

UXD of Research Data Management Microsite

By Jessica Gallinger

Research Data Management: Home

Research data management concerns the organization of data, from its entry to the research cycle through to the dissemination and archiving of valuable results. It aims to make the research process as efficient as possible, and meet expectations and requirements of the university, research funders, and legislation. (ULeicester)

GET STARTED

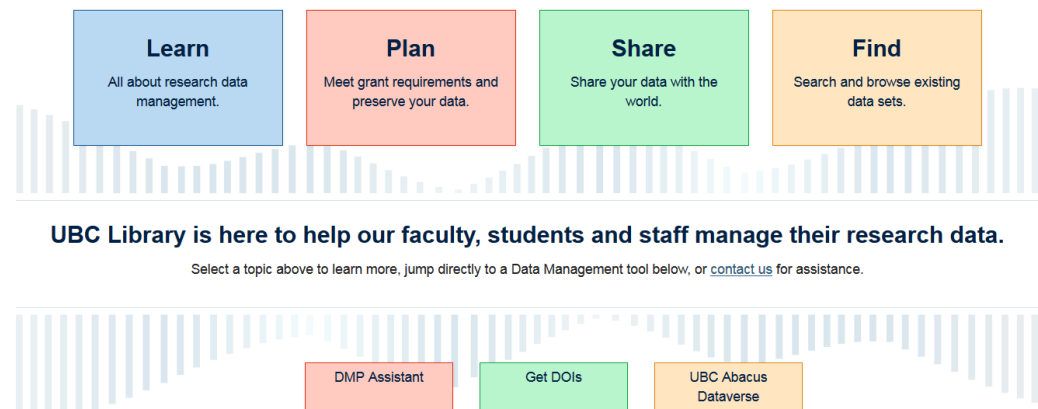
University of British Columbia



Peer sites

- University of British Columbia
- University of Alberta
- New England Collaborative Data Management Curriculum
- MANTRA Training (UEdinburgh)

Research Data Management



Research Data Management

Learn ^
Workshops and events
Research Data Discovery Manual
Our partners
CANLIB-DATA Listserv
Plan v
Share v
Find

Learn

Good research data management prevents data loss, keeps data secure and facilitates data sharing.

Research data is the **data created or generated as part of a research project** and exists in many formats including numeric data, text, transcripts, images, video and audio recordings. Research data management describes the activities researchers perform as they create and save their research data.

Learn more:

- [UBC Library DataGuide](#) (version 4.1, July 2016) – a quick guide we have developed to get you started on Research Data Management.
- [MANTRA Research Data Management Training](#) – online, self-paced tutorial aimed at PhD students and early career researchers. Solid introduction to issues and practices in research data management, with real life stories and scenarios. From our colleagues at the University of Edinburgh.

The UBC Library provides support for research data management, including:

- [locating and complying with funder\(s\) requirements](#)
- [managing your research data](#)
- [preserving your data](#)

Existing research guide

Library Search

Research data management: top links

[Home](#)[Data management planning](#)[Data management FAQs](#)[Depositing data + Research Data Repository Radar](#)[Home](#) / [Help](#) / [Publish](#) / [Research data management](#)

Home: Research data management services + Research Data Repository

Tri-Agency Statement of Principles on Digital Data Management

"The agencies believe that research data collected with the use of public funds belong, to the fullest extent possible, in the public domain and available for reuse by others."

Researchers are responsible for:

- incorporating data management best practices into their research;
- developing data management plans to guide the responsible collection, formatting, preservation and sharing of their data throughout the entire lifecycle of a research project and beyond;
- following the requirements of applicable institutional and/or funding agency policies and professional or disciplinary standards;
- acknowledging and citing datasets that contribute to their research; and
- staying abreast of standards and expectations of their disciplinary community

Institutions are responsible for:

- providing their researchers with an environment that enables world class data stewardship practices;
- delivering, or supporting access to, repositories or other platforms that securely preserve, curate and provide continued access to research data;
- supporting researchers in their efforts to establish and implement data management practices that are consistent with ethical, legal and commercial obligations, as well as tri-agency requirements, including the [Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans](#) – 2nd edition, the [Tri-Agency Framework: Responsible Conduct of Research](#) and other relevant policies;

Research initiatives

- 16 survey respondents: graduate students + post-docs from the natural, physical, and social sciences
- A few interviews with colleagues and a graduate student.

Research Data Management

This survey should take ~ 5 minutes to complete. It will ask you about your knowledge of research data management (RDM) practices. It may be used to design new resources that promote the success of graduate students.

