Open Sharing, Global Benefits

The OpenCourseWare Consortium
www.ocwconsortium.org
Opening education: What, Who, Why? (and how libraries can lead)
What?
What is the open education movement?
Basically, it’s an idea.
Basically, it’s an idea: *Sharing is good.*

http://www.flickr.com/photos/opensourceway/4424154829/in/photostream/
Sharing is good.

Freely and openly sharing high quality educational materials supports formal and informal education, broadens access to knowledge and allows for significant innovation in education.
What is the Open Education movement?

Basic beliefs:

• Education = sharing knowledge
• Openly sharing and using shared materials benefits all
• Sharing high quality educational materials facilitates improvements in teaching and learning
What are Open Educational Resources?

- Shared educational materials
- Openly licensed for distribution, re-use and modification
- Available to anyone via the internet (and often other means)
What is OpenCourseWare?

• High quality educational materials organized as courses

A course is package of educational materials starting a particular point in the knowledge spectrum, designed to lead to greater understanding of the issue or topic

• Openly licensed for distribution, re-use and modification, available to all on the internet
Who we are
Over 250 institutions and organizations worldwide
We support the open education movement
Focused on higher education
Number of original courses reported by OCW Consortium members

- Oct-03: 511
- Apr-04: 550
- Oct-04: 760
- Apr-05: 995
- Oct-05: 1305
- Apr-06: 1747
- Oct-06: 3188
- Apr-07: 3845
- Oct-07: 4634
- Apr-08: 6023
- Oct-08: 7549
- Apr-09: 9776
- Oct-09: 12804
- Apr-10: 13132
- Oct-10: 14768

6 Months
Who’s involved in open education?

Institutions

[Logos of various universities and institutions]
Who’s involved in open education?

Policy makers

REGULAR MEETING AGENDA ITEM
June 17, 2010

☐ Discussion  ☑ Action (Resolution 10-06-30)

Topic
Open Licensing on Competitive Grants

Description

SBCTC Policy Proposal: All digital software, educational resources and knowledge produced through competitive grants, offered through and/or managed by the SBCTC, will carry a Creative Commons Attribution License.

http://www.sbctc.edu/general/admin/Tab_9_Open_Licensing_Policy.pdf
Dear Mr. Prime Minister,

Our success in the knowledge economy hinges to a large extent on upgrading the quality of, and enhancing the access to, education. One of the most effective ways of achieving this would be to stimulate the development and dissemination of quality Open Access (OA) materials and Open Educational Resources (OER) through broadband internet connectivity. This would facilitate easy and widespread access to high quality educational resources and drastically improve the teaching paradigm for all our students. As a part of our consultative process, we constituted a working group of experts, including distinguished members from the academia, government, private sector and users to suggest necessary measures to improve the quality of Open Access in India. A list of the members of the working group is set out in the Annexure. Our consultations with stakeholders have helped identify a few key reform proposals which are elaborated as follows:

1. **Support the production of quality content by a select set of Indian institutions.** A set of key institutions should be selected and experts representing diverse knowledge areas like agriculture, engineering, medicine, arts, humanities, science, education, etc. should be asked to develop standards-based content, which can be customised to diverse user needs. This should be made available not only to Indian institutions but also for global use. The efforts made through the project of Ministry of Human Resources Development – National Programme on Technology Enhanced Learning (NPTEL) for creation of OER in the areas of Engineering and Technology should be applied in other areas of education also. The content in the repositories should be multi-media, interactive and available in different regional languages. These projects should cover a wide range of subjects mentioned above. To speed up the creation, adaptation, and utilization of OER, it is necessary to launch a ‘National Econtent and Curriculum Initiative’.

2. **Leverage global open educational resources.** Sustainable development of quality content relevant to India is a difficult and expensive proposition, given the diverse needs of various sectors in our emerging knowledge economy. Emerging international and national initiatives are offering quality educational content as open resources. It is vital for India to leverage these initiatives as they are readily available for adoption and adaptation and to serve as a model for...
Who’s involved in open education?

