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Robyn Hall, Scholarly Communications Librarian + Meghan Abbott, Director of Research Services | December 2015



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Partnerships and Projects

- Directory of Scientists and Professionals
- Canadian High Arctic Research Station
- Northern Contaminants Program
- Canada's Extended Continental Shelf Program
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 - Draft Tri-Agency Statement of Principles on Digital Data Management**
 - Comprehensive Brief on Research Data Management Policies

Draft Tri-Agency Statement of Principles on Digital Data Management

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, knowledge transfer and innovation within Canada.

As publicly-funded organizations, the Agencies are strong advocates for making the results of the research they fund as accessible as possible. In promoting access to research results, they aspire to advance knowledge, avoid research duplication and encourage reuse, maximize research benefits to Canadians, and showcase the accomplishments of Canadian researchers. These aspirations align with the Government of Canada's commitment to open science, as described in [Seizing Canada's Moment: Moving Forward in Science, Technology and Innovation](#) (2014).

Research data – recorded material that validates research findings and results, and enables reuse or replication^[1] – are increasingly created or translated into digital formats. When properly managed and responsibly shared, these digital resources enable researchers to ask new questions, pursue novel research programmes, test alternative hypotheses, deploy innovative methodologies and collaborate across geographic and disciplinary boundaries. The ability to store, access, reuse and build upon digital research data has become critical to the advancement of science, supports innovative solutions to economic and social challenges, and holds tremendous potential for Canada's productivity, competitiveness and quality of life.

Governments and research funders across the globe are becoming increasingly aware of the value of digital research data, the importance of fostering reuse of digital research data, and the need for policies to facilitate excellence in data stewardship. Canada has joined many other countries at the forefront of this movement, as exemplified by its support for the OECD [Declaration on Access to Research Data from Public Funding](#) (2004), commitment to the [Open Government Declaration](#) (2011), and approval of the [G8 Science Ministers Statement](#) (2013).

The Government of Canada's [Action Plan on Open Government](#) (2014) aims to maximize access to the results of federally-funded research to encourage greater collaboration and engagement with the scientific community, the private sector, and the public. The action plan includes a commitment to adopt policies to support effective data stewardship.

The Agencies believe that research data collected with the use of public funds belong to the fullest extent possible in the public domain, available for reuse by others, and they strongly support the creation of a robust and efficient environment for data stewardship in Canada and internationally. They have encouraged data stewardship through SSHRC's [Research Data Archiving Policy](#) (1990), the [Tri-Agency Framework: Responsible Conduct of Research](#) (2011), and data sharing provisions for CIHR grant holders in the [Tri-Agency Open Access Policy on Publications](#) (2015), and management practices within the Canadian research community.

OPEN DATA



What you need to know ...

THE AGENCIES

CIHR, NSERC, SSHRC = “The Agencies” all contribute to Federal commitment to Open Science.

Publicly funded obligation to make research results as accessible as possible to:

- advance knowledge
- avoid research duplication and encourage reuse
- maximize research benefit to Canadians
- Showcase the accomplishments of Canadian researchers

The Agencies aim to lead data stewardship of funded research to:

- increase Canada’s contribution to and capitalization on data-intensive science and scholarship.
- maximize access to the results of research to encourage greater collaboration and engagement with the scientific community, the private sector, and the public

THE STATEMENT

Agencies developed a draft [Statement of Principles on Digital Data Management](#), as a guide to prepare for forthcoming agency data management requirements (builds on the 2013 consultation document, [Toward a Policy Framework for Advancing Digital Scholarship in Canada](#), information provided by a [Comprehensive Brief on Research Data Management Policies](#), and advice received through stakeholder engagement)

Outlines expectations:

- digital research data management, and
- responsibilities of researchers, research communities, institutions and funders
 - Aim for easy and timely access to data
 - Aim for recognized research data contribution of scholars at institutions, properly cited

RESEARCH DATA

Definition: “recorded material that validates research findings and results, and enables reuse or replication”

Statement/Policy:

- Adhere to best practices, in conformity with legal and ethical obligations (e.g., Responsible Conduct in Research, TCPS2, etc.)

Data management planning:

- how data is collected, formatted, preserved and shared, as well as how existing datasets will be used and what new data will be created

MACEWAN

Coming soon...

