

What is RDC?

Mark Leggott, Executive Director | RDC Webinars | Jan 12, 2017

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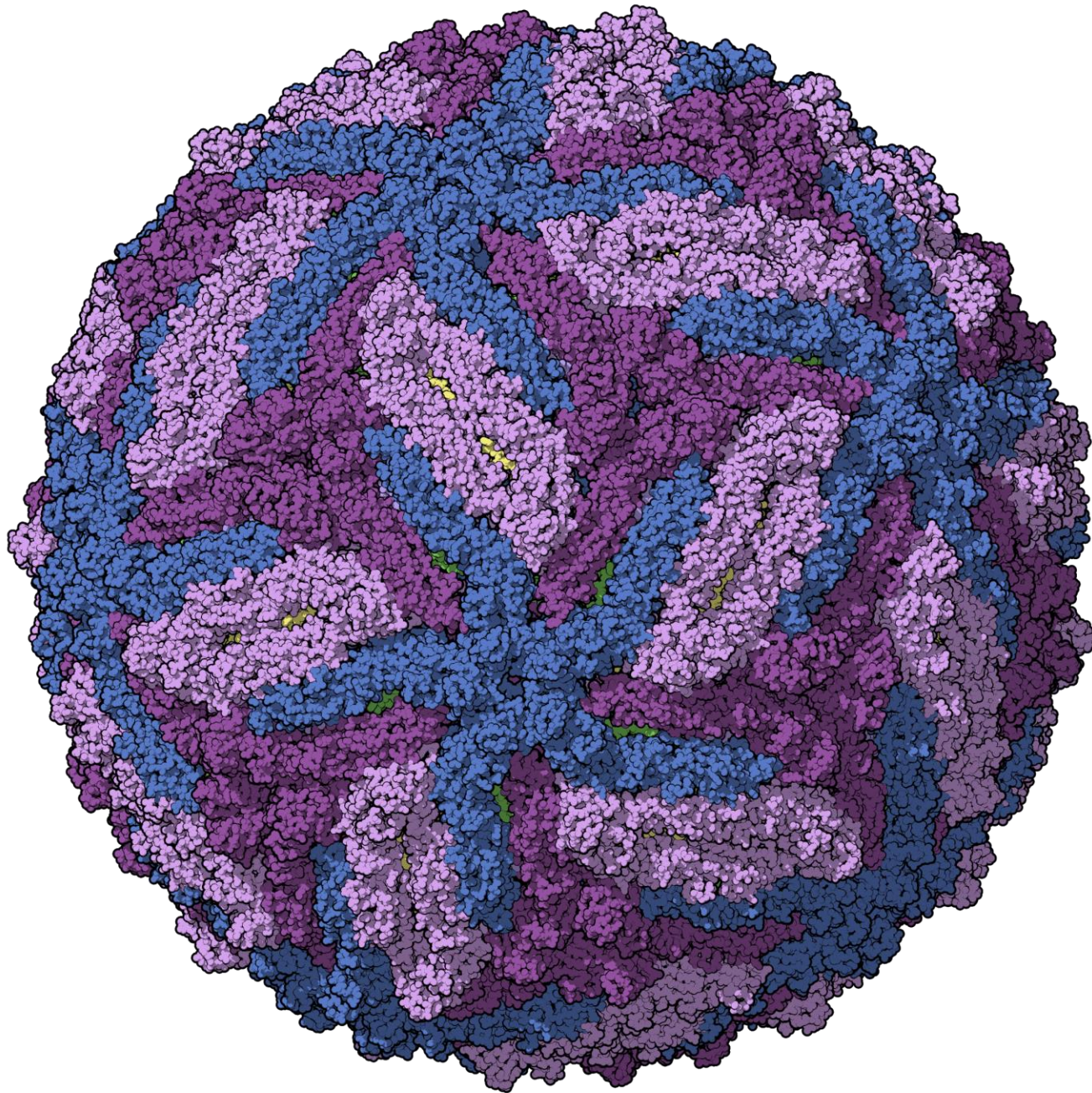
Research Data Canada – Données de Recherche Canada

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> Context





Thirty organizations, including scientific journals, nonprofit groups, and research institutes, announced jointly ... that they would share any data or results that could be helpful in fighting the spread of Zika.

