Charting the course: Developing a roadmap of research priorities in the Canadian RDM landscape

Melissa Cheung\(^1\), Lyne Da Sylva\(^2\), Dylanne Dearborn\(^3\), Shahira Khair\(^4\), Kathy Szigeti\(^5\)

\(^1\)University of Ottawa; \(^2\) Université de Montréal; \(^3\) University of Toronto Libraries; \(^4\) University of Victoria Libraries; \(^5\) University of Waterloo

**Areas of Expertise**
- Development of training material for assessment and monitoring of Canadian RDM
- Roadmap Building
- Investigation of the current state of research priorities in RDM
- Development of guidance and tools to support training of a wide range of stakeholders
- Survey of existing services and applications to connect storage infrastructure for all points of the data lifecycle and for different disciplines
- Investigation of the current state of trusted digital repository certification of Canadian data repositories

**What is the Portage Network?**
Portage is a Canadian research data management (RDM) initiative assisting researchers and other stakeholders via a library-based network of experts. It develops national platforms and services for planning, preserving, and discovering research data. Portage is managed by the Canadian Association of Research Libraries.

**Network of Experts**
- Develops resources, expert advice, and practical help to assist with the management of research data
- Expertise is provided in English and French to anyone working in a Canadian university or research institution

**Areas of Expertise**
- Data Management Planning
- Data Discovery
- Curation
- Preservation
- Training
- Research Intelligence
- Institutional Planning
- Sensitive Data
- Data Repositories

**Research Intelligence Expert Group**
The Research Intelligence Expert Group (RIEG) provides intelligence on RDM in Canada through development and oversight of targeted studies designed to gather evidence.

**Roadmap Building**
A high-level roadmap was developed to identify key priorities and bridge gaps in our knowledge about RDM practices, developments, culture, and policies in Canada. RIEG does work in collaboration with other Portage expert groups.

The roadmap is intended to guide RIEG for the next two years.

**Taxonomy and Sources Reviewed**
To understand the current research landscape, RIEG members conducted an environmental scan focused on select outputs of regulatory, governmental, and professional bodies. Content and scope analyses of compiled sources were conducted through the application of a novel taxonomy developed by RIEG to support the description and organization of sources according to key subject areas.

1. The taxonomy was applied independently to each publication reviewed.
2. All classifications were conducted independently by two reviewers, with a third independent reviewer resolving any inconsistencies.
3. Subject areas and associated publications were examined through both Canadian and international lenses to understand the current RDM landscape, determine gaps and prioritize areas for further research.