

OPEN ACCESS OPEN DATA & MOOC'S

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This presentation is part of the **information literacy** course

The Information literacy course intends to teach How to search, access and retrieve information sources.

- Information search - Basic and advanced techniques
- Search the Invisible Web
- Multimedia search
- E books search
- E commerce and economic information

What is this class about?

- The concept of open access
- Some basic strength of the open access movement
- How to search and retrieve the open access materials from the researcher to our computer
- Copyright issues
- Free academic courses –open educational courses and moocs
- Open data

OPEN ACCESS

For academic materials

What is Open access

Definition : Resources that are openly available to users with no requirements for authentication or payment

www.cs.cornell.edu/wya/DigLib/MS1999

<https://www.youtube.com/watch?v=pO38zHPhNQI>



OA Overview

- Open Access literature is digital, online, free of charge, and free of most copyright and licensing restrictions
- Works are still covered by copyright law, but Open Access terms apply to allow sharing and reuse
- All major OA initiatives for scientific and scholarly literature insist on the importance of peer review

The next slides taken from: **Barnett, John H. and Deliyannides, Timothy S.** (2011) *Open Access: Greater Impact for Your Research*. In: *Open Access: Greater Impact for Your Research*, 25 October 2011, University of Pittsburgh, Pittsburgh, Pennsylvania, USA. (Unpublished)

For the authors OA is compatible with

- Quality
- Career advancement
- Indexing
- Copyright
- Peer review
- Print
- Preservation
- Prestige

<https://www.youtube.com/watch?v=kOrXL7MgSco>



Open Access is not . . .

- **Open Source**—applies to computer software
- **Open Content**—applies to non-scholarly content
- **Open Data**—a movement to support sharing of research data (see data.gov)
- **Free Access**—no charge to access, but all rights may be reserved

Growth in scholarly publishing

- Est. 50 million scholarly research articles published 1665-2009
- 1.4 million articles per year—one every 22 seconds!
- Average number of science articles per journal increased by >47% from 1990 to 2009

(Times Higher Education, 8 July 2010)

Growth in scholarly publishing

- Newly published research found that 28% of academic publishing – are open accessed!

Preprint

NOT PEER-REVIEWED

"PeerJ Preprints" is a venue for early communication or feedback before peer review. Data may be preliminary.

[Learn more about preprints](#) or [browse peer-reviewed articles](#) instead.

The State of OA: A large-scale analysis of the prevalence and impact of Open Access articles

[Legal Issues](#) [Science Policy](#) [Data Science](#)

[Heather Piwowar](#)^{✉*}1, [Jason Priem](#)^{✉*}1, [Vincent Larivière](#)^{2,3}, [Juan Pablo Alperin](#)^{4,5}, [Lisa Matthias](#)⁶, [Bree Norlander](#)^{7,8}, [Ashley Farley](#)^{7,8}, [Jevin West](#)⁷, [Stefanie Haustein](#)^{3,9}

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National goals and guidelines for open access to research articles

National goals and guidelines for open access to research articles

Ministry of Education and Research

Guidelines | Date: 2017-08-22

TOPIC

Research

The government's goal is that all publicly funded Norwegian research articles should be made openly available by 2024. and the government has established

Concentration of ownership

- Nearly 50% of the content is from **5 major publishers**
 - Elsevier
 - Wiley
 - Springer
 - Taylor & Francis
 - Sage

Open Access—Origins

- **Crisis in scholarly communication/publishing**
 - Declining collections budgets
 - More demand for newer, expensive resources
 - Increased pricing for serials, electronic resources
- **Rise of Internet and Worldwide Web**
 - Rapid dissemination of new research
 - Better connectivity between scholars

OA Today

- **Over 150 universities around the world mandate Open Access deposits of faculty works**
- **Directory of Open Access Journals (DOAJ)**
 - <http://www.doaj.org>
- **Directory of Open Access Repositories (OpenDOAR)**
 - <http://www.opendoar.org>

SEARCH OF OA MATERIALS

There are several search engines to search in their database



BASE is one of the world's most voluminous search engines especially for academic open access web resources. BASE is operated by Bielefeld University Library.

