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From National Strategy to National Action: Advancing PIDs across Québec and Canada

John Aspler, Manager, Canadian PID Program, CRKN

Antoine Drouin, Analyste en gestion stratégique, FRQ

Gabriel Joyal, Conseiller stratégique à la Direction scientifique, INRS

Charlie Lessard-Berger, Bibliothécaire spécialiste des identifiants uniques pérennes, Université Laval

crkn-rcdr.ca

The left side of the slide features three vertical bars of varying heights and shades of red and maroon. The tallest bar is on the far left, followed by a medium-height bar, and a shorter bar to its right. Each bar has a small circular dot at its base.

Session Schedule

- Introduction
- National PID Strategy Update
- National PID Program Update
- Institutional and Québec Perspective (INRS)
- Persistent Identifiers: Québec Leadership (FRQ)
- Q & A

PIDs and CRKN

- **What is a PID?** Long-lasting digital reference to research entity
 - A unique identifier helps locate and disambiguate entities
 - A supporting infrastructure to enable metadata interoperability
- **Vision:** Knowledge is accessible to all
 - Automated and efficient access
 - FAIR Principles
 - Open and connected metadata
- **Mission:** Together, we empower Canada by creating pathways to trusted knowledge
 - Disambiguation, discoverability, connectedness, interoperability

Introduction

Charlie Lessard-Berger, Université Laval

National PID Strategy Update

John Aspler

PID Governance in Canada



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**ORCID Canada
Governing
Committee**



**DataCite Canada
Governing
Committee**

Canadian Persistent Identifier Advisory Committee: CPIDAC

- [CPIDAC](#): PID Strategy Development and Implementation
 - Shared advisory committee, advising PID consortia
- Committee composed of **26 organizations**:
 - Funders (e.g., SSHRC, NSERC, CIHR, TGMS, FRQ, CFI)
 - Library Consortia and Associations (e.g., OCUL, CAAL, CARL)
 - Digital Research Infrastructure (e.g., Alliance, Scholars Portal)
 - Sector (e.g., CUCCIO, Research Administrators – CARA)
- Funding from Digital Research Alliance of Canada



**Digital Research
Alliance** of Canada

**Alliance de recherche
numérique** du Canada



National PID Strategy



Vision

That comprehensive PID adoption will underpin an **effective and equitable** digital research information landscape in Canada, enabling **open and persistent connections** between research **inputs, activities, outputs**.



6 Guiding Principles

- Open
- Inclusive & Equitable
- Collaborative
- National & International
- Transformative
- Trustworthy



5 Strategic Pillars

- Selection & Adoption of preferred PIDs
- Deployment & System Integration
- Promotion & Community Engagement
- International Engagement
- Sustainability & Governance

Collaboration

Led by the Canadian Persistent Identifier Advisory Committee (CPIDAC)



Supported by:

- CRKN
- Digital Research Alliance of Canada



Selection & Adoption



Canada prioritizes

- **ORCID IDs** for researchers (ORCID-CA)
- **DOIs** for research outputs:
 - DataCite DOIs for datasets & repositories (DCAN)
 - Crossref DOIs for publications & journals
- **ROR IDs** for organizations



Emerging PID Areas

- **DOIs** for Funding:
 - Crossref Grant IDs
 - DataCite Award DOIs
- **DOIs** for Data Management Plans (DMPs)
- **RAiD** for research projects & activities

Deployment & System Integration



Types of Systems

- Publishing platforms
- Grant management systems
- Repositories
- CRIS/RIMS platforms
- Discovery systems



Canadian Successes

- FRQ and CFI advanced PID ecosystems (Award DOIs & ORCID integrations)
- Coalition Publica, PKP, Érudit, Scholaris, Borealis & FRDR are strong Canadian examples of PID enabled infrastructure

Stakeholder Actions



Researchers

- Register for an ORCID iD
- Use PIDs when publishing & citing
- Advocate for PID use



Publishers & Infrastructure

- Enable PID inputs
- Enable interoperability between systems



Funders

- Integrate PIDs into grant systems
- Register DOIs for grants and awards



Institutions

- Use PIDs in research information systems
- Use PID providers as information sources

International Engagement



Objectives

- Understand PIDs as global standards
- Participate in international governance & development
- Adopt & shape international best practices



Canadian representation

- ORCID Board
- DataCite Board
- RAiD Global Alliance
- Research Data Alliance's PID Interest Groups
- [DSpace & PIDs Interest Group](#)

Sustainability & Governance



Business Model

- Consortia-based business model with member fees
- Government support to fund PID staff & offset PID member fees via the Alliance
- Collective investment in PIDs through work at member institutions & infrastructure providers



