Forward Linking

Forward Linking Partnership

Lisa Goddard

CRKN Conference

May 2024

LINCS

Linked Infrastructure for Networked Cultural Scholarship

LINCS (2019-2024)

CFI
$1.4 million

Built extensive toolset for converting Humanities research data into linked data.

Authored linked data vocabularies.

Data model: CIDOC-CRM

Forward Linking (2023-2026)

SSHRC PDG
$200 000

Create more linked entities and vocabularies drawing on LINCS tools and models.

Perform an ecosystem and policy analysis; make recommendations for infrastructure & sustainability.

Forward Linking

Building Relationships within the Cultural Data Ecosystem

Forward Linking will **strengthen the Canadian cultural data ecosystem**, inform a sustainability strategy for a national investment in scholarly infrastructure, and elucidate how **linked data** can advance **representational and epistemological justice** through **relationality, context, and provenance**.

Click here to read the grant application

Forward Linking

Building Relationships within the Cultural Data Ecosystem

A successful semantic web for cultural data requires

1. the ongoing development of web identifiers for people, artifacts, and other entities; so as to
2. link them through models informed by scholarly nuance; using
3. inclusive tools for semantic web data creation and use.

Forward Linking Partnership

Forward Linking's **14 partners** and **28 researchers** from across sectors will:

Collaborate on innovative, high-impact projects to pilot ways of building diversity and decolonization into workflows;

Evaluate the infrastructure landscape to identify gaps, challenges, and models, and investigate how to sustain scholarly infrastructure in the Canadian context; and

Ecosystem Analysis

Considering the state of scholarly infrastructure in Canada.

The primary output of the FL partnership will be an extensive analysis with multiple outputs in both official languages of the place of scholarly infrastructure within the Canadian linked cultural data ecosystem, including recommended policies and protocols for partners, researchers, professionals, and stakeholders.

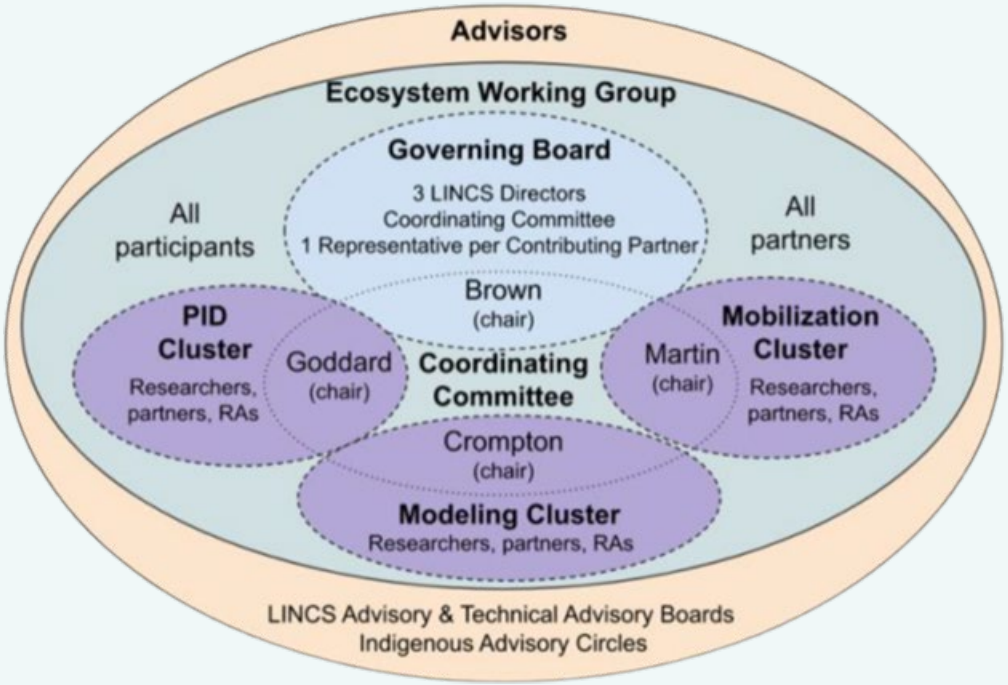
Forward Linking Clusters and Pilot Projects

Closing the gap between scholarly activity and online cultural content
Advancing the ecosystem and informing sustainability