- Statement informing forthcoming MacEwan University guidelines for developing data management plans and data sharing requirements.
 - Portage data management planning tool <https://portagenetwork.ca/> (available now to MacEwan researchers!)
- Info on sharing data/data repository

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



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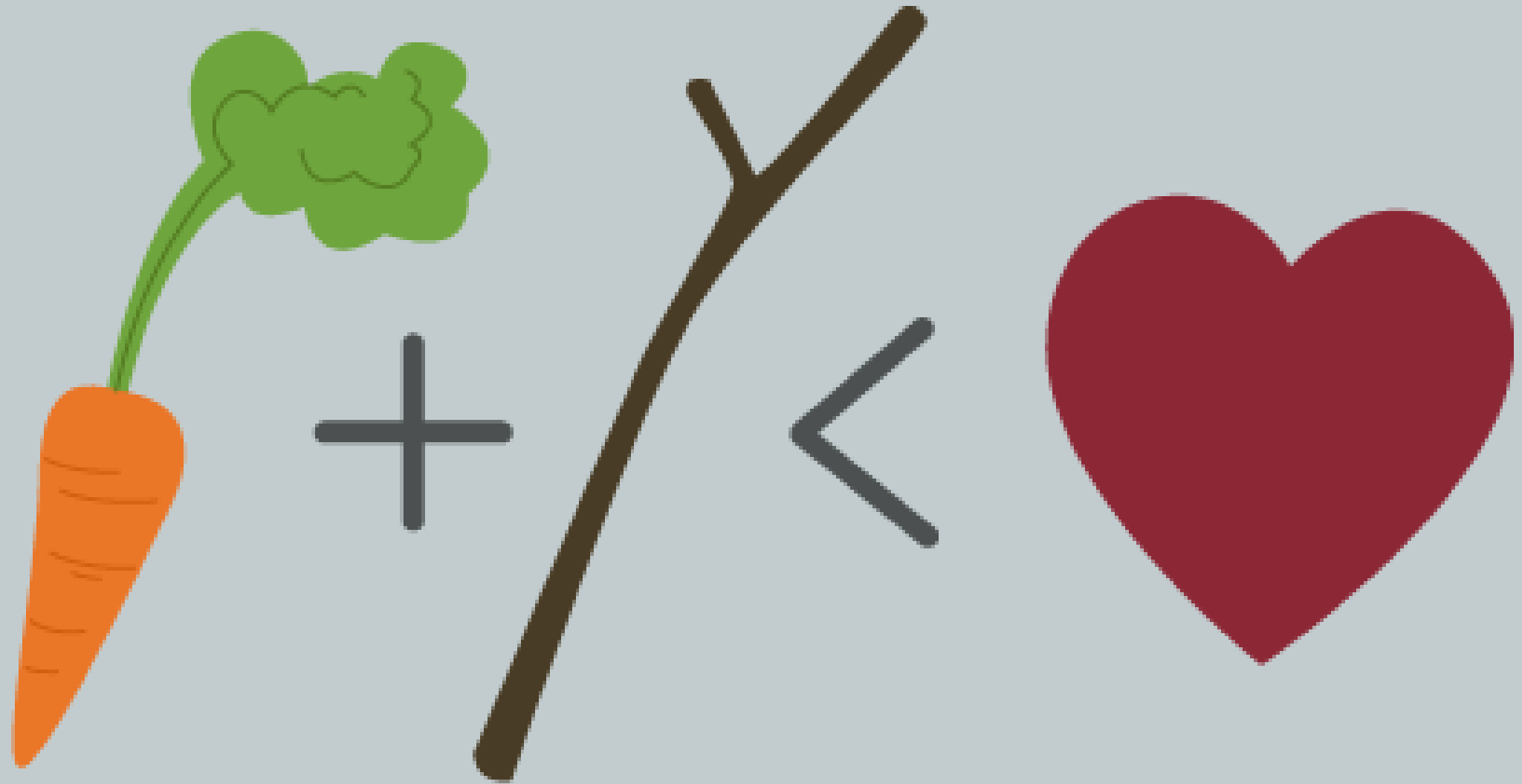
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OA MANDATES





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Sciences**
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**Australian
Research
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(12 months)

- Requires OA archiving in a repository
- Requires publication in an OA journal

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Partnerships and Projects

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Health Canada: Centre for Vaccine Evaluation

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Research Funding Collaboration