Community-led Governance

- CPIDAC provides national strategic oversight
- ORCID-CA & DataCite Canada each have elected governing committees
- Governance is intentionally community-led & collaborative

PID Program Update

John Aspler

Persistent Identifiers (PIDs) in Canada



ORCID Canada Consortium

- 64 members (all U15)
 - SSHRC, NSERC, CFI, FRQ
- 99 system integrations
- 182K active ORCID iDs (.ca)



DataCite Canada Consortium

- 99 members
- 132 repositories
- >900,000 DOIs



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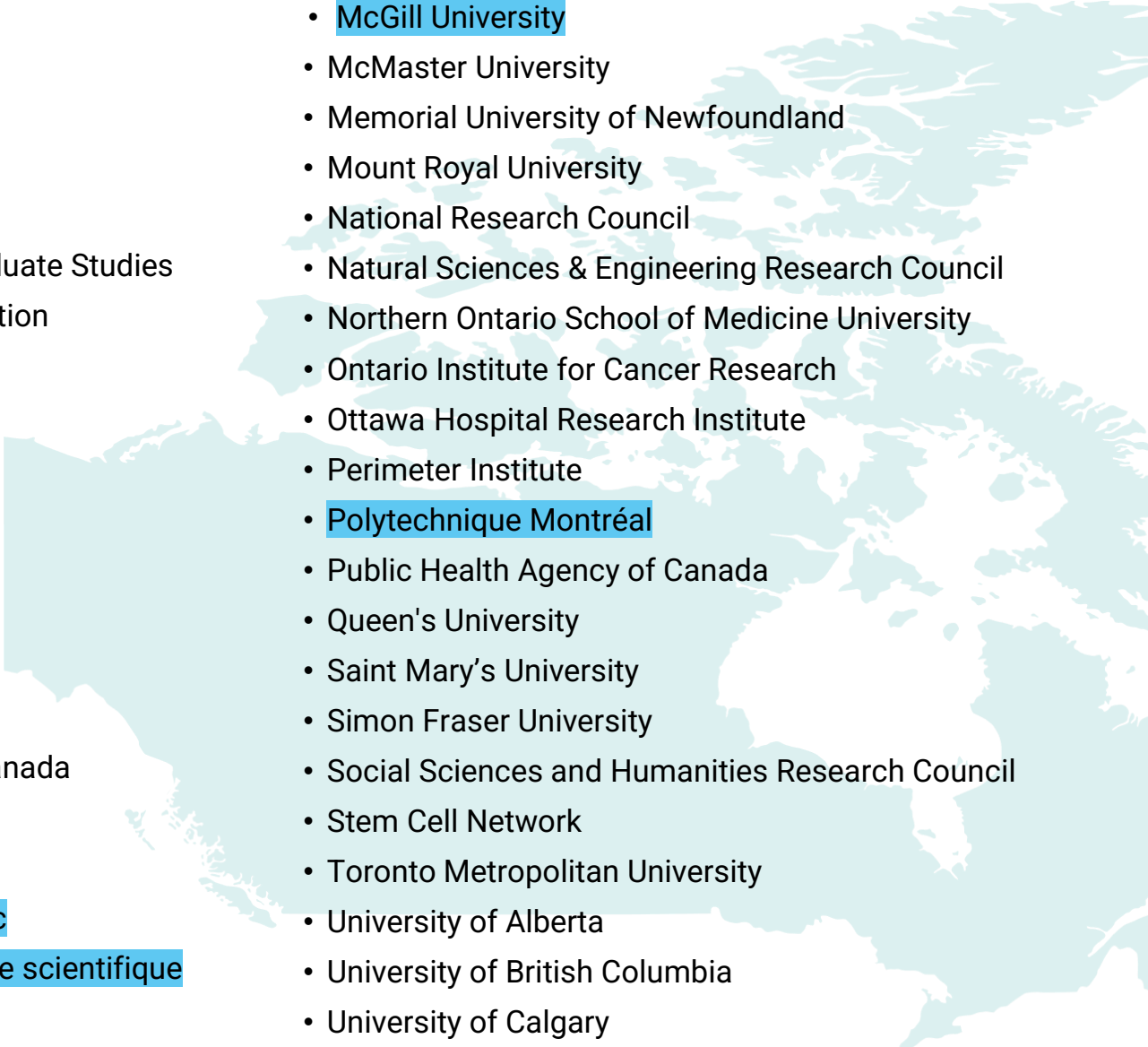
DataCite Canada – Achievements

