# **Open Access Workshop**

**Graduate Students Union** 

Lisa Goddard

Memorial University Libraries

November 18<sup>TH</sup>, 2010





# **Outline**



- Traditional Academic Publishing
- Open Access Alternatives
  - OA Journals
  - OA Repositories
  - Creative Commons
- Faculty Engagement



# **Traditional Academic Publishing**

# **University Environment**



- Copyright is automatically granted to author upon the creation of an original work in a tangible medium.
- Most universities have agreements stating that faculty own copyright in their scholarly works.

# Copyrights



- reproduce
- distribute
- publicly display
- publicly perform
- prepare derivative works

# **Transferring Rights**



- assign ownership of copyright
- grant permission via license

all rights? exclusive? perpetual?

# **Publisher Agreements**

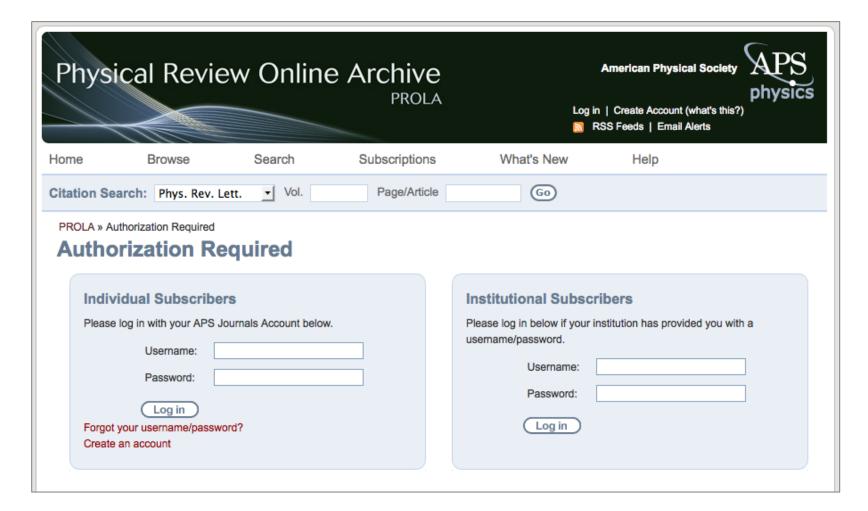


 Academic authors traditionally transfer exclusive, full copyrights to the publishers of the journals in which their articles appear.

Many disadvantages to this approach...

