INTRODUCTION TO OPEN ACCESS FOR LIBRARIANS

INA SMITH

1. Webinar will start at 10:00 promptly.
2. Please keep your microphone and webcam turned off (muted) while the presentation is in progress.
3. Questions to the presenter can be typed in the text box, or asked at the end. The presenter will respond at the end of the session.

Also join LIASA HELIG on facebook! Have you renewed your membership for 2015 yet?

Thank you for your support!
Welcome to Demo Meeting!

For help on using BigBlueButton see these tutorial videos.

To join the audio bridge click the headset icon (upper-left hand corner). Use a headset to avoid causing background noise for others.

This server is running BigBlueButton.

Welcome! Click below to watch a tutorial video.

**Moderator/Presenter**

You control the audio and can make anyone (including yourself) the presenter.

**Viewer**

You can view, chat, and listen. If enabled, you can also unmute and share your webcam.

A green checkmark appears when you have joined the audio. Click to join/leave the audio.

**Users**

Click to make this user the presenter.

Click to mute/unmute this user's microphone.

If you need help with audio, watch Setting up Audio.

![Diagram showing the interface of BigBlueButton](image-url)
Open Access (OA)

Ina Smith

Setting the Scene
School Libraries
Public Libraries
Academic Libraries
Discussion
Introduction

SETTING THE SCENE
We are all connected ...
Research to benefit all

First World Problems

Needs Problems
What is Open Access (OA)?

<table>
<thead>
<tr>
<th>operating profit</th>
<th>company</th>
<th>industry</th>
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<tbody>
<tr>
<td>7%</td>
<td>Woolworths</td>
<td>supermarkets, pokies</td>
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<tr>
<td>12%</td>
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<td>23%</td>
<td>Rio Tinto</td>
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<td>35%</td>
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</tr>
<tr>
<td>40%</td>
<td>Wiley</td>
<td>scholarly publishing</td>
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</table>
Activity - Poll

http://bit.ly/1S6KjBf
LIASA Open Access Project

**Berlin Declaration** to Open Access in the Sciences and Humanities (6 Oct. 2011)

SA Journal of Libraries and Information Science

**Open Access Week** Project 19-25 October 2015
“Open for Collaboration”
OPEN ACCESS WEEK

LIASA became a signatory to the Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities on 6 October 2011. View the signed LIASA commitment.
Open Access defined ...

“By Open Access, we mean the **free, immediate, availability** on the public Internet of those works which scholars give to the world without expectation of payment – permitting any user to **read, download, copy, distribute, print, search or link** to the full text of these articles, **crawl** them for indexing, pass them as data to software or use them for any other lawful purpose.”

Timeline (1990 - ): [http://legacy.earlham.edu/~peters/fos/timeline.htm](http://legacy.earlham.edu/~peters/fos/timeline.htm)

Source: [http://www.sparc.arl.org/resources/open-access/why-oa](http://www.sparc.arl.org/resources/open-access/why-oa)
Creative Commons Licensing

The Licenses

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http://creativecommons.org/licenses/
"...the library is misunderstood as a repository of books. The library is a repository of information, and a sharing, and providing of access to information, and guide to using it. The book has been the platform for how to do that. New technology now enables us to fulfill our mission at an exponentially higher level."
Traditional library

Building containing information resources
Information sources in print format
Open 6 days a week, limited hours
Users (downloaders)
Collection development
Acquisition, processing, storage, indexing, organising
One user, one source
Currency of publications
Challenges e.g. lost & damaged copies
Costs associated with print
Physical space
Geographical areas
And more ...
Library in the digital age

*World Wide Web* containing information resources

Information sources in *digital* format

Open *24/7*

**Users** (downloaders) & **Contributors** (uploaders)

All users can help **build collection**

**E-Acquisition**, processing, storage, indexing, organising

**Once source, many users**

**Currency** of online resources

**Challenges** e.g. username & password, downtime

**Subscription** costs

**Virtual space**

**Global**

And more ...
Traditional vs Digital

“Quality”

Access
Open Access ...

No username, no password

Same quality as research behind paywall

http://blogs.library.duke.edu/blog/2013/10/11/open-access-panel-discussion/
Why “Open” Access?

Research is expensive – funded with tax payers’ money.

Publishing research on WWW comes at minimal cost.

