

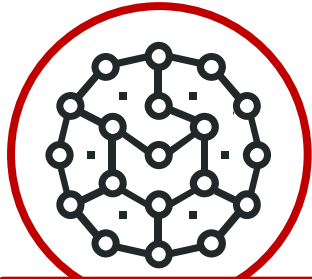


Data Management and a National DRI Strategy

National Data Services
Framework Summit



The Digital Research Infrastructure (DRI) Ecosystem



**Digital Network
for Research**



**Data
Management**



**Research
Software**



**Advanced
Research
Computing (ARC)**



Cybersecurity



**Highly
Qualified
Personnel**

Developing a DRI Strategy for Canada

- Budget 2018: **\$572.5 million over five years and \$52 million/year ongoing** to support the implementation of a Digital Research Infrastructure (DRI) Strategy
- The proposed goals of the Strategy include supporting a national DRI ecosystem for the academic research community that is:
 - World-class
 - Researcher-centric
 - Coordinated, streamlined, and efficient

Canada's Data Management Landscape

Research data management is highly distributed:

- policy and frameworks
- standards
- tools and services
- infrastructure
- training and culture
- int'l alignment

Many initiatives currently supporting data management across Canada and at different delivery levels, such as:

- **Local:** library support; institutional repositories and policies
- **Regional:** library consortia initiatives; provincial policies
- **National:** networks of experts; tools and services; frameworks
- **Discipline-specific:** tools and services; repositories; standards

Opportunities and Challenges

- Enabling open science widely and maximizing sharing and reuse of data requires a high degree of coordination across the landscape.
- Challenge in bringing the many distributed elements of data management together:
 - 1) The breadth and scope of the activities to consider and coordinate
 - 2) The difficulty in establishing an adequate level of cohesion and interoperability across institutions, regions and disciplines
 - 3) Defining and respecting roles and responsibilities

What We've Heard on RDM

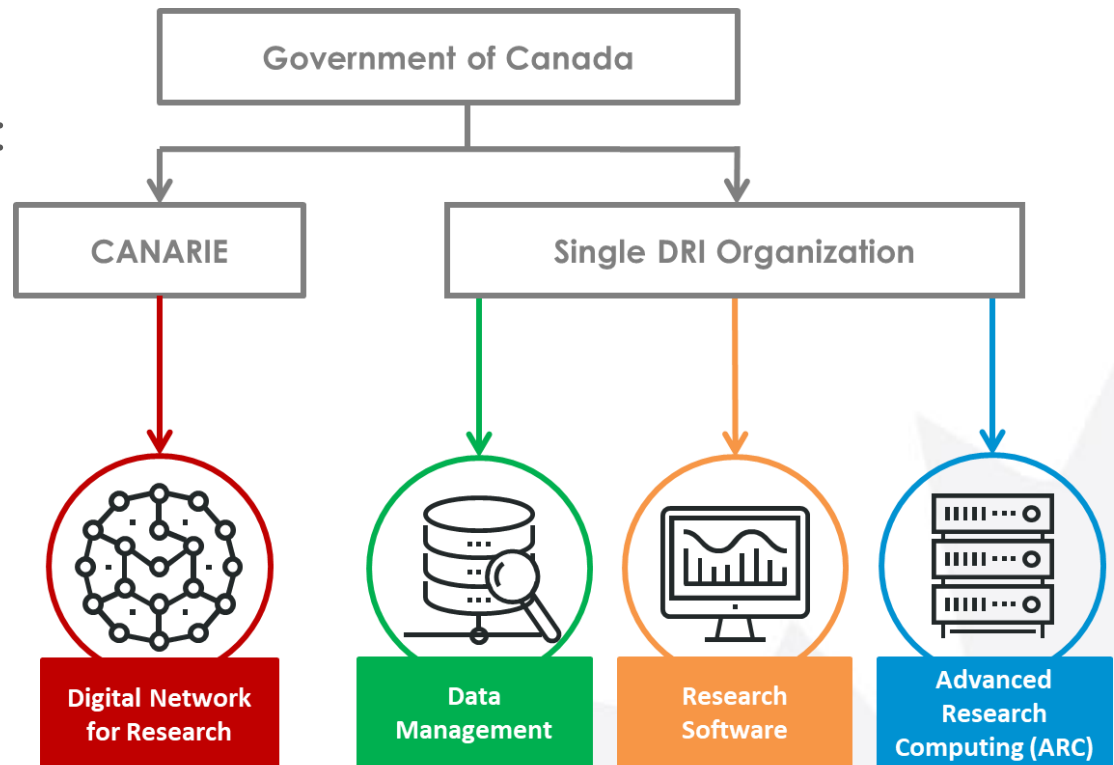
- National and regional initiatives have made great progress, but there is no organization with a comprehensive mandate or the resources to address this challenge at the appropriate scope or speed.
- Currently gaps in infrastructure and services needed to realize open science objectives; no organization has clear responsibility
- Need to keep up and integrate with international best practices and standards to support research collaboration

DRI Strategy

- Expected to be announced in the coming months

Proposed objectives include:

- Clarifying roles and responsibilities at the national, regional, and local levels
- Increasing federal responsibility for the national layer
- Improving coordination and strategic planning across the ecosystem



Expected Responsibilities for RDM National Layer

- Needs assessment, vision, and governance framework for research data management in Canada
- Maintain current momentum in the research data management landscape by leveraging and integrating (as appropriate) existing initiatives, infrastructure and services

Towards Implementation



- What actions can we take now to support the implementation of the forthcoming DRI Strategy?
- Researcher and RDM community input to assess the current landscape and identify gaps and opportunities
- Consider how stakeholders can continue to collaborate and combine their efforts