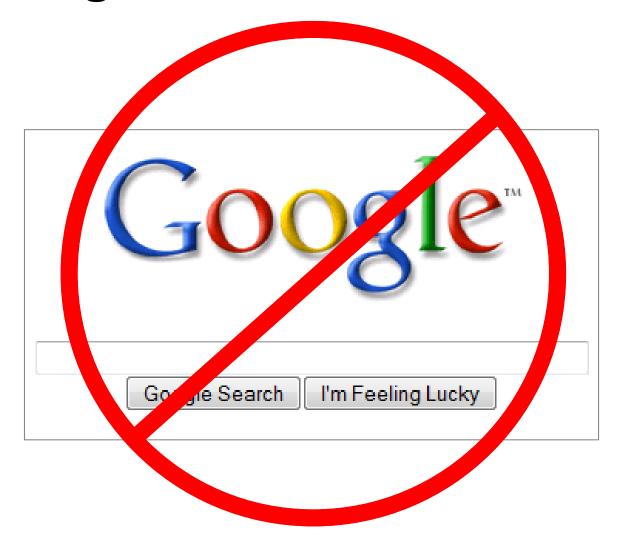
# **Subscribers Only**





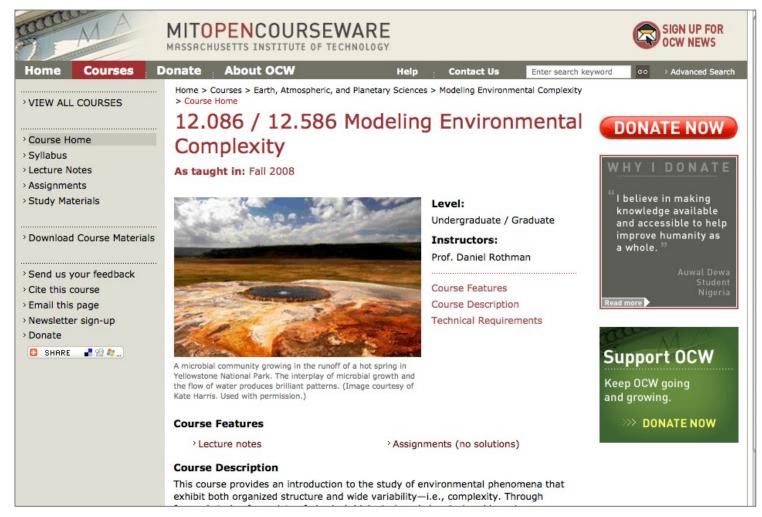
# No Google





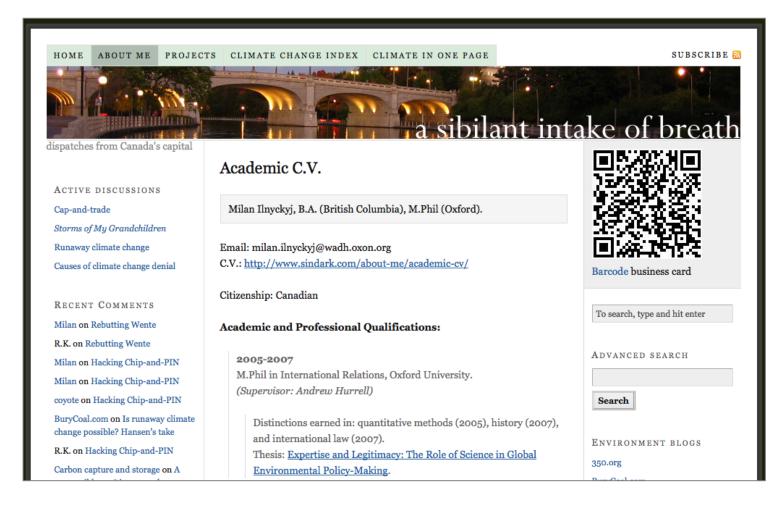
# **No Course Websites**





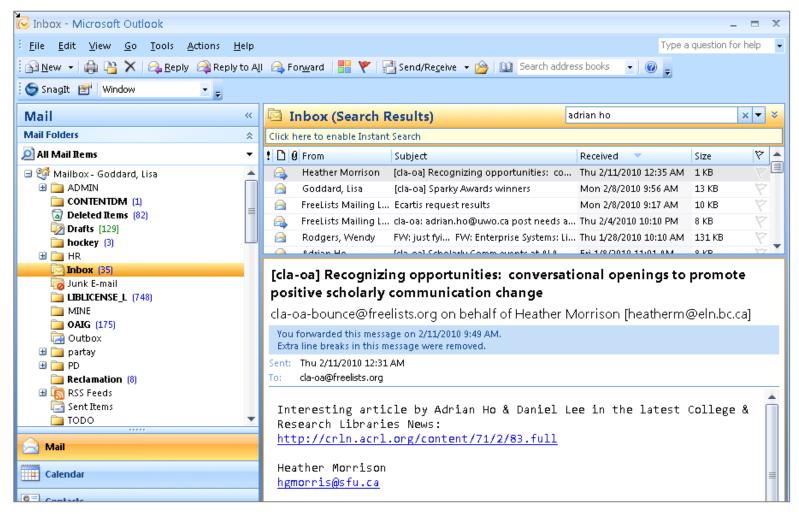
# **No Professional Websites**





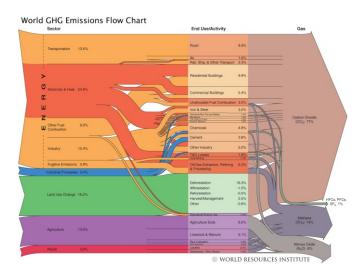
# No Sharing with Colleagues





# No Reuse





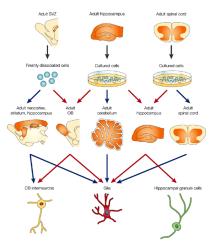


Table 1: Occupants and Nonoccupants Killed and Injured in Traffic Crashes

Description	Killed				Injured			
	2007	2008	Change	% Change	2007	2008	Change	% Change
Total*	41,259	37,261	-3,998	-9.7%	2,491,000	2,346,000	-145,000	-5.8%
			(	Occupants				
Passenger Vehicles	29,072	25,351	-3,721	-13%	2,221,000	2,072,000	-149,000	-6.7%
Passenger Cars	16,614	14,587	-2,027	-12%	1,379,000	1,304,000	-75,000	-5.4%
Light Trucks	12,458	10,764	-1,694	-14%	841,000	768,000	-73,000	-8.7%
Large Trucks	805	677	-128	-16%	23,000	23,000	0	0.0%
Motorcycles	5,174	5,290	+116	+2.2%	103,000	96,000	-7,000	-6.8%
Nonoccupants								
Pedestrians	4,699	4,378	-321	-6.8%	70,000	69,000	-1,000	-1.4%
Pedalcyclists	701	716	+15	+2.1%	43,000	52,000	+9,000	+21%
Other/Unknown	158	188	+30		10,000	9,000	-1,000	

Source: Fatalities - FARS 2007 (Final), 2008 (ARF), Injured - NASS GES 2007, 2008 Annual Files

Copyrighted Material

### CHAPTER What Is the Semantic Web?

This book is about something we call the Semantic Web. From the name, you can probably guess that it is related somehow to the famous World Wide Web (WWW) and that it has something to do with semantics. Semantics, in turn, has to do with understanding the nature of meaning, but even the word semantics has a number of meanings. In what sense are we using the word semantics? And how can it be applied to the Web?

This book is also about a working ontologist. That is, the aim of this book is not to motivate or pitch the Semantic Web but to provide the tools necessary for working with it. Or, perhaps more accurately, the World Wide Web Consortium (W3C) has provided these tools in the forms of standard Semantic Web languages, complete with abstract syntax, model-based semantics, reference implementations, test cases, and so forth. But these are like a craftsman's tools: In the hands of a novice, they can produce clumsy, ugly, barely functional output, but in the hands of a skilled craftsman, they can produce works of utility, beauty, and durability. It is our aim in this book to describe the craft of building Semantic Web systems. We go beyond coverage of the fundamental tools to show how they can be used together to create semantic models, sometimes called ontologies, that are understandable, useful, durable, and perhaps even beautiful.