What is the worst part of using your data? (16 responses)

Remembering which article/author said what.

Collecting and normalizing data from "the wild" (which in my case is primary source texts)

Organizing and presenting it

Lots of missing data due to poor onsite collection

I don't have a problem with using my data

None

Many copies of the "same" file

storage

Because I work with sensitive human data (identifiable genetic information), I'm unable to freely share the data I work on. There are methods for disseminating the data in a controlled manner, but these are significantly more cumbersome than for uncontrolled data.

remembering naming conventions. having too much data.

Doing the same thing multiple times due to poor organization

getting access to it was hard (industry data)

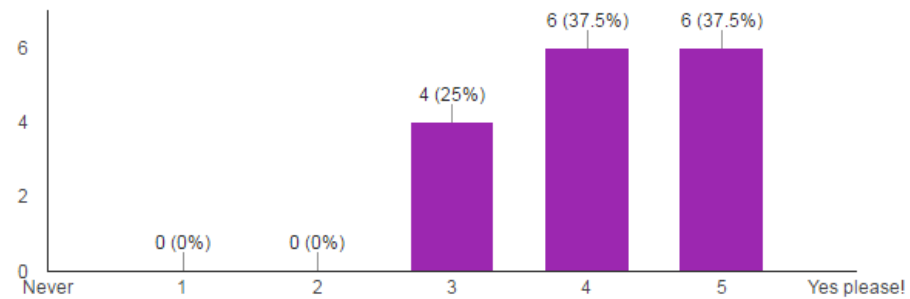
Going back to find a data after week or moth of its first generation

Organizing my data

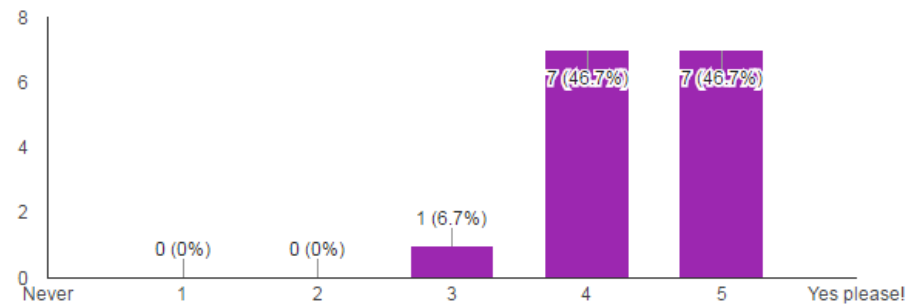
transferability to other projects

Data Cleaning

Would you attend a workshop on research data management? (16 responses)



Would you use a web application for research data management? (15 responses)



Feature List

Must have

- RDM organized into modules
- Modules associated with symbolized tasks, content, external resources

Nice to have

- Google calendar with activity-a-week for new research projects
- Feedback system for improving content
- Gamification theme
- Scrolling RSS feed of Radar records on 'share' page

- Download options for progress tracking (i.e. PDF for research binder with task checkboxes)

Not needed

- External sites embedded, i.e. Radar metadata fields
- Login options to save progress through modules
- Backend with content for liaison librarians, i.e. instructional material
- Radar deposit badge for new co-curricular record with RC

Early prototype

RDM top links	Home / About / Branches + departments / Research Commons / Research Data Management	
Book a consultation	Research Data Management : Home	
Funding requirements		
ACCESS		
Open		
Licensed		
ORGANIZE		
Plan		
Document		
Version		
SECURE		
Encrypt		
Format		
Backup		
SHARE		
Publish		
Preserve		
Ethics		
Search within RDM		
<input type="text"/>	<input type="button" value="Q"/>	
External sites		
→ Radar		
→ Portage DMP		
→ Abacus		
→ re3data		
Book a consultation		

Features

[RADAR IMAGE]

Radar

LEARN MORE →

News and events

Event

DATE

Event

DATE

Usability testing

- 5 users: Faculty (2), Librarians (2), Grad students (0), Programmers (1)
- Scenarios were generated based on:
 - Survey results re: the worst part of data management
 - Expertise of colleagues on hot topics
 - Basic navigation tasks

Usability findings

- Home page button needed.
- New “structure” under organize as important topic.
- Landing pages for subject pages needed.
- Licensed vs. open data not a meaningful distinction.
- Inclusion of the word “data” is needed.
- “Get Started” button for novice users.

