

Canadian Research Knowledge Network

Réseau canadien de documentation pour la recherche

Digital Cultural and Heritage Collections of the Future: Enabling Innovative Access and Expanding Research

CRKN Conference, Montreal November 2, 2022

Agenda

- CRKN's Cultural and Heritage Collections and Infrastructure:
 Where We Are and Where We Are Going
- 2 —— CRKN's Researcher Council: Findings to Date
- 3 Break (10:45-11:00)
- Digital Cultural and Heritage Collections of the Future Facilitated Discussion Part 1
- 5 Lunch (12:00-1:00)
- Digital Cultural and Heritage Collections of the Future Facilitated Discussion Part 2
- 7 —— Sustainability and Resourcing



CRKN's Cultural and Heritage Collections and Infrastructure: Where We Are and Where We Are Going

Speakers

Ken Hernden, Chair, PAC and University Archivist and Associate University Librarian, Queen's University

Mark Jordan, Chair, PTSC and Associate Dean of Libraries, Digital Strategy, Simon Fraser University

Brittny Lapierre, Application Developer, CRKN

Natalie MacDonald, Senior Metadata Analyst, CRKN

Ian Milligan, Member, PAC and Associate Vice-President, Research Oversight and Analysis and Professor of History, University of Waterloo

Looking to the Future - Canadiana as Open Infrastructure

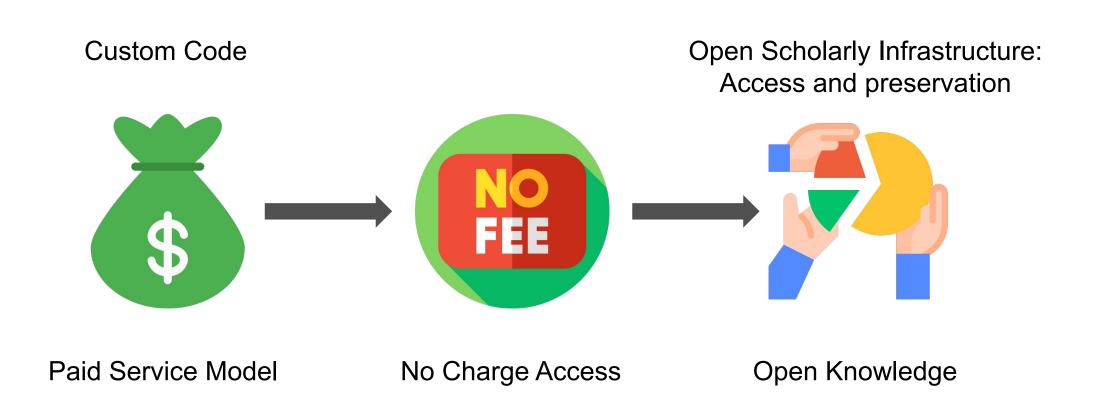


Creating innovative research and collaboration capacity across Canadian digital heritage collections

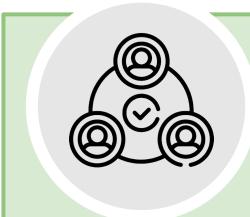
Last year's member discussion



Infrastructure



Partnerships



Build upon existing relationships made through both the licensing and heritage programs



Collaborate with groups already in this space



Focus on Open Knowledge and partnering with organizations with similar values

Content

Why Are We Here

Recognize the research potential of cultural and heritage content

What Do We Want to Do Collaborate collectively to build sustainable open infrastructure for access and preservation of cultural and heritage content

How We Are Going to Do It

Become a member driven infrastructure hub for research

Member & User-Driven Content

Research in the Present



> 90,000 monographs

- pre-1920
- Subject areas include:
 - women's history
 - indigenous history
 - immigration
- 47 different languages, including 14 Indigenous languages

> 4,000 serials

- Early Canadian Periodicals
- Annuals
- Historical newspapers from across Canada
 - From Toronto World to Robochyi narod (The Working people)

Research in the Present



Expand Research Potential

Intentionally adding content

Protecting long-term access to content

Prioritizing representation and diversity in content development

Using CRKN's negotiating power to include copyrighted material

Building upon partnerships to strengthen access to content

Expand Research Potential

As Members, are we ready to ...

Add content from our collections to Canadiana?

Rethink the scope of Canadiana?

Be adventurous and innovative with Canadiana?