Zika threat prompts sweeping scientific collaboration. STAT, Eric Boedman. February 10, 2016



...concerned that this lack of formal recognition could dissuade others from rapidly sharing data during an outbreak.

Zika-microcephaly paper sparks data-sharing confusion. Ewen Callaway, Nature: 12 February 2016.





Biden report identifies data as key to breakthroughs in Cancer Moonshot

Biden's moonshot cancer plan calls for more data sharing

Calling on Data Enthusiasts to Help Advance Cancer Research

Biden pushes cancer research data-sharing, threatens to pull funds from outliers



Biodiversity

- > OED: *Diversity of plant and animal life, esp. as represented by the number of extant species.*
- > Need to preserve species at risk...
- > somewhere in that biodiversity is the cure for...
- > Everything.



Dataversity

- > *Diversity of data and information, esp. as represented by the amount that is openly accessible.*
- > Need to preserve data at risk...
- > somewhere in that dataversity is the cure for...
- > Everything.



7 Reasons for Not Sharing Data

1. Will be disadvantaged in academic rat race
2. A researcher will “scoop” me using my data
3. Data may not be replicable
4. Another will come up with different results
5. Data is poor/in poor shape
6. The data is confidential
7. Technical challenges to sharing data

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4909097/>





“A closed book is but a block of wood.”

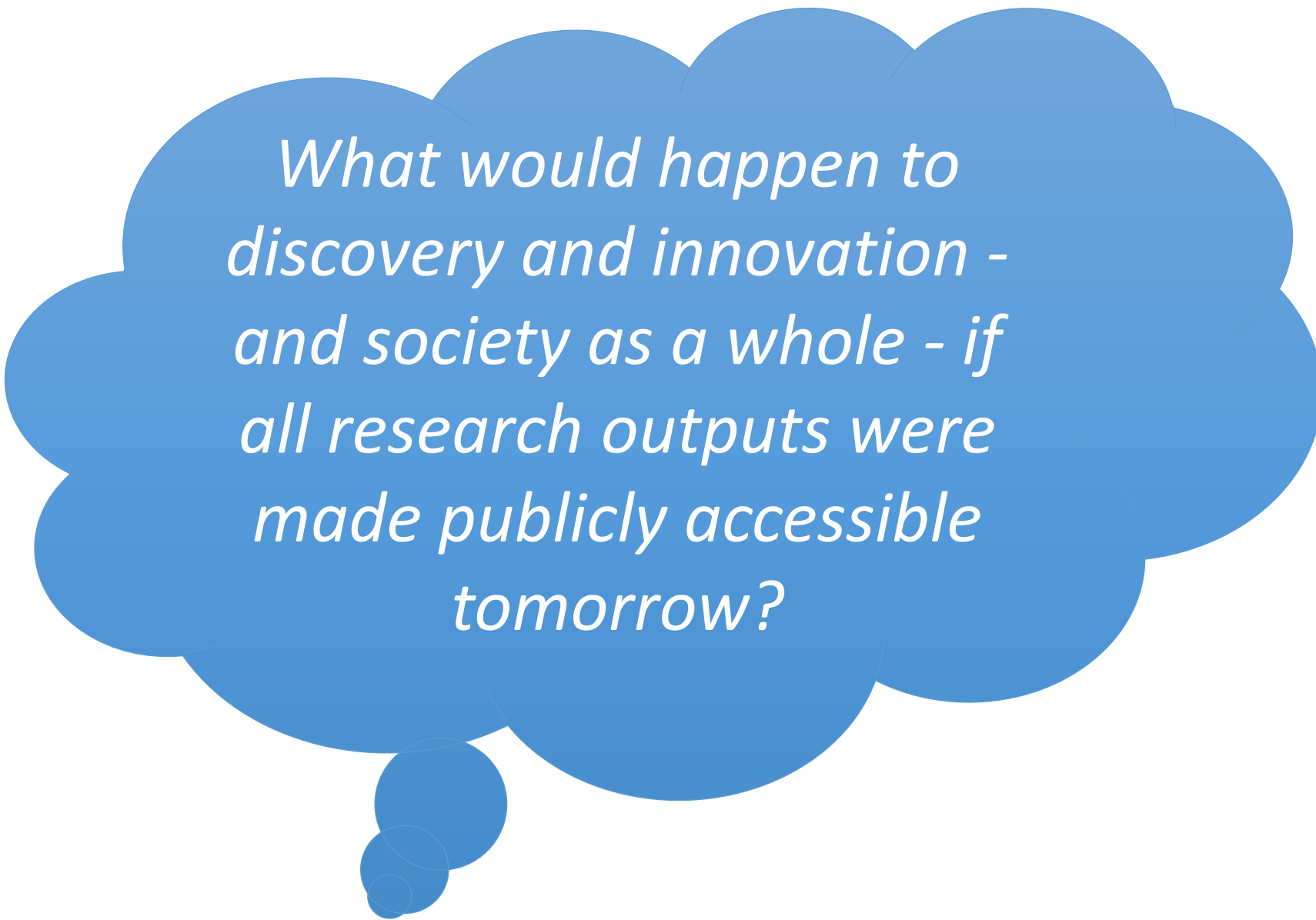
An inaccessible dataset is but a flash of electricity.





