



English:

<https://bit.ly/PIDMAGIC>

Français:

<https://bit.ly/PIDMAGIE>



The Magic of PIDs for Research(ers)



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Administrative magic

Advance researcher-facing systems that leverage PIDs

- e-CVS
- grant reporting
- funding applications
- and more

Administrative magic

Challenges

- more PIDs to represent a broader range of research outputs
- build **researcher-facing tools!**
 - Researcher-centric
 - well-designed

Research magic

Claims

- Researcher-generated data needs PIDs
- Research needs cultural data to have PIDs
- Cultural data content needs PIDs

HSS Infrastructures

- Canadian Writing Research Collaboratory
- Linked Infrastructure for Networked Cultural Scholarship

Semantic technologies

Extensible Markup Language (XML)

**Web Ontology Language
(OWL)**

**Resource Description Framework (RDF)
and RDF Schema (RDF-S)**

Web Annotation Data Model

CIDOC

**Conceptual Reference Model (CIDOC-
CRM)**



Source: [Ontotext](#)

The ultimate goal of semantic technology is to help machines understand data.

— “Semantic technology”, *Wikipedia*

Canadian Writing Research Collaboratory

- CFI-funded Virtual Research Environment
- 35 projects; 400,000 digital objects in XML, PDF, RDF, image, audio, and video formats
- Built with Islandora extended to support semantic markup and metadata

The screenshot shows the CWRC Collaboratory website. At the top, there is a navigation bar with links for 'Collaboratory', 'Projects', 'News', 'About', and 'Terms of Use'. A search bar is located below the navigation bar, with a dropdown menu set to 'Collaboratory' and a search icon. To the right of the search bar is a link for 'Advanced search'. The main content area features a large banner with a blue background and a grid of images. The banner includes the CWRC logo, the text 'Welcome to the Collaboratory!', and a message: 'Greetings to inquirers into Canadian culture and scholars creating digital scholarship.' Below the banner, there are three columns of content, each with a red icon and a title: 'What We Are Writing' (with a pencil icon), 'What We Are Collecting' (with a book icon), and 'What We Are Sharing' (with a share icon). Each column lists several items with their titles and dates.

CWRC Collaboratory Projects News About Terms of Use

search for... Collaboratory Q [Advanced search](#)

Welcome to the Collaboratory!

Greetings to inquirers into Canadian culture and scholars creating digital scholarship.

[Learn more about CWRC](#)

What We Are Writing

Dorothy L. Sayers
7/27/22

Publication of the first short story collection by a woman Maori author in New Zealand
7/27/22

Vernon Lee
7/27/22

What We Are Collecting

Patricia Grace's literary legacy: giving Māori characters their 'natural' voice
7/27/22

Juggling Contradictions: Feminism, the Individual and What's Left
7/27/22

La Roquette, Women's Prison
7/27/22

What We Are Sharing

kā-āciwīkīkīk / The Move
7/26/22

Sun Wishes
7/25/22

The Return of the Mummy (The Lunch Club #5)
7/14/22

Research-generated data needs PIDs

Wide range of data formats and types

- Historical



Histoire de la
Presse
Francophone dans
l'Ouest canadien



The People and the Text

Research-generated data needs PIDs

Wide range of data formats and types

- Historical
- Contemporary



**Contextualizing
COVID-19: An Archive
for the Future**

**Canadian Women
Playwrights Online**

Research-generated data needs PIDs

Wide range of data formats and types

- Historical
- Contemporary
- Born-digital



Canada's Early Women
Writers



Her Story: Women
Trailblazers of Guelph
and Wellington County

Interface-accessible HSS data with PIDs is truly FAIR

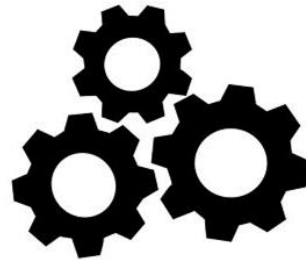
F
Findable



A
Accessible



I
Interoperable



R
Reusable



FAIR Principles (2016): <https://www.go-fair.org/fair-principles/>

Image credit: https://commons.wikimedia.org/wiki/File:FAIR_data_principles.jpg

Researcher-generated data needs PIDs

Challenges

- link researcher-gathered data into the research ecosystem
- devise a DOI strategy to enable reversion to repository version

Research needs cultural data to have PIDs

Early Canadian Cultural Journals Index (rescued, replatformed dataset)

Nearly 140K editorial level descriptive records of early journal content

Large overlap with Canadiana/Héritage collections and other digitized historical content



 Early Canadian Cultural Journals Index

[Home](#) [Journal Index](#) [Article Index](#)

Illustrated News

This collection makes available the rich contents of Thomas B. Vincent's 1993 CD-ROM Index to Pre-1900 Canadian Cultural and Literary Magazines.