Open access accelerates pace of scientific discovery, encourage innovation, enrich education, stimulate economy – to improve public good …

http://www.sparc.arl.org/resources/open-access/why-oa
Open Access can save lives

Jack Andraka (16) invented a diagnostic test for pancreatic cancer
Activity - Video

https://www.youtube.com/watch?v=G55hlnSD1Ys
Open Access to advance innovation

Elon Musk released patents as OA to advance innovation in electrical vehicle movement

http://www.dailytech.com/Elon+Musk+Freely+Offers+All+Tesla+Motors+Patents+to+Everyone+Hopes+to+Spur+EV+Movement/article36047.htm
SA Bill of Rights

Everybody has the right to ...

- Education
- Information

http://constitutionallyspeaking.co.za/bill-of-rights/Information
http://www.belgrade-meu.org/beum-herald/
Information needs

Start a private company
Pet care
News from all over the world
Find a hotel, directions, how to get there
Medical diagnosis
Play an instrument
Law e.g. wrongful dismissal
Find a house
Telephone directory
Tim Berners-Lee (8 June 1955 - )
English Computer Scientist & Inventor of WWW
Internet (incl. WWW)

- Library
- Newspaper
- Radio
- Academic Journals
- Conferences
- Mail
- Music
- Videos
- Popular Magazines
"The WorldWideWeb (WWW) project aims to allow all links to be made to any information anywhere. [...] The WWW project was started to allow high energy physicists to share data, news, and documentation. We are very interested in spreading the web to other areas, and having gateway servers for other data. Collaborators welcome!"

—from Tim Berners-Lee's first message
“Very soon, millions more sensors, appliances and other devices large and small will take the web to new places. The potential excites me and concerns me at the same time -- that makes the web worth our ongoing stewardship. We must build and defend it now so that those who come to it later will be able to create things that we cannot ourselves imagine.

I believe that the future of the web is under threat from some governments that may abuse their powers, some businesses that may try to undermine the open market, and from criminal activity.”

http://www.wired.co.uk/magazine/archive/2014/03/web-at-25/tim-berners-lee
“The good news is that the web has openness and flexibility woven into its fabric. The protocols and programming languages under the hood -- including URLs, HTTP, HTML, JavaScript and many others -- have nearly all been designed for evolution, so we can upgrade them as new needs, new devices and new business models expose current limitations.”

http://www.wired.co.uk/magazine/archive/2014/03/web-at-25/tim-berners-lee
“Open platforms let users choose which software to install. The open-data movement seeks to boost governments' economic efficiency, knowledge and public trust by liberating people's data. Like decentralisation, openness empowers people, contributing to the innovation that produces economic and social gains.”

http://www.wired.co.uk/magazine/archive/2014/03/web-at-25/tim-erners-lee
“It seems unthinkable that the web is already 25 years old, and many of us can barely imagine life without it. We all helped to build this, and the web's future still depends on us. All of us must use our creativity, skills and experience to make it better: more powerful, more safe, more fair and more open.”

http://www.wired.co.uk/magazine/archive/2014/03/web-at-25/tim-berners-lee
“Let us choose ... the Web We Want, and thus, the World We Want.”

TIM BERNERS-LEE
School (& Public) Libraries
Open Access for School Libraries
Role of school library

Help learners to ...

- Develop critical thinking skills
- Foster innovation, inquiry, curiosity
- Find answers – solve problems
- Evaluate information
- Construct new knowledge
- Different learners, different needs
- Needs of facilitators/teachers
Benefits of OA

Find quality & relevant literature
Contributes to core mission of advancing knowledge
Democratizes access across all institutions – regardless of budget/size
Enriches quality of education
Ensures access to all learners need to know, rather what school can afford
Contributes to better-educated workforce
Self-learning & citizen scientists

http://www.sparc.arl.org/resources/open-access/why-oa
Public Libraries 2020
Public libraries are about empowering citizens. They give them a space to learn, to develop and to share their knowledge with others. We’re kicking off a 1 week countdown to the launch of our Libraries Change Lives (e)publication, marking each day with great facts and stories about public libraries across Europe. Stay tuned!
Rijeka City Library’s innovative 3D printing project in action - children and parents watch with fascination as a newly-printed object emerges.
Download

Download all the Brothers Whim books for free right here.

Stick’s Masterpiece
Book 1 – Stick’s Book Series

- ePub
- PDF
- Mobi
- Kindle
- Hi-resolution illustrations
- Video: download mp4

- Watch on YouTube
Welcome to Aaron's home page! Here are loads of free treats and resources for teachers, librarians, storytellers, children's authors, parents, kids, and more—all from award-winning author Aaron Shepard. You'll also find info on Aaron and his books. (Self publishers, though, should go here.)

