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SERVICES PARTAGÉS POUR LES DONNÉES DE RECHERCHE
SHARED STEWARDSHIP OF RESEARCH DATA

Data Management & Transition to NDRIO – Update

Jeff Moon, Director, Portage

Portage Webinar Series | 31 March 2020

Innovation, Science, & Economic Development Canada

canarie

CARL ABRC

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

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Portage & COVID-19

COVID-19

"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."

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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.

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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

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Portage Online Conference

What types of content?

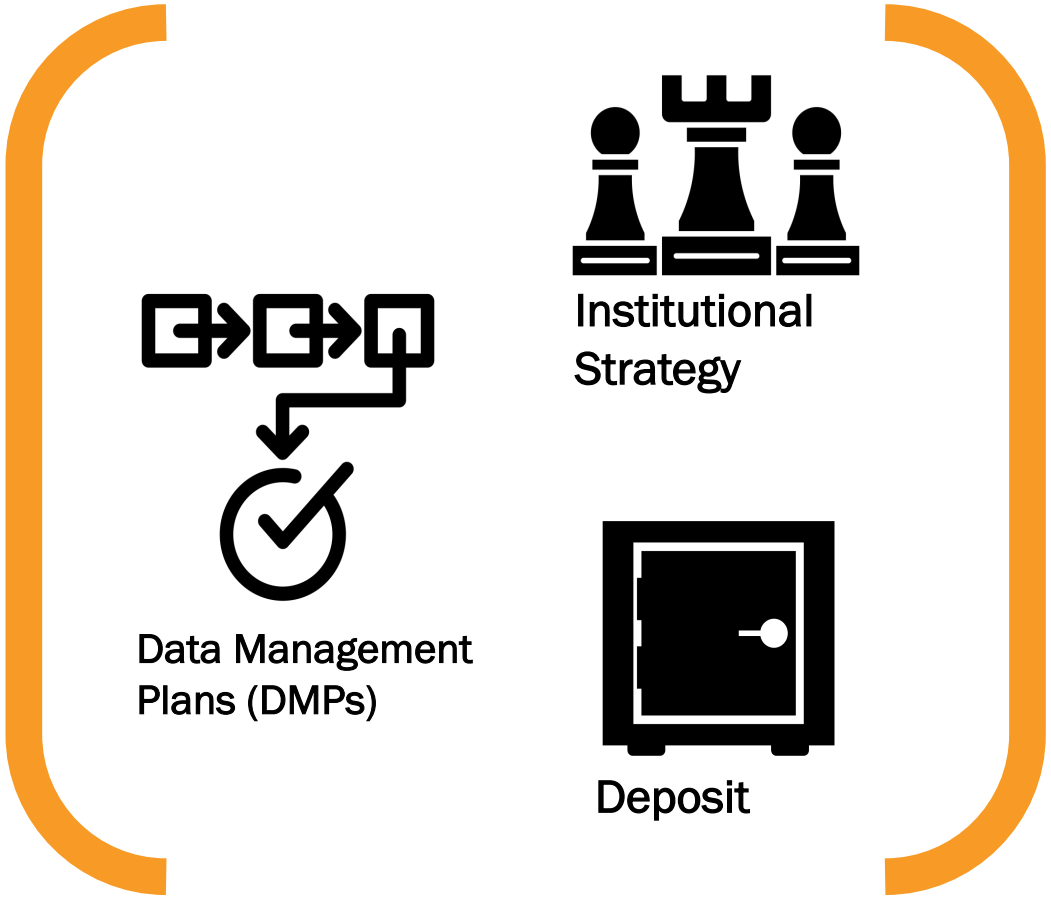
- Presentations
- Workshops
- Break-out discussions
- Lightning Talks
- Other

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...



National Discovery Layer

CIHR IRSC NSERC CRSNG SSHRC CRSH

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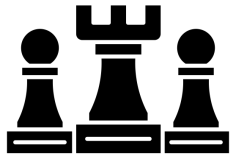
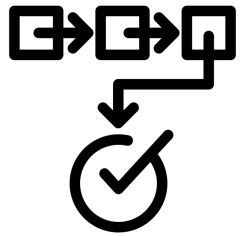
Policies by Shems Eddine Boukhatem from the Noun Project

Portage actions related to Tri-Agencies' policy...



Institutional Strategy

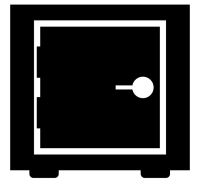
RDM Strategy Template



Data Management Plans (DMPs)