- Doubled the membership since 2021: **from 50 to 99**
- Most DOIs ever registered in one year (since Oct 2025): **150K**
 - Driven largely by university libraries registering DOIs for repositories
 - **Dissertations** – McGill (56K), Université de Montréal (35K)
 - **Repository Materials** – McMaster (25K), Regina (7.5K), VIU (4K)
- CFI became the first Canadian funder to register DataCite DOIs for Awards
 - **FRQ** has registered **28K with Crossref** – *second most Grant DOIs globally*
 - **CFI** has registered **14.5K with DataCite** – *most Award DOIs with DataCite*
 - Seventh most when combining DataCite and Crossref metrics

ORCID-CA – Achievements

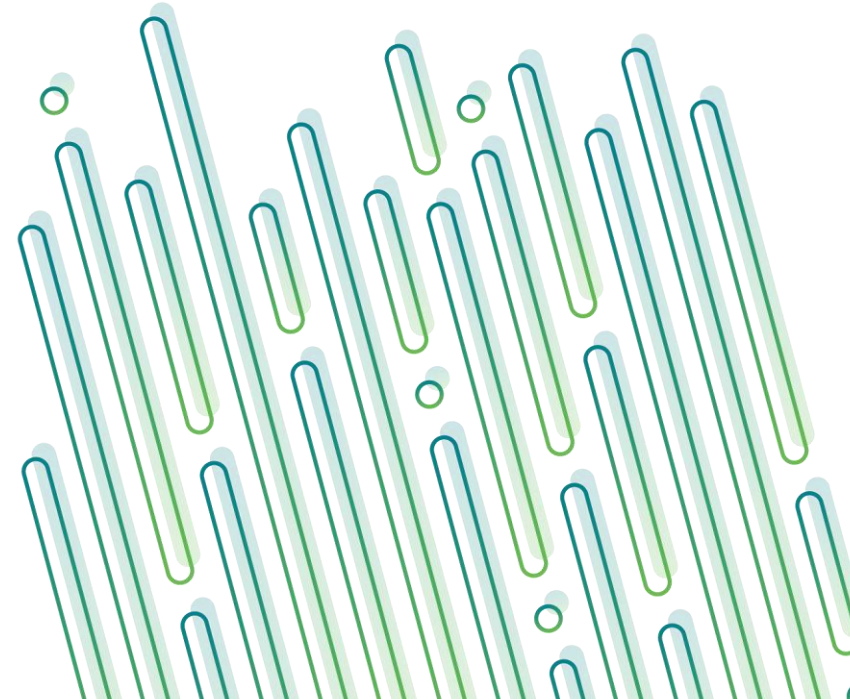
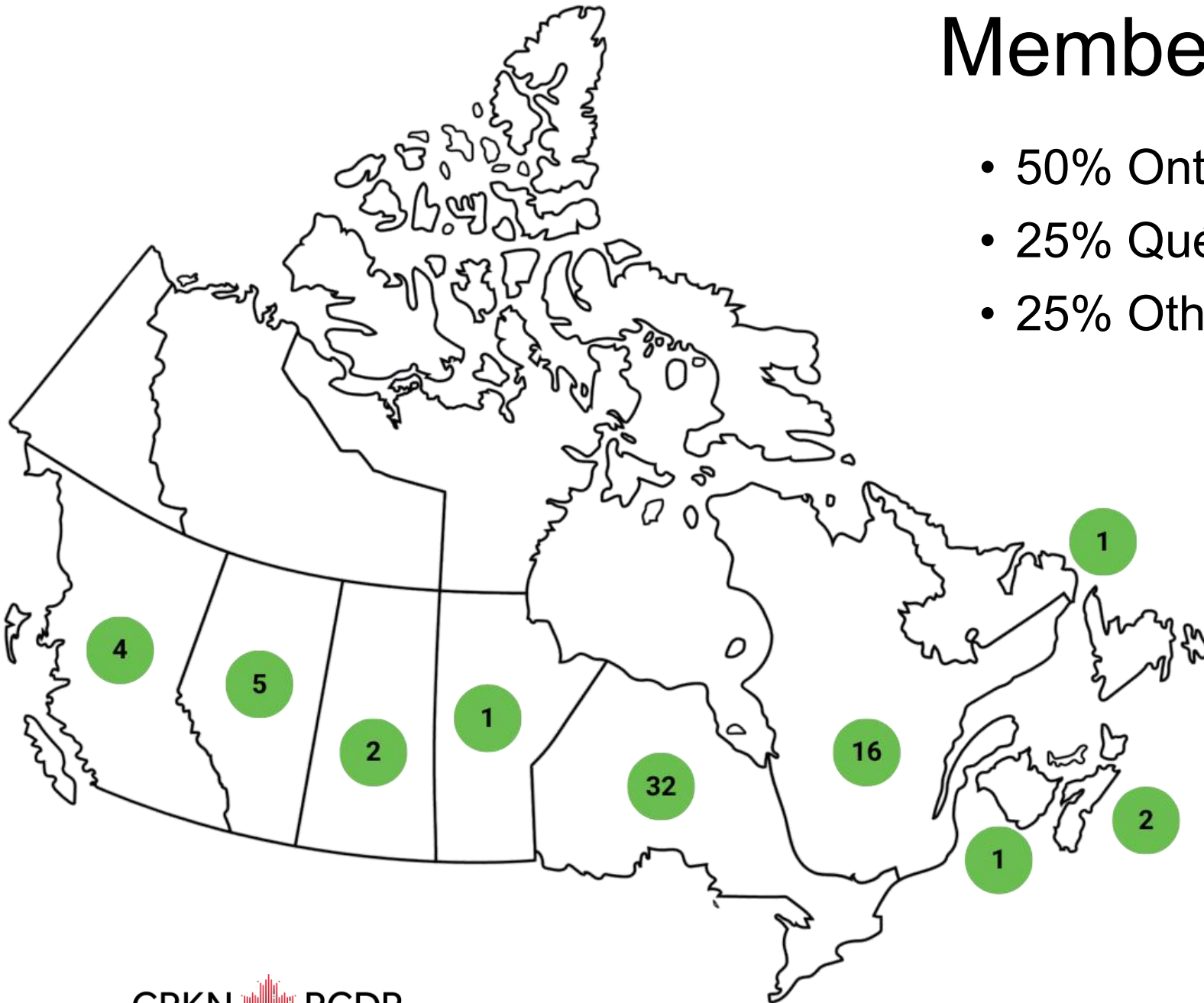
- Recruited over **60 members** – reduced fees for everyone by **15%**
 - Most growth in a single year (9 members)
 - Most affordable the fees have ever been
- More **funders** joining (Stem Cell Network) and implementing (CFI)
- Significant growth in **Quebec** – *more than half of the UQ network*

