

RDC National Data Services Framework Summit

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RDC  **DRC**

Research Data Canada – Données de Recherche Canada

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Research Data Canada is supported by CANARIE, an organization dedicated to advancing Canada's knowledge and innovation infrastructure.



> **Vision**

Canadians have access to national and international collections of publicly-funded research data.





> **Mission**

Work with stakeholders to ensure research data is re-usable in support of innovation that benefits all Canadians.





> **“to make the fruits of research and scholarship better and available to all who need or want them.”**

Bosman, Jaroen et al. “The Scholarly Commons - principles and practices to guide research communication. <https://dx.doi.org/10.17605/OSF.IO/6C2XT>



Today's Definition of Data

- > Data used as inputs to, or produced as outputs from:
 - Industrial Data
 - Government Data
 - Research Data
- > *Facts, measurements, recordings, records, or observations about the world collected by scientists and others, with a minimum of contextual interpretation. Data may be in any format or medium taking the form of writings, notes, numbers, symbols, text, images, films, video, sound recordings, pictorial reproductions, drawings, designs or other graphical representations, procedural manuals, forms, diagrams, work flow charts, equipment descriptions, data files, data processing algorithms, or statistical records.*

CASRAI Dictionary. [Data](#). Accessed Sep 17, 2017.



Universities

Federal
Funding
Agencies

Federal
Research
Agencies

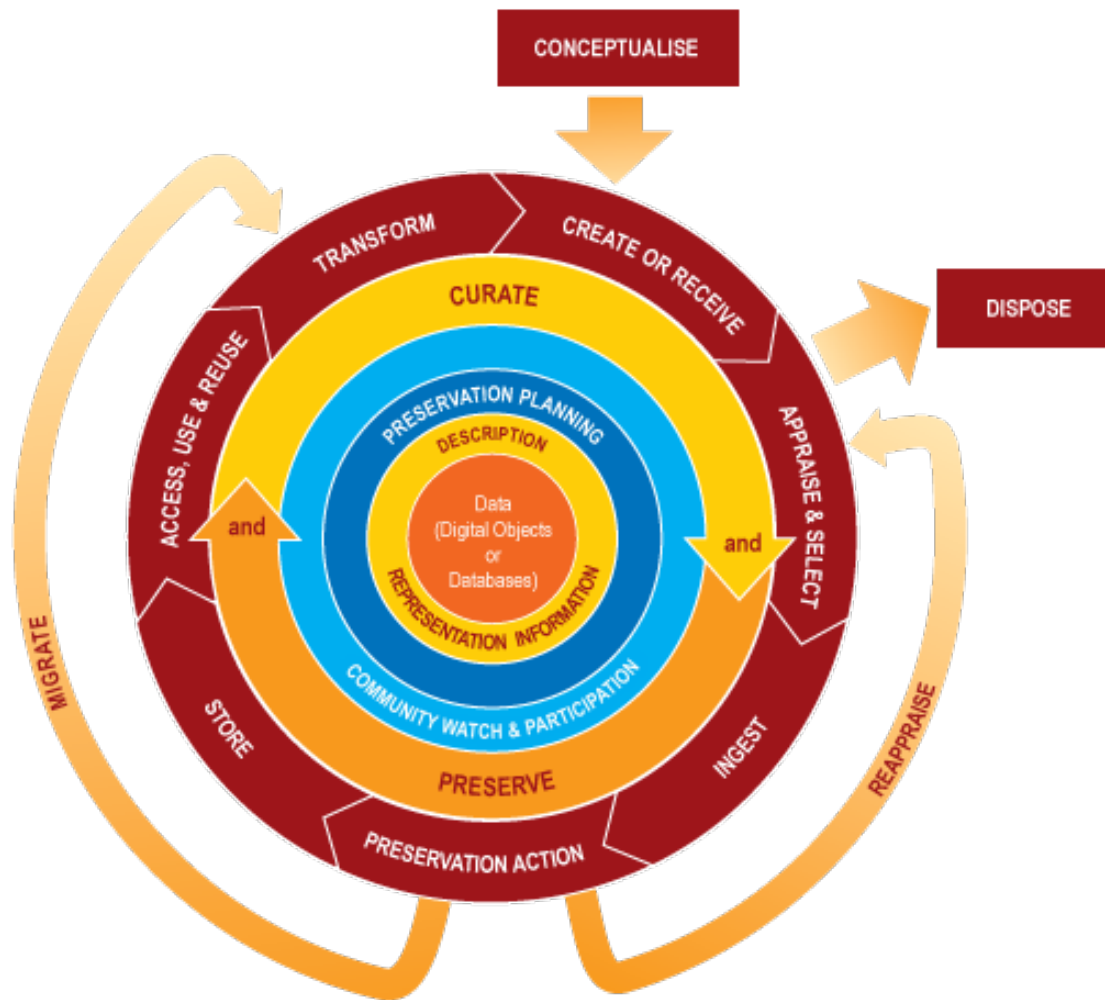
Provincial
Funding
Agencies

Provincial
Research
Agencies

Open Data
Organizations

Non-Profit &
NGO Research
Organizations

Commercial
Research
Organizations



International Agencies and Collaborators

The DCC Curation Lifecycle Model: <http://www.ijdc.net/index.php/ijdc/article/viewFile/69/48>.



