Canadian Developments in Open Scholarship

Faculty of Science Update, 19-Oct, 2017

Jay Brodeur
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Open Scholarship

OPEN ACCESS

Open Access

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Open Data

Open Educational Resources

Open Educational Resources

McMaster University LIBRARY

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

Government of Canada | Gouvernement du Canada

Home ➜ Collaboration between Federal Research Funding Organizations ➜ Policies and Guidelines ➜ Open Access

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

McMaster University LIBRARY

OA Journals (“Gold OA”)

- Immediate OA provided by a publisher (processing fees may apply)
- Directory of Open Access Journals (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)
- SHERPA/RoMEO: Database of publisher copyright policies

openaccess.mcmaster.ca

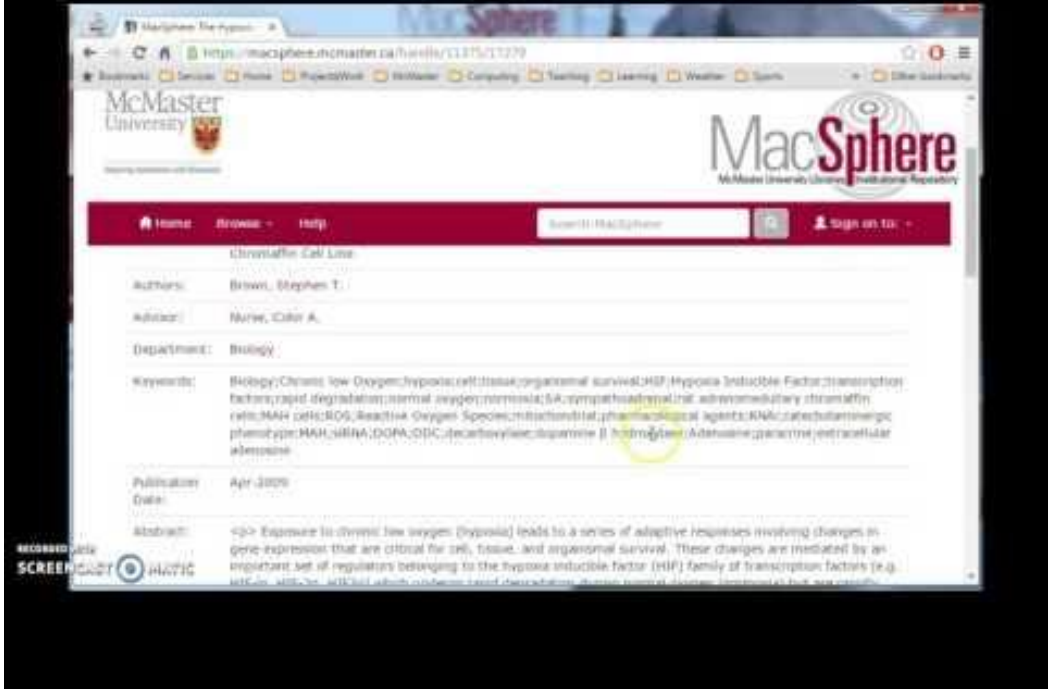
- OA information for researchers
- Customized for McMaster
- Links to the Library's Open Access Interactive Tool

https://www.youtube.com/watch?v=BPSq_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.)

https://www.youtube.com/watch?v=Zrt5zHZfRk4



McMaster University LIBRARY

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

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Funding Agencies and Governments

Office of Science and Technology Policy

Australian Government
Australian Research Council

RESEARCH COUNCILS UK

European Commission

wellcome

GenomeCanada

Publishers and Research Communities

PLoS one
www.plosone.org

nature

MENDELEY DATA Beta

Science
AAAS

figshare
credit for all your research

Institutions

UNIVERSITY of Prince Edward ISLAND

UNIVERSITY OF OXFORD

THE UNIVERSITY OF EDINBURGH

VE RI TAS

UNIVERSITY OF ALBERTA

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

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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
Research & High-Performance Computing Support