Co-operative Funding Programs

Policies and Guidelines

Open Access

Tri-Agency Open Access Policy on Publications

Annex

Frequently Asked Questions

Toolbox

News Release

Consultation on Draft Tri-Agency Open Access Policy

Access to Research Results: Guiding Principles

Archives

Selecting the Appropriate Federal Granting Agency

Research Ethics

Responsible Conduct of Research

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 fundamental interest in promoting the availability of findings that result from the research they fund, including research publications and data, to the widest possible audience, and at the earliest possible opportunity. Societal advancement is made possible through widespread and barrier-free access to cutting-edge research and knowledge, enabling researchers, scholars, clinicians, policymakers, private sector and not-for-profit organizations and the public to use and build on this knowledge.

Information and communications technology, and in particular the advent of the internet, has transformed the way that science and scholarly research is conducted and communicated. Indicative of this changing landscape has been the steady growth in open access publishing and archiving, which facilitates widespread dissemination of research results. Open access enables researchers to make their publications freely available to the domestic and international research community and to the public at large, thereby enhancing the use, application and impact of research results.

Momentum for open access has been growing as numerous funding agencies and institutions worldwide implement open access policies. The Agencies strongly support open access to research results which promotes the principle of knowledge sharing and mobilization – an essential objective of academia. As research and scholarship become increasingly multi-disciplinary and collaborative, both domestically and internationally, the Agencies are working to facilitate research partnerships by harmonizing domestic policies and aligning with the global movement to open access.

The following principles guide the Agencies in their approach to promoting open access to research publications:

- Committing to academic freedom, and the right to publish;
• Recognizing the critical importance of peer review to the scholarly communication ecosystem;
• Maintaining the high standards and quality of research by committing to academic openness and responsible conduct of research;
• Promoting recognized research best practices and standards across disciplines, and embracing and sharing emerging practices and standards;
• Advancing academic research, science and innovation;
• Effective dissemination of research results; and
• Aligning activities and policies between Canadian and international research funding agencies.

What you need to know ...

EFFECTIVE: MAY 1, 2015

APPLIES TO: PEER-REVIEWED JOURNAL ARTICLES

REQUIRES OPEN ACCESS VIA:

- **OA JOURNAL OR**
- **INSTITUTIONAL/
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Research Online at MacEwan

A digital collection of research, scholarship, and creative works by MacEwan University faculty, students, and staff.



Dr. Shannon Digweed

Psychology/Biological Sciences, Faculty of Arts and Science



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Preserve.



Predator-associated vocalizations in North American red squirrels (*Tamiasciurus hudsonicus*): are alarm calls predator-specific?

Shannon Digweed, Drew Rendall

NOTICE: This is the peer reviewed version of the following article: Digweed, S., & Rendall, D. (2009). Predator-associated vocalizations in North American red squirrels, *Tamiasciurus hudsonicus*: are alarm calls predator specific? *Animal Behaviour* 78(3), 1135-1144, which has been published in final form at <https://doi.org/10.1016/j.anbehav.2009.07.030>. This article may be used for non-commercial purposes in accordance With Wiley Terms and Conditions for self-archiving.

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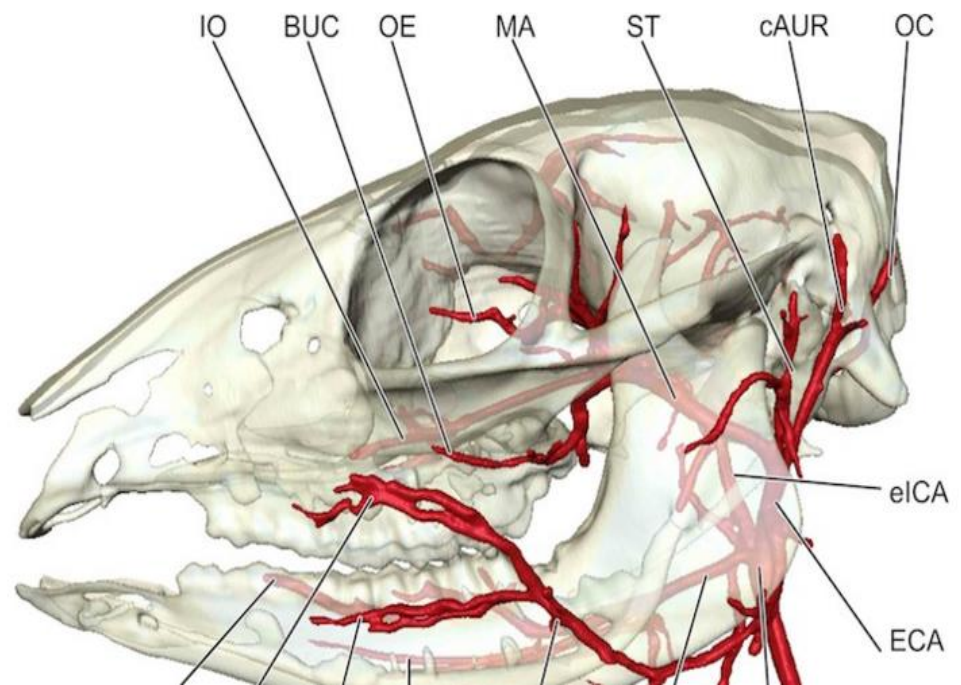
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1 December

