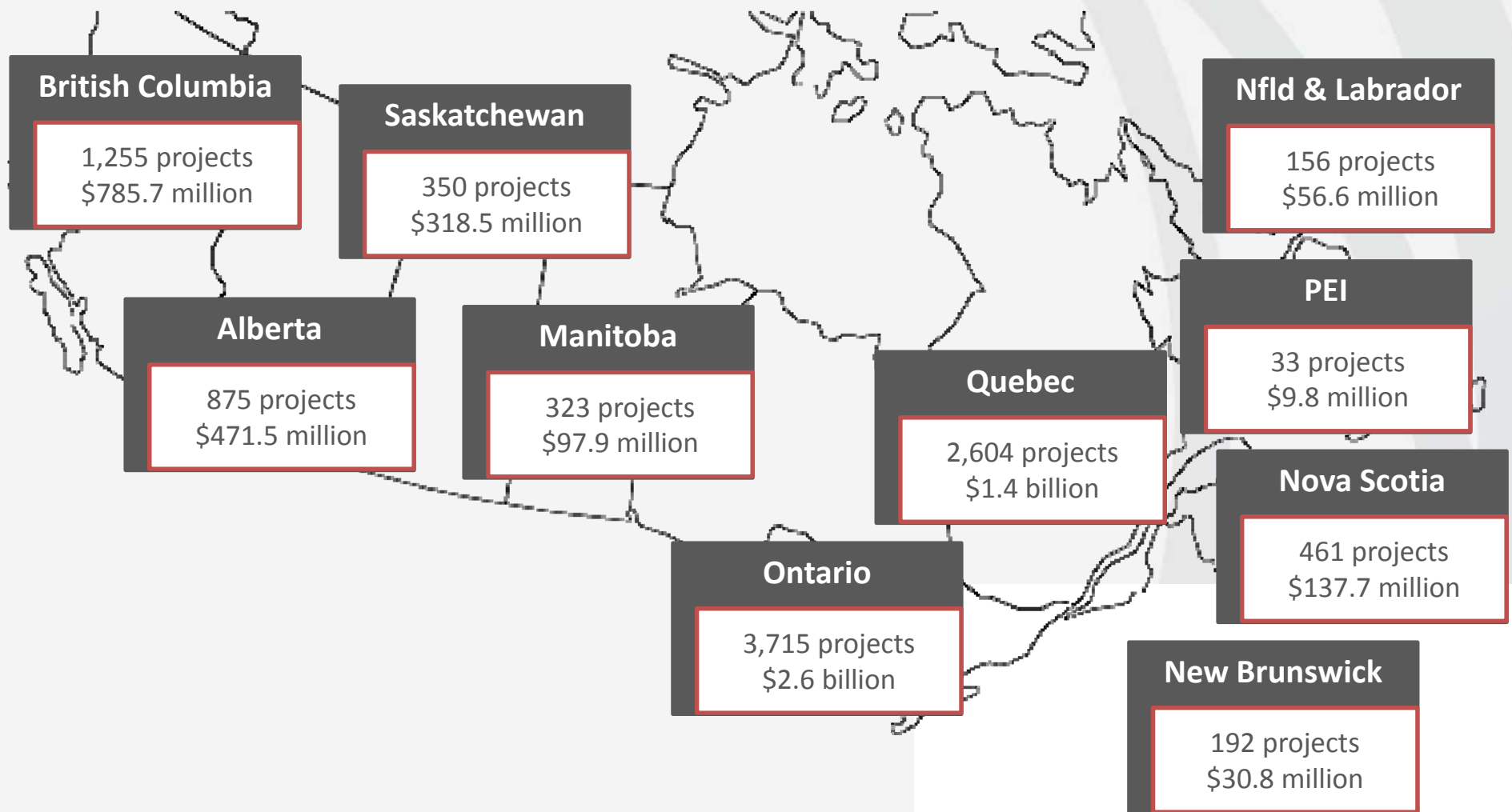
## Infrastructure

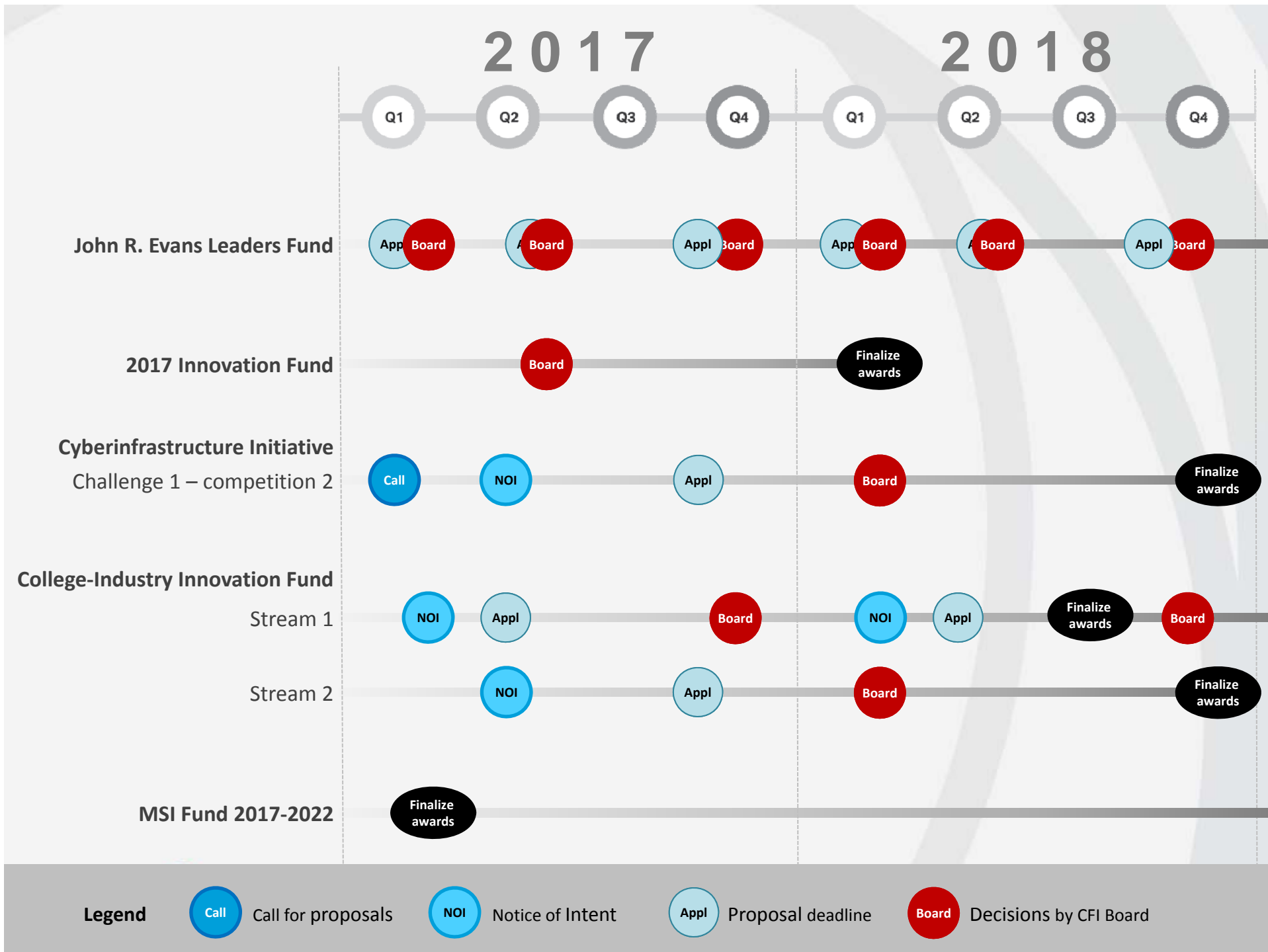
- John R. Evans Leaders Fund (JELF)
- Innovation Fund
- College-Industry Innovation Fund
- Cyberinfrastructure Initiative

## O&M support

- Infrastructure Operating Fund (IOF)
- Major Science Initiatives Fund (MSI)

