

Demystifying Digital Scholarship: **Knowledge Mobilization (KMb)**

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Outline

- Definitions
- Environmental scan
- Services
- Discussion

Definitions

Knowledge Mobilization

- Knowledge exchange
- Knowledge translation
- Knowledge transfer

*“making evidence accessible,
understandable and useful for
knowledge users”*

<https://youtu.be/o9hbLEVkiaQ>

<https://www.youtube.com/watch?v=ImFmsjVlzQc>

Social Sciences and Humanities Research Council (SSHRC)



Knowledge Mobilization

Synthesis

Dissemination

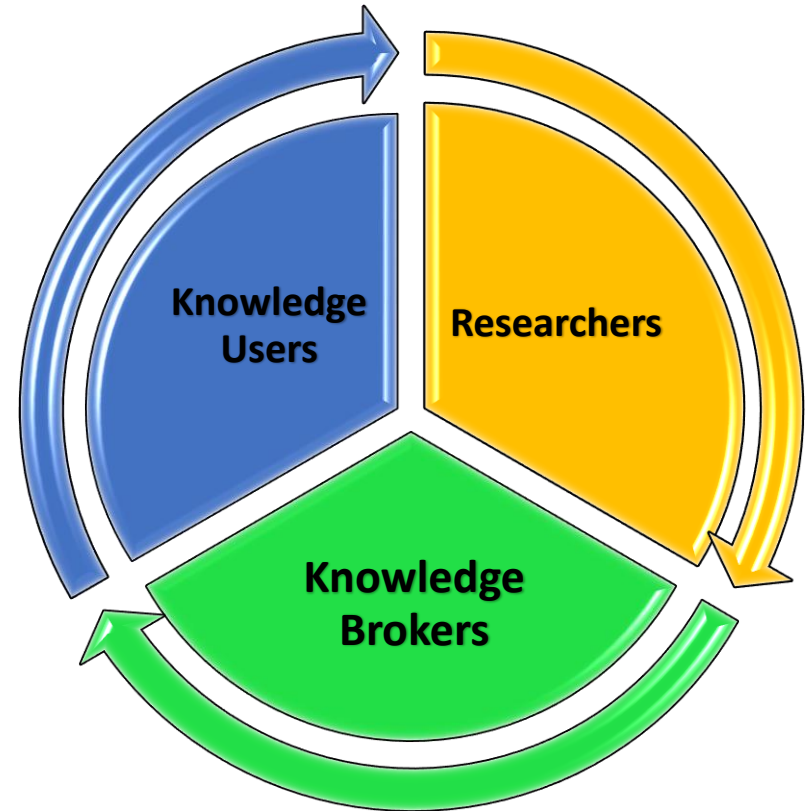
Transfer

Exchange

**Co-creation by
researchers and
knowledge users**

SSHRC

*“The reciprocal and complementary flow and uptake of research knowledge between researchers, knowledge brokers and knowledge users—both within and beyond academia—in such a way that may **benefit users** and **create positive impacts** within Canada and/or internationally, and, ultimately, has the potential **to enhance the profile, reach and impact of social sciences and humanities research.**”*





In Academia

Informs, advances and/or improves

- Research agendas
- Theory
- Methods

Beyond Academia

Informs

- Public debate
- Policies
- Practice

Enhances/improves services

Informs the decisions and/or processes of

- People in business,
- Government
- Media
- Practitioner communities
- civil society

SSHRC
definition
continued

Canadian Institutes of Health Research (CIHR)

Knowledge translation

*“A dynamic and iterative process that includes **synthesis, dissemination, exchange** and **ethically-sound application of knowledge** to improve the health of Canadians, provide more effective health services and products and strengthen the health care system.”*

Natural Sciences and Engineering Research Council of Canada (NSERC)

- knowledge/technology transfer

“The technology transfer plan must describe the commitment of the institution to the project and its capacity to transfer the technology to the marketplace. [...] the anticipated economic benefits to Canada must be included.”