### WHAT IS A WEB?

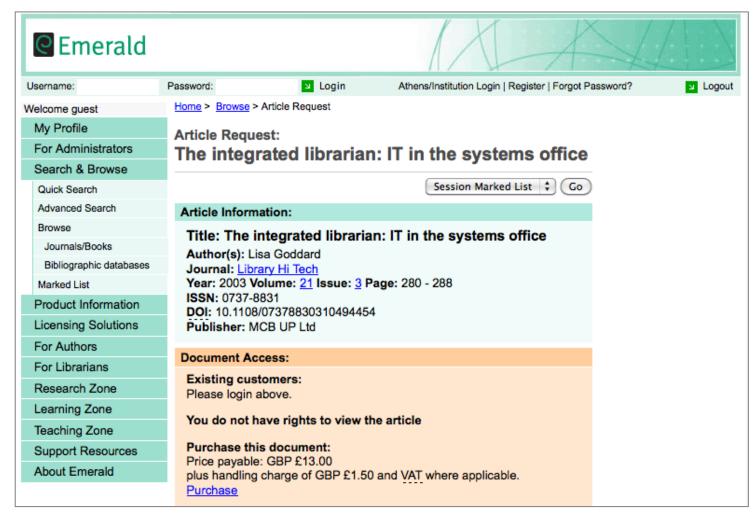
The idea of a web of information was once a technical idea accessible only to highly trained, elite information professionals: IT administrators, librarians, information architects, and the like. Since the widespread adoption of the WWW, it is now common to expect just about anyone to be familiar with the idea of a web of information that is shared around the world. Contributions to this web come from every source, and every topic you can think of is covered.

Essential to the notion of the Web is the idea of an open community: Anyone can contribute their ideas to the whole, for anyone to see. It is this openness that has resulted in the astonishing comprehensiveness of topics covered by 1

<sup>\*</sup> Total includes occupants of buses and other/unknown occupants not shown in table. Changes in injury estimates shown in bold are statistically significant.

# YOU may not have access





# **Current Situation**



- ⇒ Publicly funded research
- ⇒ Faculty time & expertise
- ⇒ Rights given to commercial publisher free of charge
- ⇒ Academic community purchases the work back from publisher

# **Licensed Resources**





70,000+ journal titles 450+ article indexes \$4 million annually











# The "Broken" Journal



- Issues/volumes/pages
- 5000 words
- Many months to publish
- Not truly collaborative
- Limited, elite readership
- Stifle innovation
- Perpetuate global inequity

# **Promotion & Tenure**



- Books & peer-reviewed journal articles highly valued.
- Blogs, wikis, website development, multimedia works, software tools, less so.

# **Open Access Alternatives**



- I. Publish in Open Access journals.
- II. Self-archive in Open Access repositories.

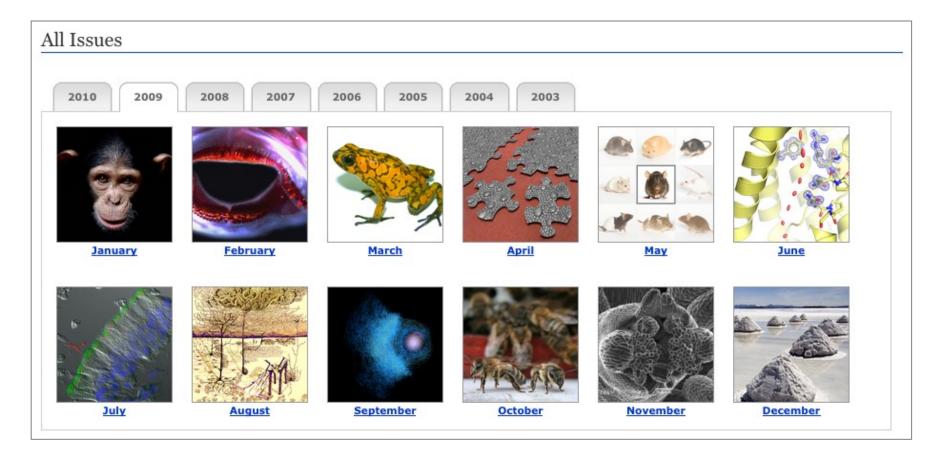
# I. Open Access Journals



- Immediate, universal access
- You retain ownership/control
- Peer-reviewed, scholarly
- Citation advantage