Provincial / National

Scholars Portal
A Service of the Ontario Council of University Libraries

DataCite

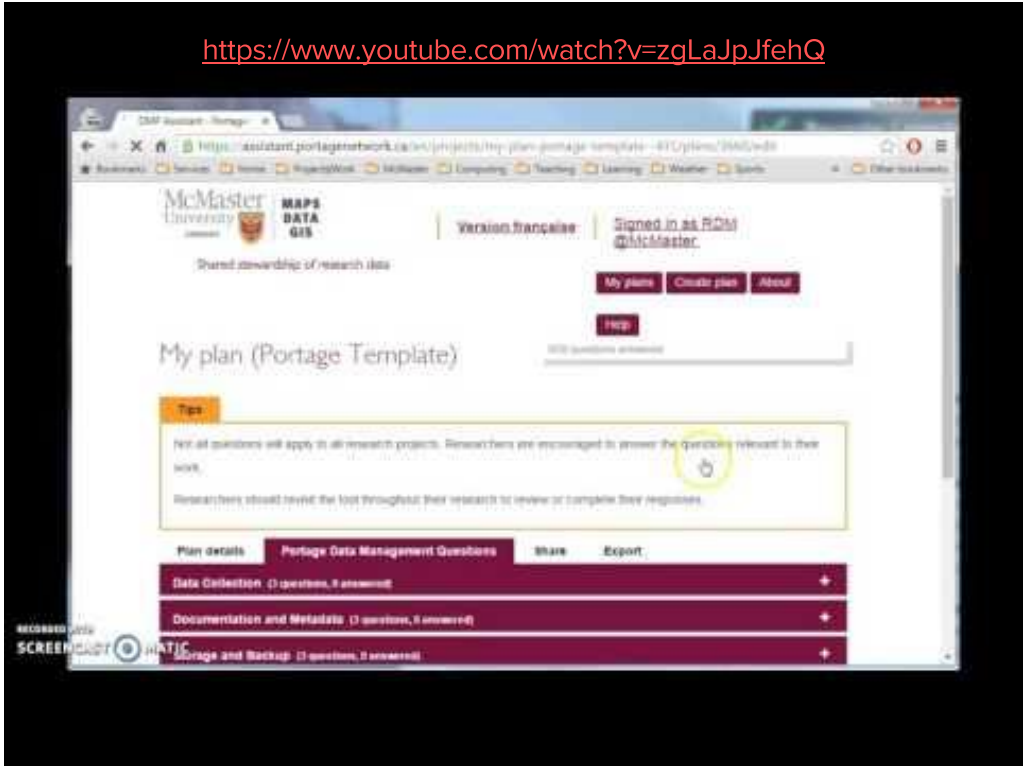
portage

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

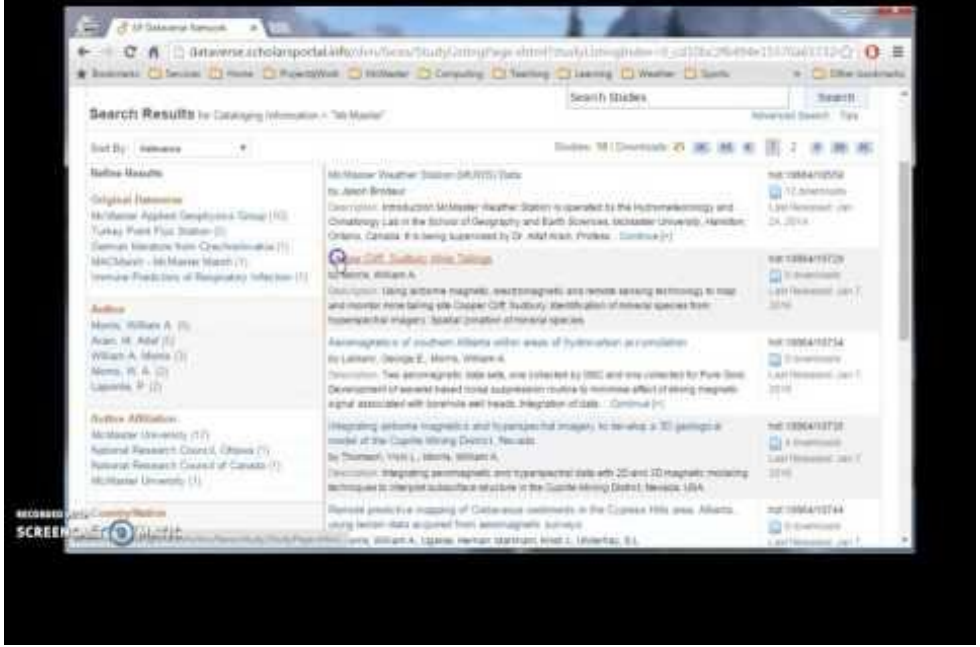


https://assistant.portagenetwork.ca/

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.