DMP Assistant

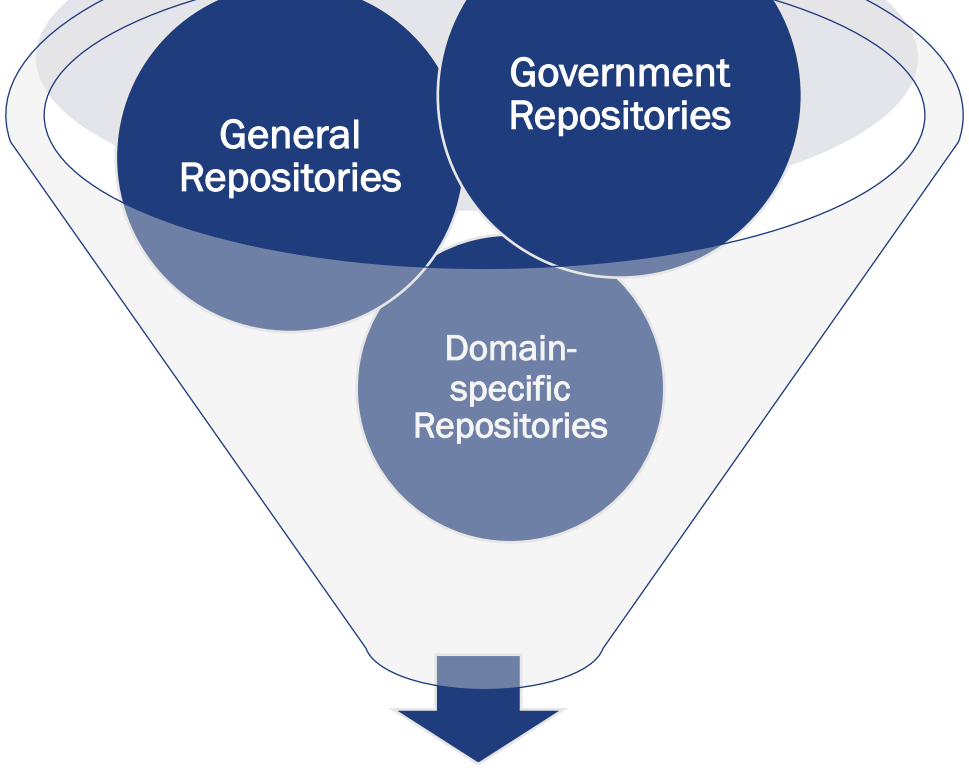
National, online, bilingual, Data Management Planning Tool



Deposit

National, Multi-disciplinary Repository Options

Policies by Shems Eddine Boukhatem from the Noun Project



Metadata harvested to FRDR

National Discovery Layer

Improve discovery of Canadian research (meta)data

Break down repository siloes

Drive traffic to existing repository sites

Create interoperability between Canadian and international platforms

OpenAIRE | EXPLORE

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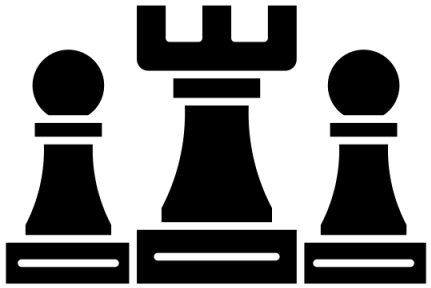
Institutional RDM Strategy



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Institutional RDM Strategy Template v 2.0

- 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…

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Data Management Planning

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…

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DMP Exemplars

3 Exemplars coming soon…

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

Social Sciences

Mixed methods research (survey & interviews/focus groups)

Digital Humanities

Women's Print History Project (1750- 1830)

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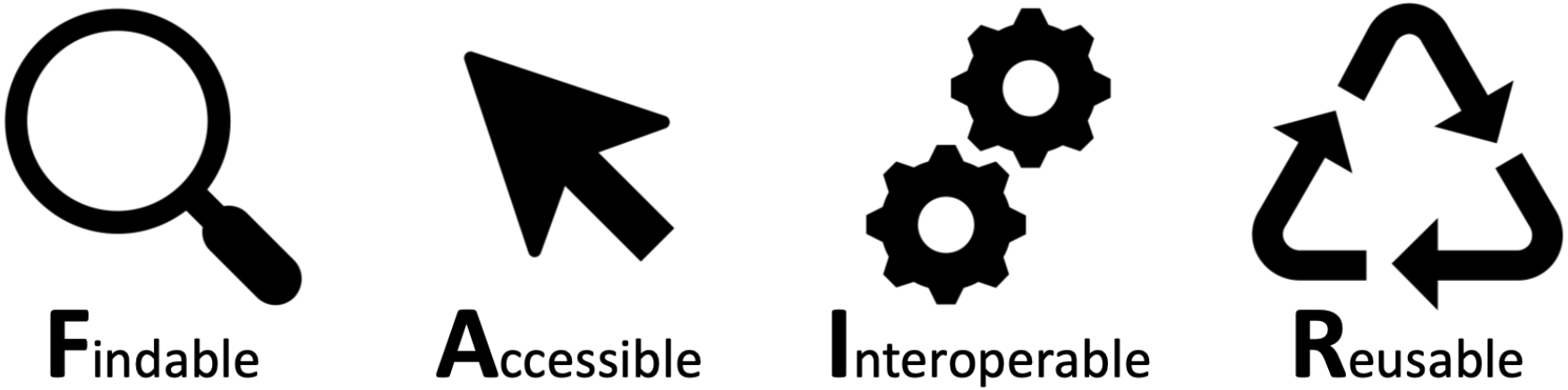
Other FAIR initiatives...