Other definitions

“Knowledge mobilization is a suite of services, tools and processes that enhances the two-way connection and collaboration between research and partners to maximize the social, economic, health and environmental impacts of research. Knowledge mobilization helps make research useful to society.”

<http://researchimpact.ca/about/>



McMaster University's purpose is the discovery, communication, and preservation of knowledge. Committed to creativity, innovation, and excellence, the university serves the social, cultural, and economic needs of community and broader society.

McMaster's knowledge mobilization goals are to:

- Benefit society through research impacts and economic development
- Strengthen reputation and enhance recognition
- Promote research strengths

With a firm grounding in both the theory and practice of turning knowledge into action, McMaster is committed to building capacity for knowledge mobilization.

Services to support knowledge mobilization are distributed across the University. They are housed in Faculties and in University-supported networks and centres. Services include:

- **Brokering relationships:** we help researchers and graduate students connect to potential collaborators in academic, industry, public, non-profit, and community sectors
- **KM Planning:** we help researchers to develop creative, effective knowledge mobilization plans
- **Promotion:** we work closely with Communications staff to tell McMaster research stories
- **Training:** we offer graduate-level training in knowledge mobilization for research impact

Health sector-specific resources for knowledge transfer include:

- National Collaborating Centre for Methods and Tools (NCCMT)
- HealthEvidence™: a registry of systematic reviews relevant to public health topics



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Environmental scan

Open Access



- International movement
 - [Budapest Open Access Initiative](#) 2002
 - [Bethesda Statement on Open Access Publishing](#) 2003
 - [Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities](#) 2003
- Research should be freely available
 - *gratis* open access
 - *libre* open access
- Greater dissemination of knowledge

Tri-Agency policy

- May 1st, 2015
- Open access mandated by the [Tri-Agency Open Access Policy on Publications](#)
 - Canadian Institutes of Health Research (CIHR)
 - Natural Sciences and Engineering Research Council of Canada (NSERC)
 - Social Sciences and Humanities Research Council of Canada (SSHRC)

“The objective of this policy is to improve access to the results of Agency-funded research, and to increase the dissemination and exchange of research results.”

Open data

- Data freely available
- SSHRC - Research Data Archiving Policy

“data collected with public funds belong in the public domain”

“data collected with the use of SSHRC funds must be preserved and made available for use by others within a reasonable period of time” – 2 years

Networks of Centres of Excellence - Knowledge Mobilization (NCE-KM) initiative

- **2017 NCE International Knowledge Translation Platforms (NCE-IKTP) competition**

“The goal of the NCE-IKTP initiative is to support international collaborations between networks, centres, consortia and their partners to accelerate knowledge translation in areas of mutual strategic interest. ”

kmbtoolkit

- http://www.kmbtoolkit.ca/sites/all/themes/kmb/assets/images/Knowledge_Mobilization_Planning_Form.pdf

Services

Open Access

Attention Faculty & Researchers

As of **May 1st, 2015**, open access is mandated by the [Tri-Agency Open Access Policy on Publications](#)

Open access refers to scholarly research that is made freely available on the internet. In a scholarly environment, open access often focuses on journal articles.




How do I comply with the Tri-Agency Policy?

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Guide to Open Access

 [Open Access Explained](#)

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openaccess.mcmaster.ca

Compliance with the Tri-Agency Policy?

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- NSERC
 SSHRC
 CIHR

Next →



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2. Contact your publisher to confirm your copyright permissions.
3. Deposit your manuscript into an online repository:
 - a. **MacSphere:** McMaster's Institutional Repository
 - i. Log-in to MacSphere with your MAC ID and password and submit your article to the collection that corresponds with your department
 - b. Search or browse a list of subject-based repositories using [OpenDOAR: Directory of Open Access Repositories](#)

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- [MacSphere: https://macsphere.mcmaster.ca/](https://macsphere.mcmaster.ca/)
- [OpenDOAR: http://opendoar.org/index.html](http://opendoar.org/index.html)

Questions?