So, where are the goodies? A complete menu is below. Just scroll down and enjoy.
Children’s classics
Images

Open Collections

Here we list openly licensed datasets from several cultural institutions. All collections provide digital scans or photos that can be freely used without any restrictions. We first list the datasets that are completely in the Public Domain; below that we list the sets that are licensed under an open Creative Commons license (CC-BY-NC-ND-SA). The sets within each list have been ordered alphabetically.

This is an ever expanding list so if you know of datasets that are not listed here, get involved. Please also let us know if you have published, received or re-used the data in any way.

Enjoy!

Public Domain Collections

Filter .... 19 matching (out of 19)

ATLAS OF MUTUAL HERITAGE
NL
The Atlas of Mutual Heritage (AHH) is a project set up by the Dutch Rijksmuseum, Rijksdienst voor Cultureel Erfgoed, Koninklijke Bibliotheek (National Library) and Nationaal Archief (National Archives). It contains reproductions of old maps, prints and other images related to the Dutch East India Company and West India Company. It contains more than 6000 reproductions, the vast majority of which is in the public domain.

BRITISH LIBRARY 1M PUBLIC DOMAIN IMAGES
UK
The British Library has released over a million images onto Flickr Commons for anyone to use, remix and repurpose. These images were taken from the pages of 17th, 18th and 19th century books digitised by Microsoft who then generously gifted the scanned images back, allowing the British Library to release them back into the Public Domain.
Tutorials, Games, Apps

Learning Games For Kids

Educational games are a great tool for building foundation math and language skills that today's elementary school curriculum requires. These online learning games and songs for kids are fun, teach important skills for preschool and elementary school kids and they're free. Want educational games that help build skills in math, language, science, social studies, and more? You've come to the right place!
Encyclopaedias
Dictionaries

Open Dictionary

Welcome to Scholarpedia

the peer-reviewed open-access encyclopedia, where knowledge is curated by communities of experts.
General knowledge

25 of the strangest objects ever found inside a human body.

This is AMAZING! It's like waves in the sky. Seriously, this video looks like something out of Harry Potter.

**25 Strangest Things Found on an X-Ray**
www.iflscience.com

Usually when a person needs an x-ray done, it's to examine a broken arm or leg. In the video below though, doctors found much weirder things lodged in their patients. Scissors, grenades, batteries, wedding rings, chair legs, nails, and bathroom taps...

**Amazing Timelapse Of Asperatus Clouds Reminds Us That Clouds Can Act As A Fluid Too!**
www.iflscience.com

Check out this absolutely EXTRAORDINARY time-lapse of Asperatus clouds taken in Lincoln NE, on July 7 2014 by storm-chaser Alex Schueth.
Open Educational Resources (OERs)

Learning and teaching materials, freely available online for anyone to use

- [http://www.jisc.ac.uk/publications/programmerelated/2013/Openeducationresources.aspx](http://www.jisc.ac.uk/publications/programmerelated/2013/Openeducationresources.aspx)
- [http://teacherswithoutborders.org/resource/open-education-libraries](http://teacherswithoutborders.org/resource/open-education-libraries)
Your Commons, Their Future

We are a dynamic digital content hub offering a suite of OER supports. From roadmaps to training to tools, we'll get the right OER to your students.

OUR SOLUTION

https://www.oercommons.org/
Educators and students around the world contribute to Wikipedia and other Wikimedia projects for class assignments.
School libraries promoting OA

Repository of learning & teaching material (OER)
Repository of test and exam papers
Repository of school photos, documentation, newspaper clippings
Web page/blog with useful links for teachers & learners
Network internationally
Join existing projects
Awareness – OER’s
Open Access Week
And more ....
Public Libraries
Open Access for Public Libraries
Role of public library

Users – children, adults, business, and more

Welcoming community space

Lifelong learning

Adult education & literacy

Help build a democratic society

Help rate quality resources

Collaborate with other institutions, schools, businesses

More diverse needs
Benefits of OA

Research funded with tax payers money ... therefore public has a right to free access

Access to info on health, energy, environment, and other areas of broad interest

Creates better educated population – higher HDI – longer life expectancy

Encourages support of scientific enterprise and engagement in citizen science

New opportunities, new skills – self empowerment
Open Access article

A high incidence of species substitution and mislabelling detected in meat products sold in South Africa/Cawthorn, Donna-Maree Steinman, Harris A. Hoffman, Louwrens C.

Subscription article (Elsevier):
<table>
<thead>
<tr>
<th>Open Access Copy</th>
<th>Downloads</th>
</tr>
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<tbody>
<tr>
<td>12 November 2013</td>
<td>984</td>
</tr>
<tr>
<td>13 May 2014</td>
<td>1 534</td>
</tr>
</tbody>
</table>

Sparked dialogue (also on social media), investigations, additional reviews of article ..... 