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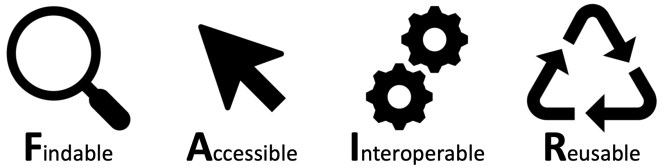
Fair Enablers



Persistent Identifiers (PIDs)

- DOIs for data or journal publications

DataCite
FIND, ACCESS, AND REUSE DATA

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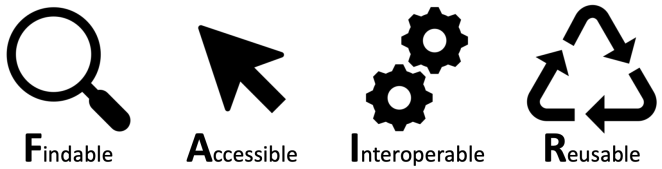
SERVICES PARTAGÉS POUR LES DONNÉES DE RECHERCHE
SHARED STEWARDSHIP OF RESEARCH DATA

CRKN & CARL Portage: The DataCite Canada Consortium

Fair Enablers



Persistent Identifiers (PIDs)

- DOIs for data or journal publications
- ORCID for individuals

DataCite
FIND, ACCESS, AND REUSE DATA

ORCID

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SERVICES PARTAGÉS POUR LES DONNÉES DE RECHERCHE
SHARED STEWARDSHIP OF RESEARCH DATA

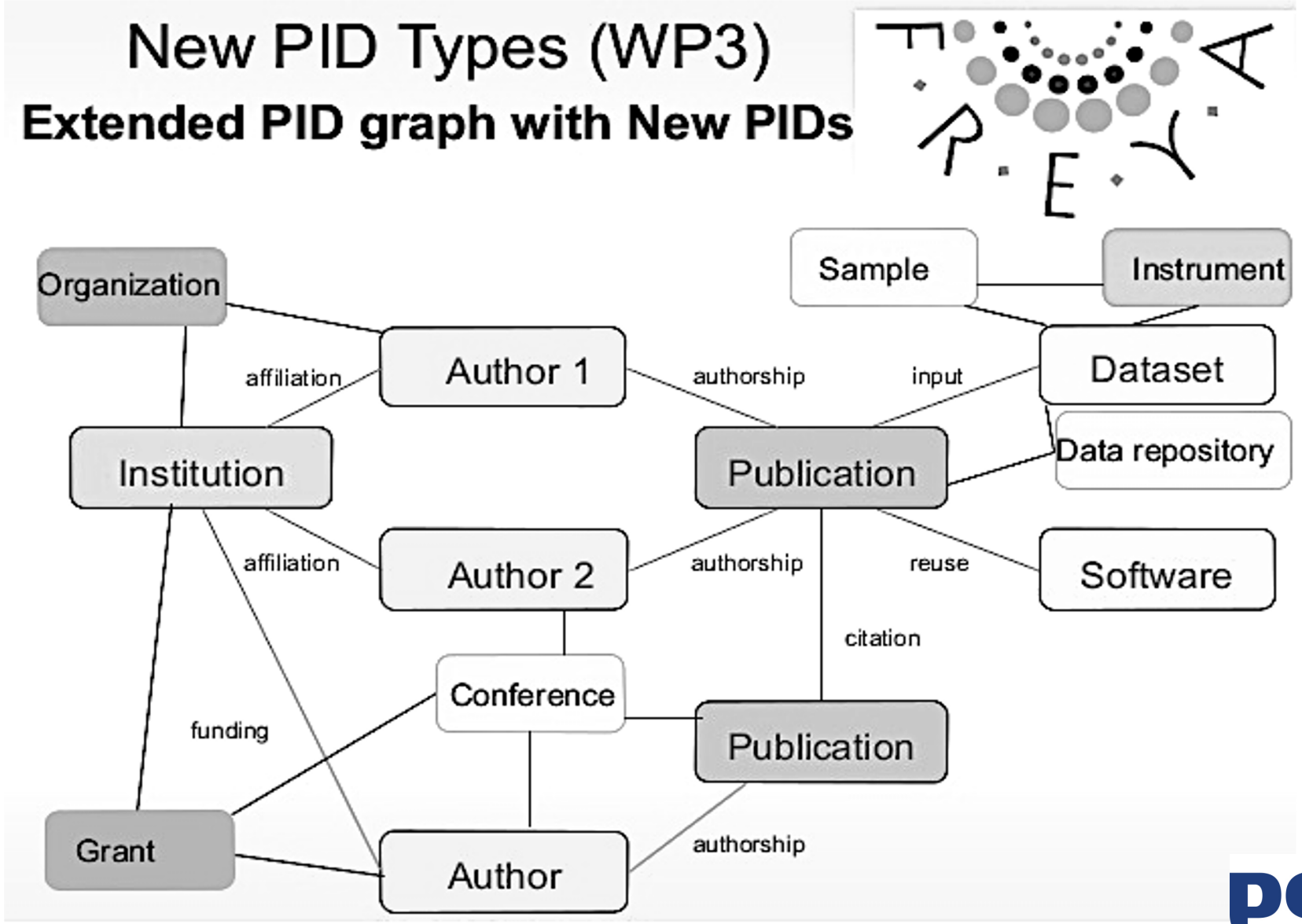
ORCID-CA Consortium

The ORCID Consortium in Canada

Consortium Lead Organization

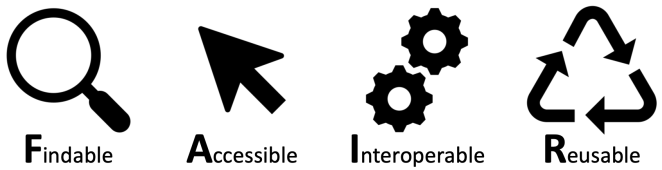
17 member multi-stakeholder working group