**BASIC
SEARCH**


ADVANCED
SEARCH

HELP

BROWSING

SEARCH
HISTORY

Your search

Entire Document 

- Boost open access documents
- Verbatim search
- Additional word forms
- Multilingual synonyms (Eurovoc Thesaurus)

Find



Currently in BASE: 66,050,602 Documents of 3,218 Content Sources

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BASE Help

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About BASE: Content Sources (Sources | [Countries](#))

This is a complete list of sources indexed by BASE. Do you operate a repository or an e-journal you can't find in the list? Suggest it via our [suggestion form](#).

Our [OAI-PHM-Blog](#) communicates information related to harvesting and aggregating activities performed for BASE.

Through BASE you can search:


Number of documents: 66,050,602

Number of content sources: 3,218


Last update: 30.10.2014

Legend:

 Open Access

 Some Open Access Documents

Search:

 Loading...

DOAJ

Directory of Open Access Journals (DOAJ)

lists journals in 116 countries

<http://www.doaj.org>



journals articles

[\[Advanced Search\]](#)

10,054 Journals
5,917 searchable at Article level
135 Countries
1,764,869 Articles

Directory of Open Access Journals (DOAJ)

DOAJ is an online directory that indexes and provides access to quality open access, peer-reviewed journals.

There is a new process to have journals indexed in the DOAJ. All journals must apply using our new [Application Form](#). Due to the extensive and detailed information we require, only a journal's publisher should complete the form.

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[International open access week 2014: some useful hashtags](#)

Whether you are studying, researching, teaching, publishing—or simply interested in the open web, open knowledge, open learning and open data—it won't have escaped you that next week is International Open Access Week. All over the world, groups are pulling together some fantastic events: there are webinars

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A NEW OPEN THESIS DATABASE

<https://thesiscommons.org/>

Started on 15 august 2017



What about copyright?

Creative Commons Licensing

- Open Access alternative to “ALL RIGHTS RESERVED”
- Standard licenses that make it easy for authors to share their work with some rights reserved
- Allows authors to choose the terms of future use that balance between Open Access and protection of the author’s interests

HOW DOES IT WORK??

<https://www.youtube.com/watch?v=2BESbnMJg9M>

OFFICIAL WEB SITE

<http://creativecommons.org/about>

O A I Open Archives Initiative

- The Open Archives Initiative develops and promotes interoperability standards that aim to facilitate the efficient dissemination of content.
- <http://www.openarchives.org/>



Open data is the idea that some data should be freely available to everyone to use and republish as they wish, without restrictions from copyright, patents or other mechanisms of control.

Open Data explanations

<https://www.youtube.com/watch?v=c42QNa-rccw> •



<https://www.youtube.com/watch?v=bwX5MAZ6zKI> •





Open data may include non-textual material such as maps, genomes, connectomes, chemical compounds, mathematical and scientific formulae, medical data and practice etc..

There are open data initiatives in various subjects

- Open science data
- Open government



OPEN DATA HANDBOOK



OPEN DATA RESOURCES

The resource library gathers a variety of resource that relate to open data and are produced by the community. For academic research about open data, please refer to the [web foundation bibliography](#). To add a resource to the library, follow [these steps](#).





<http://event.capconcorp.com/wp/osp/prototypes/> •

OER /OCW

Open Educational Resources

- MIT OpenCourseWare (OCW) is a web-based publication of virtually all MIT course content. OCW is open and available to the world and is a permanent MIT activity.
- <http://ocw.mit.edu/courses/>
- Carnegie Mellon university
- <http://oli.cmu.edu/learn-with-oli/see-our-free-open-courses/>

MASSIVE OPEN ONLINE
COURSES = **MOOC**

DEFINITION

a course of study made available over the Internet without charge to a very large number of people.

"anyone who decides to take a MOOC simply logs on to the website and signs up"