# **PLOS Biology**





# **Mathematics**







# PDF For screen For printing

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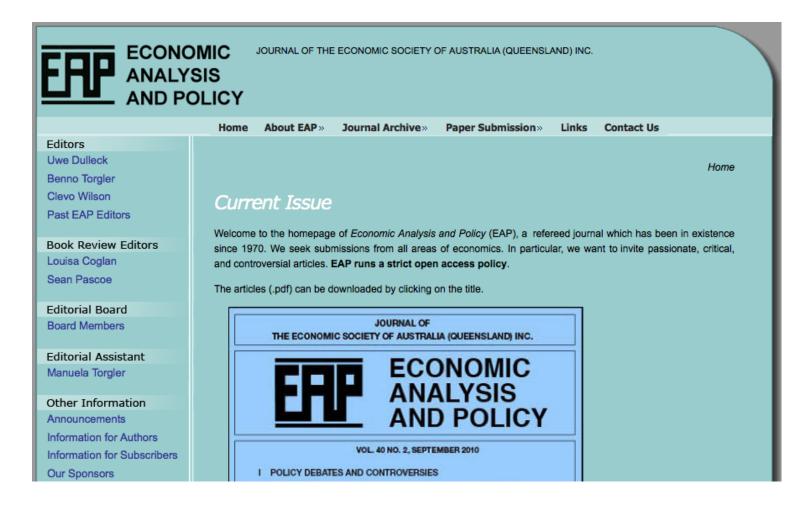
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# **Economics**





# **Finance**



## Banking and Finance Review

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Banking and Finance Review

### Aims and scope

The Banking and Finance Review (BFR) is a bi-annual, peer-reviewed international research journal that provides a publication outlet for theoretical as well as empirical issues in the fields of banking and finance.

The Banking and Finance Review seeks to promote international research that enhances the profession's understanding of banking and finance. The scope of the Banking and Finance Review is broad. It includes studies in the following areas: Banking, Financial Institutions, Corporate Finance, International Finance, Capital Markets, Commodities Market, Derivatives, Risk Management, Insurance, Fixed Income Securities, Alternative Investments, Portfolio & Security Analysis, Investments, Real Estate Finance and other areas of finance that may be of interest to academicians and financial professionals.

The Banking and Finance Review internationally composed board of editors and ad hoc referees guarantee the high quality standard of the journal. Every effort is made to ensure a quick turnaround time; usually the reviewing time does not exceed 60 days.

ISSN:1947-7945 (Print)

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BASE, Cabell's, DOAJ, EBSCO, E-JEL, ECONIS, EconLit, Intute, OAH, ScientificCommons, The National Science Digital Library, and Ulrich's Periodical.

### Open Access Policy:

# Sociology



CJS CANADIAN JOURNAL of SOCIOLOGY		
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The Canadian Journal of Sociology publishes rigorously peer-reviewed research articles and innovative theoretical essays by social scientists from around the world, providing insight into the issues facing Canadian society as well as social and cultural systems in other countries. The journal also features a lively debate/commentary section encouraging the intensive exchange of ideas, along with regular sections such as "Notes on Society" that address topical issues of the day from a social science point of view and "Notes on the Discipline" designed to discuss a variety of issues encountered in the course of the sociological analysis of modern society. Each issue of the journal also has a comprehensive book review section.	Password Remember me Log In  LANGUAGE English	
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# **Education**





### Now Available!

Our current issue, "Education and Economic Crises" (Vol. 12, Issue 2, Spring 2010) focuses on the impact of the recent global financial and economic crises on education and education provision.

**Current Issues in Comparative Education** 

Click the icon to download the current complete issue as a PDF file, or click HERE for the issue index.

### EDITORIAL INTRODUCTION

Education and Economic Crises Andrew K. Shiotani

### ARTICLES

The Effect of an Economic Crisis on Educational Outcomes: An Economic Framework and Review of the Evidence M. Najeeb Shafiq



Current Issue: Spring 2010

Semiannual (Fall / Spring) Volume 1(1) begins Nov. 1998. ISSN: 1523-1615.

# **Classics**





# Where can I publish?



DOA	DIRECTORY OF OPEN ACCESS JOURNALS  SPARC EUROPE AWARD Communications SPARC AWARD Communications SPARC AWARD Communications							
Find Journals	Welcome to the Directory of Open Access Journals. This service covers free, full text, quality controlled scientific and scholarly journals. We aim to cover all subjects and languages. There are now <b>5511</b> journals in the directory. Currently <b>2347</b> journals are							
New titles								
Find articles	searchable at article level. As of today <b>459483</b> articles are included in the DOAJ service.  OA-barometer 2009 published: 20% of peer-reviewed articles across all disciplines are now freely available							
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About	Support the development and operation of DOAJ. Sign up for membership - go to the membership page.  We are very thankful for the support from those of you who have already decided to become DOAJ							
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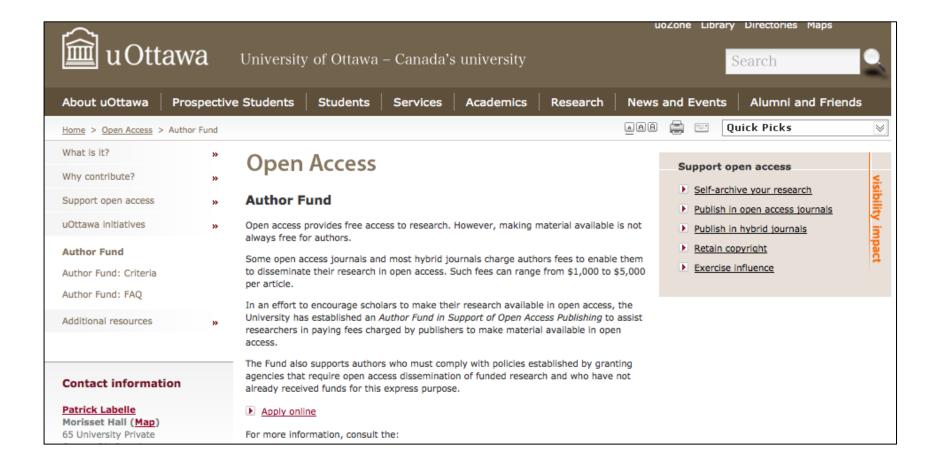
# **Author Fees**