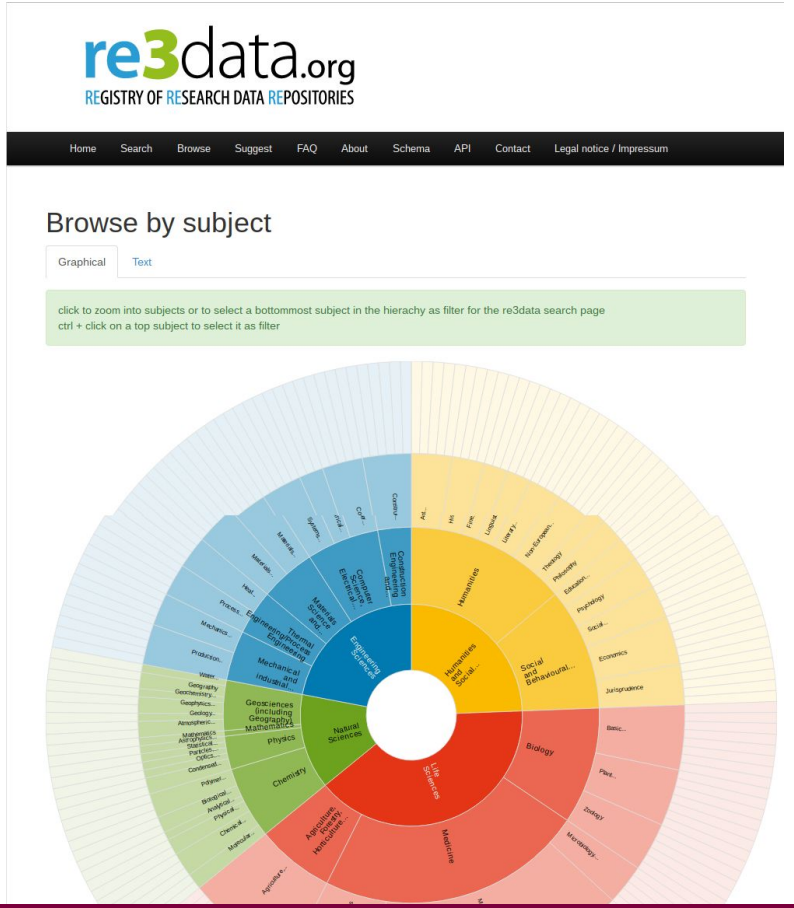
https://www.youtube.com/watch?v=UDFGqRY61fQ



http://dataverse.scholarsportal.info

re3data.org

- Registry of research data repositories

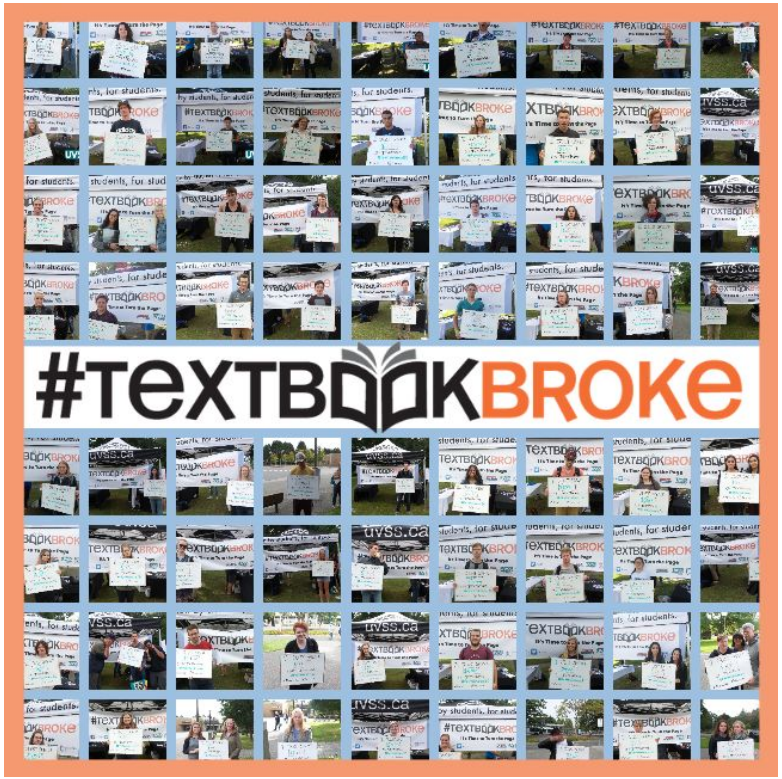


Open Educational Resources

"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

#textbookbroke



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B.C. students say they are #textbookbroke