Cranial arterial pattern of a species of mouse deer

Researchers mapped the cranial arterial patterns of the Sri Lankan spotted chevrotain and compared it to the wider group of tragulids.

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PUBLISHING


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What Open-Access Publishing Actually Costs

By *Ellen Wexler* | NOVEMBER 09, 2015

In academe, ideas cost money. But how much?

Advocates for open-access journals say that academic research should be free for everyone to read. But even those proponents acknowledge that publishing costs money — the disagreement is over the amount.

The issue was highlighted last month, when all six editors and all 31 editorial-board members [resigned](#) from *Lingua*, a prominent linguistics journal, after a disagreement with the journal's publisher, Elsevier, over how much libraries and authors should pay.

Many of the reviewers and authors at open-access journals work on a volunteer basis. So what are the true costs of running such a publication? *The Chronicle* asked the Open Library of the Humanities, a nonprofit group that publishes seven peer-reviewed journals in the humanities and social sciences. The group will also help fund Glossa, a journal that *Lingua*'s departing editors are planning to start.

'There will always be costs. If you want these services, they have to be paid for.'

The Open Library of the Humanities is completely open access, and authors are not charged

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RESEARCH

As Academia.edu Grows, Some Scholars Voice Concerns





University of Pittsburgh

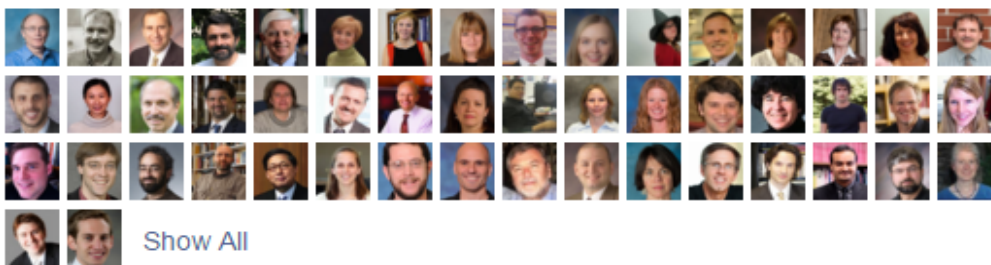
The University of Pittsburgh's PlumX dashboard displays the research impact of researchers from a cross-section of departments throughout the university. Any contribution to the D-Scholarship Institutional Repository is available in PlumX. These contributions enable the per-institute and per-department views. Additionally metrics about the impact of articles in library published journals are also available.

