

HELLO!

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EVERYTHING IS SHAREABLE

A decorative graphic consisting of a blue line graph with several data points, some of which are highlighted with circular markers. The graph is set against a background of green and blue shaded areas that resemble a stylized landscape or data trends.

**Why Open Educational Resources are Critical to
Lifelong Learning and the Sharing Economy**

TODAY WILL BE AN ADVENTURE!



CC0 Image

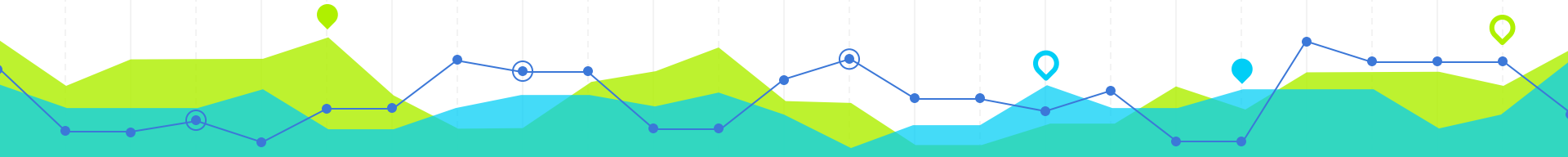


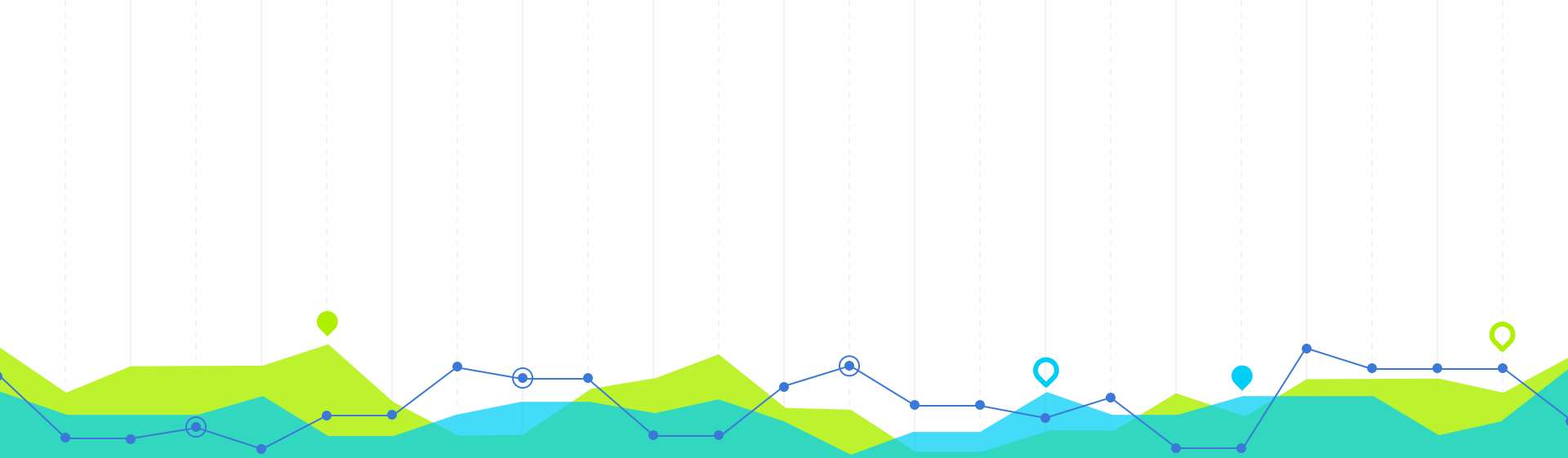
LEARNING OBJECTIVES

1. Understand the concept of open educational resources (OER)
2. Understand the role of OER in the open education movement
3. Know where to find OERs
4. Understand the role of librarians