National Data Services Framework

- > Term NDS common internationally
- > National Data Services Framework
 - A conversational context
 - A best-practices standards-based context
 - A suite of interoperable services and resources offered to, and supported at, a national level
- > For supporting stakeholders in conducting/supporting research and making research data open and FAIR

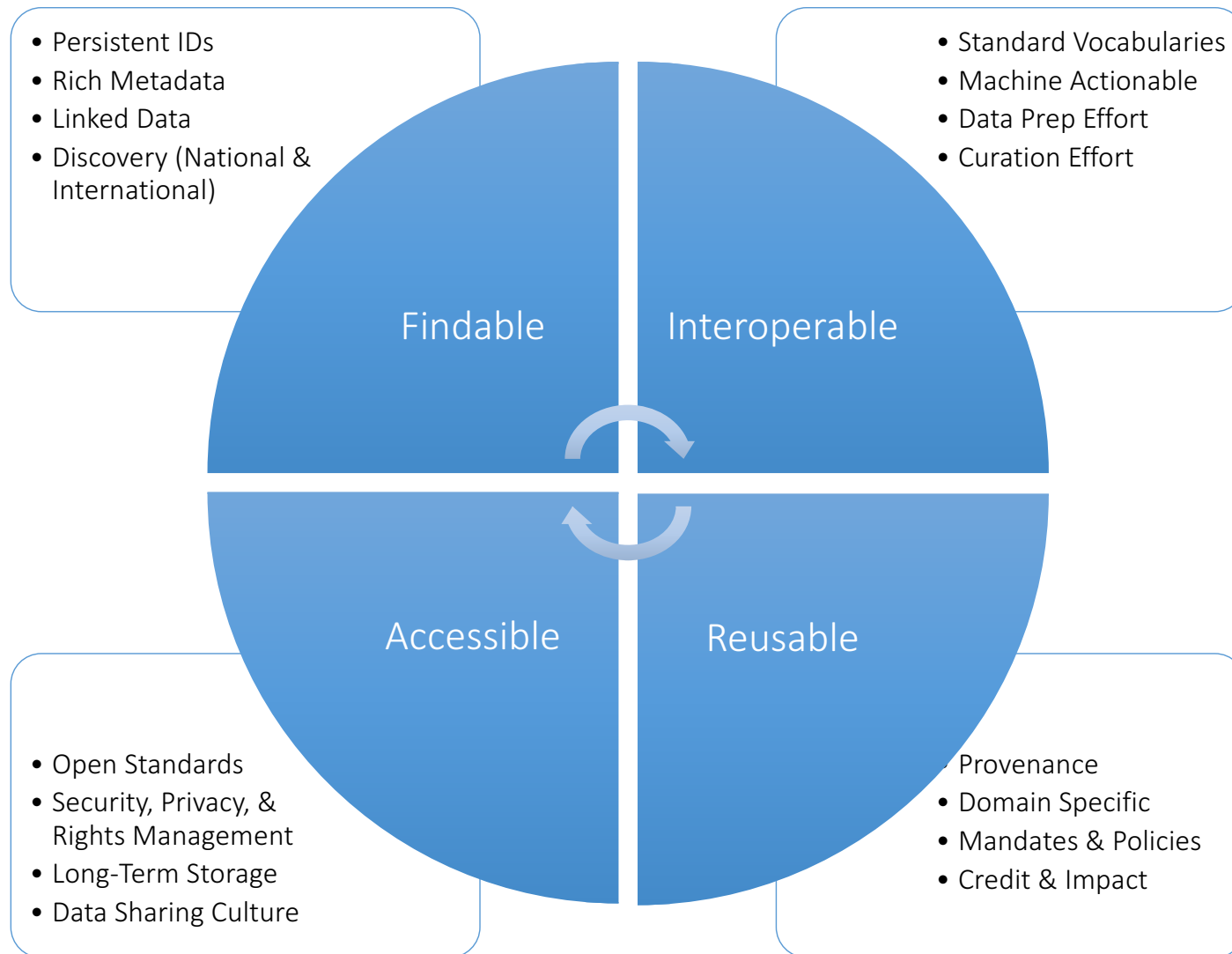


LCDRI Efforts

- > Leadership Council for Digital Research Infrastructure (LCDRI)
- > Prepared reports and recommendations for Industry Science and Economic Development re
 - Data Management
 - Advanced Research Computing
 - Coordination of the DRI Ecosystem
- > DM and ARC reports submitted end of August
- > Focus on supporting university-based research



FAIR Principles



CANARIE RDM Program

- > Funding of up to \$3.5 million to encourage innovation and advancement in provision of data management services/resources at the national level
- > Launch coming in early 2018
- > Call will use the FAIR Principles as the foundation
- > RDC's stakeholder community will provide direction and adjudication for the call



The Charge for Today

- > How can we collaborate at a national, multi-sectoral, multi-disciplinary level?
- > How can we bridge the silos and provide a better, more cost-effective national approach to stewarding all publicly-funded research in Canada?
- > How can we take bold steps, like the Wellcome Trust, or the European Union, in advancing a NDSF in Canada?



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