

Research Data Management at the University of Alberta

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Strategic Workshop for Research Data Management Sponsored by Research Data Canada and University of Alberta Council Chambers, University of Alberta November 17, 2015

Background

Foundation:

Research Data Centre (2001) Data Library (1992)

Research data expert(s)

Extensive network of partnerships and contacts e.g. DLI (1996), DDI Alliance (2007), Canadian Polar Data Network (2010)









RDM: Moving from abstract problems to concrete solutions

- Where we are \implies 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

ALBERTA

Find a Person | ONEcard | Bear Tracks | Maps | Email & Apps | eClass | UofA

LIBRARIES									chat	Ask Us - text - email - phone	version trançaise
DATABASES	1	JOURNALS	l	SUBJECTS	l	LIBRARIES	1	MY ACCOUNT	1	SERVICES	HOURS

RESEARCH DATA MANAGEMENT

Organize my dat		Share my data	research data management week 2015 <mark>#uardmw15</mark>		
How to prepare a data managemer protect your data		ou would share, data sharing tools, metadata & how to get credit	DMP ASSISTANT	i	
Access existing d	ata	Archive my data	DATAVERSE	<i>i</i>	
How to locate data and access dat terms & citations	s informed by funder		Small Multiples New project for Nature Inde how the world's scientists of natureIndex.com/country-of NICollab 15 pic.twitter.com/2bOkw1Q3	ollaborate	
nd encompasses the full issemination and potentia		ng collection, analysis,			
People	Gifts and Donations	Copyright	Contact	Us	

Web Site Privacy Policy



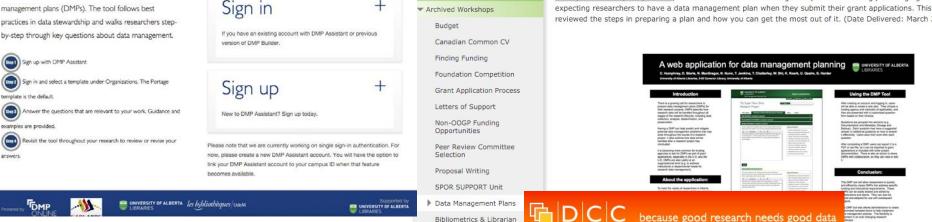
My UAlberta Find a Person ONECard Bear Tracks Maps Email & Apps eClass Libraries Tools: DMP Assistant (former Grant Assist Program (Health Sciences)

About Help



Version française

DMP Assistant is a bilingual tool for preparing data management plans (DMPs). The tool follows best by-step through key questions about data management.



Bibliometrics & Librarian

About Us

Programs

Workshops

Changes to CIHR's Open

Feedback Processes

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

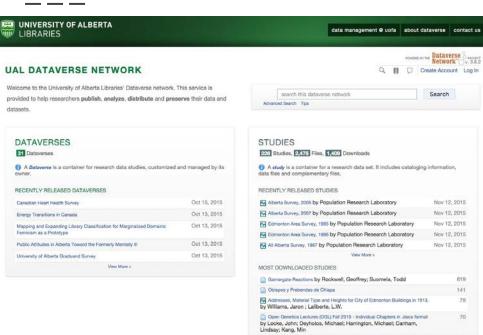
Home > Workshops > Archived Workshops > Data Management Plans

The Value of a Data Management Plan to Your Research: get a head start! This workshop discussed how management plan can assist you in getting a head start in your next research project and learn about D

Management Plan (DMP) Builder, an online Web-tool for drafting such plans. Increasingly funding agence

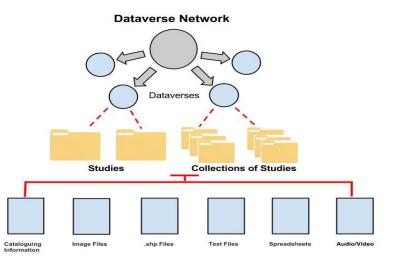
Data Management Plans

Toolkit - Dataverse



CHR 1951 Census of Canada: Aggregate data and geography = OCR1 1951
Hearmannet of Canada: Dorshes appropriates us toget appropriate by Selfitold,
Chad; Baskerville, Peters; St-Halare, Marc; Arnthein, Card; Cadigan,
Sean; Moldiothy, Byron; Darroch, Condon; Bellevanne, Caduge,
Normand, France
Vers Mars >

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



Dataverse Repositories

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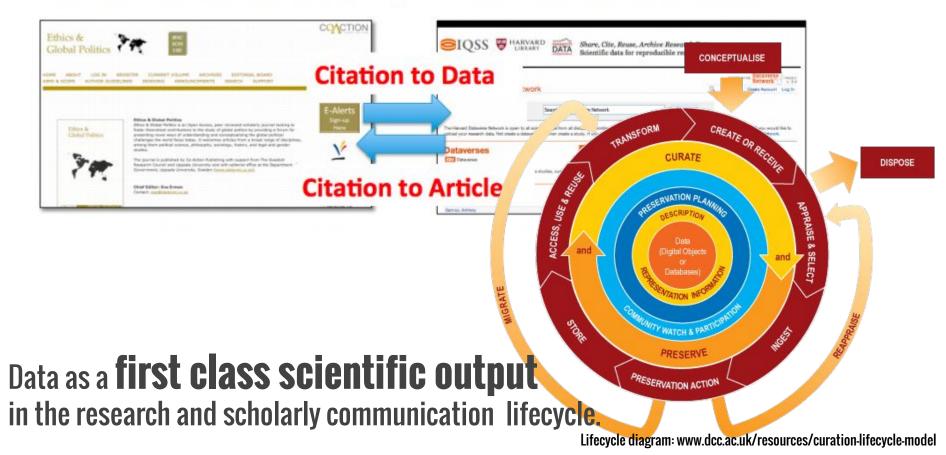
Launched in March of 2014, the Univ of Alberta's Dataverse is one of three implementations in Canada (see UBC and Scholars Portal/OCUL). Dataverse represents an example of a growing global network.