# Investments to date



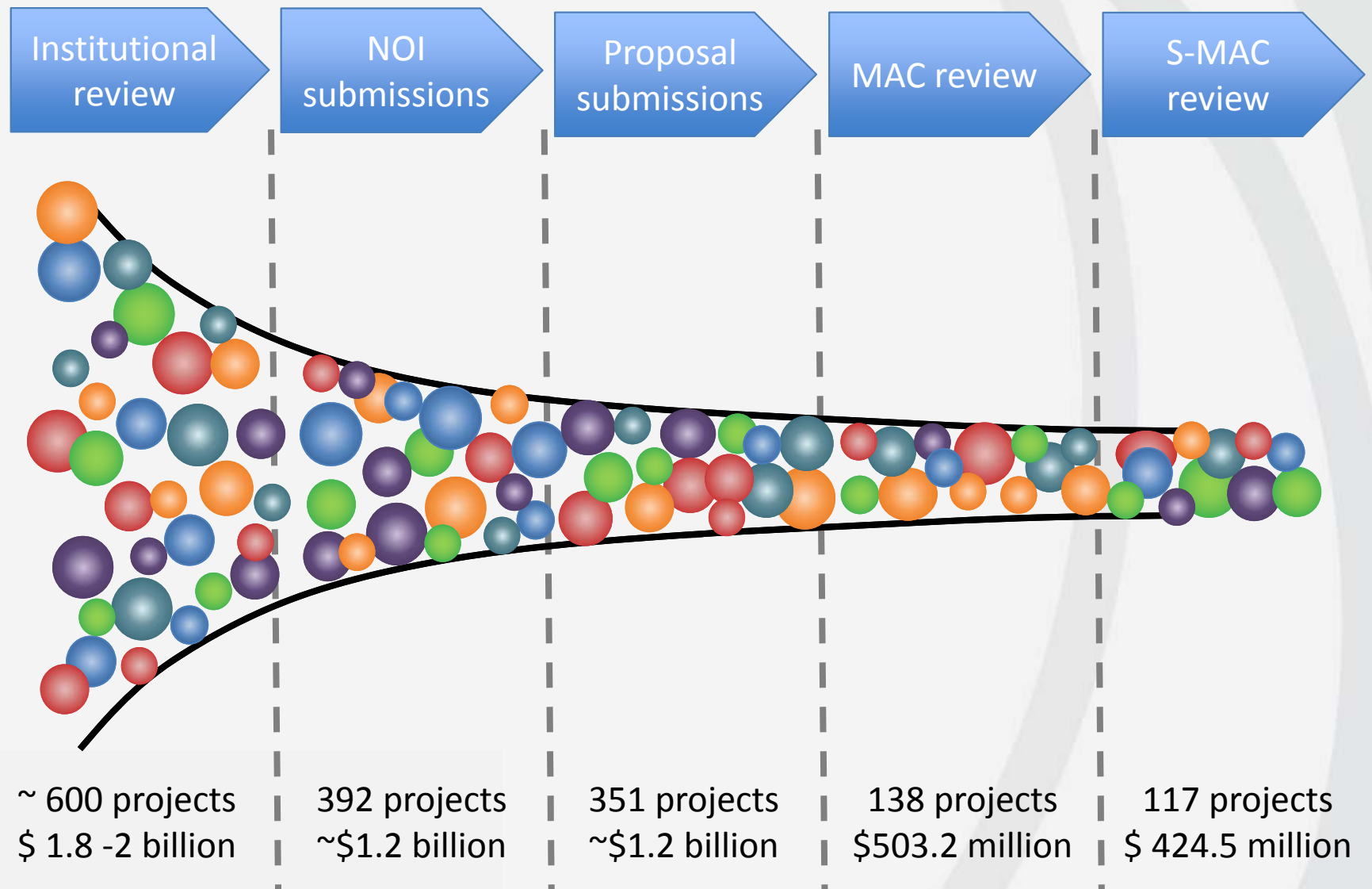


# John R. Evans Leaders Fund

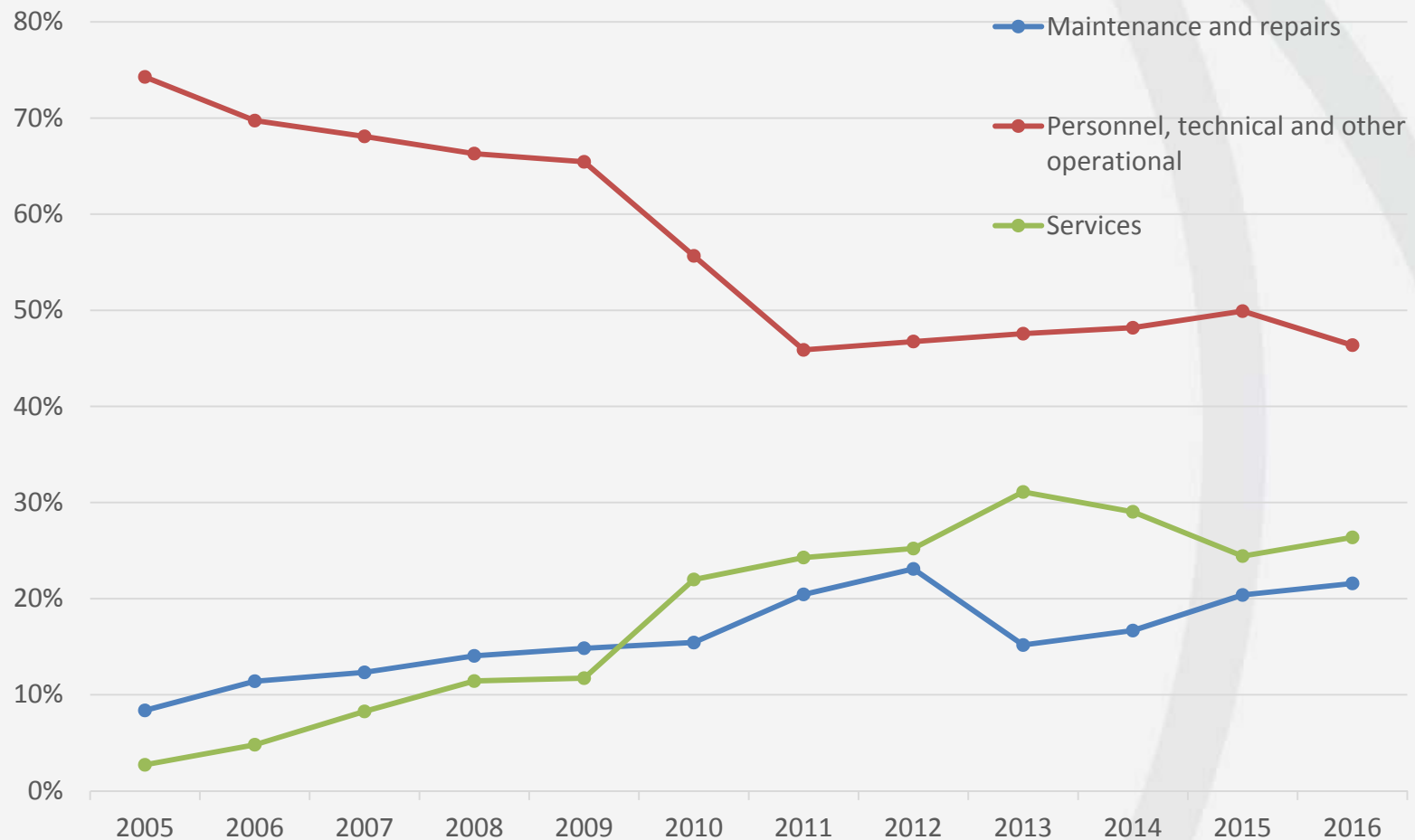
- Streamlined application
- *Fit with the SRP* - no longer an element in the merit review process
- Compute Canada condition
- Guidelines revised to allow the acquisition, the upgrading or the replacement of aging workhorses
- Attraction and retention
- 5 point assessment scale
- JELF allocation in CAMS

The allocation ends in  
March 2020.  
We encourage institutions  
to strategically draw from  
their envelope before the  
October 2019 competition.

