

Research Data Management at the University of Alberta

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Background

Foundation:

Research Data Centre
Data Library

Research data expert(s)

Extensive network of partnerships and contacts









RDM: Moving from abstract problems to concrete solutions

- Where we are ⇒ where we want (or need) to be
- Policies, infrastructure and people will help us get there
- A culture of data stewardship will indicate we have arrived

"Researchers at the University of Alberta and the Institution share responsibility for the stewardship of the research records created, acquired, managed and preserved. Good stewardship procedures will ensure that research records [incl. research data] are managed and preserved for future scholarship, that research findings can be verified and that confidential, personally identifying, identifiable and/or sensitive information is appropriately safeguarded."

Policy: Research Records Stewardship Guidance Procedure; Appendix A: Research Records Management and Preservation Guidelines (2013)

Infrastructure

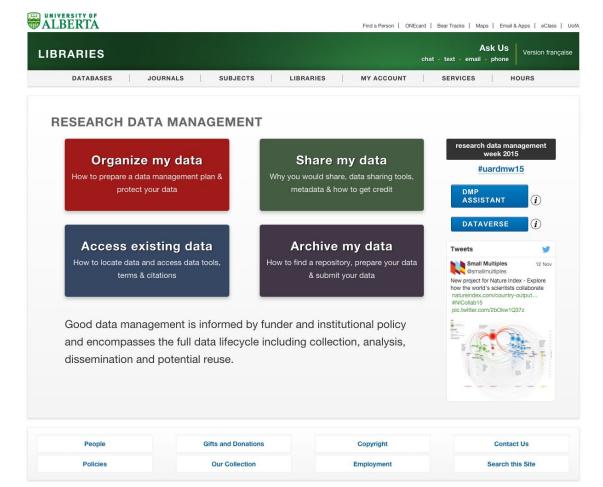
To support:

Organization

Access

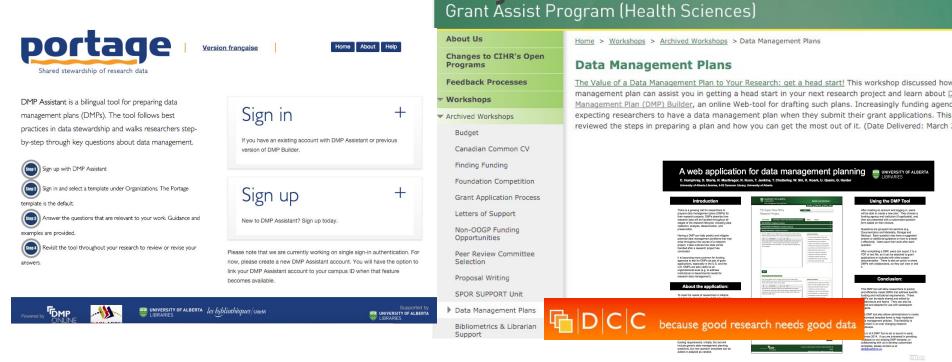
Sharing (Credit)

Archiving



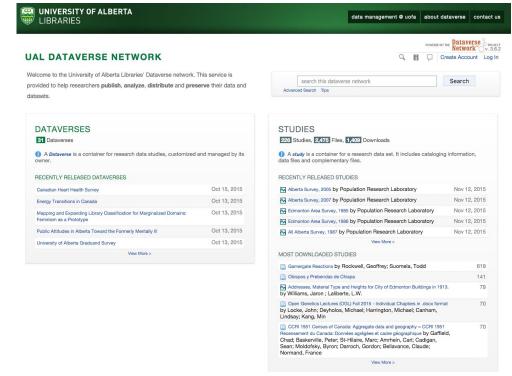
Web Site Privacy Policy

Tools: DMP Assistant (formerly DMP Builder)



Implemented DMPonline software for UA community in July 2014 with an open offer for others to make use of the tool

Toolkit - Dataverse



Dataverse Network Dataverses Dataverses Collections of Studies Cataloguing Information Label Files Information Labe