Member & User-Driven Preservation

CRKN's Trustworthy Digital Repository (TDR)

Where We Are Now

- One of six existing TDR's internationally
- Only preserves
 Canadiana content

Where We Will Be in the Near Future

- Running Archivematica
- Preserving member content

Open Future of the Canadiana Infrastructure





Improvements on the status quo



A preservation service for members



National preservation infrastructure

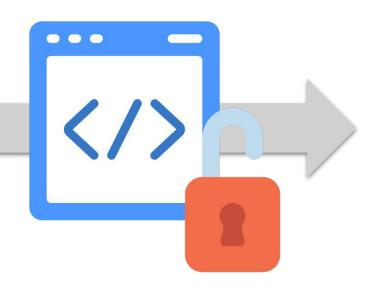
Expand Preservation Potential

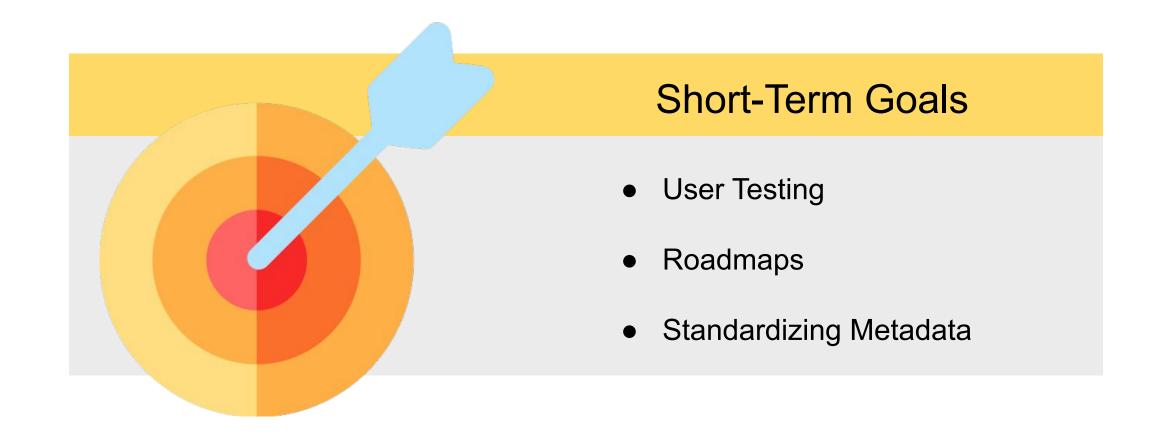


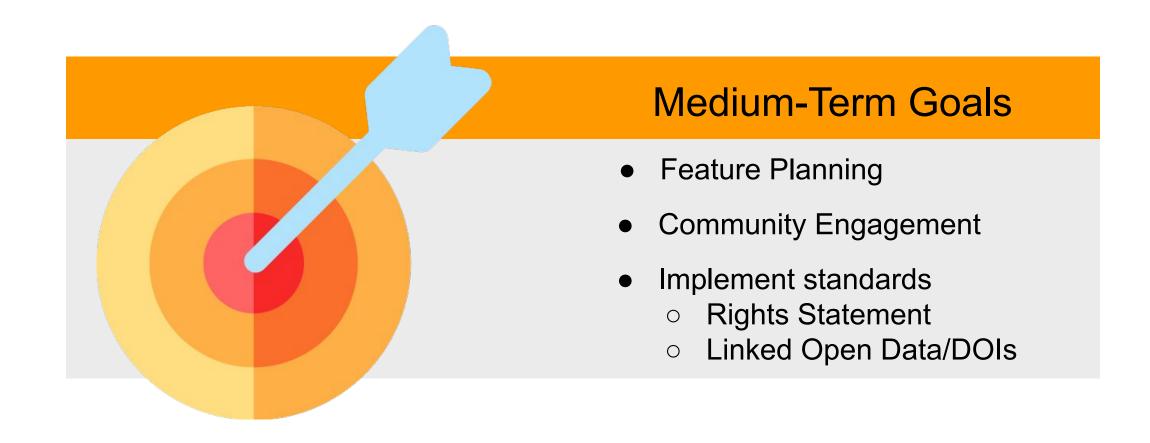


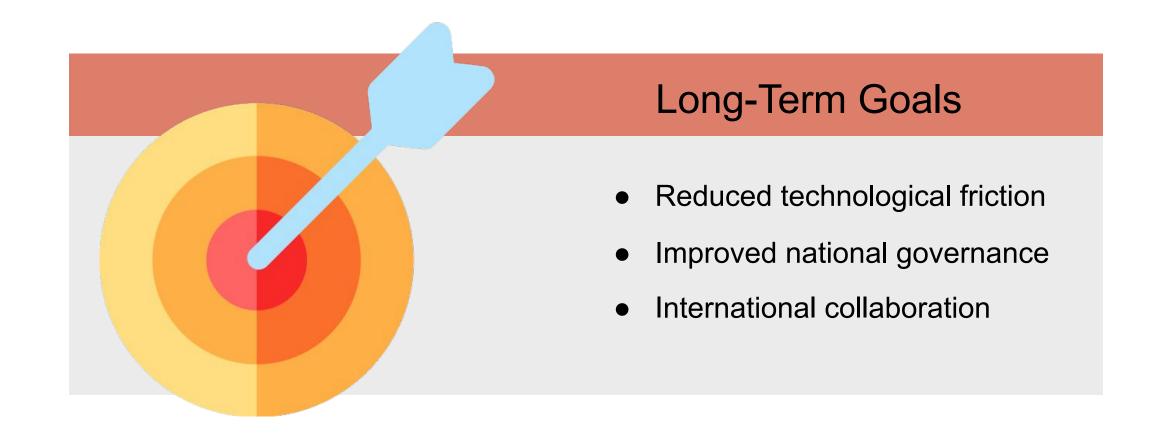
Move to Open Development Practice

- Incorporate User Feedback
- Implement Open Standards
- Collaborate with Community



