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The PID Program at CRKN: 2024 Update

Presenters



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Session Schedule

- PID Program Update
- National PID Strategy Update and Next Steps

PID Program Update

Persistent Identifiers (PIDs) in Canada



ORCID Canada Consortium

- 51 members
 - NSERC, SSHRC, FRQ
- 72 integrations
- 145K of 225K active iDs (.ca)



DataCite Canada Consortium

- 73 members
- 89 repositories
- >700,000 DOIs



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Digital Research
Alliance of Canada

Alliance de recherche
numérique du Canada

PID Governance



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**ORCID Canada
Governing
Committee**



**DataCite Canada
Governing
Committee**

CPIDAC

- *Canadian Persistent Identifier Advisory Committee*
- Governing Committees made up of/elected by the membership
- Shared advisory committee, advising both bilingual PID consortia
- PID Strategy Development and Implementation
- Committee composed of
 - Funders
 - Library Consortia
 - Digital Research Infrastructure
 - Others (e.g., CIOs, Research Administrators)
- Funding from Digital Research Alliance of Canada



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CPIDAC as a site of National Collaboration

- Supporting a Healthy Ecosystem with PIDs
 - Convening infrastructure organizations: The Alliance, Borealis, Scholaris, Érudit, PKP, Canadiana, etc
- Funding Agencies and PIDs
 - Supporting DOI registration for Grants
 - Engagement around ORCID in funder systems (FRQ, Tri-Agency)

Governing Committee Nominations

- ORCID-CA Governing Committee
 - 3 members: Representatives from Québec, Ontario, Western Canada
 - Deadline: October 28, 2024, 5PM ET
- DataCite Canada Governing Committee
 - 3 members: Representatives from Québec and Western Canada
 - Deadline: October 28, 2024, 5PM ET

Engage with us!

- orcid@crkn.ca
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National PID Strategy Update and Next Steps

National PID Strategy

Why a national strategy?

- Community-driven approach
- Collaborative work across sectors
- National funding to support centralized initiatives
- National policies (Open Science)

Phase III

- Annual In-Person CPIDAC Meeting
- A Checklist for Success
- Vision, Mission, Principles
- Gap Analysis
- PID Selection Matrix
- Final Report/Recommendations

Phases I & II

- CRKN, Alliance, CPIDAC
- Community Consultations
- [MoreBrains Report](#) (Phase I)
- Comms Toolkit (Phase II)
- Priority PID Entities (Phase II)

Next Steps

- Draft Strategic Workplan
- PID-by-PID Action Plan
- CRIS/RIMS Working Group
- CPIDAC Sub-Committee
- Technical Capacity
- Engagement Strategy

Phase III Deliverables: Vision

Vision, Mission, and Principles

- Inform recommendations for candidate PIDs
- Drive CPIDAC's assessment of next steps
- Help Canadian organizations make PID decisions

Vision: “Comprehensive persistent identifier (PID) adoption will underpin an effective and equitable digital research information landscape in Canada, enabling open and persistent connections between research inputs, activities, outputs, and outcomes.”

Phase III Deliverables: Principles

1. **Open systems** will be prioritized wherever feasible
2. The strategy, the activities it shapes, and their outcomes must be **inclusive and equitable**
3. Community **engagement and collaboration** will be a central component of the strategy
4. The national strategy will be **international** in scope
5. The goal of the strategy is effective, **tangible** change
6. The strategy will support high-quality, **trustworthy**, verifiable data

Phase III Deliverables: PID Selection Matrix

PID Selection Matrix

- **Enables** PID comparisons based on their characteristics and features.
- **Transparent** decision-making and justifications (e.g., why ORCID).
- **Dynamic**: Add new information or additional PIDs for comparison and consideration.