Persistent Identifiers (PIDs) Cluster
Lead: Lisa Goddard
University of Victoria

Linked Data Modelling Cluster
Lead: Constance Crompton
University of Ottawa

Mobilizing Linked Data Cluster
Lead: Kim Martin
University of Guelph



Forward Linking Partnership Governance Structure

Persistent Identifiers Cluster

Create and promote PIDs to for diverse content
Establish respectful workflows

Pilot Projects

PIDs for objects
Natalie MacDonald (CRKN), Dean Seeman (UVic), Lisa Goddard (UVic)

PIDs for people
John Aspler (CRKN), Kim Martin (Guelph)

Historical PIDs and Equity, Diversity, Inclusion, and Decolonization
Jim Clifford (Saskatchewan),Sharon Farnel, LAC/BAC

PIDs and Respectful Terminology
Stacy Allison-Cassin (Dal & NIKLA), Camille Callison, UFV & NIKLA)

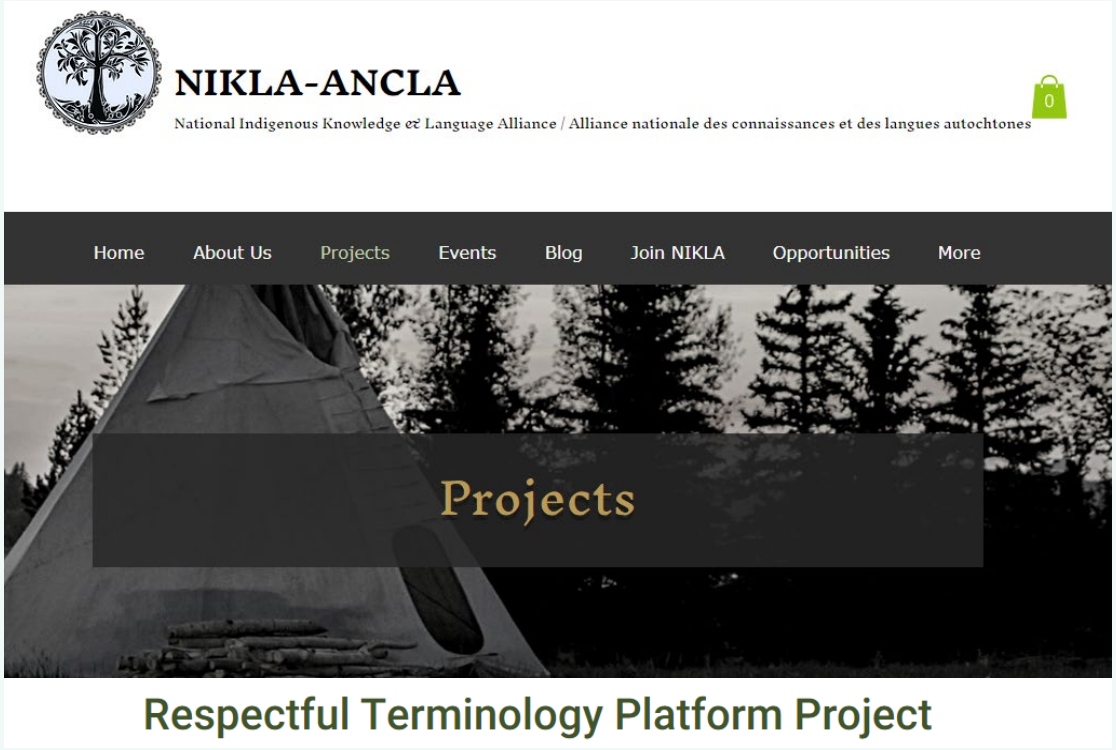
Historical PIDs

Nomenclature is the most extensively used museum classification and controlled vocabulary for historical and ethnological collections in North America.

Jim Clifford (USask)
Sharon Farnel (UAlberta)

Respectful Terminology

Indigenous-led project to create a permanent and sustainable online platform for vocabulary sets that can be applied to Indigenous Peoples, places, heritage, tradition, knowledge, and cultures.