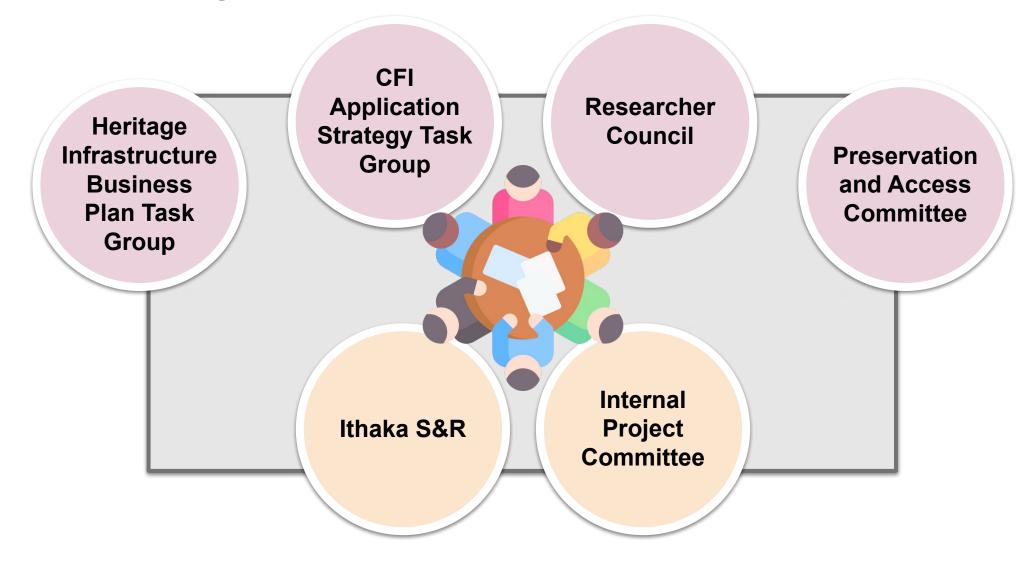






Supporting the Transformation

Supporting the Transformation



CRKN's Researcher Council: Findings to Date

Speakers

Susan Brown, Co-Chair, Researcher Council and Professor and CRC in Collaborative Digital Scholarship, University of Guelph

Camille Callison, Co-Chair, Researcher Council and University Librarian, University of the Fraser Valley

Alyssa Arbuckle, Member, Researcher Council and Associate Director, Electronic Textual Cultures Lab, University of Victoria

Maxime Gohier, Membre, Conseil des chercheurs du RCDR et Professeur régulier, Université du Québec à Rimouski

Dan Malleck, Member, Researcher Council and Professor, Brock University

Introduction to the CRKN Researcher Council

CRKN Researcher Council

In July 2022, the CRKN Board of Directors launched the CRKN Researcher Council, which includes 16 multidisciplinary researchers who are providing advice and input on the Digital Cultural and Heritage Collections of the Future project.

CRKN Researcher Council



Camille Callison University of the Fraser Valley University of Guelph



Susan Brown



Dan Brown University of Waterloo



Rebecca Dickson COPPUL



Jada Watson University of Ottawa



Alyssa Arbuckle University of Victoria



Camie Augustus Vancouver Island University



Jennifer Bain Dalhousie University



Sabeen bin Zayyad University of Calgary



Colleen L. Renihan Queen's University



Jeremy Heil Queen's University



Dan Malleck **Brock University**



Kim Martin University of Guelph



Sheila Petty University of Regina

Stacy Allison-Cassin (Dalhousie University), **Maxime Gohier** (Université du Québec à Rimouski), and Jane Griffith (Toronto Metropolitan University)

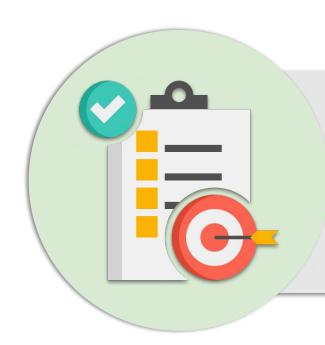
CRKN Researcher Council



How can the content in Canadiana be best used to advance the Canadian research field?

Project Vision

Mission



To build a comprehensive, collective digital library of Canadian cultural heritage content that provides a respectful and representative historical narrative and enables transformative research and equitable access to knowledge.