Average textbook bill for students surveyed at UVic bookstore was $500

By Megan Thomas, CBC News Posted: Sep 07, 2016 7:30 PM PT | Last Updated: Sep 07, 2016 7:30 PM PT

A student at UVic frowns over the cost of her textbooks. (UVSS/Facebook)

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Open Access Week | October 23-29, 2017

McMaster Open Access Week Schedule:
https://library.mcmaster.ca/sites/default/files/OA-Week-2017-Full-Schedule.pdf

OA Week: Keynote Presentation + Q&A

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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

SPARC

McMaster Open Access Week Schedule:
https://library.mcmaster.ca/sites/default/files/OA-Week-2017-Full-Schedule.pdf

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

orcid.org

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.org

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

orcid.org

Affiliating an ORCID iD with McMaster

McMaster University LIBRARY

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

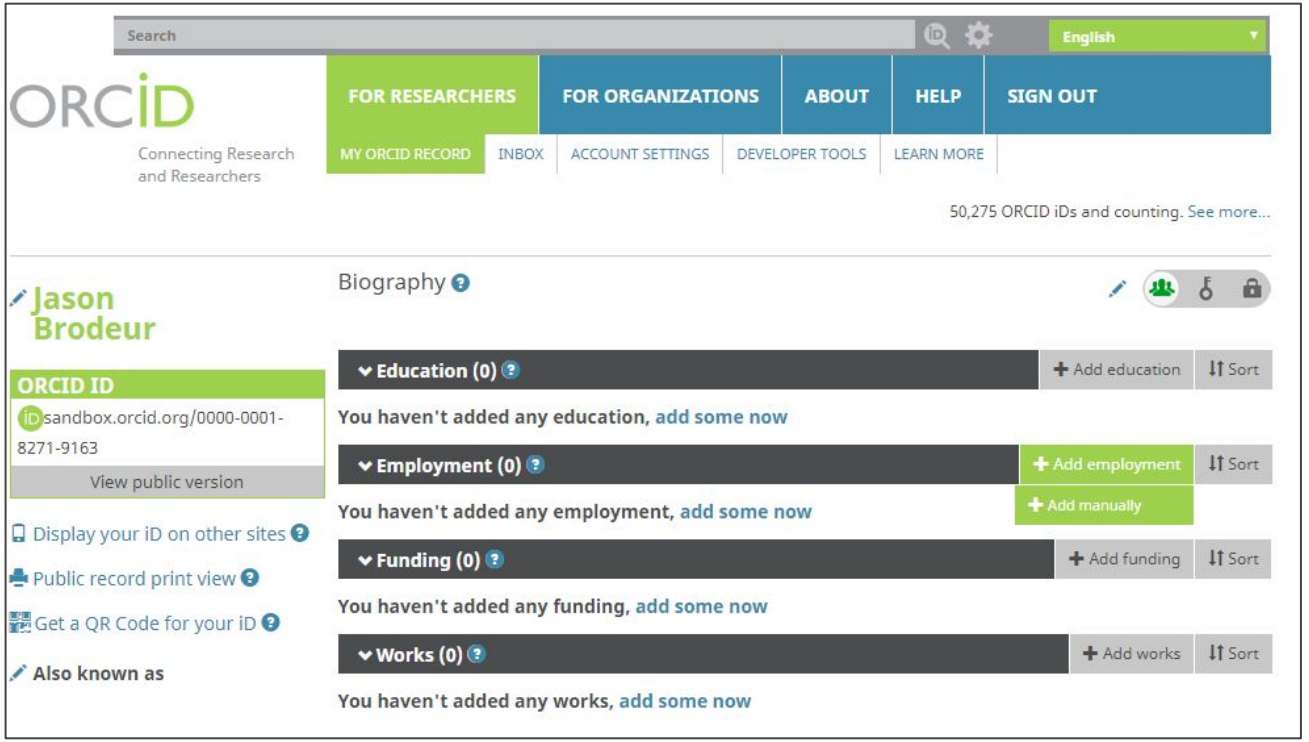
Step 1

Sign up / Sign in at orcid.org

In Bio, select:

+Add employment

+Add manually



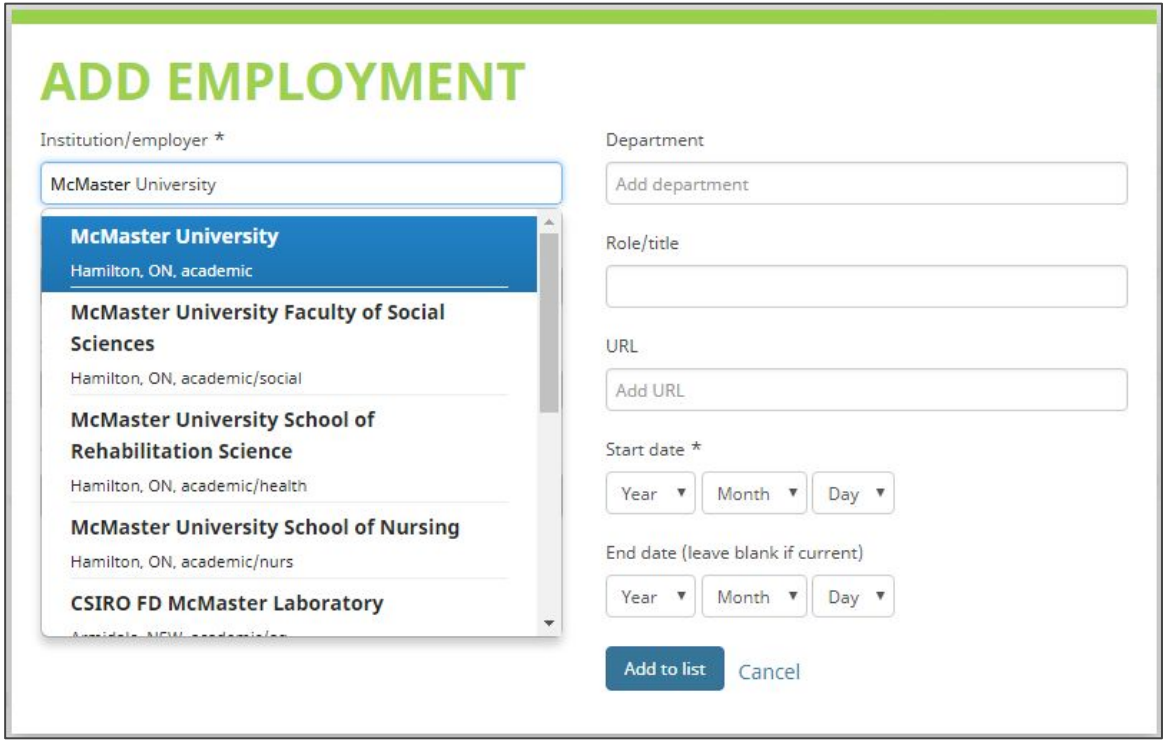
Affiliating an ORCID iD with McMaster

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

Step 2

Enter ‘McMaster’ as Institution/employer

Select ‘McMaster University’ from drop-down list



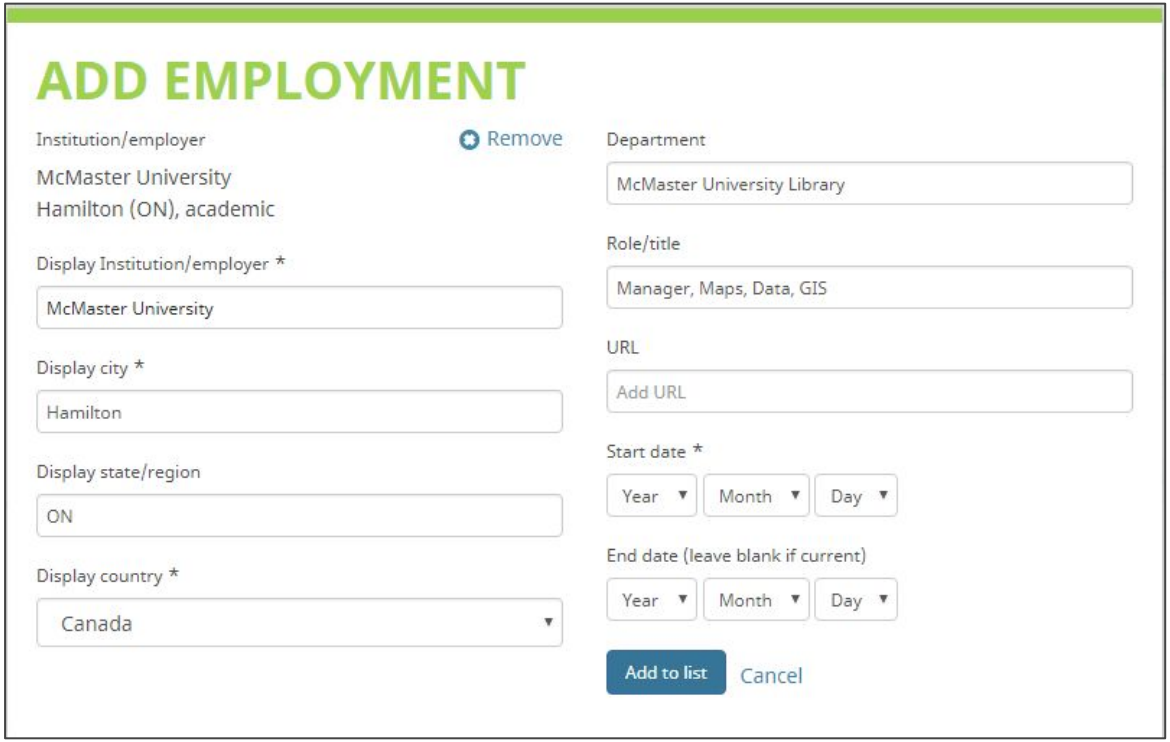
Affiliating an ORCID iD with McMaster

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

Step 3