**We're going to build an open
educational resource together!**





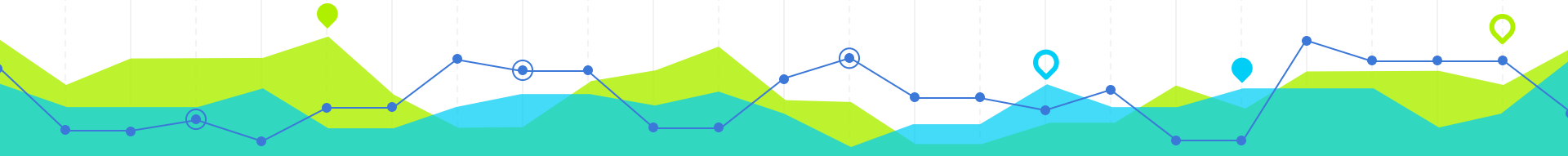
Introduction and Brainstorming Activity

Let's put our heads together

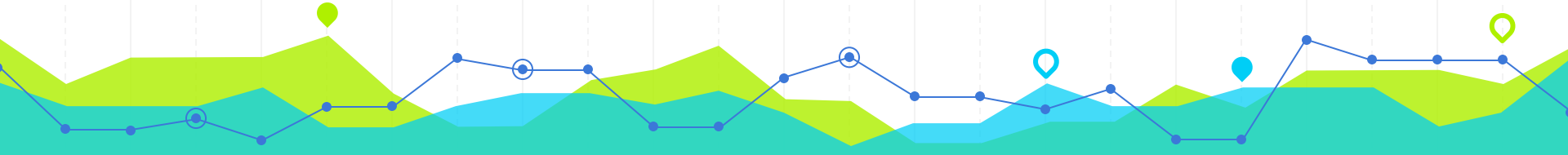
1

Please introduce yourselves!

- **Your name and occupation/industry**
- **Give an example of an open (online or print) resource that you've used**



A little bit about my background...



I like to tinker...

First family computer

Atari 1040 ST

8MHz Processor

1MB RAM

320x200 Resolution



Became the building block for...

- Hardware hacking
- Web development
- Web usability
- The Internet of Things and sensors

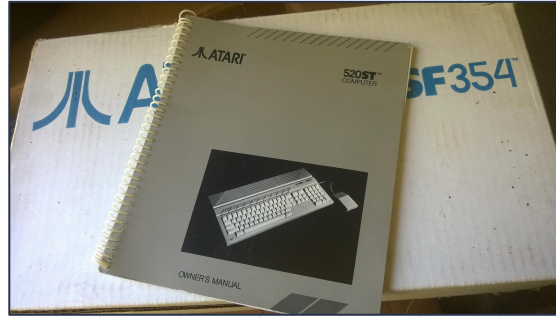


Homemade TV media centre: Raspberry Pi model B+ running OpenElec

Learned through open resources



Floppy disks



Manuals

Image by [Jaakko Hakulinen](#),
[Flickr](#)



**Web
Communities**



What are Open Educational Resources?

Why should librarians (or anyone) care?

2



the open provision of educational resources, enabled by information and communications technologies, for consultation, use and adaptation by a community of users for non-commercial purposes

~ “Open Educational Resources” coined at a [2002 UNESCO conference](#)

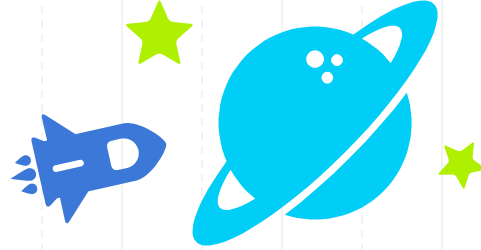




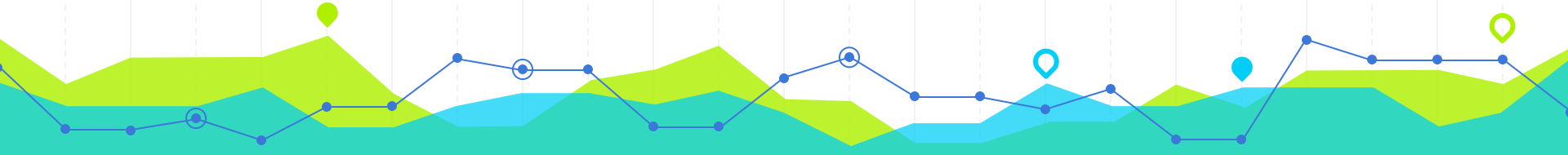
digitised materials offered freely and openly for educators, students and self-learners to use and reuse for teaching, learning and research”

~ OECD in [Giving Knowledge for Free](#) (2007)