Other Potential PIDs



Source: https://www.slideshare.net/OpenAIRE_eu/new-pid-developments

Fair Enablers



Findable Accessible Interoperable Reusable

Repository Certification

CORE TRUST SEAL

RDC DRC
Research Data Canada – Données de Recherche Canada

Best Practices

COAR
Confederation of Open Access Repositories

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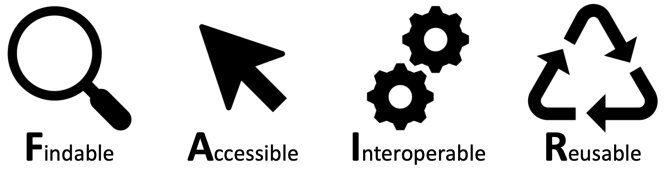

Metadata, Controlled Vocabularies & Discovery

OCLC

FAST

Subject Headings

(Faceted Application of Subject Terminology)

Improving & expanding **metadata harvesting** from Canadian Repositories

Improving **Geospatial discovery** through the **GEODISY** Project

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Improving Discovery

geodisy

Explore Canadian research data

Browse by keyword

Search... Search

Browse by category

Institution

Scholars Portal Dataverse, more »

Data type

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

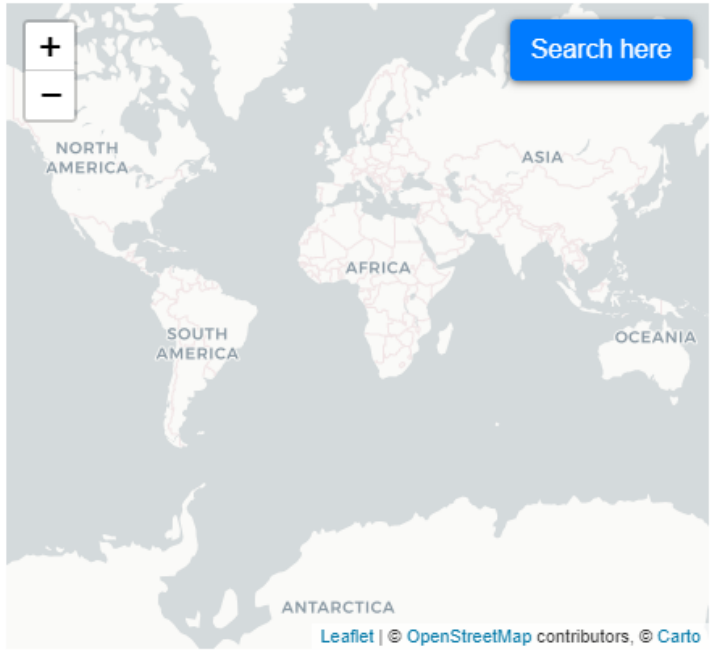
Placename

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,

Browse by location



biological Search

Start Over | biological | Bounding Box › -76.920776 43.826601 -75.932007 44.613934

Limit your search

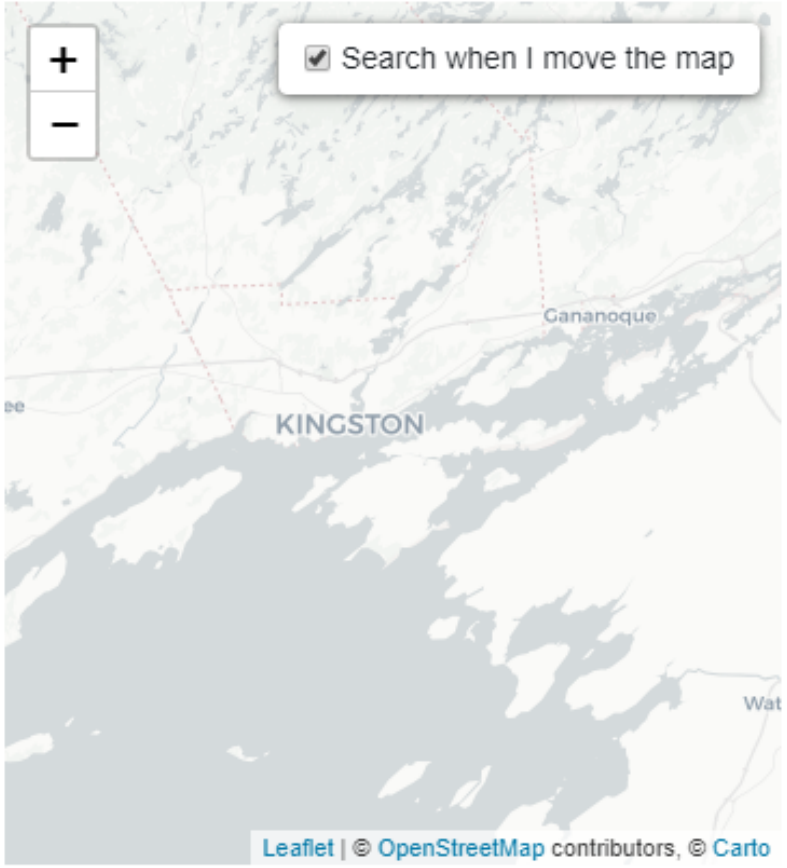
- Institution
- Author
- Subject
- Place
- Collection
- Access
- Data type
- Format