We want to encourage dialogue and have results scrutinised – along scientific principles.
Report back from Departments of Health, Trade and Industry, and Agriculture, Forestry and Fisheries on meat inspection services and labelling in South Africa

> Printer-friendly version

Agriculture, Forestry and Fisheries

Date of Meeting: 21 Jun 2013
Chairperson: Mr M Johnson (ANC) & Dr BM Goqwana (ANC)
Documents handed out:
- Report from DTI on strengthening food control & food labelling
- Food Safety and Food Control in South Africa: specific reference to meat labelling (DTI, DAF and the Department of Health)

Audio recording of the meeting:
PC Agric: Report back from Departments of Health, Trade & Industry, Agriculture, Forestry and Fisheries

Summary:
The Department of Health had expressed concern about the state of food control and labelling in South Africa. The Department of Trade and Industry had also expressed concern about the state of food control and labelling in South Africa. The Department of Agriculture, Forestry and Fisheries had expressed concern about the state of food control and labelling in South Africa.

The National Consumer Commission investigation would be completed by the first week of July 2013, and a comprehensive report of the findings and recommendations would then be compiled. It could not comment on its observations at this stage.

Members asked which department was the main driver of the process; which department was responsible for monitoring border control and the abattoirs; why imports from Brazil and India had been stopped; if inspection services monitored all imports; and if they departments could guarantee that the food was fresh, pure and not contaminated when it reached the shelves for consumers. They also asked if SARS identified the countries from which South Africa imported meat and how SARS fitted into the structure; how many products that were refused entry in another country were imported into SA; and for a list of South Africa’s import standards compared to international standards.

Resulted in Investigations by Dept. of Health, Trade and Industry, Agriculture, Forestry and Fisheries
MOOCs

“A massive open online course (MOOC) is an online course aimed at unlimited participation and open access via the web. In addition to traditional course materials such as videos, readings, and problem sets, MOOCs provide interactive user forums that help build a community for students, professors, and teaching assistants (TAs). MOOCs are a recent development in distance education which began to emerge in 2012.”

http://en.wikipedia.org/wiki/Massive_open_online_course
Example 1

Stanford University

ABOUT

Changing the Global Course of Learning

REGISTER FOR OPENKNOWLEDGE  EXPLORE COURSE *

Overview

ABOUT THIS COURSE

Open source, open science, open data, open access, open education, open learning—this free, online course provides an introduction to the important concept of openness from a variety of perspectives, including education, publishing, librarianship, economics, politics, and more, and asks you to discover what it means to you. Open Knowledge is international and multi-institutional, bringing together instructors and students from Canada, Ghana, Senegal, the United States, and the rest of the world. It will challenge you to take control of your own learning, to determine your own personal learning objectives, to contribute to the development of the curriculum, to reflect on your progress, to learn new digital skills, and to take a leadership role in the virtual classroom.

As a bilingual course, we have added a Google Translate button to make the interface available in Spanish (and
Example 2
Creating Video Games

Instructor(s)
Philip B. Tan
Richard Eberhardt
Sara Verrilli

MIT Course Number
CMS.611J / 6.073J

As Taught In
Fall 2013

Level
Undergraduate

Screenshot of Aquatic Evolver, a video game created by a group of MIT Students. (Courtesy of MIT Students. Used with permission.)
Epigenetic Regulation of Stem Cells

Instructor(s)
Dr. Eric Williams
Dr. Vidya Subramanian

MIT Course Number
7.347

As Taught In
Spring 2014

Level
Undergraduate

Induced pluripotent stem cells (iPSCs) derived from skin cells. The regions shown in green are proteins found in iPSCs but not found in skin cells. The red dots show the inactivated X chromosome in each cell. These cells can develop into a variety of possible cell types. See Lecture Summary 3 for more information on iPSCs. (Image by Kathrin Plath lab, University of California, Los Angeles, via CIRM, NIGMS.)
What is Capitalism?