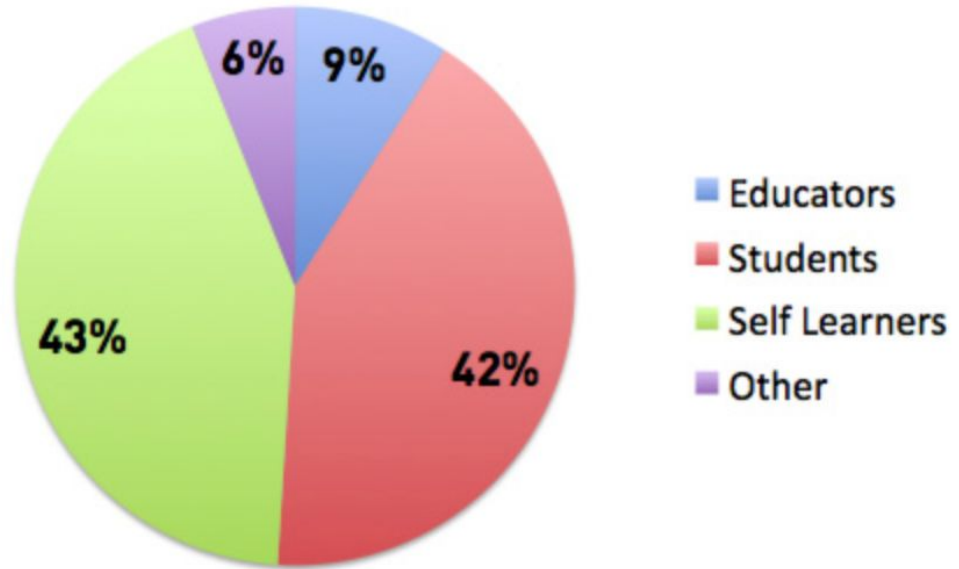


OPEN EDUCATION



MIT OpenCourseWare

- Receives 2 million visits a month
- 2364 courses published



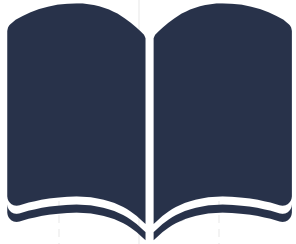
MIT OpenCourseWare. (2016, October). Retrieved from <https://ocw.mit.edu/about/site-statistics/>

A Brief History



OER In Higher Education

Textbooks



Multimedia

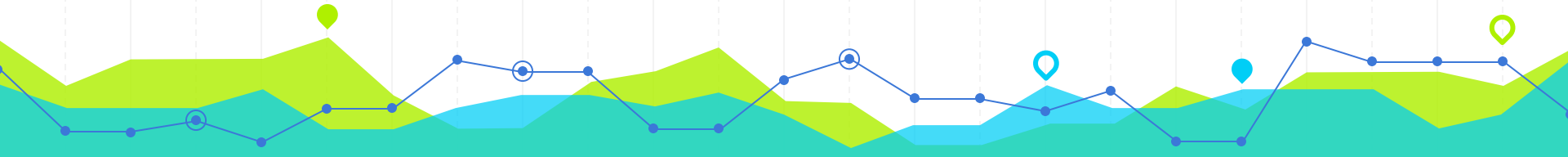


Full Courses



OER can be much broader

- **Open source software / tools**
- **Presentations / slide decks**
- **Code repositories (GitHub)**
- **Open data**
- **Manuals and technical guides**



5 Rs

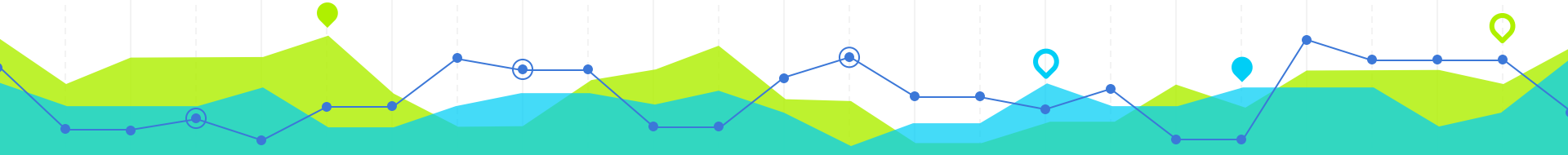
Retain

Reuse

Revise

Remix

Redistribute



Interested Parties

- **Librarians**
- **Students / learners**
- **Administration / leadership**
- **Government / policy makers**

Source: What are open educational resources? <http://lumenlearning.com/about-oer/>



About ▾ Call for Participation ▾ Projects & Resources Events



March 27-31, 2017

Open Education Week is a celebration of the global Open Education Movement. Its goal is to raise awareness about the movement and its impact on teaching and learning worldwide. Join us!

Call for participation open until February 28th, 2017

Submit Your Entry

Screenshot source: <https://www.openeducationweek.org>

STUDENTS | FACULTY

Find

a Textbook

Find

Search our collection of open textbooks. The curated collection aligns with the [top 40 subject areas in BC](#). Many of these textbooks have been [reviewed and vetted by BC post-secondary faculty](#).