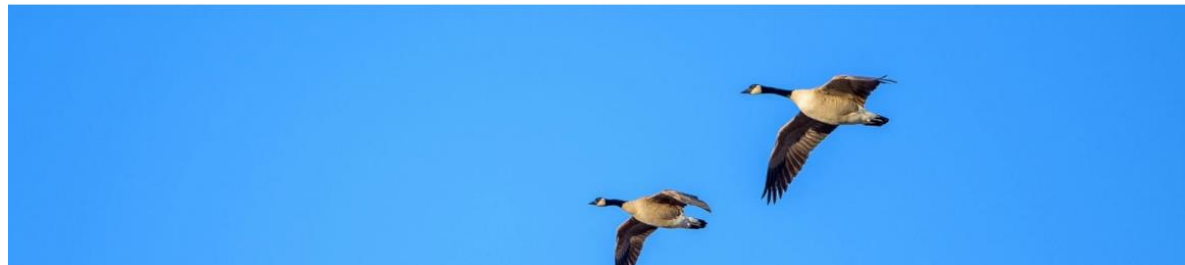
Choosing the right PID														
Identifier name	Coverage			Openness						Interoperability				Public availal metad schem
	Entity/entities identified	Geographical coverage	Disciplinary coverage	Proprietary	Open metadata (specify license)	Open source code (specify license)	Open documentation	Free/ public API access available	PID functionality freely and openly accessible	APIs that use open web standards	Resolvable	Formalized as a technical standard	Support for content negotiation	
ORCID	people ▾	global ▾	multidi... ▾	no ▾	CC0 ▾	MIT ▾	yes ▾	yes ▾	yes ▾	yes ▾	yes ▾	De facto... ▾	yes ▾	https://orcid.org/documentation/intguide/orcid/

Phase III Deliverables: Final Report

PID Prioritization Report: Recommendations on concrete interventions to support PID implementation in Canada – Which PIDs for which entities?

Investing in an efficient and
transparent research ecosystem
in Canada

Evidence, analysis, and recommendations
for a Canadian persistent identifier
roadmap



Final Report: Priority PIDs

Priority Entities	Candidate PIDs	Maturity	Next Steps: PIDs Recommended in Report
People	ORCID ISNI	Established Established	Recommend the use of ORCID iDs for current scholars – we do this already. ISNI might be a helpful use case for historical or cultural figures – to study. Scopus does not respond to the PID Matrix Selection Criteria/Principles.
Outputs	Crossref DOIs DataCite DOIs ARKs	Established Established Established*	Metadata schema should guide the choice of DataCite vs Crossref . *ARKs depend on resolver context. Evaluate ARKs with DOIs to see when needed.
Organizations	ROR ISNI	Emerging Established	ROR is an emerging PID, but likely the candidate of choice. ISNI requires study. Ringgold does not respond to the PID Matrix Selection Criteria/Principles.
DMPs	DataCite DOIs	Established	Recommend the use of DataCite DOIs .
Grants	Crossref DOIs DataCite DOIs	Established Emerging	Careful comparison of use cases; Crossref used by some CA funders.
Projects	RAiD	In Development	RAiD is the only candidate, but still in early stages of development. To watch.
Software	SWIHDs	Emerging	SWIHDs show promise, but low maturity and adoption. To watch and study.
Facilities, Instruments, Equipment, Resources	ROR DataCite DOIs RRIDs	N/A	Too much complexity in this space – some options exist (RRIDs for biological resources, ROR for some facilities, DOIs for some instruments), so it is recommended to watch and study.

Final Report: Gap Analysis

- Consider Tri-Agency **Research Data Management** requirements
 - Create a RIMS/CRIS users' group for Canada
- **Funders:** Register Grant IDs, connect ORCID, leverage ROR
- Central funding for **PID integrations** for systems used across Canada
 - Hire staff to work on integrations and/or provide technical PID services

Final Report: Recommendations

- **Leadership and clarity:** Establish strong and visible leadership
- **Technical capacity:** Launch technical support service for PID adoption
- **Governance**
 - Develop a clear action plan to support the adoption of each prioritized PID
 - Consultation of traditionally underserved communities
- **Community engagement and outreach**

CPIDAC Response: Next Steps

- **Draft Strategic Workplan** and Key Summary of Takeaways
- **Governance**
 - Develop a plan of action for each candidate PID
 - Develop a plan to watch or study other emerging PIDs
- **Leadership and clarity:** Create a CPIDAC sub-committee
 - Continued shared leadership with enhanced clarity around roles

CPIDAC Response: Next Steps

- **Technical Capacity**

- Hire new staff to support the PID Program technical support
- Launch a CRIS/RIMS working group
- Launch a RaID working group

- **Community Engagement and Outreach**

- Coordinated push: CRKN website update, published materials
- Engage with the underserved communities highlighted in the report
- Engagement with funders at all levels – harness current energy

Questions/ Discussion