# 2017 Innovation Fund review

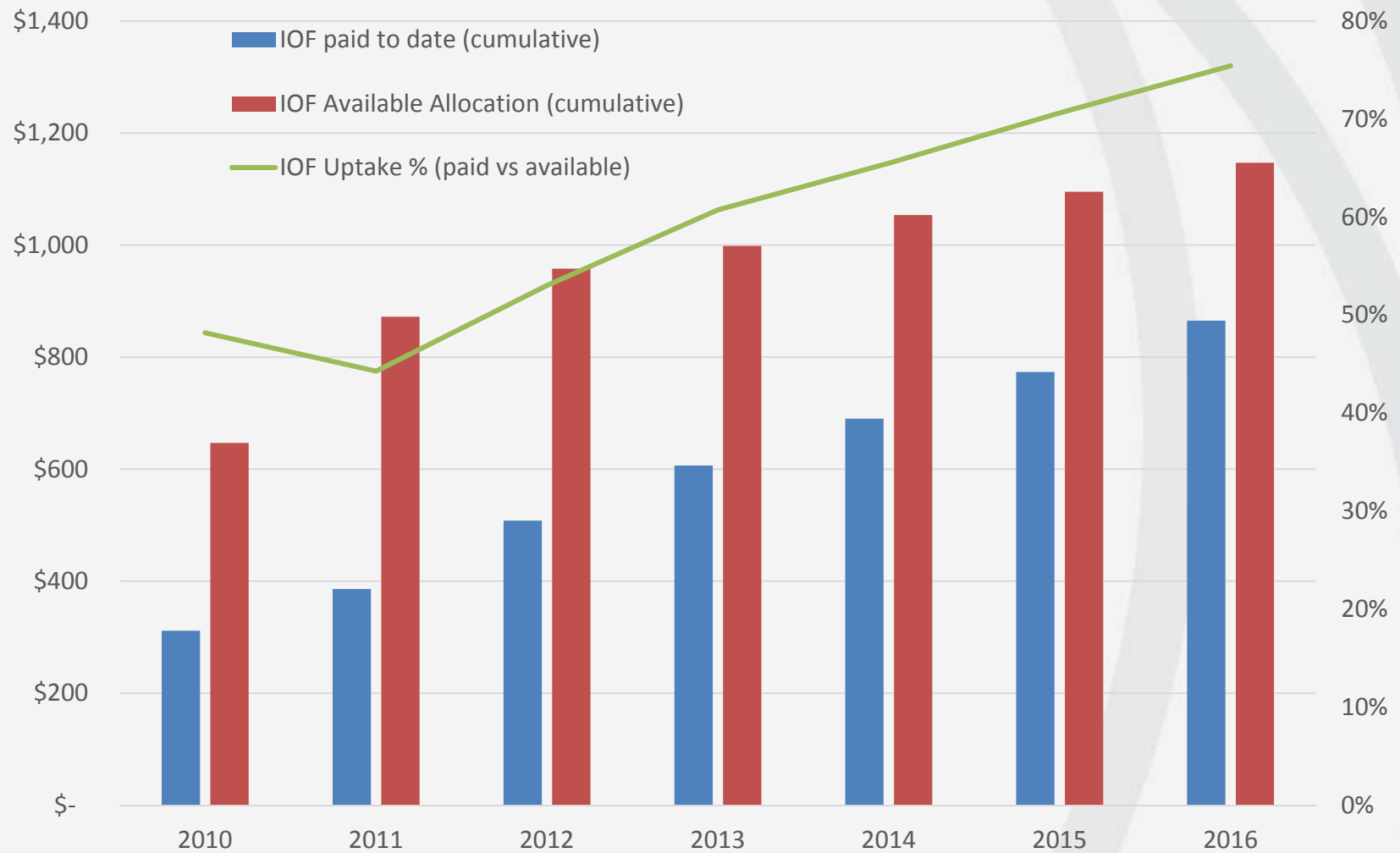


# IOF expenditures trend





# IOF uptake



# IOF - Facilities charges

CFI-funded construction or renovation



Essential to house and use CFI-funded infrastructure



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# **An improved approach to managing CFI funds and CFI- funded infrastructure**

# Project lifecycle



# Sustainability

The infrastructure is optimally used within and among institutions, sectors and disciplines and is sustainable through tangible and appropriate commitments over its useful life.