Vision

Accelerating Canadian research and innovation objectives at a system-wide level

Preserving Canada's heritage content for future generations

Ensuring state-of-the-art, researcher-driven access to heritage content

Integrating cultural heritage content into the research ecosystem

Building an equitable and inclusive future through understanding

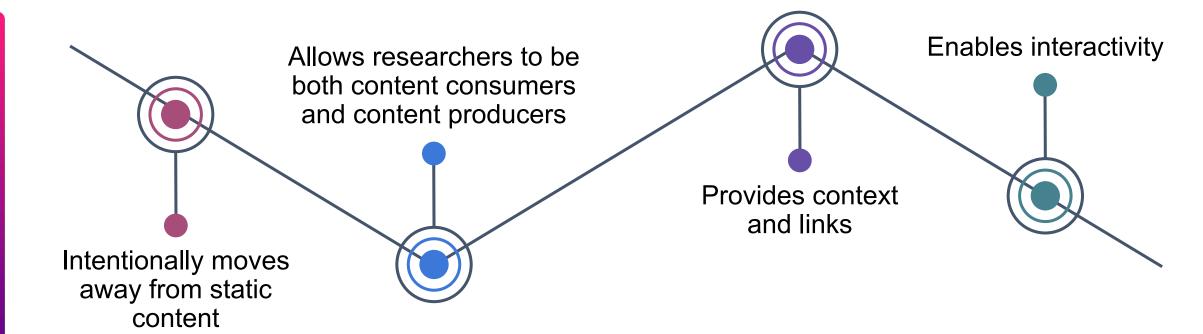
Enabling transformative research

Increasing the resiliency of the Canadian GLAM sector

Researcher Council Findings to Date

Exploring a Paradigm Shift

Envisioning an innovation research platform that:



Summary of Findings



Equity, Diversity, Access, and Inclusion

Truth and Reconciliation

Findability



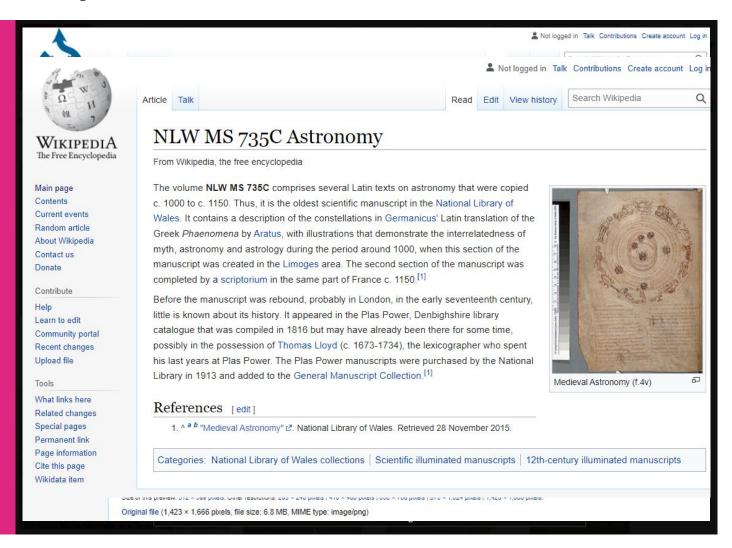
Making it easier to search for and find relevant content

- Improved search functionality and filtering
- Structured metadata to serve specialized and citizen researchers
- Capacity to replicate and automate searches via linked open data
- Interoperability between different databases and collections

Findability Example

Dwynwen

An example of how linked open data supports findability, Dwynwen is a search and display engine for visual artworks of the National Library of Wales.



Access



Breaking down barriers to making content widely accessible

- Enhancing access to community materials for Indigenous peoples
- Prioritizing access for residential school survivors
- Welcoming diverse groups of researchers
- Ensuring inclusive design principles
- Multilingual infrastructure
- API access to metadata and content

Access Example

Plateau Peoples' Web Portal

Using Mukurtu CMS as the platform for the Portal allows tribes to determine culturally appropriate access to their cultural heritage and knowledge.

Searchability



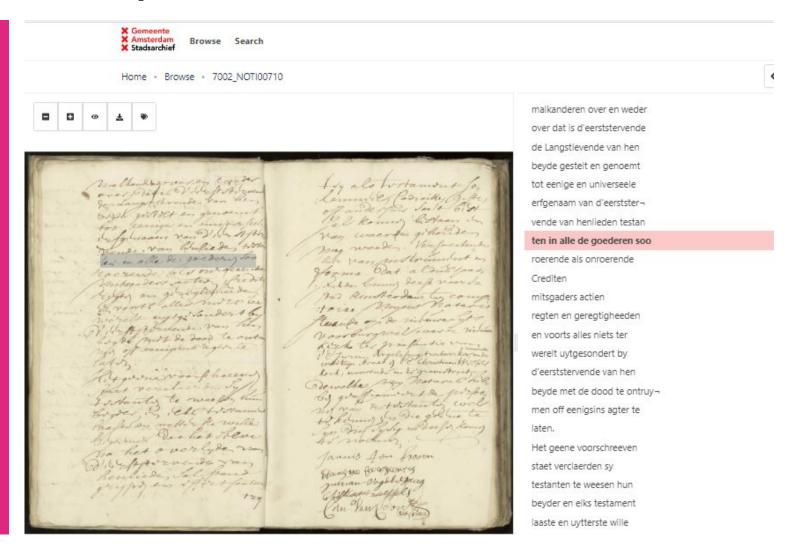
Improving the search experience

- Improving the functionality of searching within an item
- Allowing users to understand the quality of the text recognition of each item
- Maintaining the ability to flip from page to page