Stacy Allison-Cassin (Dal)
Camille Callison (UFV)

PIDs for Objects

Where are the gaps? e.g. local collections, ETDs

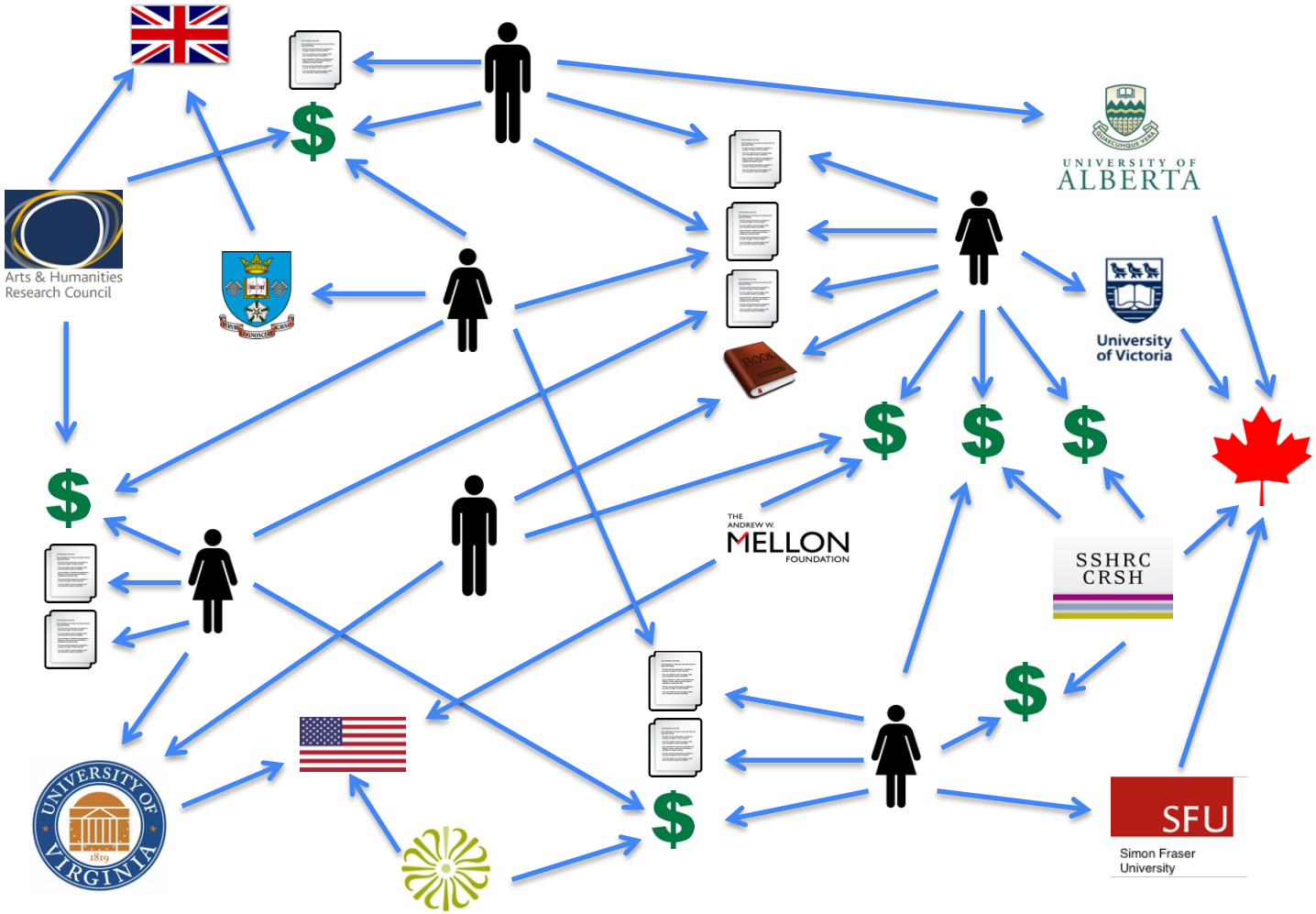
What are the barriers for GLAM institutions?

ARK	DOI
Persistent URLs	Persistent URLs
Decentralized resolution	Centralized resolution
Metadata agnostic	Standard metadata schema
Object metadata local	Object metadata local & centrally aggregated
No automated exchange of metadata	Supports automated exchange of metadata between different platforms.
Free + server costs	DataCite ($$) Crossref ($$$)

PIDs for People

Kim Martin
John Aspler

Visualising ORCID data.



