

# The Canadian Research Data Management Landscape

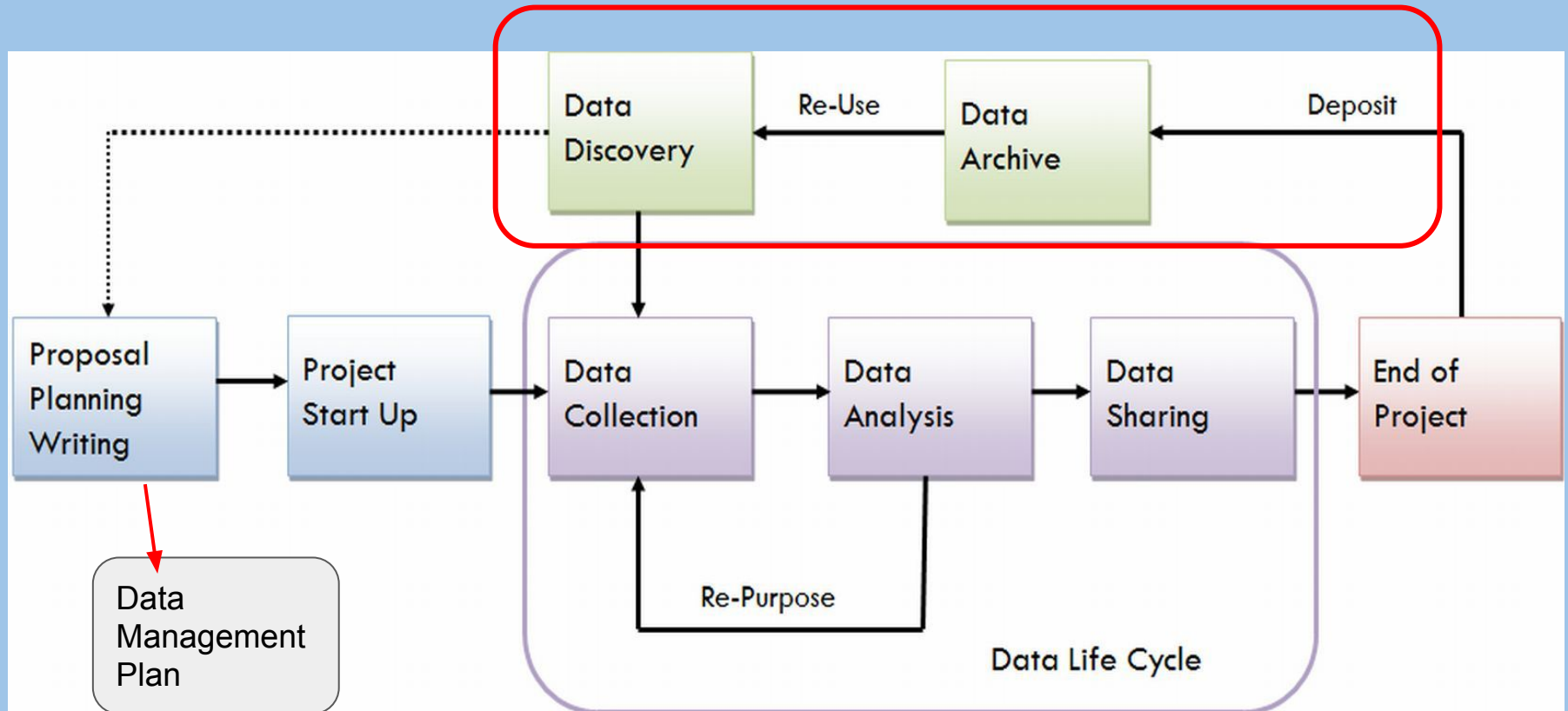
James Doiron,  
RDM Services Coordinator, UofA Libraries  
Co-Chair, Portage DMP Expert Group

Canadian Data Curation Forum  
McMaster University

*October 16, 2019*

# What is Research Data Management?

*RDM = managing data throughout all phases of the research lifecycle ....through active phases and beyond*



Source: "E-Science and the Life Cycle of Research", Humphrey, C. (2006)

# Tri-Agency Statement - 2016



In June 2016, The Tri-Agencies (SSHRC, CIHR, NSERC) released a [\*Statement of Principles on Digital Data Management\*](#)

## The statement outlines:

1. **Expectations**→ DMP's, standards, collection/storage, metadata, preservation, retention, and sharing
2. **The responsibilities of all stakeholders** to meet those expectations

# Tri-Agency RDM Policy (Draft) - 2018

In the Spring of 2018, the Tri-Agencies released a draft of the [“Tri-Agency Research Data Management Policy”](#)

