Data Management & Transition to NDRIO – Update

Jeff Moon, Director, Portage
Portage Webinar Series | 31 March 2020

CARL Portage is supported by directed funding from Innovation, Science & Economic Development Canada flowing through CANARIE
Agenda

• Portage & COVID-19
• Update on Initiatives
• Data Management & NDRIO
"Portage has been in touch with CIHR to offer support or direct assistance related to data management planning, curation, deposit or discovery related to newly-funded projects, and the FRDR team has been in discussions with Calcul Quebec to determine how FRDR can support the publishing of data related to COVID-19 research."
RDM Watercooler Chats

Regular opportunity to learn about ongoing initiatives and current issues in RDM.

• A chance to touch base with the community.
• First pilot held on Friday, March 28th with the Portage Network of Experts and Working Groups.
• Stay tuned for future opportunities to join the conversation.
Ideas for Webinars

Regular opportunity to learn about ongoing initiatives and current issues in RDM.

- DMP v2: An Introduction
- DMP v2: Creating a custom template
- Data Management Plans for Sensitive Data
- FRDR: Launch to full production
- Introduction to Geodisy
- Getting Started with your Institutional RDM Strategy
- Understanding Tri-Agency Requirements
- Collaboration on Campus: IT, Libraries, and more
- Webinars themed on work specific Portage Expert and Working groups (preservation, curation, etc.)
- Dataverse North Update
- RDM: A Disciplinary Approach
- What’s Hard about FAIR?
- Primer on PIDs (Persistent Identifiers)
- Repository Certification
Portage Online Conference

What types of content?

• Presentations
• Workshops
• Break-out discussions
• Lightning Talks
• Other
Other Ideas to Support the Community

• Your ideas are welcome.
• Share your ideas in the chat or email melanie.parlette-stewart@carl-abrc.ca
Update on Initiatives
Core activities of Portage to date...

- Data Management Plans (DMPs)
- Deposit
- Institutional Strategy

National Discovery Layer

FRDR.ca
Portage actions related to Tri-Agencies’ policy...

Institutional Strategy → Data Management Plans (DMPs) → Deposit

- RDM Strategy Template
- DMP Assistant
- National, online, bilingual, Data Management Planning Tool
- National, Multi-disciplinary Repository Options
Improve discovery of Canadian research (meta)data
Break down repository siloes
Drive traffic to existing repository sites
Create interoperability between Canadian and international platforms

Metadata harvested to FRDR
National Discovery Layer

FRDR.ca
OpenAIRE | EXPLORE
portage
Revised template & guidance
Updated to assume the Tri-Agency policy has been launched
Will feed into institutional planning and broader training initiatives
Currently being translated and formatted...
Portage is developing a number of discipline-specific DMP Exemplars and a DMP-specific repository to enhance discovery and sharing.

Customized DMP Templates
- By institution
- By discipline
- By use case
  → Indigenous data template

DMP 2.0 coming soon...
DMP Exemplars

3 Exemplars coming soon…

Social Sciences
Mixed methods research
(survey & interviews/focus groups)

Historical Demography
Text-based Historical Canadian Census Data, bilingual union list of born-digital products from the Canadian Census of Population, starting with the 1961 Census

Digital Humanities
Women's Print History Project (1750-1830)
Other FAIR initiatives...
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Persistent Identifiers (PIDs)

- DOIs for data or journal publications
CRKN & CARL Portage: The DataCite Canada Consortium

DataCite Blog

Good news for the new year: the DataCite Canada Consortium will launch on January 1, 2020

December 18, 2019 by Helena Cousijn • 3 min read
https://doi.org/10.5438/494-ee34

Following the updates to the DataCite member model earlier this year, CRKN has been working with several organizations on establishing DataCite consortia. We are therefore very pleased to announce that the DataCite Canada Consortium will launch on January 1, 2020!

For the past ten years, DOIs in Canada were provided through the National Library of Canada. When we started conversations about forming a DataCite consortium, we expected the Canadian Research Knowledge Network (CRKN) might be willing to provide DOIs on behalf of a collective negotiating body for academic libraries in Canada. As part of this process, CRKN will lead the Canadian ORCID consortium, and will continue to support the community around persistent identifier (PID) infrastructure.