- Some OA journals charge author fees
- Author pays ~\$1500 to defray costs
- After article reviewed & accepted

# **OA Author's Fund**





# **Start Your Own OA Journal**

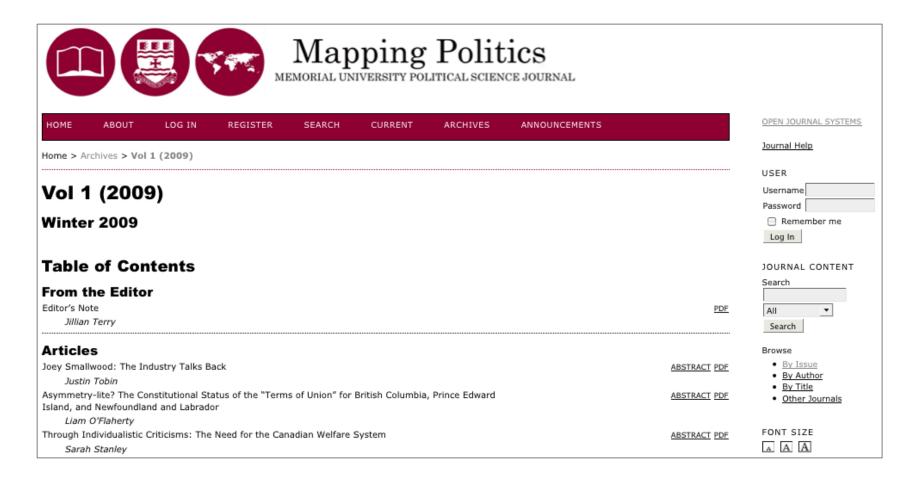


Memorial University Libraries - Electronic Journals						
HOME ABOUT LOG IN REGISTER SEARCH	OPEN JOURNAL SYSTEMS					
Home > Memorial University Libraries - Electronic Journals	Journal Help					
Memorial University Libraries - Electronic  Journals  The Electronic Journals platform provides a full suite of services for creating and hosting on-line journals, including mechanisms for article submission, peer-review workflow, journal layout, reader access, and long term archiving. OJS will be of interest to Memorial University faculty who are planning to launch a new electronic journal, those who are looking for an electronic delivery platform for journals that currently exist only in paper, or those who would like to repatriate an electronic journal currently hosted elsewhere. Students will also be welcome to participate in the project, and the library will provide technical support to those interested in creating an on-line journal, or an on-line version of an existing journal. For more information please contact Lisa Goddard.	USER Username Password  Remember me Log In  LANGUAGE English  JOURNAL CONTENT Search					

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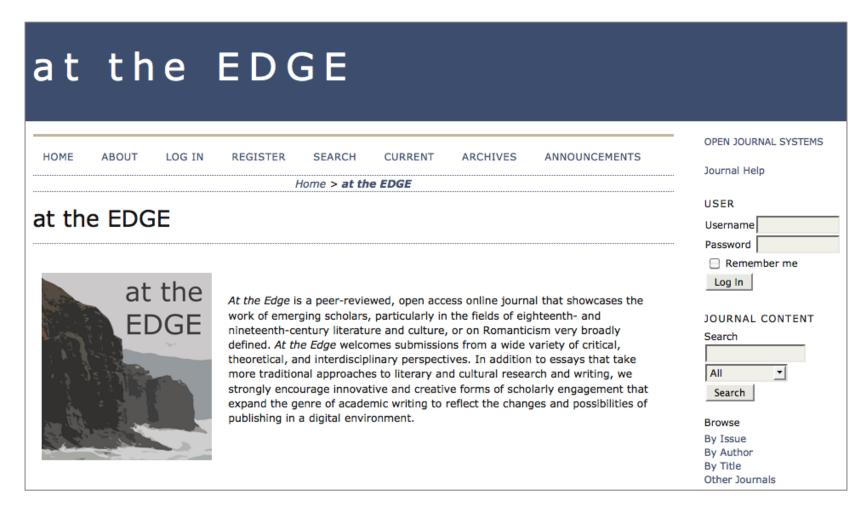
# Open Access Journals @ MUN