« Previous | **1** - **10** of **12** | Next »

Sort by relevance | 10 per page

1. Bathymetry: Lake Opinicon
2. Bathymetry: Elbow Lake
3. Bathymetry: Poole Lake
4. Bathymetry: Lindsay Lake
5. Annual Reports
6. QUBS Point Climate Data, 1993-2...
7. Bathymetry: Long Lake
8. Bathymetry: Round Lake
9. Bathymetry: Warner Lake
10. Glyphosate-resistant Canada fle...

« Previous | Next » | 1 | 2



Search... Search

Start Over | Back to Search

« Previous | **1** of **12** | Next »

Bathymetry: Lake Opinicon

Author(s): Queen's University Biological Station

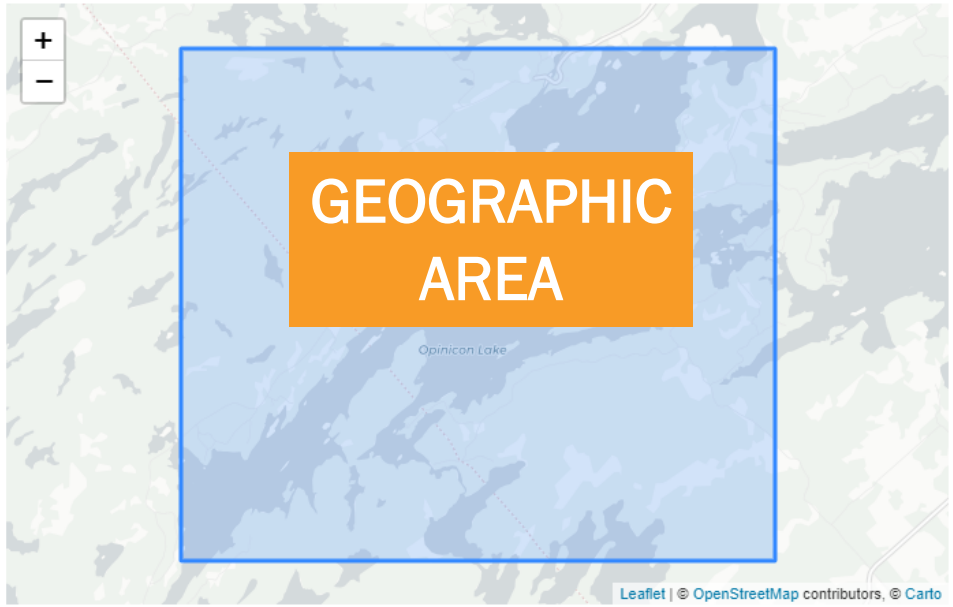
Description: Lake Opinicon is bordered by QUBS Point, Sugarbush Island, the Bonwill Tract and the Cape-Sauriol Environmental Studies Area (Concession 14, ession 15, Lots 16-20; Concession 16, Lots 1-2, ots 1-3; Concession 18, Lots 1-2 of South Frontenac nac County and Concession 7, Lots 13-16; Concession 8, Lots 12-17; Concession 9, Lots 13-16; 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 = 788.0 ha, shoreline =

Read More

Place(s): Canada

Held by: Scholars Portal Dataverse

More details at: https://hdl.handle.net/10864/10546



METADATA

GEOGRAPHIC AREA

Tools

ISO 19115 Metadata

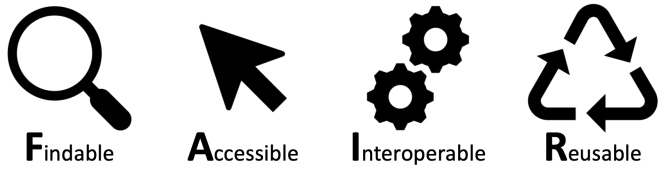
Downloads

Original Shapefile

DOWNLOADS

https://geo.frdr.ca/

Fair Enablers



Interoperability

FAIRSFAIR
Fostering Fair Data Practices in Europe

FRDR selected to receive support from FAIRsFAIR to improve international interoperability

https://www.fairsfair.eu/form/support-towards-increasing-repository-interoperability

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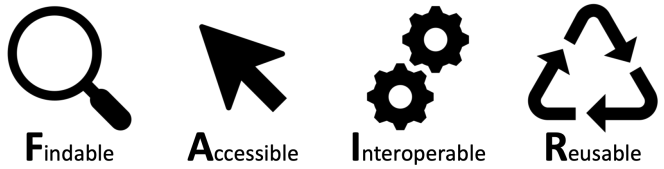