> **The Charge**



A large, blue, cloud-like thought bubble is centered on a white background. The bubble has several smaller, overlapping circles at its base, suggesting it is rising from a point of thought. The text inside the bubble is white and written in a cursive, italicized font. At the top of the slide, there is a decorative blue header with a binary code pattern (0s and 1s) on the right side.

*What would happen to
discovery and innovation -
and society as a whole - if
all research outputs were
made publicly accessible
tomorrow?*

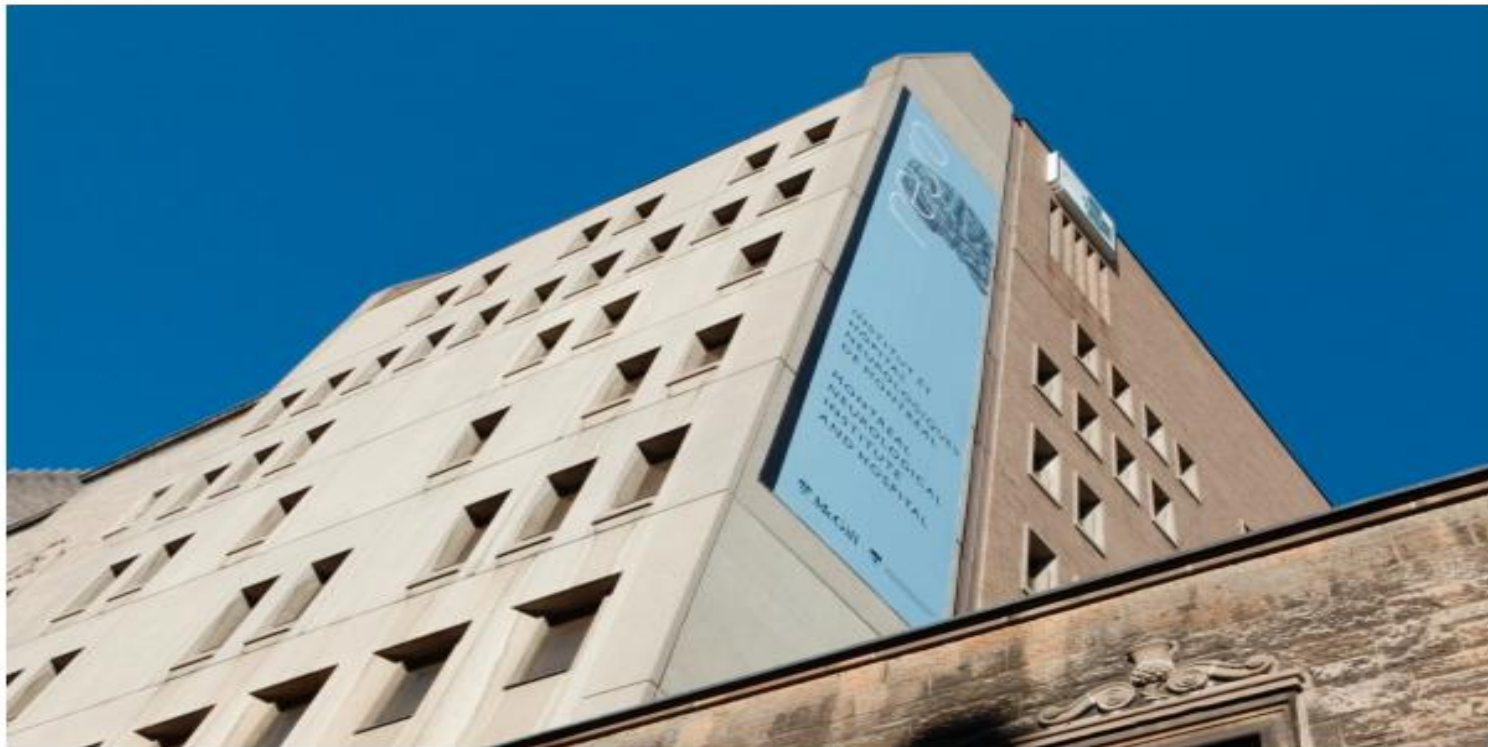


McGill

McGill Monthly

BROUGHT TO YOU BY MCGILL NEWS

A bold experiment in open science

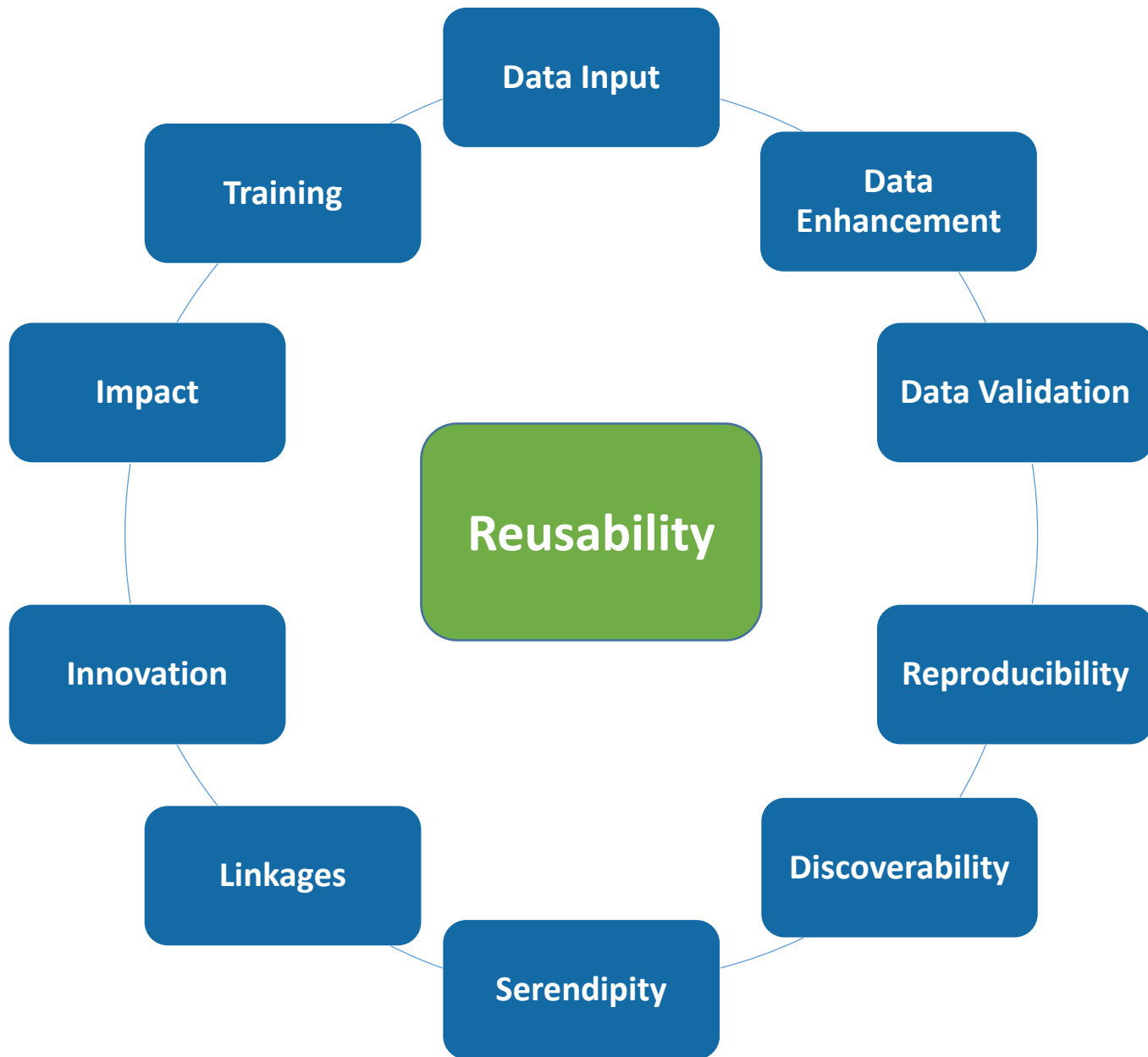


Montreal Neurological Institute director **Guy Rouleau** says that neuroscience isn't progressing quickly enough. He and his colleagues have decided to do something daring to shake things up – making all their research data widely available and forgoing patents on their discoveries. [Read more](#)

“If 100 people look at the data that I work with, some of them will be interested in different things than I’m interested in. It’s not that I don’t think I’m smart, but I have my own particular point of view. Other people looking at the same data would ask different questions than I would and that might lead to something new.”

Guy Rouleau, Director, Montreal Neurological Institute







> Research Data Canada



Development of RDC

> Initial effort to create RDC in late 2011

- Recommendation of Sep 2011 Data Summit
- Pam Bjornson initial Chair until 2016, NRC supported
- Steering Committee University and Federal

> CANARIE support in 2015

- RDC funding added to 2015-2020 mandate
- Walter Stewart provided Director role 2015-16
- Mark Leggott hired as first Executive Director in February 2016





> **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.



Strategy

- > Facilitate the development of a collection of integrated National Data Services that support researchers through all stages of the research lifecycle and promote compliance.
- > Focus on enabling activities – increasing stakeholder alignment, promoting support for data reusability and/or addressing gaps in enabling technologies.
- > Liaise with international RDM agencies/projects