Policy makers

8 July 2010: Congressional Hearing on OER in Brazil

http://www.flickr.com/photos/reanetbr/sets/72157624349249017
Who’s involved in open education?

*Users*

- Student - secondary
- University student - first degree
- University student - advanced degree
- Faculty/Teacher
- Self Learner
- Working professional
- Employer
Who’s involved in open education?

Users

How do you use OCW materials?

- Understand concepts I’m studying: 40.00%
- Help with a project or task: 20.00%
- Update skills for work: 60.00%
- Create teaching materials: 10.00%
- For my own interest: 50.00%
- Other: 0.00%
Who’s involved in open education?

People

Walter Lewin, Professor Emeritus, MIT

“I get about 30 e-mails every day about my videos. And I answer each and every one of them. People are so excited to learn physics. Sharing these materials is the best thing I ever did in my whole teaching career.”
Pierre Far, used OER when completing his PhD in Genetics

Wanted to better understand statistics in papers he was reading, so he used OpenCourseWare. Thought it was useful, but hard to discover, so he developed his own search tool OCWsearch.com
Who’s involved in open education?

People

Alex Guttenplan, captain of Emmanuel College University Challenge team (UK)
“I’ve used OpenCourseWare to learn more about my subjects, and stuff that I wasn’t taking at school. It’s brilliant.”
Why?
Why? Philosophical

- Expanding access to education & knowledge
- Building on others’ ideas
- Creating possibilities for new educational systems
- Maximizing educational dollars
Why? Institutional benefits

- Showcasing existing courses and educational quality

  - transparency = respect & trust

  - good public relations
Why? Institutional benefits

• Strengthen teaching and learning outcomes
  – Provide examples of excellence for faculty and students
  – Professional development
  – Supports student learning
  – Can lead to partnerships, collaborations, recognition
Why? Outreach benefits

• Bridge between secondary and higher education
  – Skill and knowledge courses available to prepare students for higher education
  – Assist disadvantaged learners and those returning to education
  – Insure good fit between student and institution
Why? Outreach benefits

- Workforce development
  - Updating skills
  - Retraining sectors that are downsizing or becoming dated
  - Pathways to short courses or certificates

US Department of Labor $2,000,000,000 TAA grant specifically to support creation of job retraining OER
Why? Innovation

- Current global higher ed system can’t reach everyone who wants an education.
- Cost and access barriers to current system.
- Systems don’t serve everyone equally well.

UNESCO's world conference on Higher Education projects that post-secondary education will need to provide places for an additional 98 million learners over the next 15 years. Stated differently, this would require "require more than four major universities (30,000 students) to open every week for the next fifteen years". (Daniel 2011.)
ABOUT US AND HOW TO GET TUITION-FREE ONLINE EDUCATION

University of the People (UoPeople) is the world’s first tuition-free online academic institution dedicated to the global advancement and democratization of higher education. The high-quality low-cost global educational model embraces the worldwide presence of the Internet and dropping technology costs to bring university-level studies within reach of millions of people across the world. With the support of respected academics, humanitarians and other visionaries, the UoPeople student body represents a new wave in global education.

Mission
UoPeople is a nonprofit organization devoted to providing universal access to higher education.

http://www.uopeople.org/groups/tuition-free-education
Our Vision, Our Mission, Our Strategy

The Saylor Foundation (under its legal name, The Constitution Foundation) is a 501(c)(3) non-profit organization headquartered in Washington, D.C. The Foundation was established in 1999 by Michael J. Saylor, Chairman, CEO, and President of the business intelligence company Microstrategy. Mr. Saylor serves as the Foundation's sole trustee.

While the Foundation supports a number of causes, its focus since 2008 has been its Free Education Initiative, through which we hope to "make education freely available to all."