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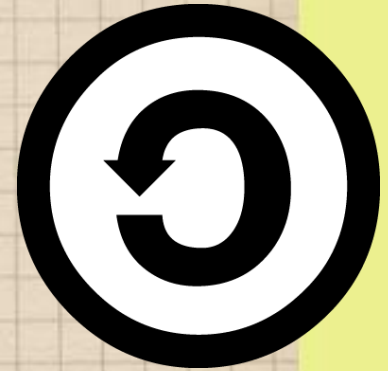
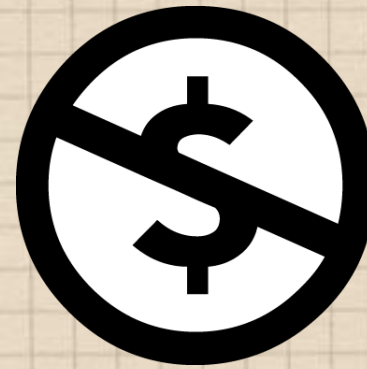
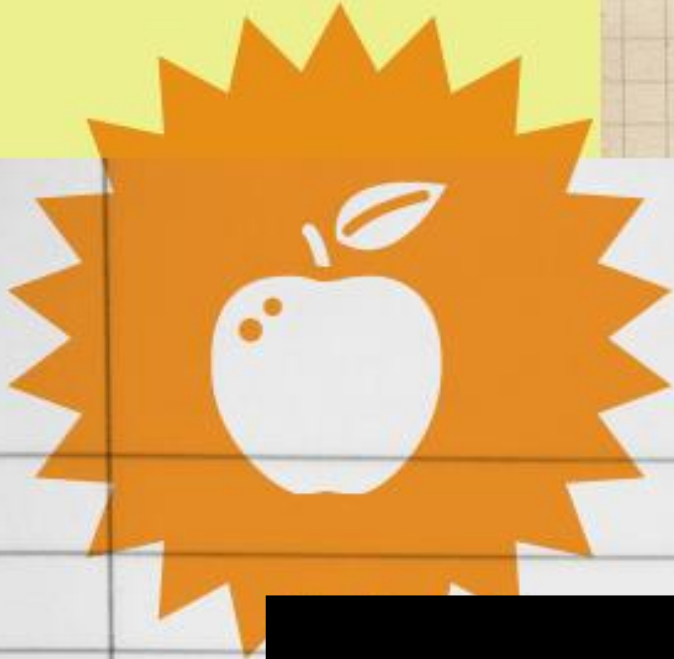
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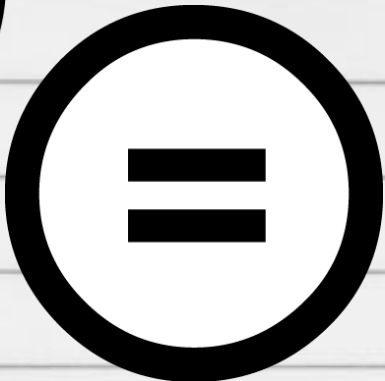
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EDUCATION RESOURCES





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Is This the Solution to Crazy High Textbook Prices?

Kaitlin Mulhere @KMulhere | Sept. 1, 2015



A growing movement wants to make them free.

Students at the University of Maryland University College won't be purchasing textbooks this fall. The online college announced last week that it would be the first in the U.S. to eliminate the use of print textbooks in favor of online materials to save its 64,000 undergraduates money.

As the high price of textbooks has come in for increasing criticism, alternatives to buying brand-new editions have become more common. (Read these four tips on [how to take advantage of those alternatives to save money.](#))



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<http://time.com/money/4017003/high-text-book-prices-solution>