Sensitive Data

- ✓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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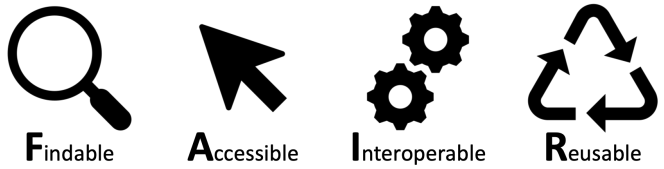

Findable **A**ccessible **I**nteroperable **R**eusable

Government of Canada Gouvernement du Canada

Canada

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”

p. 5

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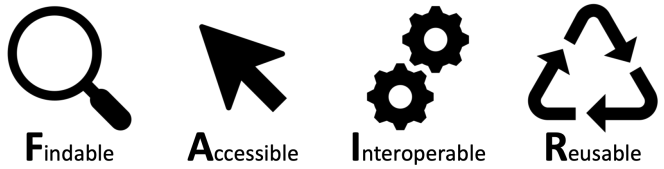

SFU

SIMON FRASER UNIVERSITY

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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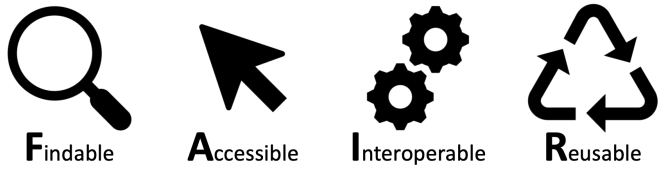

Other areas of activity

- Preservation workflow
- National network of curation support
- Training and outreach activities
- Governance – Dataverse & FRDR
- Increased engagement with domains