Instructor(s)
Prof. Christine Walley

MIT Course Number
21A.461

As Taught In
Fall 2013

Level
Undergraduate
Public libraries promoting OA

Collaborate with school & academic libraries

Repository of community information

Promote OA resources – posters, pamphlets, social media

Web page/blog with useful links for users

Join existing projects

Awareness – MOOCs

Unemployment ... new skills

Open Access Week

And more ....
Open Access for Academic Libraries
Role of academic library

Support research
Increase research throughput
Disseminate research output

Benefits of OA

Increases readers’ ability to find & use relevant literature
Increases the visibility, readership and impact of author’s works
Creates new avenues for discovery in digital environment
Enhances interdisciplinary research
Accelerates the pace of research, discovery and innovation

http://www.sparc.arl.org/resources/open-access/why-oa
Benefits - Funders

Leverages return on research investment
Creates tool to manage research portfolio
Avoids funding duplicative research
Creates transparency
Encourages greater interaction with results of funded research

http://www.sparc.arl.org/resources/open-access/why-oa
Open Access Publishing

Articles are free to all interested readers, and the publishers place no financial or copyright barriers between the readers and the article.

Directory of Open Access Journals
http://doaj.org/

http://www.sпарc.arl.org/resources/open-access/why-oa
Institutional Repositories

Authors can choose to deposit their research articles in digital archives (often called Digital Repositories or Institutional Repositories) which conform to the standards of the Open Archives Initiative (OAI), and enable readers to freely access and fully reuse the article text

OpenDOAR
http://www.opendoar.org/

http://www.sparc.arl.org/resources/open-access/why-oa
Effectively Managed Author Rights

As the authors of a research paper, you have ability to ensure that your article can be accessed and used by the widest possible audience. Tools such as Addenda to traditional Copyright Transfer Forms are readily available, proven resources that can help you understand open licenses, and to publish your articles under full Open Access conditions.

SPARC Authors Rights
http://www.sparc.arl.org/resources/authors/addendum

http://www.sparc.arl.org/resources/open-access/why-oa
Open Access policies

Institutions that support research, from public and private research funders to higher education institutions, can implement effective policies that support making Open Access to scholarly research articles the default mode for their researchers.

National: http://www.sparc.arl.org/advocacy/national


http://www.sparc.arl.org/resources/open-access/why-oa
Open Source Software

Computer software with its source code made available with a license in which the copyright holder provides the rights to study, change and distribute the software to anyone and for any purpose.

Open source software (OSS) is very often developed in a public, collaborative manner.

Open-source software is the most prominent example of open-source development and often compared to (technically defined) user-generated content or (legally defined) open-content movements.
Open Sourcing Is No Longer Optional, Not Even for Apple | WIRED

Coders have myriad languages available to let them do their jobs the way they want; to keep them in-house, it turns out, Apple has to open up.

WIRED.COM | BY KLINT FINLEY
Register for the next Introducing FOSS4Lib Webinar on October 28th

Welcome to the FOSS4Lib Site

Is your library thinking about jumping into open source software, but not sure if you have the tools in place to succeed, or where to start? You've come to the right place.

Whether you are looking to decide if open source software is right for your library or need help finding which open source software package meets your needs, this site has the content and the community to help you with those decisions.

Updated Packages

<table>
<thead>
<tr>
<th>Package</th>
<th>Updated</th>
<th>Released</th>
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<tbody>
<tr>
<td>Evergreen</td>
<td>18-Sep-2014</td>
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<tr>
<td>OpenWayback</td>
<td>12-Sep-2014</td>
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Recent Releases

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<th>Package</th>
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<tbody>
<tr>
<td>Evergreen</td>
<td>2.7.0</td>
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<tr>
<td>OpenWayback</td>
<td>2.0.0</td>
<td>12-Sep-2014</td>
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Upcoming Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Hydra Connect 2</td>
<td>30-Sep-2014 to 3-Oct-2014</td>
</tr>
<tr>
<td>KohaCon14</td>
<td>6-Oct-2014 to 12-Oct-2014</td>
</tr>
</tbody>
</table>

https://foss4lib.org/
Open Data

http://www.re3data.org/

Wikipedia Entry for re3data.org

Posted on June 2, 2014 by re3data.org team

As of May 11th, you can find an article with basic information about re3data.org in the English version of Wikipedia. Feel free to link it to other Wikipedia articles on research data management or otherwise use it as a reference.

Growth of re3data.org

Looking back over two years of development and growth of re3data.org, we began in August 2012 with 23 entries. At the time of our official launch, 171 research data repositories had been cataloged. By December 2013, the team had indexed 387 repositories.
Let’s work towards an OPEN future and life for all!
“Let us choose ...the Web We Want, and thus, the World We Want.”

TIM BERNERS-LEE
Next Webinar
18 June LIASA Professional Status
Thank you!

Attribution-ShareAlike
CC BY-SA
This license lets others remix, tweak, and build upon your work even for commercial purposes, as long as they credit you and license their new creations under the identical terms.
Activity - Survey

http://bit.ly/1TcPNvP