Adapted from: http://www.dlib.org/dlib/january11/crosas/01crosas.htm



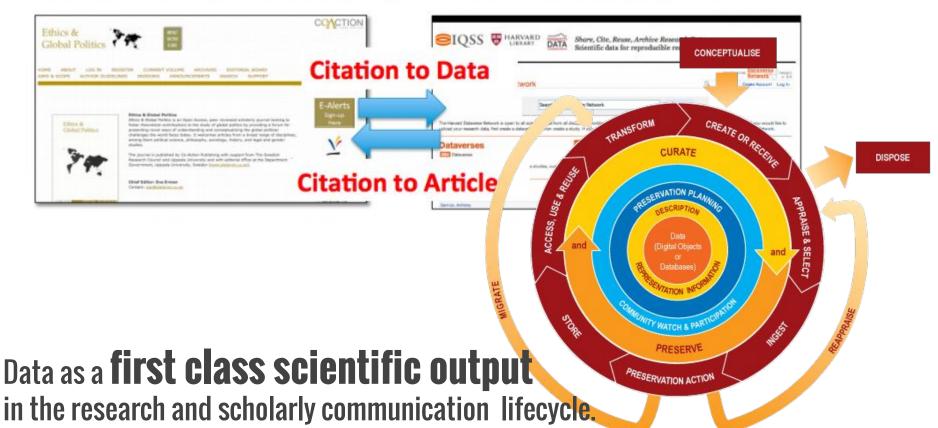
Launched in March of 2014, the Univ of Alberta's Dataverse is one of three implementations in Canada (see UBC and Scholars Portal/OCUL). Dataverse represents an example of a growing global network.



Global view of locations where users are accessing the UAL Dataverse repository.

PKP's Open Journal System (OJS)

Harvard Dataverse Network



Toolkit: Repositories

Keep it.

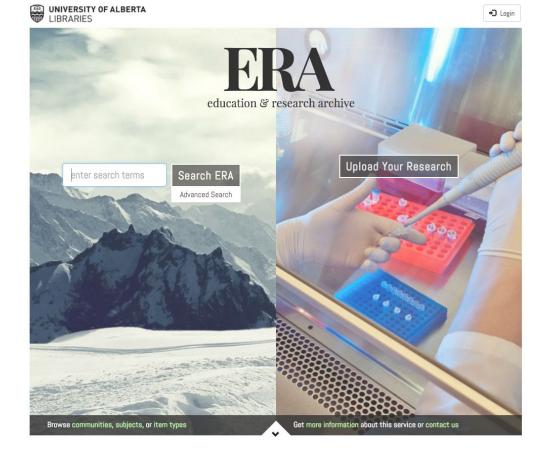
Share it.

Use it.



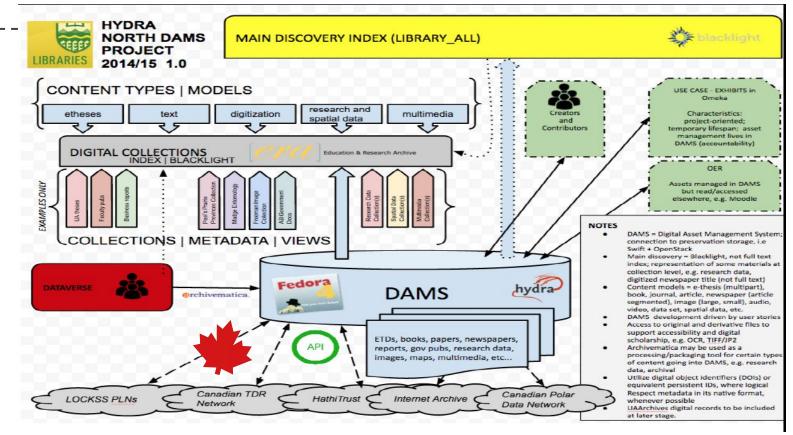
Get ahead on your repository.