Universities

Federal Funding Agencies

Federal Research Agencies

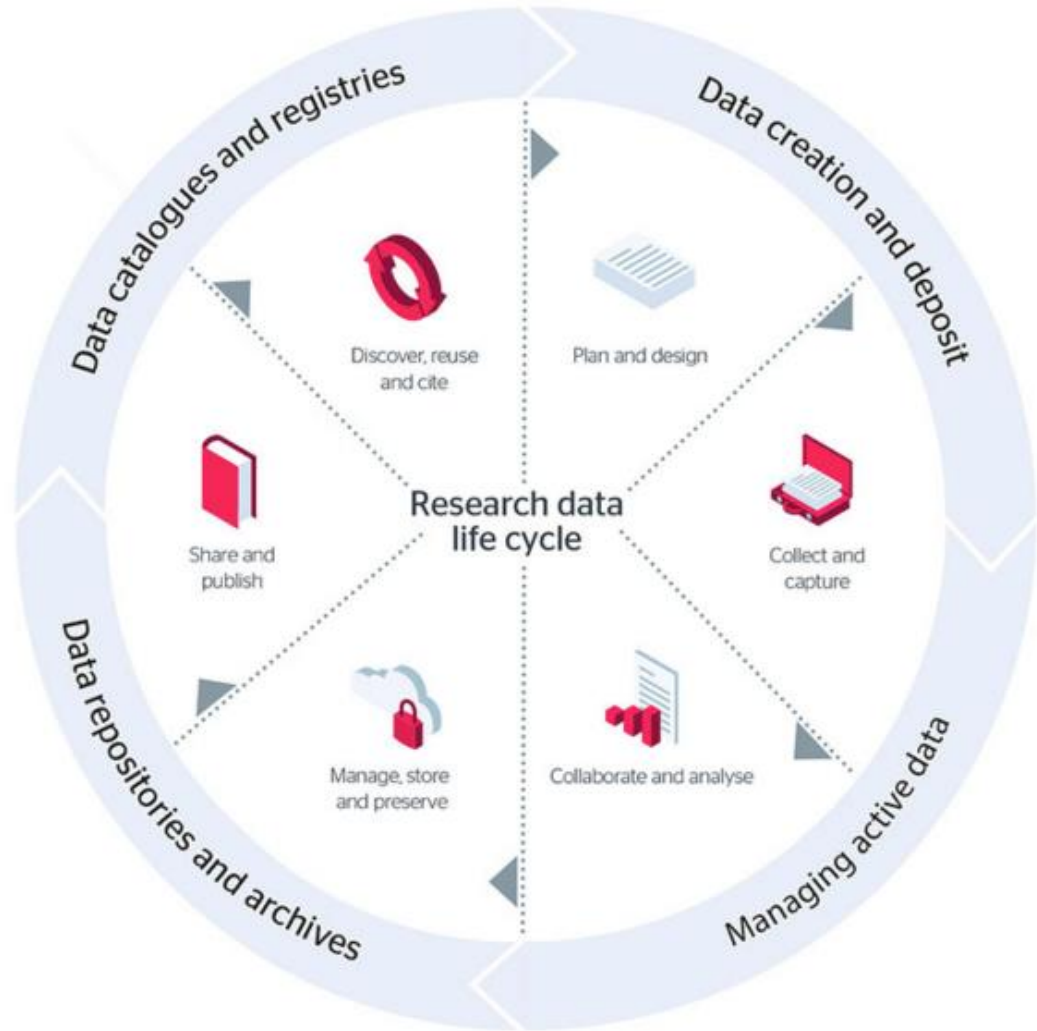
Provincial Funding Agencies

Provincial Research Agencies

Open Data Organizations

Non-Profit & NGO Research Organizations

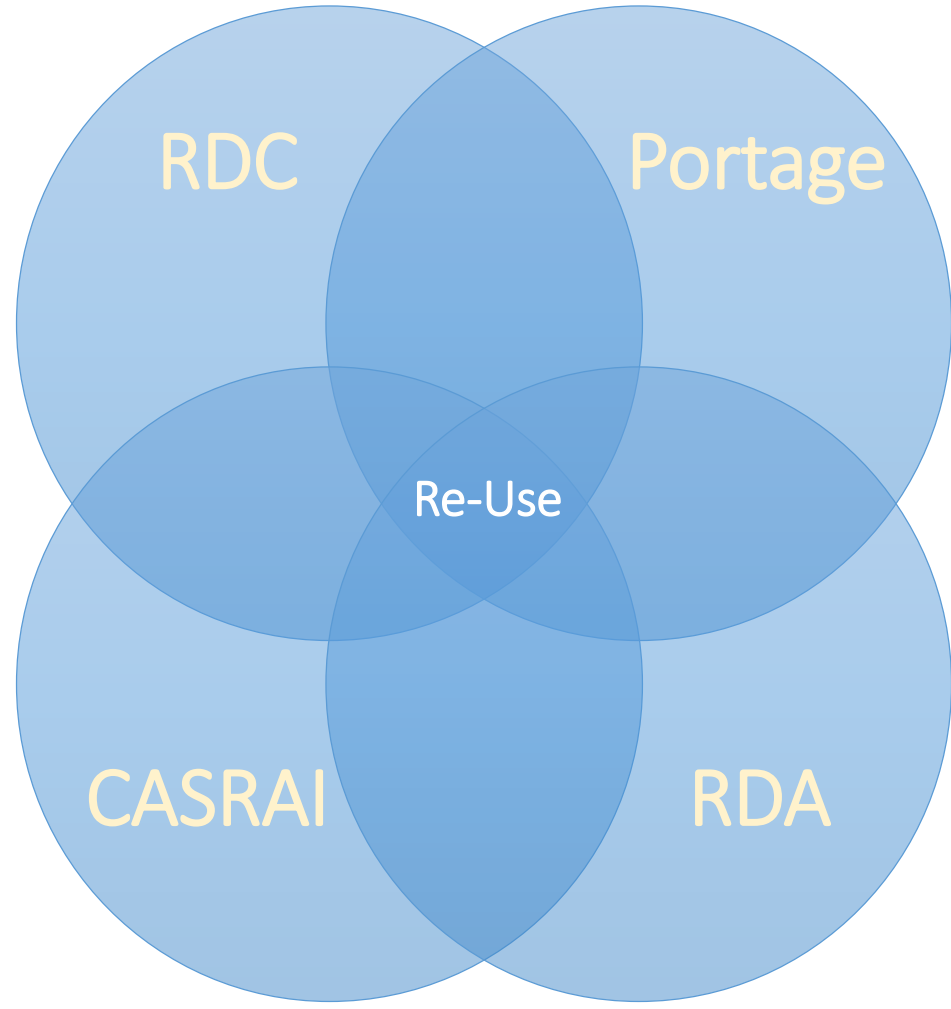
Commercial Research Organizations



Open Information

Research Data

ONC
 NRC
 COU
 ISED
 CARL
 ODC



CUCCIO
 LCDI
 CC
 CANARIE
 CAUL
 TC3+

Research Information

Open Data



Steering Committee

> Steering Committee

- Provides direction and guidance
- David Castle (VPR, U Victoria)
- Members from Funders, Higher-Ed, Non-Profit, Commercial
- Meet Quarterly to provide direction

> Focus for 2017 is to facilitate a conversation around the development of National Data Services



Standing Committees

> Standards & Interoperability Committee

- BP: Persistent IDs | BP: Data Deposit Guidelines | BP: Scholar Metadata | IRIDIUM RDM Glossary
- Focus on what standards and best practices would ensure a robust NDS and interoperability with international efforts – work closely with CASRAI

> Infrastructure Committee

- BP: National NDS Survey | BP: Requirements for a Canadian National NDS | Survey: RDM Capacity
- Focus on what the infrastructure requirements are for an accessible NDS – work closely with LCDI



Standing Committees

> Policy Committee

- BP: RDM Guidelines and Policy Templates | BP: Research Data Governance | NDS Governance Models
- Focus on approaches to governance for a NDS and one that intersects national, regional and provincial

> Communications, Outreach and Education Committee

- Website/Blogs/Webinars | ResearchLink RDM Ecosystem Map | Survey: Education/Outreach Activities
- Focus on national focus groups and sessions, including a National Data Summit in September 2017



Participating

- > Join RDC newsletter mailing list
- > Review RDC outputs and provide feedback
- > Participate in a Standing Committee and/or Working Group
- > Participate in RDC-hosted and other meetings to discuss RDM in Canada
- > Help build capacity for RDM in Canada



RDC DRC

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