Release of a final policy is expected in later 2019/early 2020

The draft policy includes suggested requirements related to three primary areas:

**Institutional  
Strategy**



**DMPs**



**Deposit**



# Tri-Agency RDM Draft Policy - “Take away points”

## Institutional Strategy:

*“Each institution administering tri-agency funds is required to create an institutional research data management strategy”*

## Data Management Plans:

*“...specific funding opportunities may require DMPs to be submitted to the appropriate agency at time of application*

## Data Deposit:

*“Grant recipients are required to deposit into a recognized digital repository all digital research data, metadata and code that directly support the research conclusions in journal publications, pre-prints, and other research outputs that arise from agency-supported research*

# Portage Network

Portage is a national RDM network launched by CARL in 2015 which coalesces initiatives to build capacity and coordinate RDM activities in Canada

## 1. Networks of Expertise:

- Pan-Canadian RDM expertise
- Provides resources, tools, and experts in the area of RDM

## 2. Infrastructure Platforms

- Works to assemble and deliver essential RDM infrastructure and service components

*\*Portage provides bi-lingual expertise and resources*



# Responses to Tri-Agency Policy

Institutional  
Strategy



DMPs



Deposit



RDM  
Strategy  
Template



✓ Institutional RDM Strategies



✓ Data Management  
Planning



**DMP Assistant:**  
National, online, bilingual,  
Data Management  
Planning Tool

✓ Institutional Data Repository



FRDR  
DFDR  
FEDERATED RESEARCH DATA REPOSITORY  
DÉPÔT FÉDÉRAL DE DONNÉES DE RECHERCHE



**Dataverse**



# Based on a national network of experts

## Expert Groups

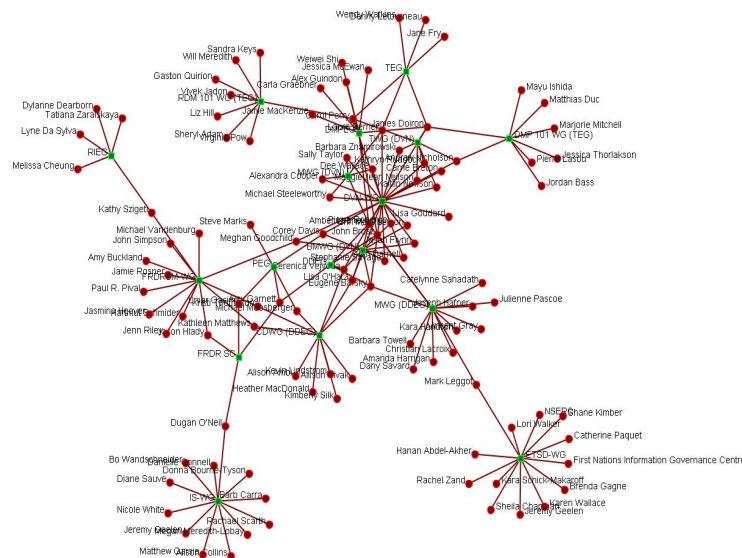
- Data Management Planning
- Curation
- Data Discovery
- Preservation
- RDM Training
- Research Intelligence
- Data Repositories

125+

Experts

59


Organizations




## Working Groups

- Dataverse North
- Responsible Research Data Management Practices for Sensitive Data
- FRDR Service Model
- Institutional RDM Strategies





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

[Home](#) [Contact Us](#) [Français](#) 

[Training Resources](#)

[Communities of Practice](#)

[How to Manage Your Data](#)

[Infrastructure Platforms](#)

[Network of Experts](#)

[About Portage](#)

## THE PORTAGE NETWORK

Is dedicated to the shared stewardship of research data in Canada through:

- Developing a national research data culture
- Fostering a community of practice for research data
- Building national research data services and infrastructure

Launched in 2015 by the [Canadian Association of Research Libraries](#), Portage works within the library community to coordinate expertise, services, and technology in research data management, seeking to collaborate with other research data management stakeholders.

**Research data culture** represents widely shared values and principles for digital data management.

**A community of practice for research data** consists of stakeholders working collaboratively to ensure data are accessible to address complex research issues.

Research data management activities span sectors, domains, and jurisdictions, necessitating nationally coordinated research data management services and infrastructure.

> [Read more](#)


## DMP Assistant

[Sign In](#)

If you have an existing account with DMP Assistant or previous version of DMP Builder.

[Sign Up](#)

New to DMP Assistant? Sign up today.