# Portfolio Considerations

The CFI encourages institutions to consider their portfolio of projects

## Good practices

- Group purchases
- Infrastructure inventory
- Space management
- Sustainability of multiple projects, core facilities

# Operating and sustaining CFI-funded infrastructure

Institutions are responsible for providing appropriate resources for the O&M of CFI-funded research infrastructure over its useful life

## Good practices

Monitor using a risk-based approach

Consider O&M of portfolio

# Operating and sustaining CFI-funded infrastructure

Infrastructure Operating Fund (IOF) helps the institution partially cover O&M needs

## Good practice

Design IOF practices to optimize its use



# Large facilities

## Strategic planning

- sets priorities, focuses energy and resources, and strengthens operations
- common goals and established agreement
- ability to adjust directions in response to changing environments
- articulates directions and actions needed to make progress and to measures success

### Good practices

- Internal and external SWOT analysis
- Risk assessment
- Engaged & committed stakeholders
- Regularly updated
- Plan is realistic, measurable and achievable

# Large facilities

## Managing risk

- Meet strategic objectives and goals
- Aids in quality control
- Ensures optimal operation
- Minimizes occurrence and impact of 'surprises'

### Good practices

- Identify, assess and prioritize risks
- Develop mitigation measures

# Large facilities

## Managing facility access

- Helps to ensure optimal use of the facility

### Good practices

- Policies & procedures
- Clearly defined evaluation criteria and user fees
- Ensure that those allocating access are unbiased
- Restricted physical access
- Scheduling process

# www.innovation.ca/awards/sharing-good-practices

[At issue](#)

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## MANAGE AWARDS

[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](#)

## Sharing good practices

CFI staff members regularly discuss the management of projects with recipient institutions. We also perform monitoring visits at institutions. These provide us with the opportunity to obtain an understanding and assess the adequacy of the policies, practices, processes and controls in place for the management of CFI awards. During these interactions, we observe many good practices, which we've decided to share with you here. Practices span the full lifecycle of a CFI award and include, for example, strategic planning, proposal development, project implementation, sustainability, risk management, tracking of impacts and outcomes, communications, and the management of large initiatives.

We don't necessarily recommend that all institutions adopt the practices listed below, since a practice that works well in one institution may not be appropriate for another operating in a different context. This is not a collection of requirements or guidelines, nor is it a means for the CFI to communicate its expectations. We simply hope that sharing these practices might help your institution manage CFI-funded projects.

Please send us your good practices so that we can then share them with others. Since practices will be updated periodically, we encourage you to visit this page regularly.

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[navigator.innovation.ca/en](http://navigator.innovation.ca/en)

# CARA - May 2016

## 2016-17 CFI advocacy

- Ongoing annual funding
- Big Science/Global research infrastructures/Large-scale research infrastructure framework
- Exploring possibilities of increasing operations and maintenance support

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CANADA'S FUNDAMENTAL  
SCIENCE REVIEW

**Final report**

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**INVESTING IN  
CANADA'S FUTURE**

Strengthening the Foundations of Canadian Research



CANADA'S FUNDAMENTAL  
SCIENCE REVIEW

2017

Provision of a **stable annual budget** for the CFI

**IOF Supplement** for JELF awards

**MSI funding**  
Ongoing, supplemented,  
↑ funding rate

Creation of a **Standing committee on Major Research Facilities**



**INVESTING IN  
CANADA'S FUTURE**

Strengthening the Foundations of Canadian Research



CANADA'S FUNDAMENTAL  
SCIENCE REVIEW

2017

Creation of a **National  
Advisory Council on  
Research & Innovation**

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Research & Innovation**

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Thank you!

# Additional slides

# Cyberinfrastructure Initiative

## Consortia

Tailored,  
shared and  
integrated  
data resources

Emerging gaps or challenges

**Adopt, adapt  
& develop**

**Enhance  
leading-edge  
research**

**Community of  
researchers**

# Major Science Initiatives (MSI) Fund