Searchability Example

Amsterdam City Archives

Using Transkribus
Handwritten Text
Recognition (HTR), allows
for searching within
hundreds of thousands of
documents inside the
Amsterdam Notarial
Archives.



Content



Making important content and its contextual information available

- Inclusion of robust contextual information with each item
- Consistent access to government records
- Researcher-produced digitized content
- Preserving fragile and at-risk material
- Audiovisual content
- Content relating to land claims while also respecting Indigenous data sovereignty
- Completeness of content

Content Example

Early Caribbean Digital Archive

Plantation slavery and settler colonialism are defining aspects of the early Caribbean. The ECDA works to decolonize the archive using digital tools to remix and recontextualize the archive.

The Interesting Narrative of Olaudah Equiano (1793): A Scholarly Introduction

By: Max Dodge-Harkins

Works Cited

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African." Slaver	Carey, Brycchan. "Olaudah Equiano: An Illustrated Biography." <i>Brycchan Carey</i> . Accessed June 15, 2016. http://www.brycchancarey.com/equiano/index.htm.
Fisch, Audrey. The Press, 2007.	Chiles, Katy. Transformable Race: Surprising Metamorphoses in the Literature of Early America. Oxford: Oxford University Press, 2014.
Davidson, Cathy	Dillon, Elizabeth Maddock. "A Sea of Texts: The Atlantic World, Spatial Mapping, and Equiano's Narrative." In <i>Religion, Space, and the Atlantic World</i> , edited by John Corrigan, 22-54. Columbia, SC: University of South Carolina Press, 2017.
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Little, Kenneth. A	Potkay, Adam. "History, Oratory, and God in Equiano's Interesting Narrative." Eighteenth-Century Studies 34, no. 4 (2001): 601-614.
Samuels, Wilfred Black American 1	Sweet, James H. "Mistaken Identities? Olaudah Equiano, Domingos Álvares, and the Methodological Challenges of Studying the African Diaspora." <i>The American Historical Review</i> 114, no. 2 (2009): 279-306.

Support Services & Documentation



Empowering and supporting users

- Sophisticated training for large scale datamining, filtration, and analysis
- Accessible search guides and finding aids
- Clear documentation of search functionality and metadata
- Identification of resources relating to Indigenous peoples on a national level
- Open metadata models and schemas for users to add their own content

Support Services & Documentation Example

Indigitization Project

The Indigitization Toolkit is a collection of resources to support and guide digitization projects in Indigenous communities.



New Audio Recordings with Zoom Recorders

Indigenous Language Apps (coming soon)

Transcription and Translation of Language Content (coming soon)

Researcher Council Member Lightning Presentations

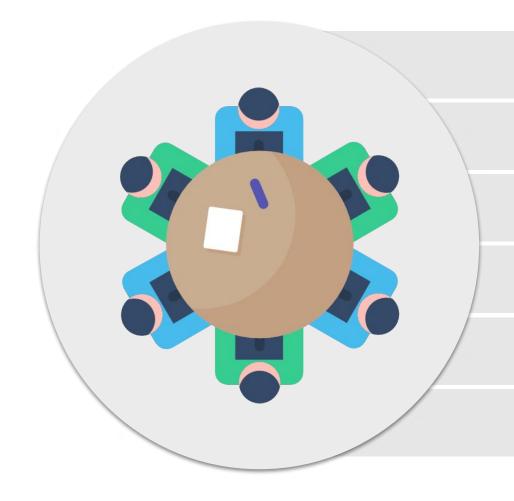
Lightning Sessions

Policy, medicine, and historical sources: Confronting strengths, weaknesses, opportunities, and "threats" of digital sources	Dan Malleck
Nouvelle-France numérique : une expérience de partenariat global dans la recherche sur le patrimoine documentaire et la gestion des données	Maxime Gohier
Open Social Scholarship and the INKE Partnership	Alyssa Arbuckle
Connecting Research to Cultural Content Online: The Linked Infrastructure for Networked Cultural Scholarship	Susan Brown

Questions For Consideration

- Does this envisioned future align with your goals?
- What other projects/platforms should CRKN draw inspiration from? Are there any national examples of initiatives that have EDIA and Indigenous cultural sensitivity woven into the project from the beginning?
- What are your recommendations for building this initiative in a way that centres Truth and Reconciliation and that respects Indigenous cultural sensitivity?
- What initiatives are happening at the institutional and regional level and how would these initiatives support or enhance existing access and preservation programs/infrastructures?
- Are there other themes that should be considered/explored as part of this initiative?