# **Open Access Journals @ MUN**





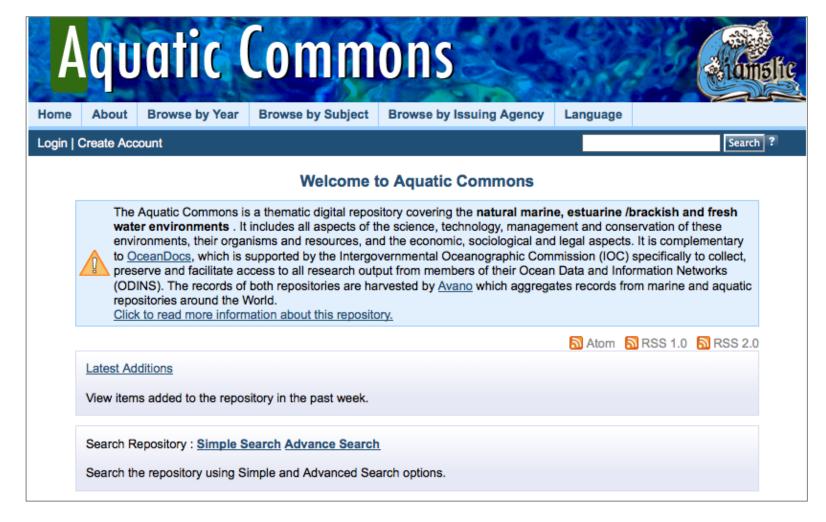
# **II. Open Access Repositories**



- Publish in traditional journals
- Archive a copy of your work in an Open Access Repository

# **Subject Repository**





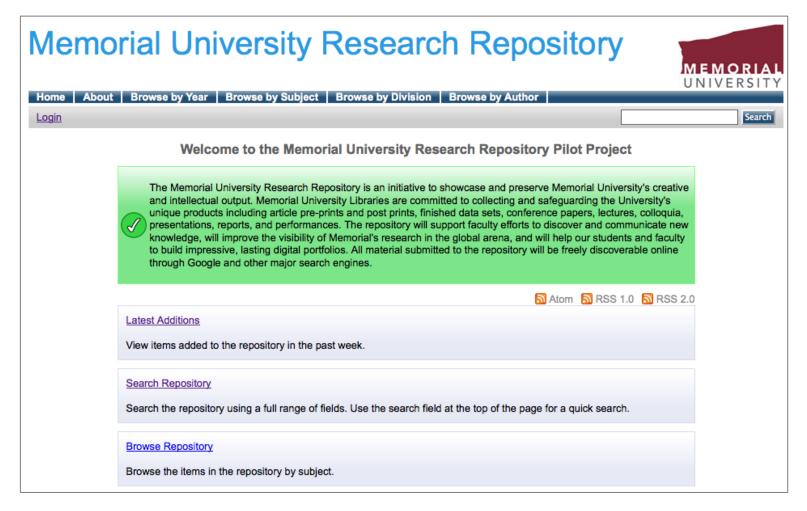
# **Institutional Repository**





## **Memorial**





# **Archiving Published Works**



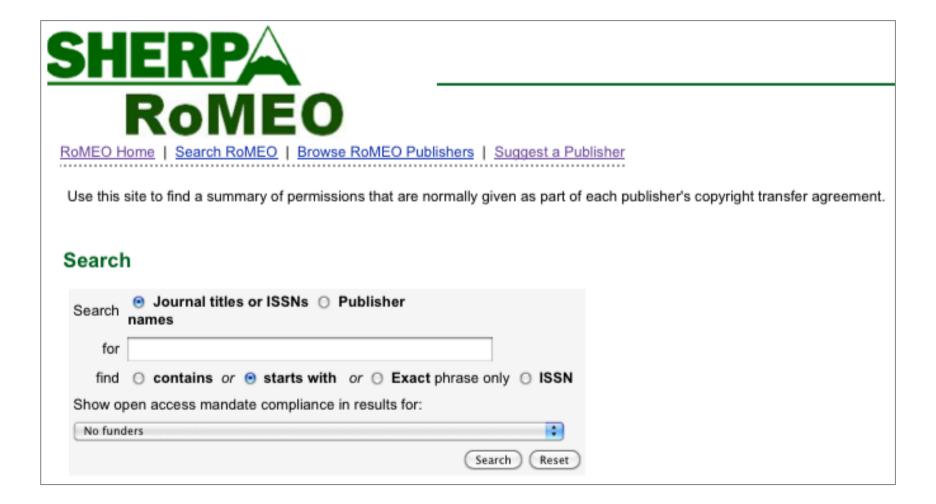
#### **Published Works**

Peer-reviewed articles Book chapters

Is that legal?

# **Publisher Archiving Policies**





# **Publisher Archiving Policies**



Journal: Marine Biology -Berlin- Springer Verlag- (ISSN: 0025-3162)

Publisher: Springer Verlag

This summary is for the publisher's *default* policies and changes or exceptions can often be negotiated by authors.

All information is correct to the best of our knowledge but should not be relied upon for legal advice.

Publisher:	Springer Verlag (Germany)
Author's Pre-print:	✓ author can archive pre-print (ie pre-refereeing)
Author's Post-print:	✓ author can archive post-print (ie final draft post-refereeing)
Publisher's Version/PDF:	author cannot archive publisher's version/PDF

# **Archiving Unpublished Works**



## **Unpublished Works**

**Presentations** 

Reports

Lectures

**Teaching Aids** 

Data sets

Performances

Video, multimedia

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- you retain copyrights
- allows you to prevent some uses of a work, authorize others.