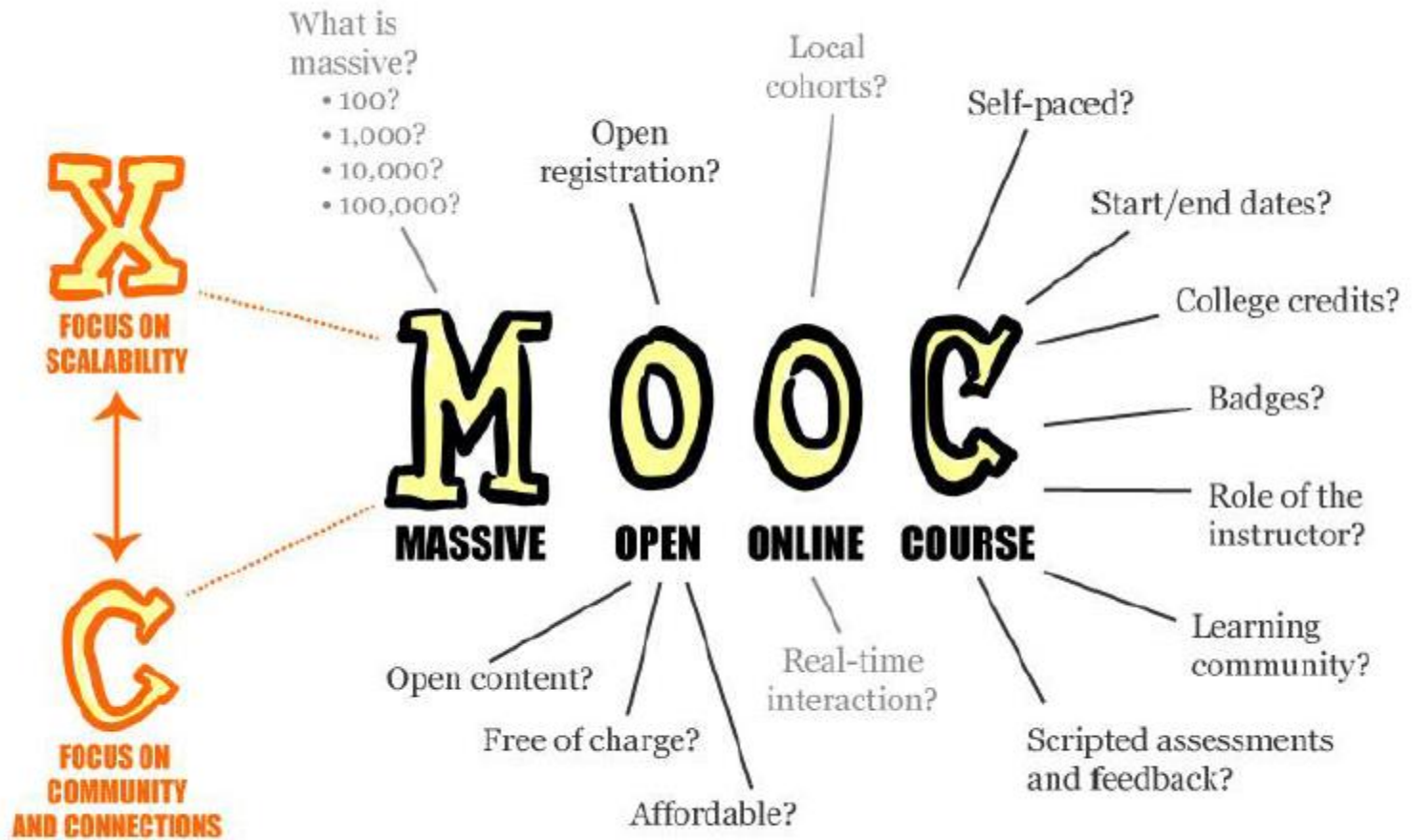
- **MOOCs are a recent development in distance education which began to emerge in 2012**

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- https://www.youtube.com/watch?v=KqQNvmQH_YM

•

- **In addition to traditional course materials such as videos and readings. MOOCs provide interactive user forums that help build a community for students, professors.**



Course example

https://www.futurelearn.com/courses/genecology?utm_source=ClassCentral&utm_medium=TableAd&utm_campaign=CC_20-01-2016

Mooc providers

<https://www.class-central.com/providers> •

HOW DO WE KNOW ABOUT THE COURSES AND REGISTER

MOOC List | A complete list of
Massive Open Online ...

<https://www.facebook.com/MoocList/>

These subjects are a small portion of our comprehensive course on Information literacy

- The idea is to learn as a workshop concept.
- The studies will concentrate on acquiring and practicing search skills, and getting familiar with important information sources not through the popular search engines – but mostly from the invisible web.

Administrative details

- Duration - 14 weeks
- Learning through presentations and guided search assignments
- 2 synchronic meetings
- Graduation diploma from MOFET international institute
- Tuition fee 250\$
- **Webinar participants will get 50\$ reduction**

HOPE YOU ENJOYED OUR CLASS

Take care and hope to meet you in our course