Break



Vision and scope

CRKN's role in digital heritage

Research potential

Institutional needs

Supporting the project

Short, medium, long term vision

Path 1

Status Quo: Mainly Maintenance

Maintain current infrastructure

Path 2

Community Open Infrastructure

Work with members to expand current infrastructure

Path 3

Transformational
Open Research
Infrastructure

Partner with members and researchers on research, innovation

Requires significant funding and resourcing (e.g. CFI Innovation Fund)

- Opportunities to think big with regards to how we provide access to and preservation of heritage and cultural content
- Inspired by examples of transformation & leading by example

Path 3

Transformational Open Research Infrastructure

Partner with members and researchers on research, innovation

Digital Cultural and Heritage Collections of the Future: Enabling Innovative Access and Expanding Research - Part 1

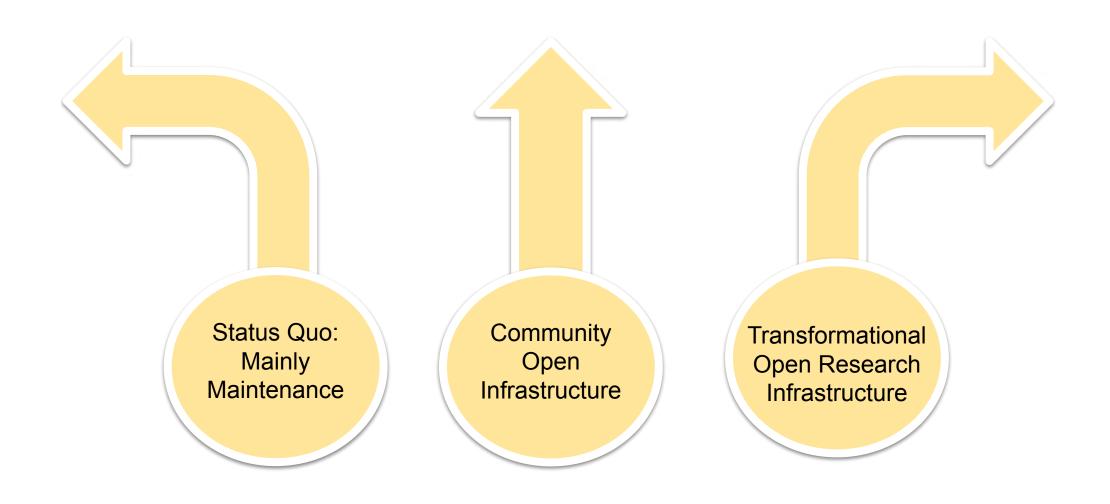
Integrating Innovation & Defining Value

What is the distinct value that CRKN currently delivers to members through Canadiana? How might that value evolve in 5 years?

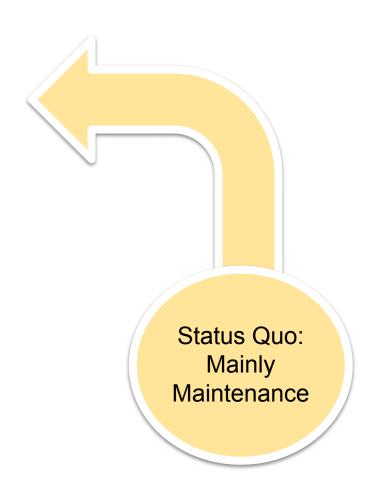
What kind of innovation in national cultural and heritage infrastructure is needed to enable transformative research and what is CRKN's role in enabling it?

Digital Cultural and Heritage Collections of the Future: Enabling Innovative Access and Expanding Research - Part 2

Today: Three Paths towards the Future



Status Quo: Mainly Maintenance



Continue supporting Canadiana in its current state

- basic development to maintain platform
- limited capacity for new content
- maintain member commitment to support Canadiana

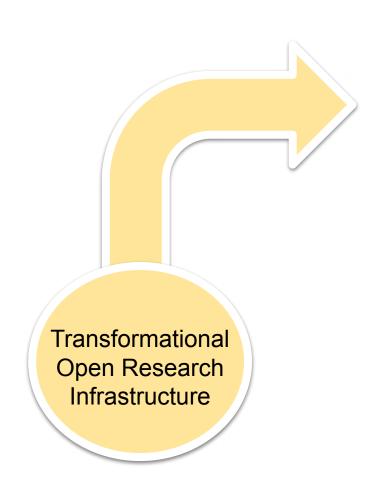
Community Open Infrastructure

Canadiana becomes community-driven infrastructure

- intentional collection development with member content
- new content formats
- significant technological development
- extend member commitment to support Canadiana
- diversified portfolio for funding sustainability



Transformational Open Research Infrastructure



Enhanced version of the Community Open Infrastructure approach for CFI IF

- mobilize content as research data
- leverage member connections
- extend and increase member commitment
- resource additional capacity in CRKN team
- diversified funding portfolio plus CFI IF

What are we collectively building?