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### **OA Journals**







# **OA Repositories**







Microsoft PowerPoint - Presentation

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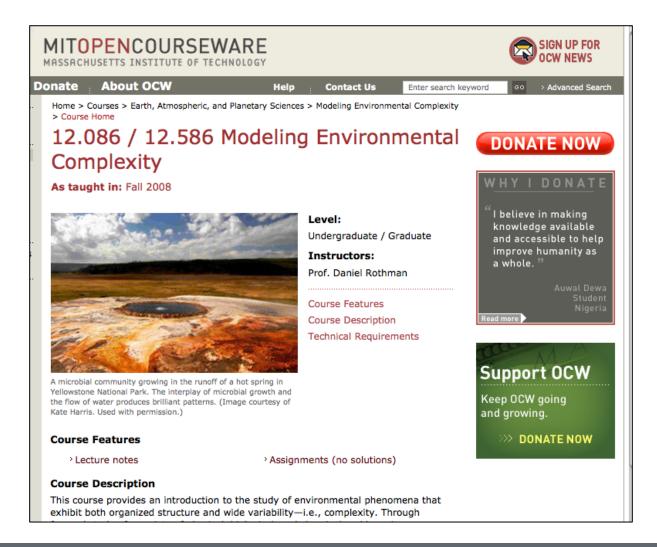
#### Abstract

The culture of "Open" has a great deal to offer educators as they struggle to redefine teaching and learning in the context of ubiquitous connectivity, social media, and collaborative knowledge creation. The social web has empowered every person with internet access to publish & distribute information globally. No longer is "knowledge" owned and meted out by gatekeeper organizations. Commercial publishers of textbooks, academic journals, and educational software are increasingly challenged by free content that is being collaboratively developed by a distributed community of experts. The Open Access movement has convinced faculty members and academic libraries to reconsider traditional scholarly publishing models. The Open Textbook movement has exposed cheaper and more efficient ways to create, update, and distribute textbooks. The Open Courseware movement has successfully launched thousands of free online courses. The Open Data movement agitates to make government and other publicly funded data available freely online. This session aims to introduce the audience to the principles of Open Access, to summarize major post-secondary initiatives in this area, and to outline strategies for students and faculty who wish to participate in and support the movement towards Open Education.



# **MIT Open Courseware**

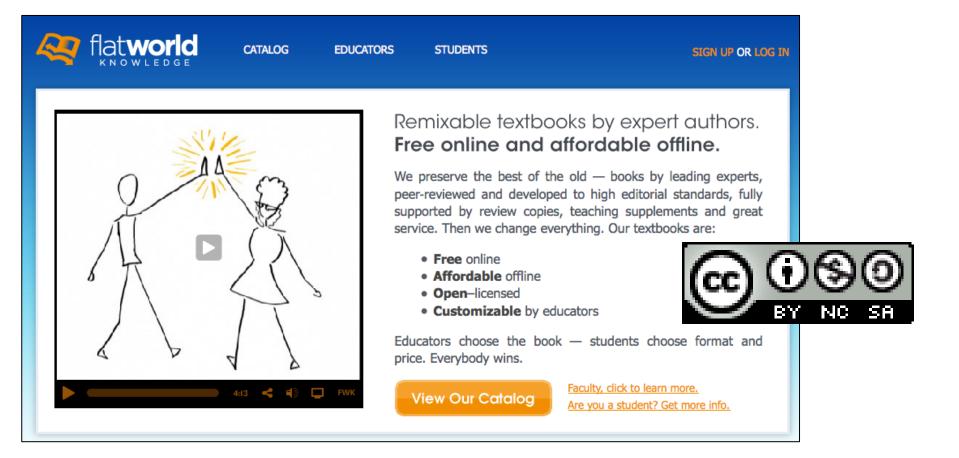






# **Open Text Books**





# **Open Educational Resources**



#### **VR MOLECULES PRO**

Interactive simulation of molecule vibration and rotation modes

[Français]

#### **Marc Couture**

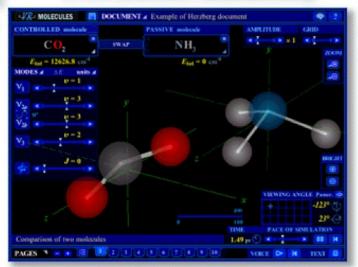
Télé-université, Université du Québec à Montréal (Canada) with the collaboration of Alexandre Ayotte, Cyberlude Inc.



Choose between 24 molecules

Explore
energy and
vibration /
rotation
modes

Display a single molecule or two molecules simultaneously



Control molecule appearance and size

> Observe molecules from all viewpoints



# **Faculty Engagement**

### **P&T Fears**



# Will OA publishing effect my ability to get tenure or promotion?

# US Federal Research Public Access Act of 2009



- Federal agencies with extramural research expenditures of over \$100,000,000
- Results from research supported, in whole or in part, by gov funding must be made freely available online

## **National Science Foundation**



Investigators are expected to share with other researchers, within a reasonable time, the primary data, samples, physical collections and other supporting materials created or gathered in the course of work under NSF grants.