Our Vision

We believe that everyone, everywhere should have access to a college education. This website will serve as a zero-cost alternative to those that lack the resources to attend traditional brick-and-mortar institutions and, if they are willing, a complement to mainstream education providers. We expect free, asynchronous, web-based learning opportunities to motivate people to pursue personal growth and career ambitions as well as lead to institutional change amongst education providers everywhere.

We recognize that the rich experience of attending a traditional brick-and-mortar institution can never be fully replicated in a virtual setting. There are, for example, no online substitutes for the benefits of face-to-face interaction with peers in a classroom or during office hours with a professor. In recognizing these limitation, we offer our online programs as a cost-free alternative path for those who are unable to access a traditional education.
OER university (#oeru)

Towards free learning for all students worldwide

Who we are

The OER university is a virtual collaboration of like-minded institutions committed to creating flexible pathways for OER learners to gain formal academic credit.

The OER university aims to provide free learning to all students worldwide using OER learning materials with pathways to gain credible qualifications from recognised education institutions. It is rooted in the community service and outreach mission to develop a parallel learning universe to augment and add value to traditional delivery systems in post-secondary education. Through the community service mission of participating institutions we will open pathways for OER learners to earn formal academic credit and pay reduced fees for assessment and credit.

Inaugural meeting | Contact

News

Athabasca University, the OER Foundation, Otago Polytechnic and the University of Southern Queensland have released a report entitled OER University: Towards a logic model and plan for action. The report documents the planning framework for building the OER university.

The OER Foundation hosted a strategic international planning meeting for the OER university on 23 February 2011 attracting participants from 46 countries. Read more...

Live microblog feed

Identi.ca #oeru Feed

Wayne Mackintosh: Prof.lim Taylor (USQ)
Open Badges: How does it work?

**Badges Issuers**
- After-School Program
- Online Learning
- Culinary Institute

**Badges**
- Badge 1
- Badge 2
- Badge 3

**Learner**

**Badge Backpack**

**Your Website**

**LinkedIn / Facebook**

**Wordpress / Tumblr**

**Resume and Employment Sites**

https://wiki.mozilla.org/Badges
How can libraries lead?
Characteristics of a library

- Materials repository
- Archive
- Evolving hub for knowledge
- Houses different collections
- Serves a variety of users
- Users can select what is relevant to them, modify for their use and can contribute to the body of knowledge and materials
- Supports educational pursuits
- Community center for idea exchange
- Public good
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These also describe Open Educational Resources
Commitment to sharing knowledge and improving access to education

Expertise and experience to advance learning in the digital age
How?

Infrastructure expertise:

- Copyright
- Metadata
- Indexing
- Storage
- Search and discovery
- Creating and maintaining repositories
- Sharing resources among disbursed repositories
How?

Relationships:

• Libraries sit at the heart of universities – have unbiased relationships with all departments and units
• Librarians are trusted partners in academics
• Already doing outreach with faculty, staff, students on available resources
How?

You already have the skills, expertise and commitment to lead open education at your university

http://www.flickr.com/photos/wfryer/2516648940/
advancing formal and informal learning through the worldwide sharing and use of free, open, high-quality education materials organized as courses.

Resources:

[www.ocwconsortium.org/communities/toolkit](http://www.ocwconsortium.org/communities/toolkit)

Reaching the Heart of the University: Libraries and the Future of OER

Pieter Keymeer, Molly Kleinman, Ted Hanss (U Michigan)

[http://hdl.handle.net/2027.42/78006](http://hdl.handle.net/2027.42/78006)
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www.ocwconsortium.org
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    Korea OpenCourseWare Consortium
    Massachusetts Institute of Technology
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    OpenCourseWare Universia
    Open Universiteit
    Tecnológico de Monterrey
    Tufts University
    Universidad Politécnica de Madrid
    University of California, Irvine
    University of Michigan
    University of the Western Cape

And contributions of member organizations