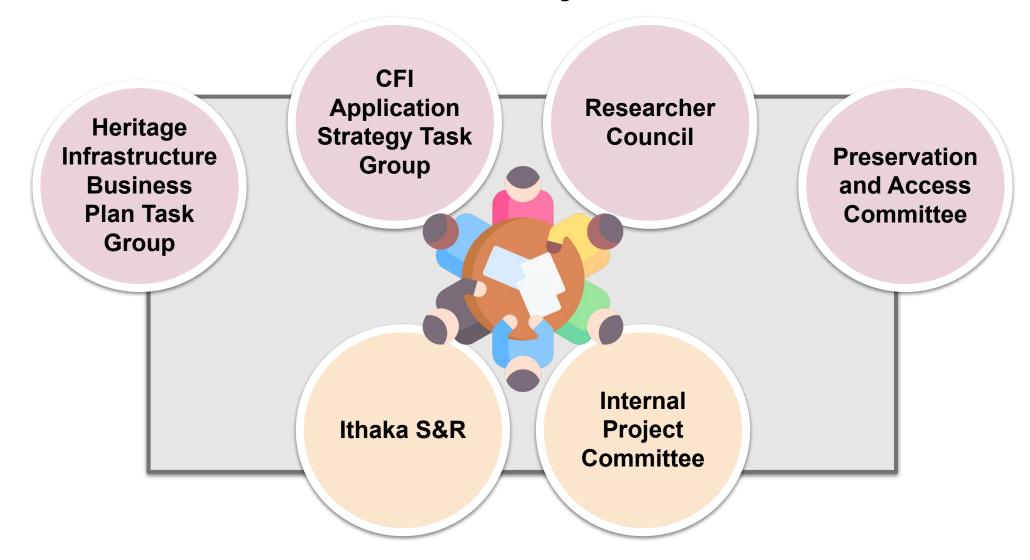
What are some of the ways that your institution could support the development and resourcing of this future? E.g. in-kind support, expertise, connections to researchers from your University, technology, co-development of tools, content, CFI envelope.

Where should we, as a member community, devote our collective energy and resources?

- Towards maintaining the status quo?
- Towards transitioning Canadiana to open scholarly infrastructure?
- Towards partnering with members and researchers on research and innovation through the creation of transformational open research infrastructure?

Sustainability and Resourcing

Future of Canadiana Project Governance



Heritage Infrastructure Business Planning Task Group

Original role

budget planning for the CFI project

Updated role

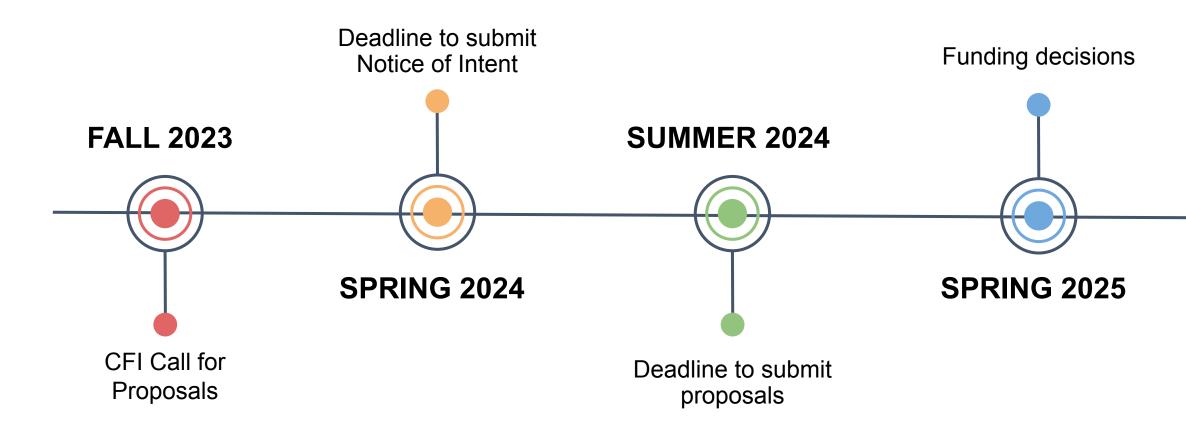
sustainably funding CRKN's heritage program