FACULTY

Adopt

a Textbook

Adopt

Let us know if you have [adopted an open textbook](#). Or, if you are looking for resources on how to adopt a textbook, we have some resources to help.

FACULTY

Adapt

a Textbook

Adapt

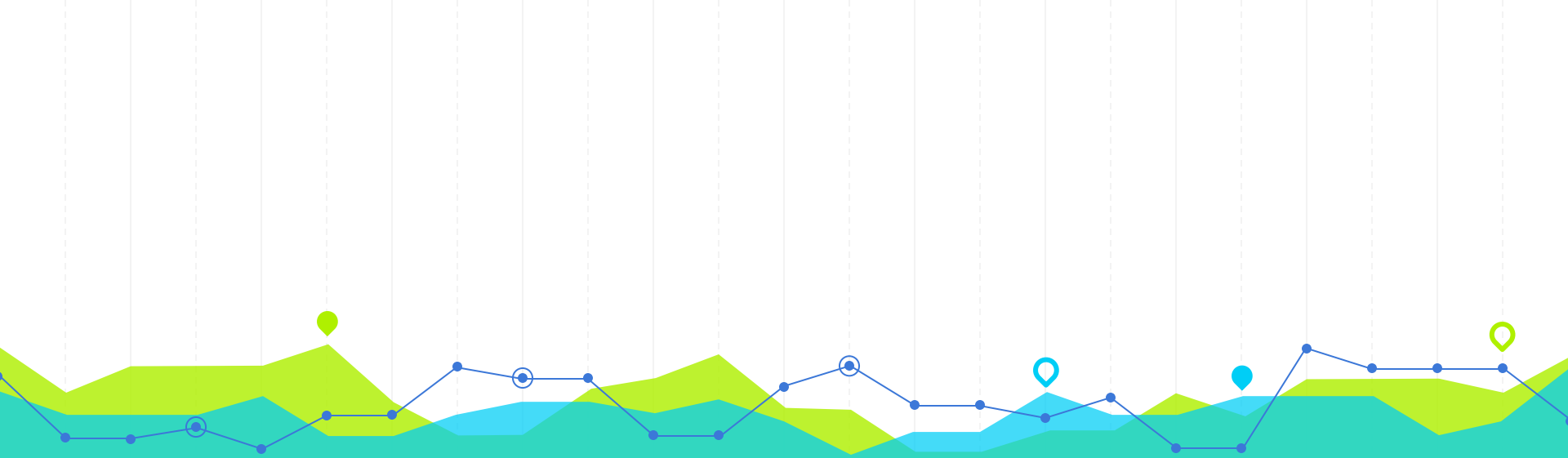
Take advantage of the open textbook [Creative Commons license](#) and customize an open textbook to fit your specific needs. See [Support for Adapting an Open Textbook](#) for a list of resources to help you modify an existing open textbook.



OPENNESS AND THE ACADEMY

Title and Diagram Adapted from
McNally, M. (2014). *Broadening Access
to Knowledge*