Visit: https://stats.datacite.org/
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Persistent Identifiers (PIDs)

- DOIs for data or journal publications
- ORCID for individuals
Other Potential PIDs

Source: https://www.slideshare.net/OpenAIRE_eu/new-pid-developments
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Findable  Accessible  Interoperable  Reusable

Repository Certification

RDC DRC
Research Data Canada – Données de Recherche Canada
Best Practices

CORE TRUST SEAL

COAR
Confederation of Open Access Repositories

portage
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Metadata, Controlled Vocabularies & Discovery

OCLC
FAST
Subject Headings
(Faceted Application of Subject Terminology)

Improving & expanding metadata harvesting from Canadian Repositories

Improving Geospatial discovery through the GEODISY Project
Improving Discovery

geodisy

Explore Canadian research data
Browse by keyword

Browse by category

Institution
Scholars Portal Dataverse, more »

Data type
Undetermined, Raster, Polygon, Line String, Point, 3D Polygon, Measured Line String, more »

Placename
Canada, Ontario, United States, United Kingdom, Japan, France, Germany, China, India, more »

Subject
Social Sciences, Earth and Environmental Sciences, Agricultural Sciences, Arts and Humanities, Business and Management, Medicine, Health and Life Sciences, Law, Engineering, Other,
Bathymetry: Lake Opinicon

Author(s): Queen's University Biological Station

Description: Lake Opinicon is bordered by QUBS Point, Sugarbush Island, the Bonwill Tract and the Cape Staul Environmental Studies Area (Concession 14, Lots 16-20; Concession 16, Lots 1-2; Lots 1-3; Concession 18, Lots 1-2 of South Frontenac; Lennox County and Concession 7, Lots 13-16; Concession 8, Lots 12-17; Concession 9, Lots 12-16; Concession 10, Lots 14-16 of Rideau Lakes Township, Leeds and Grenville County). Mean depth = 2.8 m; maximum depth = 11.3 m; surface area = 7880 ha. shoreline =

Place(s): Canada

Held by: Scholars Portal Dataverse

More details at: https://hdl.handle.net/10884/10546

GEOGRAPHIC AREA

https://geo.frdr.ca/
FRDR selected to receive support from FAIRsFAIR to improve international interoperability

https://www.fairsfair.eu/form/support-towards-increasing-repository-interoperability
Glossary of ‘sensitive data’ terms
- Defining risks related to roles of individuals
- Deposit-friendly text for ethics, informed consent
- Data access agreements
- Research Data Risk Matrix
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Sensitive Data

- Continued work on Indigenous research

Government of Canada:

Setting new directions to support Indigenous research and research training in Canada

“nothing about us without us”  

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Sensitive Data

- FRDR-aligned project to support sensitive data
- Exploring viability of zero-knowledge encryption in an RDM context
- Developing tools to encrypt packages at time of deposit
- Supporting metadata-only review and discovery of sensitive datasets
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Other areas of activity

- Preservation workflow
- National network of curation support
- Training and outreach activities
- Governance – Dataverse & FRDR
- Increased engagement with domains
Data Management & NDRIO
Moving toward a new DRI organization
Key transition priorities for Portage

National Data Stewardship Support
Providing coordinated support at the national level

RDM Platform Support and Development
Develop and operationalize national, collaborative RDM platforms and services
Kelly Stathis
Discovery & Metadata Coordinator

Beth Knazook
Preservation Coordinator

Melanie Parlette-Stewart
Training Coordinator

Caitilin O’Hare
Communications Officer

Veronica Amirault
Project Manager

Jeff Moon
Director

Jennifer Abel
Project Officer

Lee Wilson
Service Manager

National Data Stewardship Support
RDM Platform Support & Development

Partners

- University of Alberta
- University of Toronto
- OCUL (Ontario Council of University Libraries)
- Dataverse North
- SFU (Simon Fraser University)
- University of Waterloo
- SciNet

FRDR Project Lead
FRDR Host Sites
FRDR Archival Storage
DM Timeline for transition to NDRIO

- Oct 1 2019
- Jan 31 2020
- April 1 2020
- Sept 30 2020
- Dec 2020
- Mar 31 2021
- 2022 – 2023
- Mar 31 2024

- CANARIE / ISED - Directed Funding
- NDRIO Directed Funding Under Corporate Plan
- NDRIO DM Funding Under Strategic Plan
- Coordination & Alignment with ARC, RS, & Network
- Strategic Plan Briefing Notes
- Corp Plan Dev

- Portage
Looking Forward

• Improving discovery
• Developing & deploying a national RDM training strategy
• Growing a national network of data curation support
• Supporting the evolution of national preservation services
• Addressing issues related to sensitive data
• Working closely with domains to address discipline-specific issues
• Advancing repository certification efforts in Canada
• Facilitating DM joining ARC and RS as part of NDRIO
Thank you to our partners

CARL Portage is supported by directed funding from Innovation, Science & Economic Development Canada (ISED), flowing through CANARIE

Network of Experts
Questions?

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