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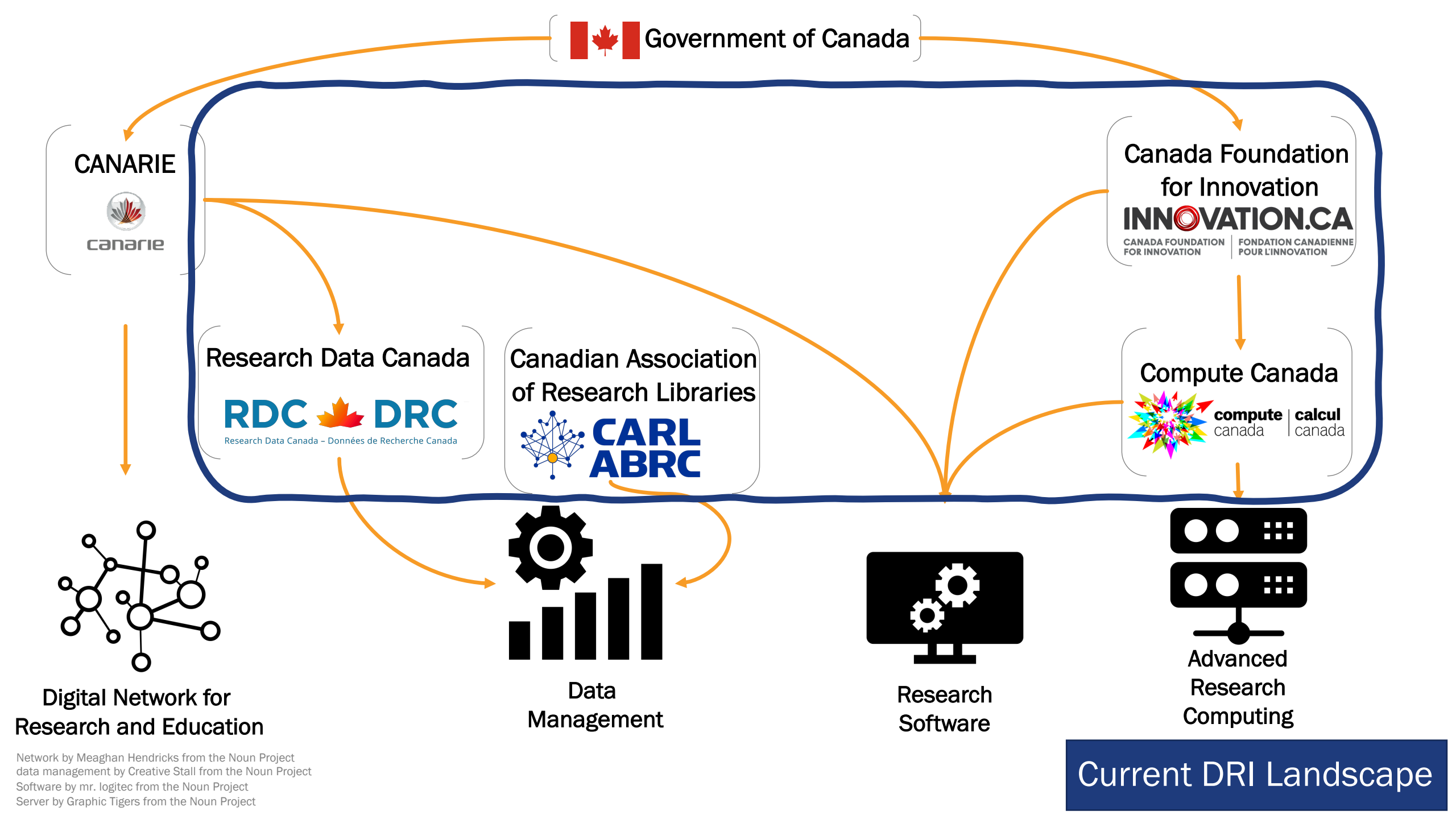
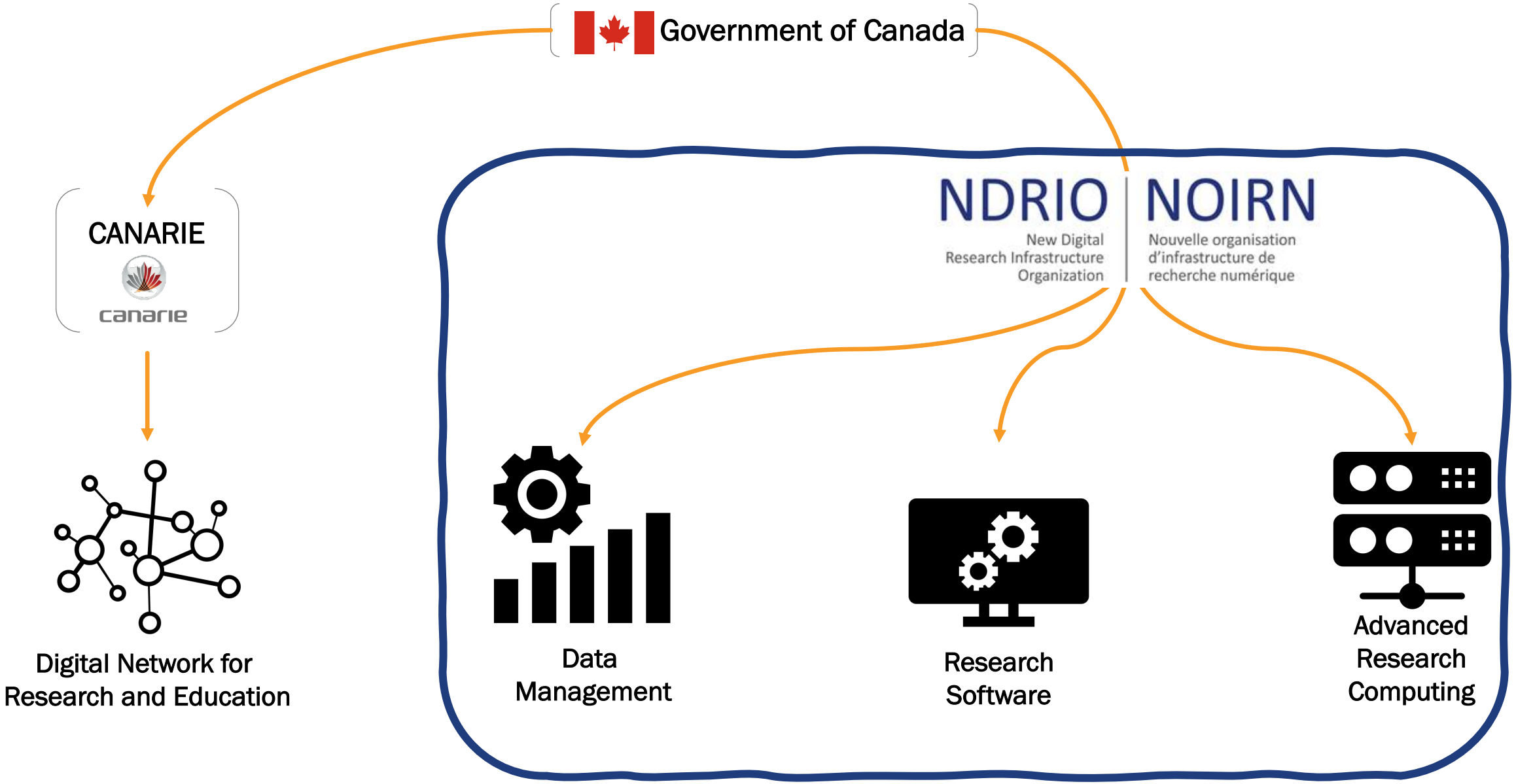
Data Management & NDRIO


Government of Canada
CANARIE
canarie
Canada Foundation for Innovation
INNOVATION.CA
CANADA FOUNDATION FOR INNOVATION
FONDATION CANADIENNE POUR L'INNOVATION
Research Data Canada
RDC DRC
Research Data Canada – Données de Recherche Canada
Canadian Association of Research Libraries
CARL ABRC
Compute Canada
compute canada
calcul canada
Digital Network for Research and Education
Data Management
Research Software
Advanced Research Computing
Network by Meaghan Hendricks from the Noun Project
data management by Creative Stall from the Noun Project
Software by mr. logitec from the Noun Project
Server by Graphic Tigers from the Noun Project
Current DRI Landscape



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

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National Data Stewardship Support

Erin Clary
Preservation Coordinator

Melanie Parlette-Stewart
Training Coordinator

Beth Knazook
Preservation Coordinator

Caitilin O'Hare
Communications Officer

Kelly Stathis
Discovery & Metadata Coordinator

Veronica Amirault
Project Manager

Jennifer Abel
Project Officer

Lee Wilson
Service Manager

Jeff Moon
Director

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RDM Platform Support & Development