Linked Data Modelling Cluster

Explore appropriate strategies for the formal representation of knowledge in the data structures and vocabularies that will shape the ecosystem

Pilot Projects

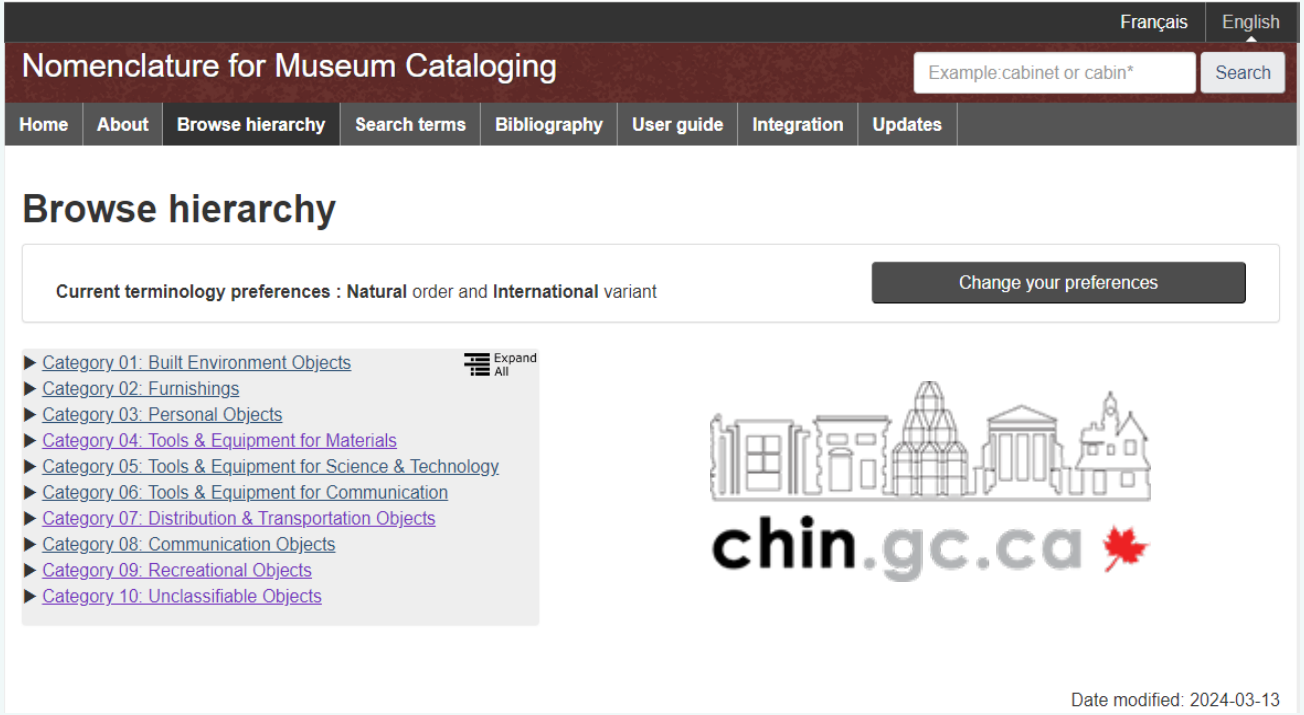
- Linked open data in society
  Philippe Michon (CHIN), Trang Dang (CHIN), Susan Brown (Guelph)

- Collective Access to linked open data
  Emmanuel Château-Dutuer (Montréal), Michael Eberle Sinatra (Montréal), Jon Bath (Saskatchewan)

- Optimizing LINCS for images and IIIF
  Jon Bath (Saskatchewan), jake moore (USask Art Galleries)

