Canadian Developments in Open Scholarship

Faculty of Science Update, 19-Oct, 2017

Jay Brodeur
McMaster University Library
Open Scholarship

Open Access

Open Data

Open Educational Resources
Open Access

“Open Access (OA) literature is digital, online, free of charge, and free of most copyright and licensing restrictions”

- Peter Suber
Tri-Agency Open Access Policy on Publications

1. Preamble

The Canadian Institutes of Health Research (CIHR), the Natural Sciences and Engineering Research Council of Canada (NSERC) and the Social Sciences and Humanities Research Council of Canada (SSHRC) (“the Agencies”) are federal granting agencies that promote and support research, research training and innovation within Canada. As publicly funded organizations, the Agencies have a

http://www.science.gc.ca/eic/site/063.nsf/eng/h_F6765465.html

“Grant recipients are required to ensure that any peer-reviewed journal publications arising from Agency-supported research are freely accessible within 12 months of publication”
Open Access: Two venues for publishing

**OA Journals ("Gold OA")**
✧ Immediate OA provided by a publisher (processing fees may apply)
✧ Directory of Open Access Journals ([doaj.org](http://doaj.org))
✧ Fees are eligible [Use of Grant Funds](#)

**OA Repositories ("Green OA")**
✧ Preprints and/or Postprints (before or after copy-editing)
✧ Directory of Open Access Repositories ([opendoar.org](http://opendoar.org))
✧ [SHERPA/RoMEO](http://sherpa.ac.uk): Database of publisher copyright policies
openaccess.mcmaster.ca

✧ OA information for researchers
✧ Customized for McMaster
✧ Links to the Library’s
  Open Access Interactive Tool

https://www.youtube.com/watch?v=BPSg_zM5W80
macsphere.mcmaster.ca

✧ McMaster’s institutional repository (IR)

✧ Preservation and sharing for scholarly output at McMaster

✧ Accepts many formats and outputs (theses, journal articles, data, figures, slideshows, etc.)
Open Data / Research Data Management
“Open data and content can be freely used, modified, and shared by anyone for any purpose”

- Open Knowledge International

Research Data Management is the active organization & maintenance of data throughout the research cycle to ensure data security, accessibility, usability, and integrity.
Requirements and Expectations

Funding Agencies and Governments

Publishers and Research Communities

Institutions
Tri-Agency Statement of Principles on Digital Data Management

http://www.science.gc.ca/default.asp?lang=En&n=83F7624E-1
Tri-Agency Statement of Principles on Digital Data Management: Expectations

➢ Data management planning
➢ Constraints and obligations
➢ Adherence to standards
➢ Collection and storage

➢ Metadata
➢ Preservation, retention and sharing
➢ Timeliness
➢ Acknowledgement and citation

➢ Efficient and cost-effective

Tri-Agency Statement of Principles on Digital Data Management
http://www.science.gc.ca/default.asp?lang=En&n=83F7624E-1
Tri-Agency Statement of Principles on Digital Data Management: **Expectations**

➢ Data management planning
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Tri-Agency Statement of Principles on Digital Data Management
http://www.science.gc.ca/default.asp?lang=En&n=83F7624E-1
Tri-Agency Statement of Principles on Digital Data Management: **Responsibilities**

**Researchers**
- incorporating best practices
- developing DMPs
- adhering to policies and standards

**Research Institutions**
- supporting best practices
- providing access to resources
- creating guidance and policies

**Research Communities**
- developing & promoting standards
- fostering excellence
- selecting repositories

**Research Funders**
- developing policies & guidance
- promoting data management
- providing peer reviewers
Recent Developments / Likely Next Steps

✧ Tri-Agency draft data management policy in development
✧ Will be released for consultation; feedback informs policy

Proposed policy — 3 possible requirements:
1. Institutions: Institutional Strategy
2. Researchers: Data Management Plans
3. Researchers: Data Deposit

✧ Phased and incremental implementation

Link to M. Lucas’ slides — Portage Network Event (18-Sept, 2017)
RDM capacity development at various scales

Institutional

- McMaster University Library
- RDM @ McMaster
- MacDATA Institute
- RHPCS

Provincial / National

- Scholars Portal
- DataCite
- Portage RDC DRC
- Research Data Canada – Données de recherche Canada
Portage DMP Assistant