Partners

University of Alberta

DMP Assistant
Sign In | Sign Up

University of Toronto

OCUL Ontario Council of University Libraries

Dataverse North

FRDR Archival Storage

SciNet

FRDR DFDR
Federated Research Data Repository | Dépôt fédéré de données de recherche

FRDR Project Lead

University of Saskatchewan

FRDR Host Sites

SFU Simon Fraser University

University of Waterloo

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Services partagés pour les données de recherche
Shared stewardship of research data

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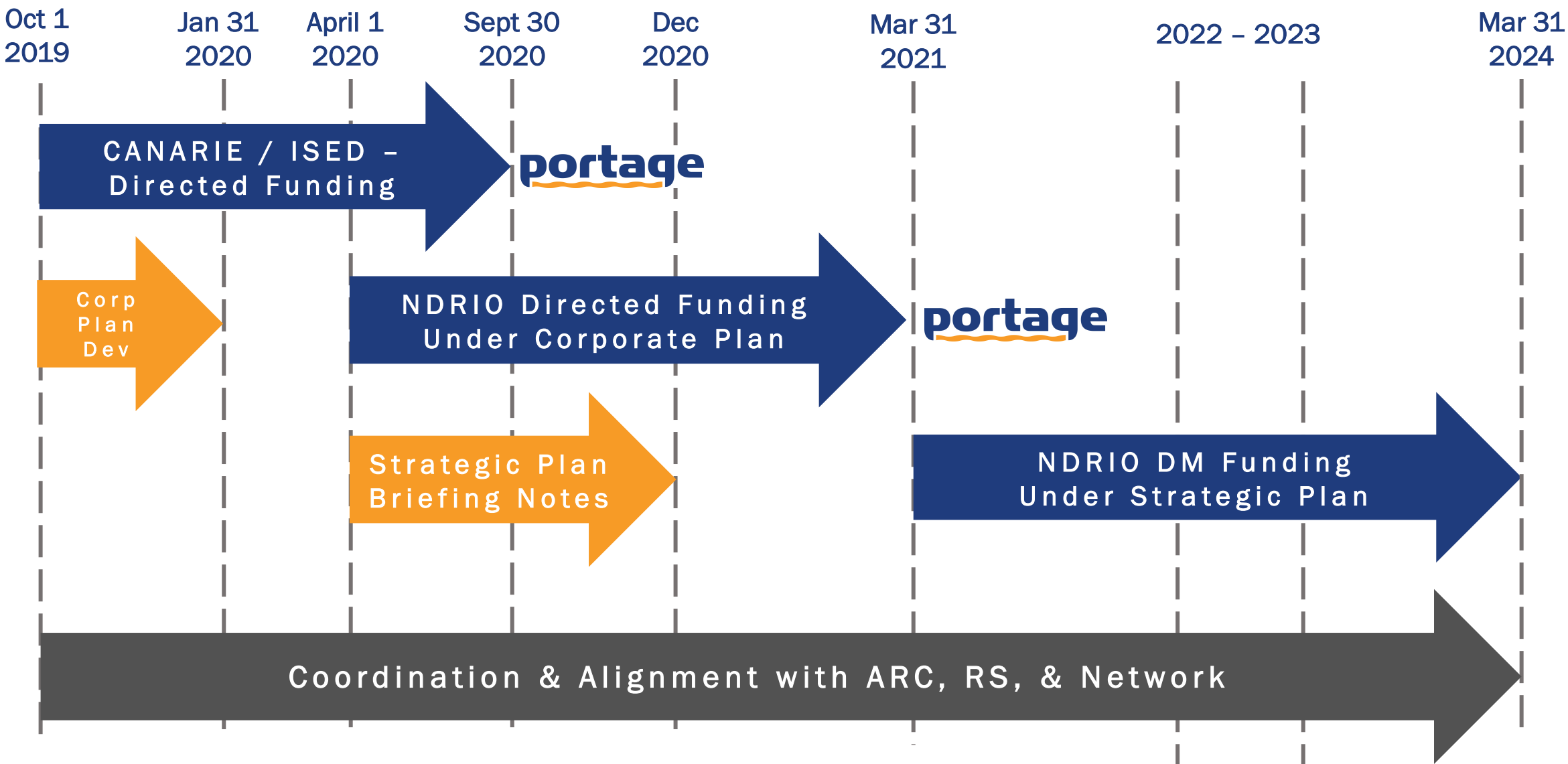
compute canada | calcul canada

DM Timeline for transition to NDRIO



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

Innovation, Science and Economic Development Canada

Innovation, Sciences et Développement économique Canada

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Network of Experts

CARL ABRC

UNIVERSITY OF TORONTO

SciNet

UNIVERSITY OF ALBERTA

SFU

SIMON FRASER UNIVERSITY

OCUL Ontario Council of University Libraries

UNIVERSITY OF WATERLOO

UNIVERSITY OF SASKATCHEWAN

portagenetwork.ca

Jeff Moon
Director, Portage Network
Email: portagedir@carl-abrc.ca

Questions?