"Nomenclature" Linked Vocabulary

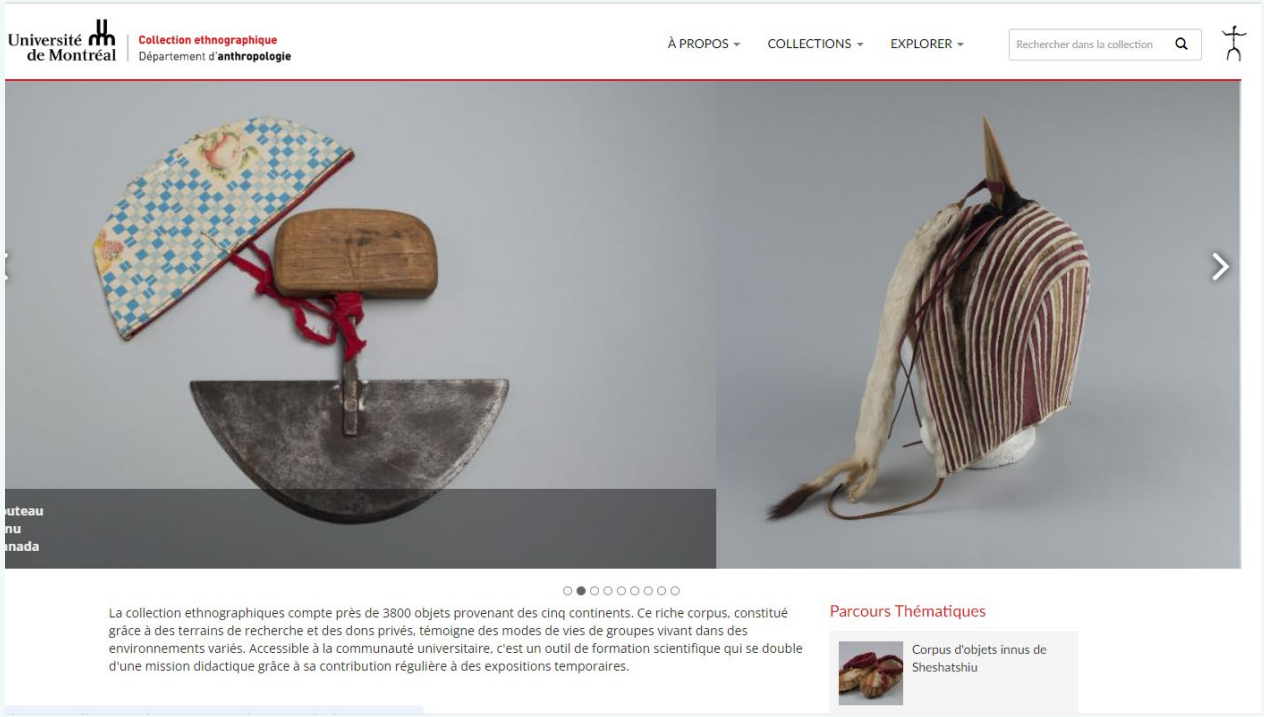
Nomenclature is the most extensively used museum classification and controlled vocabulary for historical and ethnological collections in North America.



Philippe Michon (CHIN)
Trang Dang (CHIN)

CollectiveAccess to Linked Data

Mapping the CollectiveAccess metadata schema to CIDOC-CRM



Collection Ethnographiques
Dept Anthropology
Université de Montréal

Michael Sinatra (UMontreal)
Emmanuel Château-Dutier (UMontreal)

CollectiveAccess to Linked Data

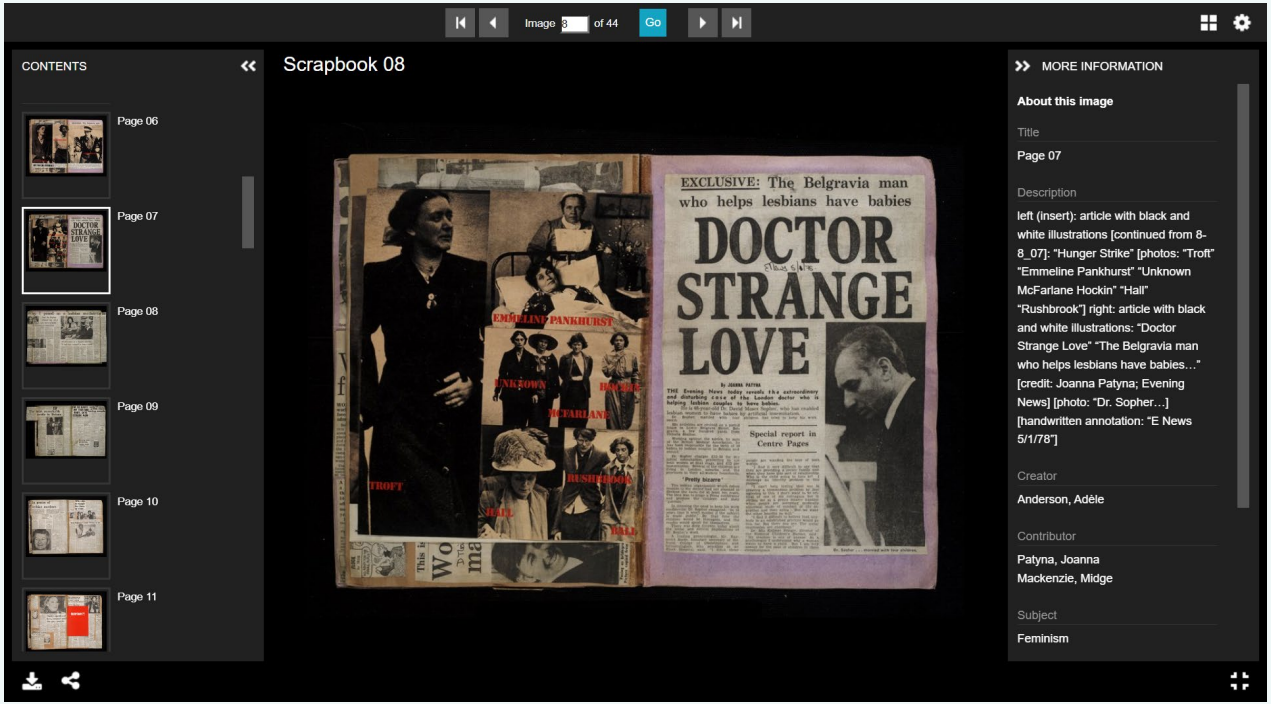
Mapping the CollectiveAccess metadata schema to CIDOC-CRM