# **CIHR OA Policy**





## **P&T Solutions**



#### Statement of support from Administration

#### Open Access at Concordia University A Report for the Office of Research

By Kathleen Shearer, MLIS, Consultant

March 27, 2009

Academic freedom and openness are the hallmarks of scholarship. Researchers publish their results, not for financial return, but to enable other researchers to build upon them and to contribute to the progress of knowledge in their fields. As such, most scholars want to share their work as widely as possible with colleagues, students, and others who may be interested.

The current scholarly publishing system does not reflect these needs and values. Skyrocketing costs of journal publications are greatly inhibiting the availability of research results. The problem may

# **Collective Agreement**



We will regard a record of open access publication as evidence of service to the community, in evaluation of applications for faculty appointments, promotions and grants.

## **Institutional OA Policies**



- Collective, university-wide action.
- Faculty agreements to retain author rights, and allow open access to intellectual output.

### **Harvard**





#### **BERKMAN CENTER FOR INTERNET & SOCIETY**

AT HARVARD UNIVERSITY

#### Harvard goes Open Access

February 13, 2008

From Berkman Fellow Melanie Dulong de Rosnay...

Yesterday, Harvard University's Faculty of Arts and Sciences (FAS) unanimously <u>voted</u> a motion on open access policy. FAS Faculty members now grant to the university a non-exclusive, irrevocable, worldwide license to distribute their scholarly articles, provided it is for non commercial uses. An opt-out mechanism allow Faculty members to waive this mandatory assignment upon request for some articles, for instance in the case of incompatible rights assignment to a publisher...

This mandated permission to the university contrasts with other approaches to open access, such as:

- self-archiving mandate, or obligation for authors to deposit their articles in open access repositories (research funded by NIH in the US, European Research Council, Wellcome Trust deposit mandate in the UK)
- negotiation by individual authors, without the bargaining power of an institution, to retain some of their rights to reuse and archive pre-print and/or post-print, immediatly or after an embargo period, through copyright addendum to be attached to publisher's copyright agreement, such as those proposed by <u>Science Commons Scholar's Copyright Addendum Engine</u>, developed with SPARC and MIT,
- publication in open access journals, where authors' institutions often have to pay to be published (up to 3000\$ per article), instead of the library having to pay a subscription to access to published articles.

## MIT



#### massachusetts institute of technology MITnews search architecture and planning humanities, arts, and social sciences multimedia engineering campus science management press MIT faculty open access to their scholarly articles today's news March 20, 2009 related Power from motion comment ☐ print + share Bish Sanyal and vibrations CAMBRIDGE, Mass., March 20 - In a move aimed at broadening access to MIT's Hal Abelson research and scholarship, faculty at the Massachusetts Institute of Technology have voted to make their scholarly articles available to the public for free and open access on the Ann Wolpert Web. **DSpace** The new policy, which was approved unanimously at an MIT faculty meeting on Wednesday, March 18 and took immediate effect, emphasizes MIT's commitment to MIT Libraries disseminating the fruits of its research and scholarship as widely as possible. Forget about batteries. The MIT OpenCourseWare ability to harness electricity "The vote is a signal to the world that we speak in a unified voice; that what we value is from tiny vibrations could

the free flow of ideas," said Bish Sinyal, chair of the MIT Faculty and the Ford International

Professor of Urban Development and Planning.

power a new generation of

electronic devices.

contact

# **Funding Models**



- Many models transfer the costs of scholarly publishing to the university.
- Author's fees, publishing platforms
- BUT we already pay, so it's just a redirection of funds.

### **OA Success**



 20% of peer-reviewed articles across all disciplines are now freely available

# **The Tipping Point**



Student Movement Public Funding

Agencies

Three

Strikes Law

**Digital Locks** 

**Public Data** 

Industry

Pressure

Corporate

Money

**Gated Sites** 

Digital Rights

Management

Commons

Creative

Open Access

Open

Education

## What can I do?



- Publish in OA journals
- Archive in Research Repositories
- Use Creative Commons licenses on your unpublished works
- Share your data
- Support OA initiatives on campus

# **Right to Research**



#### THE RIGHT TO RESEARCH COALITION

#### The Right to Research

Tell Congress you support the Federal Research Public Access Act

Act Now! www.taxpayeraccess.org/frpaa

#### Students can't access research essential to their education.

Over the past 20 years, the price of subscriptions to scholarly journals has increased over 260%, and even before the current recession, library budgets could not keep up with the staggering increase in journal prices. Journal prices continue to increase rapidly, yet libraries are lucky to see their budgets remain the same and many face sharp cutbacks due to weak economic conditions.

While some publishers continue to make 30% profit margins, students on campuses across the country are in danger of losing access to journals that provide them with cutting edge research – research crucial for a complete education in any field of study. Over the past year, the situation has become so serious that it has led a major university provost to call the acquisition of scholarly journals "one of the most daunting challenges that research universities face."

This unsustainable system must change. Students deserve the best possible education and should not be artificially constrained by the selection of scholarly journals their campus is able to provide.

The Student Statement on the Right to Research

**The Student Statement** 

For student organizations

For student governments

For libraries

Student Outreach Toolkit

Support Open Access:

JOIN the coalition