**FRDR DFDR**  
FEDERATED RESEARCH DATA REPOSITORY  
DÉPÔT FÉDÉRÉ DE DONNÉES DE RECHERCHE

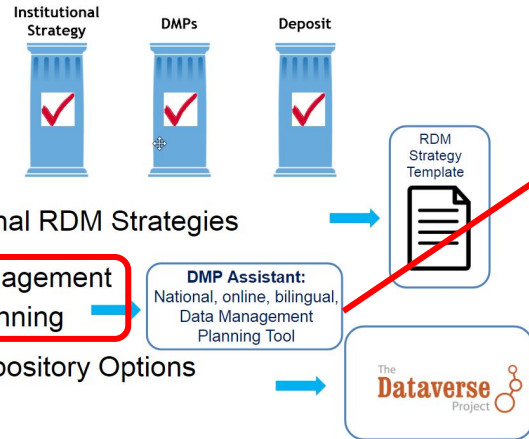
## NEWS

JULY 31, 2019

[Portage Progress Report for the Period of April – June 2019](#)

JULY 31, 2019

# Pillar 2: Data Management Planning



## Portage Expert Groups:

- Data Management Planning
- RDM Training

The screenshot shows the Portage website homepage. The header includes the Portage logo and navigation links: Home, Contact Us, Français. The main content area features a section titled 'THE PORTAGE NETWORK' dedicated to the shared stewardship of research data in Canada. Below this, there are three columns of text: 'Developing a national research data culture', 'Fostering a community of practice for research data', and 'Building national research data services and infrastructure'. A red circle highlights the 'DMP Assistant' sign-in and sign-up buttons. The footer includes a 'NEWS' section with a date of 'JULY 31, 2019' and a link to 'Portage Progress Report for the Period of April - June 2019'.

## portage

Shared stewardship of research data

Version française

Home About Help

DMP Assistant is a bilingual tool for preparing data management plans (DMPs). The tool follows best practices in data stewardship and walks researchers step-by-step through key questions about data management.

- Step 1 Sign up with DMP Assistant
- Step 2 Sign in and select a template under Organizations. The Portage template is the default.
- Step 3 Answer the questions that are relevant to your work. Guidance and examples are provided.
- Step 4 Revisit the tool throughout your research to review or revise your answers.

Sign in

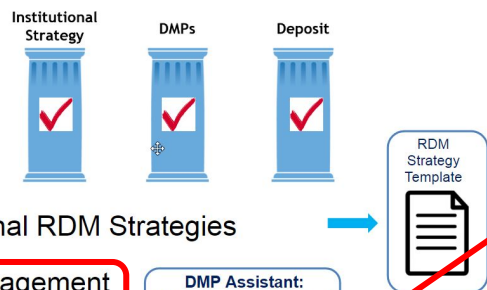
If you have an existing account with DMP Assistant or previous version of DMP Builder.

Sign up

New to DMP Assistant? Sign up today.

Please note that we are currently working on single sign-in authentication. For now, please create a new DMP Assistant account. You will have the option to link your DMP Assistant account to your campus ID when that feature becomes available.

# Pillar 2: Data Management Planning



## Portage DMP Expert Group

Co-Chairs:

**James Doiron (UofA)**

**Maggie Neilson (AcadiaU)**

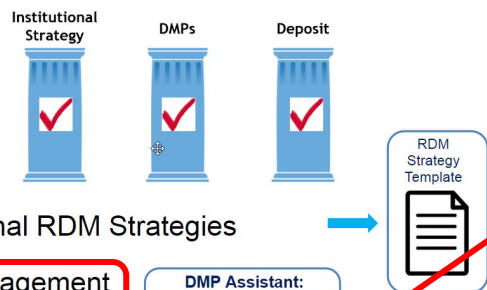
Four working groups:

1. Exemplars
2. Policy
3. Training
4. DMP Repository

## Objectives:

1. Guide development and growth of DMP Assistant
2. Provide tools that support best practices in research data stewardship and that promote a strong data culture in Canada;
3. Facilitate the sharing of research administrative information across research organizations and agencies;
4. Improve coordination among local and national research service organizations
5. Reduce administrative burden on researchers.

# Pillar 2: Data Management Planning



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# Pillar 2: Data Management Planning



✓ Institutional RDM Strategies

✓ Data Management Planning

DMP Assistant:  
National, online, bilingual,  
Data Management  
Planning Tool

✓ Data Repository Options

**DMP Assistant 2.0 is  
scheduled to be released in  
early 2020 - stay tuned!**

Pillar 2: Data Management Planning  
DMP Expert Group

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UNIVERSITY OF ALBERTA  
LIBRARIES

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