USask Art Galleries

Jon Bath (USask)
jake moore (USask)

Optimizing LINCS for Images

Help smaller institutions to mobilize and link IIIF image data.



Jon Bath (USask)

New tools for converting images to IIIF

IIF permits image annotation

Mobilizing Linked Data Cluster

Engage the partnership and the broader community
in participatory design for rendering linked cultural content more usable

Pilot Projects

- Extending the LINCS Context Explorer
  Susan Brown (Guelph), LAC/BAC

- Leveraging PIDs in cultural publications
  Marcello Vitali-Rosati (Montréal), Michael Eberle Sinatra (Montréal)

- Design frolics
  Kim Martin (Guelph), Robin Bergart (Guelph)

Government of Canada | Gouvernement du Canada

Français

Collection search

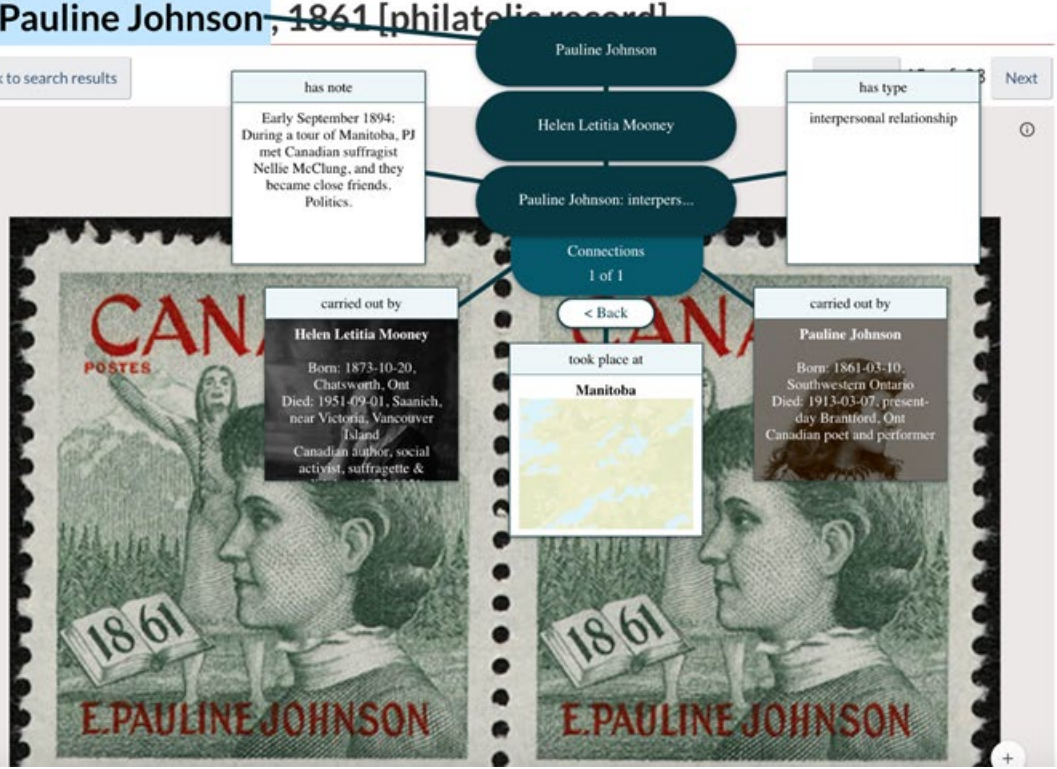
Sign In

Canada.ca > Library and Archives Canada > Collection > Search the collections

E. Pauline Johnson, 1861 [philatelic record]

Back to search results

Next



Context Explorer

Back to results

Pauline Johnson
Person
Details

Attributes
gender context: women; gender context: Wo...