ORCID-CA: 64 Members - Quebec

- 
- ARUCC (*My Creds*)
 - Athabasca University
 - Bank of Canada
 - Bishop's University
 - Brock University
 - Canadian Association for Graduate Studies
 - Canada Foundation for Innovation
 - Canadian Cancer Society
 - Canadian Science Publishing
 - Carleton University
 - CARL
 - Concordia University
 - CRIRES
 - CRKN
 - Dalhousie University
 - Digital Research Alliance of Canada
 - Érudit
 - Fisheries & Oceans Canada
 - Fonds de recherche de Québec
 - Institut national de la recherche scientifique
 - MacEwan University
 - McGill University
 - McMaster University
 - Memorial University of Newfoundland
 - Mount Royal University
 - National Research Council
 - Natural Sciences & Engineering Research Council
 - Northern Ontario School of Medicine University
 - Ontario Institute for Cancer Research
 - Ottawa Hospital Research Institute
 - Perimeter Institute
 - Polytechnique Montréal
 - Public Health Agency of Canada
 - Queen's University
 - Saint Mary's University
 - Simon Fraser University
 - Social Sciences and Humanities Research Council
 - Stem Cell Network
 - Toronto Metropolitan University
 - University of Alberta
 - University of British Columbia
 - University of Calgary
 - University of Guelph
 - Université Laval
 - Université de Montréal
 - Université de Sherbrooke
 - University of Manitoba
 - University of New Brunswick
 - University of Ottawa
 - University of Regina
 - University of Saskatchewan
 - University of Toronto
 - University of Victoria
 - University of Waterloo
 - University of Windsor
 - Université du Québec à Chicoutimi
 - Université du Québec à Montréal
 - Université du Québec en Outaouais
 - Université TÉLUQ
 - Université du Québec à Trois-Rivières
 - Vancouver Island University
 - Western University
 - Wilfrid Laurier University
 - York University

Members per Province

- 50% Ontario
- 25% Québec
- 25% Other provinces and Territories



Institutional and Quebec Perspective

Gabriel Joyal, INRS

PIDs and Quebec Leadership

Antoine Drouin, FRQ

Conclusion and Next Steps

John Aspler

Canadian Leadership in PIDs



Strong National Consortia



Leading with RAiDs



Funding Agency Leadership



Organizational Adoption



International Involvement



Government Support

Questions/ Discussion