Prospective Administrative Host Institution



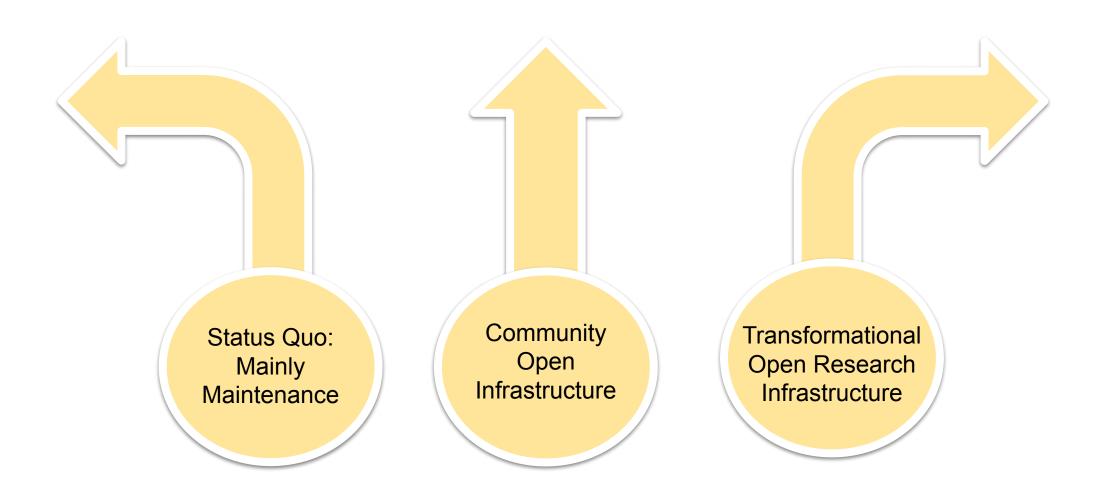
Builds on past partnerships between uOttawa and CRKN, including CRKN's two previous successful CFI applications in 2000 and 2004, with uOttawa acting as host organization.

CFI Innovation Fund - Draft Timelines*



^{*} As the next Innovation Fund call has not yet been issued, these are based on the timeline of the 2023 Innovation Fund Call

Gut Check: Where are we going?



Engagement

What can we provide to enable our collective path forward?



Full project vision and description



1-pager about CRKN and the project



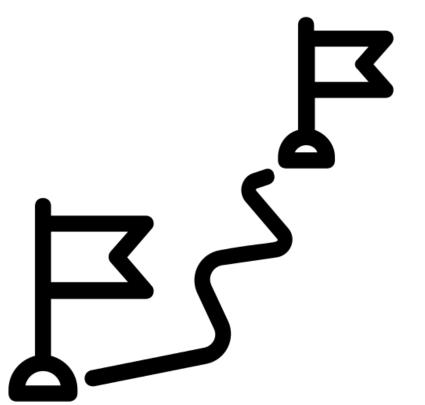
Project webpage



Slide deck with project information

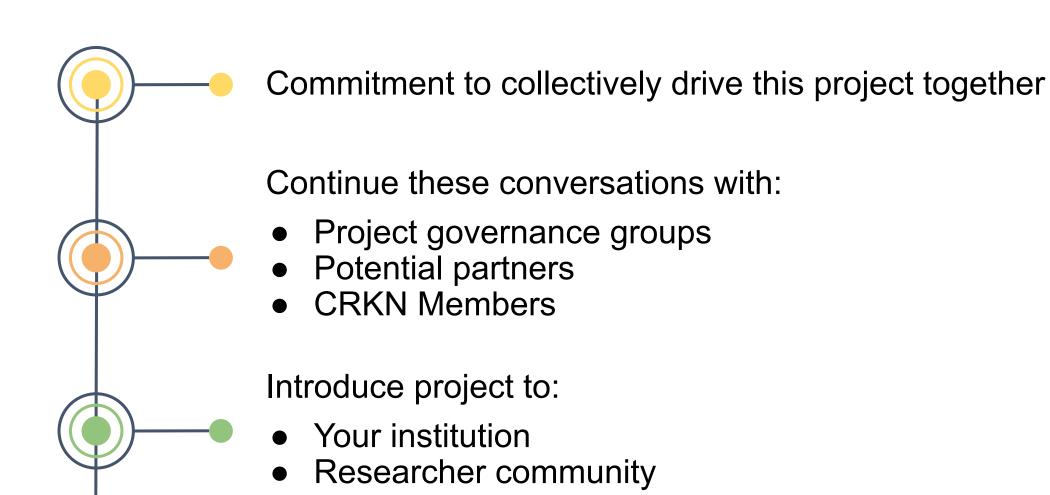
What would you, as UL/decision maker for your institution, need to get support and secure funding for this project?

What We Need from Members



- Commitment on path to move forward together
- Connect with researchers at your institution
- Connect with librarians, archivists, and infrastructure support providers at your institution
- Input on transformational research potential
- Outreach to your VP Research

Next Steps



Wrap up

Strength in Community

Designing the Future of Open Scholarship in Canada

CRKN members:

working as a community to build a future where knowledge is accessible by all

Digital Cultural and Heritage Collections of the Future

Voting Cards



Reminder for voting members to collect their voting cards at registration desk