Late prototype

RDM top links

[Book a consultation](#)

[Funding requirements](#)

ACCESS DATA

ORGANIZE DATA

Plan

Document

Structure

Version

SECURE DATA

Encrypt

Format

Backup

SHARE DATA

Publish

Preserve

Ethics

Search within RDM

Q

External sites

[-> Radar](#)

[-> Portage DMP](#)

[-> Abacus](#)

[-> re3data](#)

[BOOK A CONSULTATION](#)

Home / About / Branches + departments / Research Commons / Research Data Management / Home

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[GET STARTED](#)

Features

Science Literacy Week

Science Literacy Week is a national celebration of science -- check out what's happening here!

[LEARN MORE ->](#)



News and events

[Science Literacy Week kicks off at SFU Library, September 19th](#) [SEPTEMBER 19-25](#)

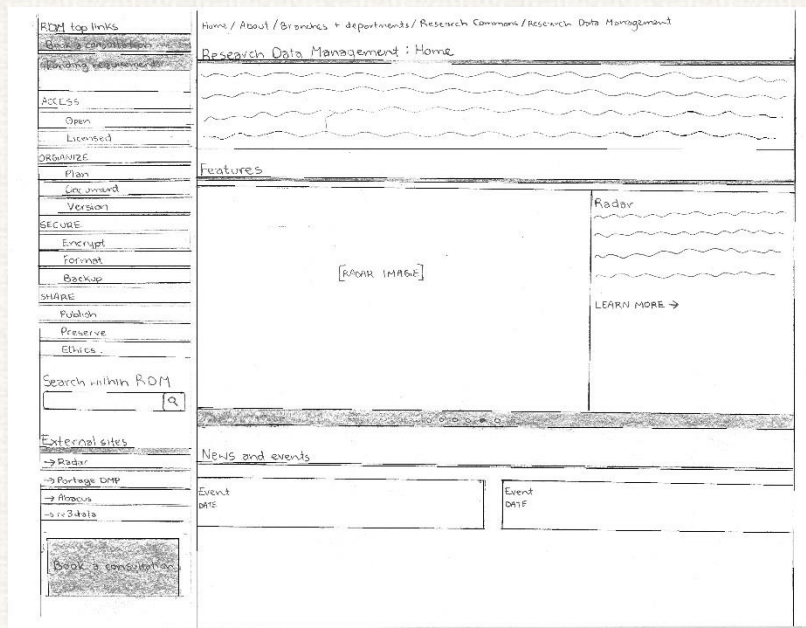
[GSS Open Access Award 2016](#) [APPLY BY OCTOBER 14!](#)

[more ->](#)

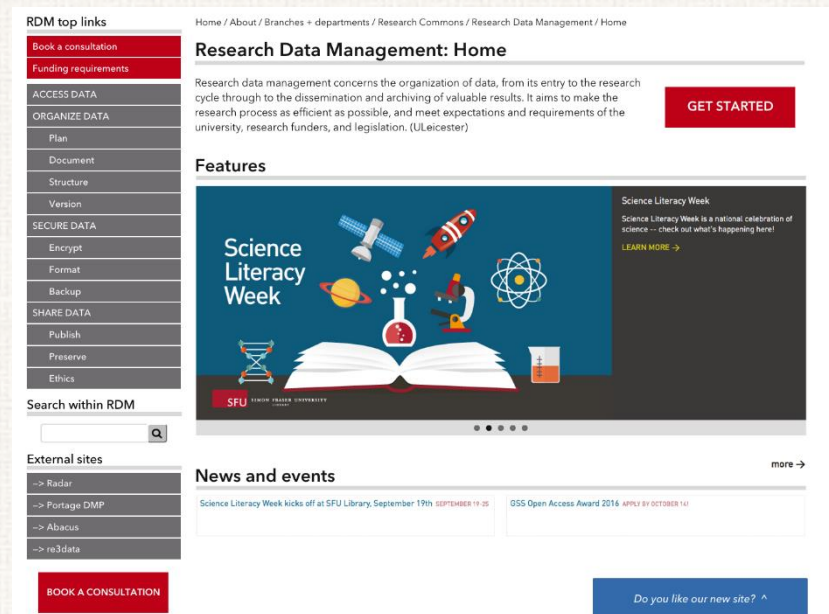
[Do you like our new site? ^](#)

Gratuitous prototype comparison...

Early prototype



Late prototype



Future directions

- Test with high-fidelity prototype (i.e. colour).
- Create a RDM workshop template for Features.
- Create icons to use in curriculum pages so they feel less text-heavy.
- Test order of subpages to set strategically.
- Test across disciplines to find usage differences.
- Build the rest of the site's content in Sketch.

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