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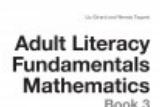
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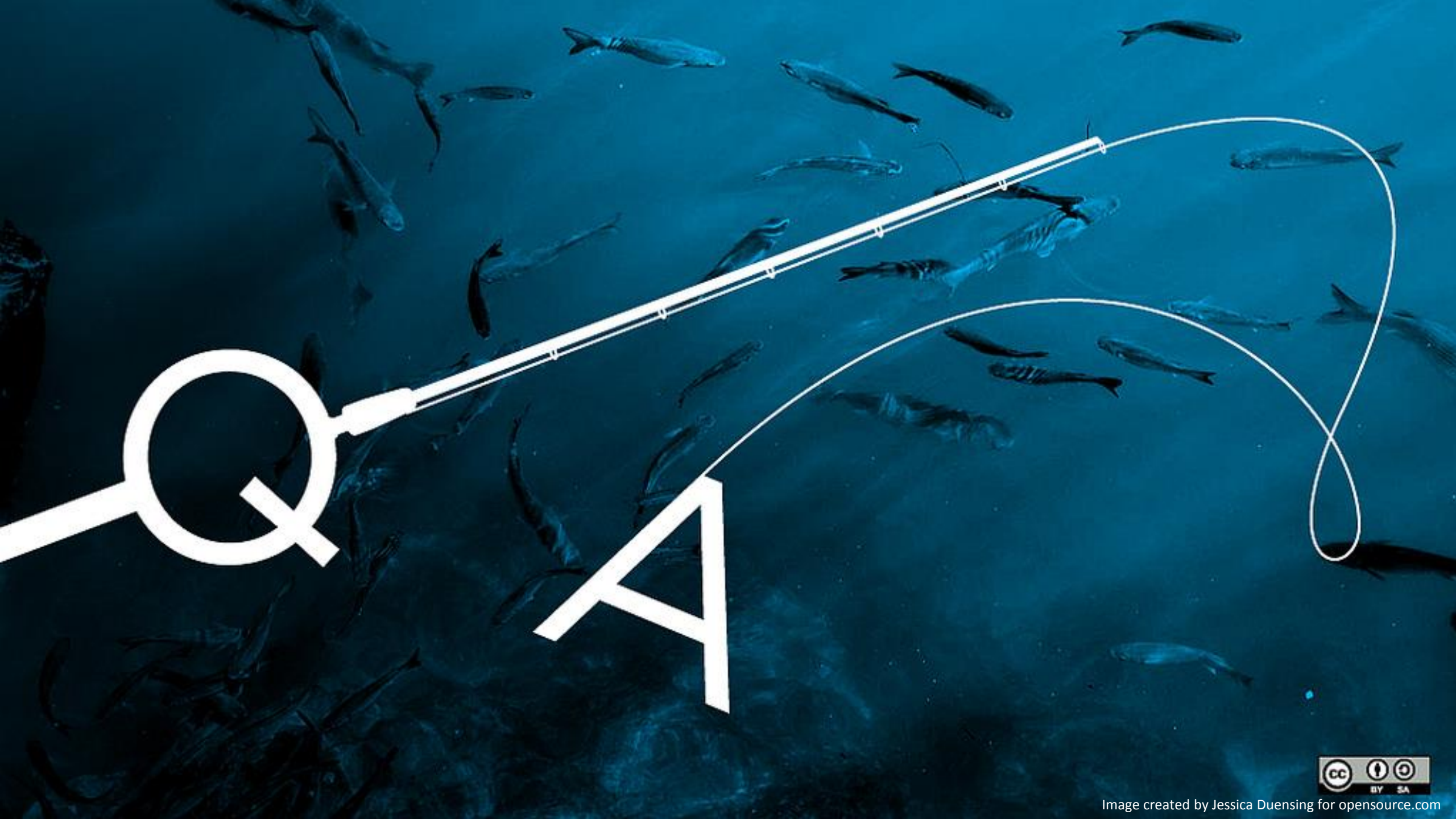
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Campus AB OER Projects

The Campus Alberta Open Educational Resources Initiative is happy to announce 15 successful grant projects! We look forward to providing feature stories and updates on these projects throughout the duration (April 2015 - Dec 2015).

Institution	Project Title	Project Description
Athabasca University	Beginner Spanish OER Initiative	Create an Alberta based digital beginner Spanish grammar and culture textbook built on existing OERs aimed at first year post-secondary students beginning their studies of the Spanish language.
Athabasca University	Course Redesign: Health and Community Development	Full revision of Health and Community Development course; replace the textbooks and required readings with OERs; and develop a new study guide, reading file, assignments and exams.
Athabasca University	Creative Clinical Teaching in Health Professions: Open Access Textbook	Create an e-textbook: Creative Clinical Teaching in the Health Professions. It will replace costly print textbooks currently being used in one Athabasca University course.
Athabasca University	OER Textbook on Occupational Health and Safety	Create an OER occupational health and safety (OHS) textbook suitable for use at all Alberta PSEs.
Athabasca University	Physical Geography Course; open/mobile/self-guided field course	Create an online field course will provide convenient access to mobile technology-guided field trips covering fundamental aspects of physical geography and distributed across Alberta.
Athabasca University	Intermediate Financial Accounting I and II OER Tutorial Project	Develop e-tutorials with audio for each of Intermediate I and II that parallel the OER content/questions/solutions which are in development already within AU.
Bow Valley College	Improving Reading Skills for Success in Post Secondary Education	Develop an OER course to improve reading efficiency - remedial instruction for low skilled students who struggle with the reading demands.
Medicine Hat College	The LibrOERy Project	Run a pilot project in OER implementation; encourage instructors interested in converting their course to OER to submit an application.
Mount Royal University	Open Source Textbook in Applied Logistics Management	Promotion and creation of an Open Source e-textbook in Applied Logistics Management.



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