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

PKP's Open Journal System (OJS)

Harvard Dataverse Network

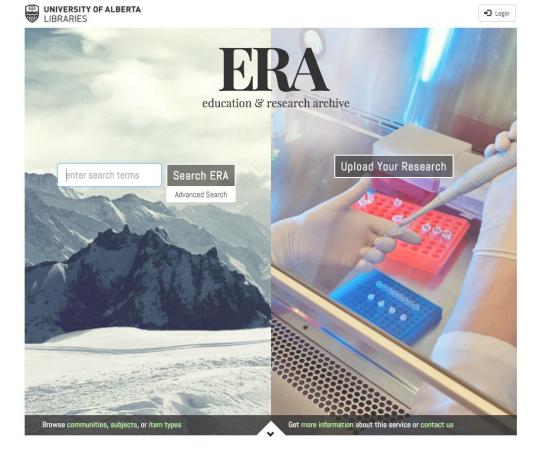


Toolkit: Repositories

Keep it.

Share it.

Use it.





Get ahead on your repository.

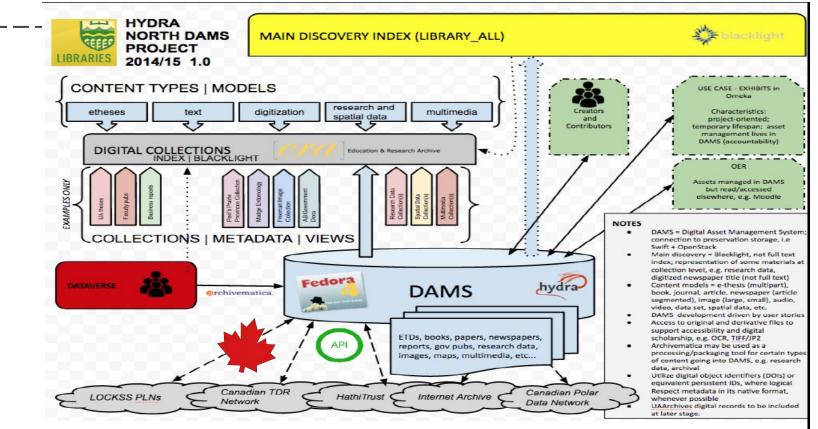
Multi-Purpose Repository Solutions Flexible User Interfaces Durable Digital Asset Management



Keep it. Share it. Use it. Welcome to University



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



Health Research Data Repository (Nursing)

- **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

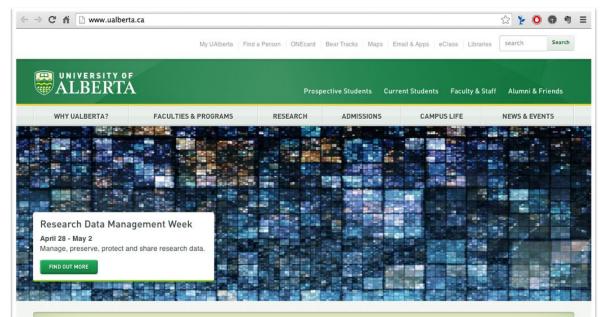
Paul Lu: Computing Science, University of Alberta

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





\$348.5 Billion Engine

Landmark study by Faculty of Business professors Tony Briggs and Jennifer Jennings highlights the economic and social impact of UAlberta alumni. See the results.

Apply Now	Ð
Careers	Ð
Give to the U of A	Ð

Support for data stewardship

Recent examples:

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

Other KI

The ice cores cometh

national treasure - Canada's ice-core archive

- 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
 - \circ $\,$ awareness and advocacy $\,$
 - 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)

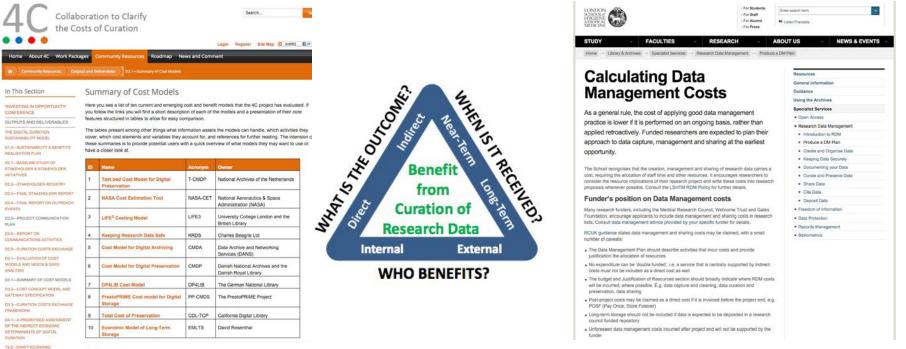








Towards a better understanding of value and cost



E Add comment

Diagram: Keeping Research Data Safe Factsheet Cost issues in digital preservation of research data (2011) http://www.beagrie. com/static/resource/KRDS Factsheet 0711.pdf



library.ualberta.ca/researchdata

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