Creator of
Canadian Born; Flint and Feather; Legends of ...

Summary
Canadian poet and performer

Dates
Birth - 1861-03-10, Southwestern Ontario
Death - 1913-03-07, present-day Brantford, Ont

Dataset
http://graph.lincsproject.ca/orlando

URI
http://viaf.org/viaf/351447829684588460 45

View more details

Nellie McClung
Person
Details

Pauline Johnson: interpersonal relationship with Nellie McClung
Activity

Back

Type
Activity

has note
Early September 1894: During a tour of Manitoba, PJ met Canadian suffragist Nellie McClung, and they became close friends. Politics.

Viewing (4/4)
1894-09-04

1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899

Prosopographical Data Analysis

Named entity recognition and analysis of persons who appear in published corpus.

Michael Sinatra (UMontreal)

M. Vitali-Rosati (UMontreal)

Mobilizing Linked Data Cluster

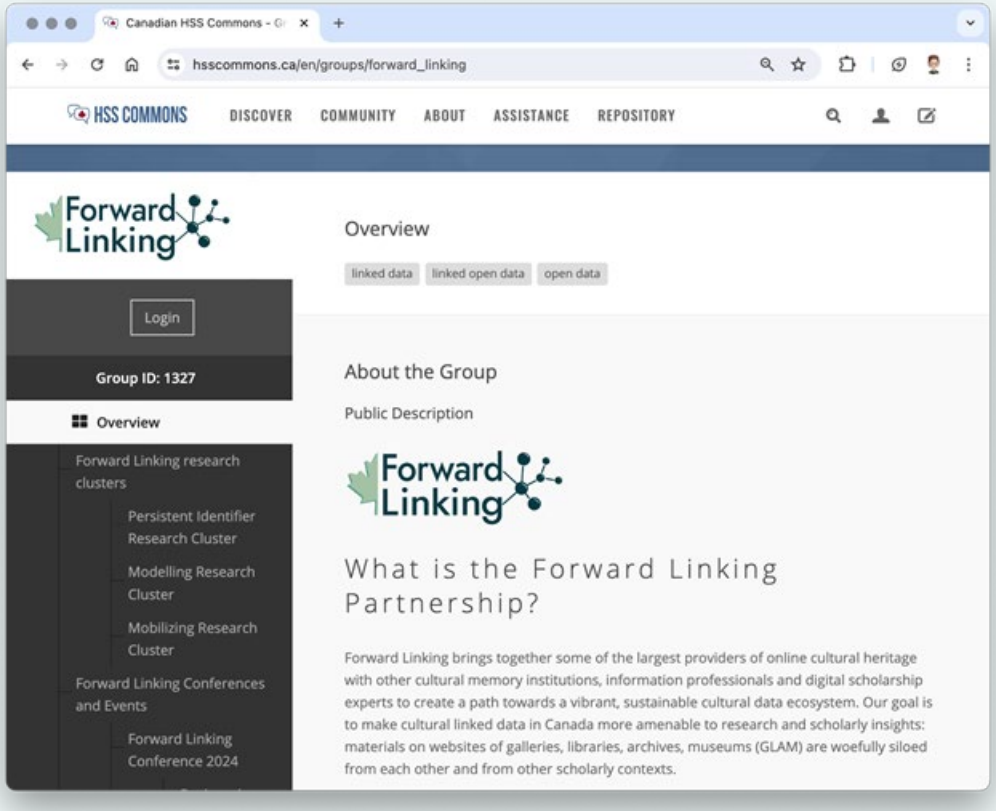
Playful brainstorming events that focus on a specific design problem.

Kim Martin (Guelph)
Robin Bergart (Guelph)

Join us on HSS Commons

A virtual home-base for the Forward Linking partnership

- Register for an ORCID
- Sign up for HSS Commons
- Join Forward Linking (Group: 1327)



Thank you!

LINCS
Linked Infrastructure for Networked Cultural Scholarship

LINCS
L'Infrastructure Numérique pour les données Culturelles dans le web Sémantique

Funded by

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