✧ A web-based, bilingual data management planning tool.
✧ Available to all researchers in Canada.
✧ A guide for best practices in data stewardship.
✧ Exportable data management plans.

https://www.youtube.com/watch?v=zgLaJpJfehQ

https://assistant.portagenetwork.ca/
Scholars Portal Dataverse

- A data repository for researchers at Ontario's universities.
- An online platform to share, preserve, cite, explore and analyze research data.
- Allows researchers to control how they share their data.
- Supports data DOI registration through Datacite Canada.

https://www.youtube.com/watch?v=UDFGqRY61fQ

http://dataverse.scholarsportal.info
re3data.org

✧ Registry of research data repositories
Open Educational Resources

“Open Educational Resources are teaching, learning, and research resources that are free of cost and access barriers, and which also carry legal permission for open use.”

- SPARC
Open Access Week | October 23-29, 2017

McMaster Open Access Week Schedule:
OA Week: Keynote Presentation + Q&A

Why Open? Open Access and Open Education at McMaster

Nick Shockey, Director of Programs & Engagement, SPARC
Brady Yano, Assistant Director of Open Education, SPARC

MUSC CIBC Hall, Rm 319, 2:30 pm - 3:30 pm

McMaster Open Access Week Schedule:
Other “Open” Resources
What is an ORCID iD?

ORCID = Open Researcher and Contributor ID
✧ Unique identifier for use in scholarship
✧ Transparent system for linking researchers to:
  ○ activities & outputs;
  ○ individuals; and,
  ○ Organizations.
✧ National adoption underway in UK, AUS, NZ
✧ > 50 000 ORCID iDs registered from .ca domain
What does an ORCID iD do?

✧ Disambiguates researchers
✧ Enables connection outside of the institution
✧ Simplifies/automates data entry processes
✧ Improves data quality and reuse (machine-actionable data)
✧ Improves online presence of researchers’ products
ORCID-CA

ORCID-CA is the ORCID Consortium in Canada, facilitated by ORCID and the Canadian Research Knowledge Network (CRKN)

Benefits:
✧ Premium ORCID membership at lower cost
✧ Access to Premium Member API = potential to integrate with University systems and workflows
✧ Dedicates Member Services Coordinator
Affiliating an ORCID iD with McMaster

Current: Add McMaster University in Employment Section

Step 1

Sign up / Sign in at orcid.org

In Bio, select:
+ Add employment
+ Add manually
Affiliating an ORCID iD with McMaster

Current: Add McMaster University in Employment Section

Step 2

Enter ‘McMaster’ as Institution/employer

Select ‘McMaster University’ from drop-down list
Affiliating an ORCID iD with McMaster

Current: Add McMaster University in *Employment* Section

**Step 3**

Add remaining position information (mostly optional)

Click “Add to list”
Affiliating an ORCID iD with McMaster

Current: Add McMaster University in **Employment** Section

Profile will now show employment

Affiliation established
Affiliating an ORCID iD with McMaster

Coming Soon:
✧ Affiliation can be initiated by the institution through ORCID-CA membership API
✧ Researchers will be prompted to accept/reject affiliation with McMaster
More Information on ORCID and ORCID-CA

ORCID:
Learn more; register at: https://orcid.org/

ORCID-CA:
Introductory Webinar: https://attendee.gotowebinar.com/recording/3169306365980109057
Webinar slides: https://goo.gl/Oi70kY
Joint Statement of Principles: https://goo.gl/2vb5p0

More information on researcher profiles:
http://hsl.mcmaster.libguides.com/impact/profiles
Where to find more information

Open Access & Open Educational Resources:
✧ openaccess.mcmaster.ca
✧ macsphere.mcmaster.ca
✧ Olga Perkovic (perkovi@mcmaster.ca):
  Research and Advanced Studies Librarian

Open Data & Research Data Management
✧ portagenetwork.ca
✧ library.mcmaster.ca/rdm
✧ RDM@Mcmaster (rdmgmt@mcmaster.ca)
Thank You.

Jay Brodeur, brodeuji@mcmaster.ca
Research Data Management (RDM) is...

... the active organization & maintenance of data

... the application of best practices to ensure data security, accessibility, usability, and integrity

... a set of activities resulting in self-describing data sets that can be discovered and reused