Multi-Purpose Repository Solutions Flexible User Interfaces Durable Digital Asset Management





Toolkit - Digital Asset Management System (Education and Research Archive repository)



Health Research Data Repository (Nursing) HRD



- Secure virtual research environment (VRE) for housing and managing both qualitative and quantitative health research data and metadata throughout their lifecycle
- Provides data management guidance and educational opportunities to researchers and their team
- Provides secure transferring and remote access to research data
- Provides a regular suite of qualitative and quantitative analytic software
- Supports and promotes health research and multidisciplinary collaboration
- Clearly operationalized policies and procedures, with user orientation process
- Centralized transcribing service
- Promotes secondary use and re-purposing of research data

Shifting Cultures - Research Data Management Week

RESEARCH DATA MANAGEMENT WEEK PLENARIES

The Perils and Prospects of Digital Scholarship in 21st Century Canada

Ted Hewitt: President, Social Sciences and Humanities Research Council

Monday May 4, 10am-11am - ECHA 1 498

Virtual Research Environments and the Management of Data: The Case of Semantic Collaborative Corpora Analysis

Christoph Schindler

Tuesday May 5, 12-1pm - ECHA 1 498

Large Data Transfers and Mirroring: Technologies and Their Implications

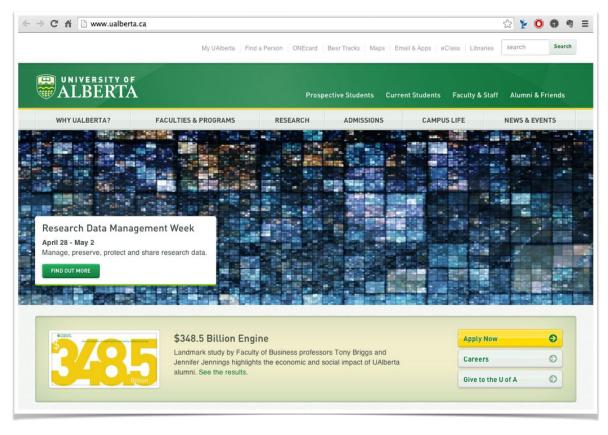
Paul Lu: Computing Science, University of Alberta

Wednesday May 6, 10am-11am - ECHA 1 498

Dealing with the Crowd: Managing Data from Citizen Science and Crowdsourcing Projects

Todd Suomela, Elisabeth Beaubien, Justine Kummer

Friday May 8, 1-2pm - ECHA 2 150



Support for digital scholarship and data stewardship

Recent examples:

- KIAS CRAfT grant
- Data purchase program
- Canadian Polar Data Network (CPDN), Canadian High Arctic Research Station (CHARS)

The ice cores cometh

- Ice Core Archive
- Cloud to local preservation, e.g. genomics, civil engineering
- Preservation & stewardship
 - Canadian Writing Research Collaboratory

Library Human Resources

- RDM identified as top 3 priority of the Libraries
- Digital Initiatives unit metadata, repositories, digital preservation, data curation, spatial data, HuCo, digitization, etc.
- raising skill level of all librarians
 - awareness and advocacy
 - o training
 - direct support, e.g. DMPs, metadata, archiving, sharing

Building capacity - expertise and knowledge



CLIR/DLF Postdoctoral Fellows in Data Curation

Health & human subject data (2013-2015)

Web archiving & digital scholarship (2014-2016)







Towards a better understanding of value and cost

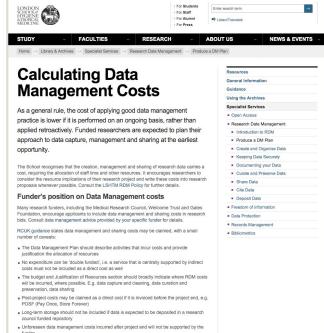


David Rosentha

OF THE INDIRECT ECONOMIC

DETERMINANTS OF DIGITAL CURATION T4.2—DRAFT ECONOMIC Economic Model of Long-Term

Add commen





library.ualberta.ca/researchdata

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