This ground-breaking index includes 137,943 records of prose, poetry, drama, fiction, and miscellaneous items (letters to the editor, sheet music, illustrations, advertisements, and obituaries) from 203 nineteenth-century periodicals published in Canada.

It includes *The Nova Scotia Magazine*, Canada's first literary magazine, longer-running titles such as the *Canadian Monthly and National Review*, and more ephemeral ones such as *Mayflower* or *Ladies' Acadian Newspaper*. Not all runs are complete; only what was found extant was included. Some major periodicals such as *Saturday Night* are not included. The Journals collection, which was not released with the original index on CD-ROM, records what was seen, where, what was entered in the collection, and what is missing. In addition to essential publication information, there are subject descriptors on all items.

Related full-text content

Much of the content described in these records has been digitized and is freely available online through the [Canadiana Collections](#).

Content warning

As the Canadiana website notes: "The Canadiana Collections contain content created over five centuries that tell an incomplete, oftentimes distorted and, sometimes harmful, story of Canada. The content, metadata, and resource descriptions in the Canadiana Collections contain language that reflects the biases, norms, and perspectives of the time in which they were created. This includes harmful and offensive wording, cultural references, and stereotypes." This is true also of the metadata records, provided in this collection, which record the language of the time.

[Documentation](#)

Related Articles

["Opportunities and Pitfalls" - 1989 Article](#)

Related Resources

[Early Canadian Periodicals at Canadiana](#)

Creator

Thomas B. Vincent

Research needs cultural data to have PIDs

Challenges

- scale
- cost
- maintenance
- infrastructure implications

Linked Infrastructure for Networked Cultural Scholarship

- CFI-funded Cyberinfrastructure
- Suite of open-source tools (many reused) for LOD data conversion, storage, and access
- Stores only linked data triples (RDF): all cultural assets connected by PIDs



Create and explore cultural data

LINCS provides the tools and infrastructure to make humanities data more discoverable, searchable, and shareable. Discover how you can explore, create, and publish cultural data.

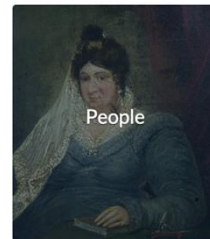
What is the LINCS Project?

How do I get started with Linked Open Data?

What kind of data does LINCS have?

Why should I publish my data with LINCS?

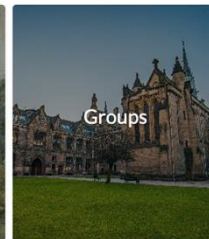
Explore cultural data with LINCS



People



Places



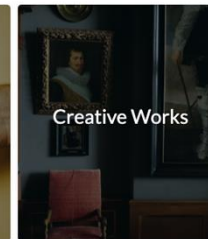
Groups



Sources



Events



Creative Works

5,780,000 +
Triples in Progress

272,000 +
People, Places, Groups, Events, and
Creative Works

8
Datasets in Progress

100 +
Researchers, Students, Staff and
Partners

The **Linked Infrastructure for Networked Cultural Scholarship (LINCS)** enables **Canadian researchers** to create **interlinked** and **contextualized online data** about culture to benefit scholars and the public.

<https://lincsproject.ca>

Cultural data content needs PIDs

- Named entities
 - historical figures, places, First Nations, organizations, historical places
 - unnamed entities
- Vocabularies for concepts

Cultural data content needs PIDs

Challenges

- Scope and scale
- Logistics and infrastructure to enable institution(s) to liaise with researchers
- Empower researchers as collaborators

PIDs for a cross-sectoral ecosystem

CRKN's dual roles providing access to:

- o Digital scholarly publications
- o Online cultural heritage resources

A national PID strategy can leverage both roles, strengthen connections to researchers, and collaborate with them in producing a better and more robust knowledge ecosystem

“While the data infrastructure in the humanities is undeveloped—perhaps most decisively due to a lack of domain repositories—**the biggest hurdle to data sharing** in the humanities may be **a systematic lack of understanding about how to reuse structured data as a primary source.**”

Dylan Ruediger and Ruby MacDougall

“Are the Humanities Ready for Data Sharing?” *Ithaka S+R*. 6 March 2023.

<https://doi.org/10.18665/sr.318526>



Thank you! Merci!

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With gratitude / Avec gratitude

CRKN Members Summit Organizers

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and our many collaborators

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INNOVATION
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for Innovation

Fondation canadienne
pour l'innovation

canarie



Mellon
Foundation