- Email scom@mcmaster.ca
- See the [Guide to Open Access](#)

Sherpa/Juliet



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- [JULIET has been upgraded -- now includes Funders' Data and Open Access Journal Policies](#) - Mar-2008
- [SHERPA launches new advice list - JULIET](#) - Jun-2006

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- [JULIET Statistics](#)
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- [Fundação para a Ciência e a Tecnologia](#) - 07-Mar-2016
- [Academy of Finland](#) - 02-Sep-2015
- [Breast Cancer Now](#) - 21-Jul-2015

Other SHERPA Services

- [SHERPA/FACT](#) - Funders & Authors Compliance Tool
- [SHERPA/ROMEO](#) - Journals' and Publishers' Open Access Policies



OA journals

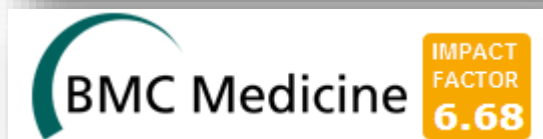
- Peer-review
- BioMed Central
 - publishes 265 peer-reviewed open access journals
<http://www.biomedcentral.com/>
- DOAJ
 - 209 journals from Canada
 - 11,485 OA journals
 - “cover all open access scientific and scholarly journals that use an appropriate quality control system” <http://www.doaj.org>



Open Access journals

- Impact

- BioMed Central



- Public Library of Science



- Citation rates

- <http://sparceurope.org/oaca/>

Predatory open access journals

- Free for users/not free to produce
- Business models

Scholarly journal publisher

The Press is an imprint supported and published by the McMaster University Library in Hamilton, Ontario, Canada.



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NEXUS: The Canadian Student Journal of Anthropology

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RSS 2.0

RSS

The Metabolic and Structural Response of Human Skeletal Muscle to Acute Exercise and Nutritional Manipulation [See](#)

The work in this thesis describes the metabolic and structural response of human skeletal muscle to acute exercise and nutritional manipulation. Over a series of three studies, healthy young men performed acute bouts of either endurance or resistance exercise, and a range of invasive and non-invasive techniques were applied to examine the muscle adaptive response during exercise and recover...



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- [International Society for the Scholarship of Teaching and Learning \(ISSOTL\)](#) - International Society for the Scholarship of Teaching and Learning (ISSOTL) - 07-Mar-2016
- [Bulletin of the World Health Organization](#) - Bulletin of the World Health Organization - 04-Mar-2016

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Open data

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Research Data Management at McMaster

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Data Management Plan
Funding Agencies

Collecting & Analyzing

Documentation & Metadata
Data Storage & Security
Formatting Data

Preserving & Archiving

Archiving Data
Sharing Data
Intellectual Property Rights

Planning &
Preparing

Collecting &
Analyzing

Preserving &
Archiving

In the spirit of good data stewardship and funding agency requirements the adoption of Research Data Management (RDM) practices are increasing worldwide. In Canada a handful of funding agencies require researchers to apply RDM practices to their data to ensure it is comprehensive and accessible long-term. The purpose of this website is to both provide information and link relevant resources to different phases of RDM to reduce obstacles associated with the process. The buttons beneath can be used to navigate to sections of the RDM process, in addition to the menu on the left.

RDM is the active organization and maintenance of data throughout its lifecycle, from its collection, interpretation, dissemination, and the archiving of valuable results. RDM enables reliable verification of research results, and permits innovative, interdisciplinary research built on existing information. The application of RDM improves cumulative research efficiency, and reduces the overall cost of research

RDM integrates data management considerations such as data documentation ([metadata](#)), [security](#), [archiving](#), and [sharing](#) with the traditional data life cycle of planning, collecting, and preserving. The incorporation of RDM practices throughout a project

discussion

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