Add remaining position information (mostly optional)

Click “Add to list”

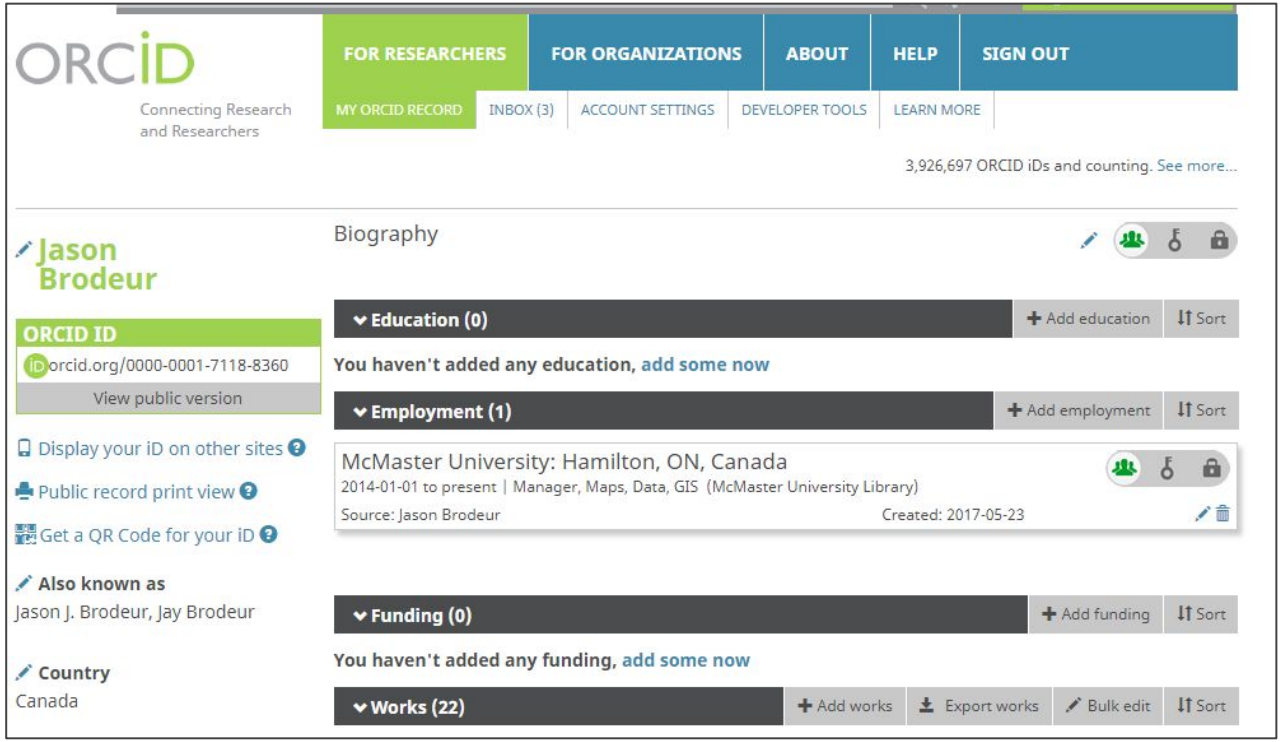


Affiliating an ORCID iD with McMaster

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

McMaster University LIBRARY

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)

McMaster University LIBRARY

Thank You.

Jay Brodeur, brodeujj@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