Examples and Repositories

Sharing is caring

3

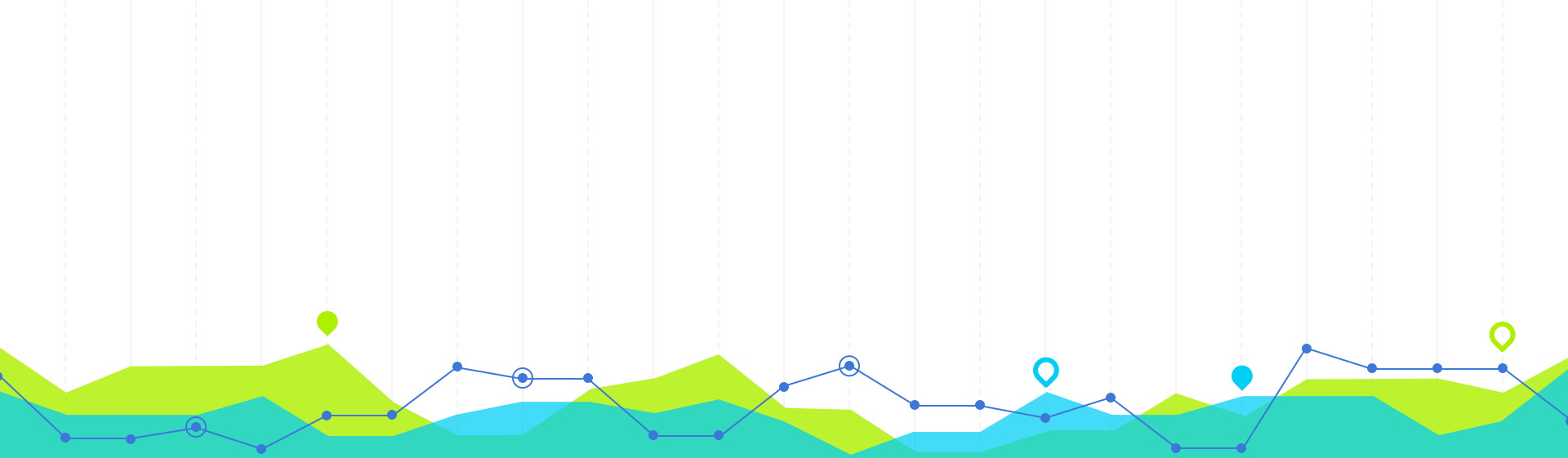
FINDING OER

MIT OpenCourseWare

BC Campus / Open Stax

OER Commons





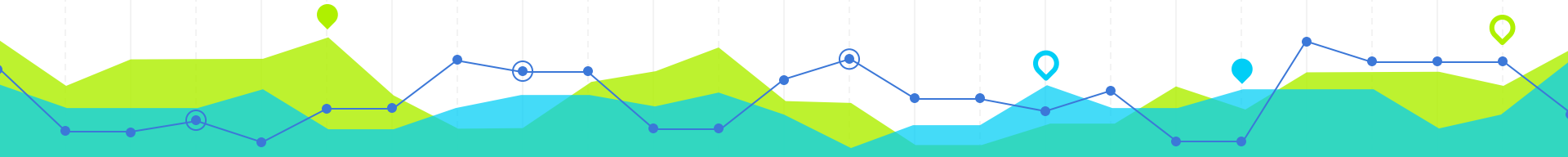
Search Activity

Let's put our heads together

4

Working in pairs or groups...

1. Choose a group name **(3 min)**
2. Copy the Template (slide 31) - right click + “Duplicate Slide” **(2 Min)**
3. Using an OER repository, find one OER that could be useful to your work, your patrons, or industry colleagues **(15 min)**
4. Fill in the blanks in the template **(10 min)**



OER Repositories

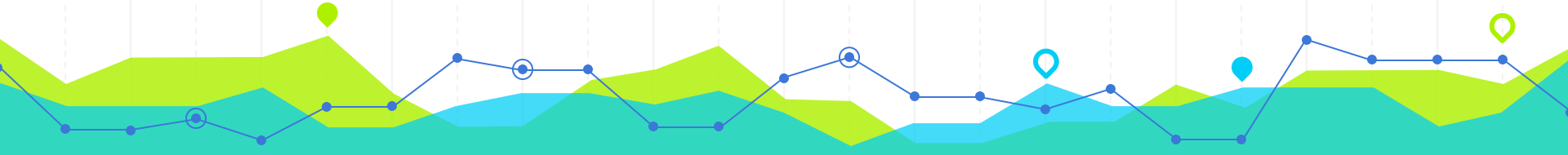
OER Commons	Learning objects + textbooks	https://open.bccampus.ca/find-open-textbooks/
MIT Open CourseWare	Fully open courses	https://ocw.mit.edu/index.htm
Merlot II	Learning objects	https://www.merlot.org/merlot/index.htm
BCCampus Open Textbooks	Textbooks	https://open.bccampus.ca/find-open-textbooks/
Open Stax	Textbooks	https://openstax.org/
Open Data Canada	Data	http://open.canada.ca/en/open-data
Internet Archive	Multimedia / web archive	https://archive.org/
Open Source Software Directory	Open source software	https://opensourcewaredirectory.com/



[Group Name]

OER Title:	
URL:	
The repository where you found the OER	

Comments (Was the OER useful? If not, why? If you couldn't find anything, what were you looking for?)



Saint Red Deer

OER Title:	Stack Exchange / Stack Overflow / w3 Schools combination
URL:	http://stackexchange.com/sites , http://stackoverflow.com/ , http://www.w3schools.com/
The repository where you found the OER	Stackoverflow found through google, w3schools as supporting tool

Comments (Was the OER useful? If not, why? If you couldn't find anything, what were you looking for?)

We thought about the combination of the open question answer forum stackoverflow, which is a great resource for find “how to do X” in a various coding langauges. However we included stackexchange because this format of voting answers up and down is available for more than just coding. As an open educational resource it pairs really well with something like w3schools.com which is a tutorial site. The combination of a site where the answers are presented and contested, and a site where answers are presented as facts is a good way to explore and learn.



Dudes Abide

OER Title:	Technologies for Creative Learning
URL:	https://ocw.mit.edu/courses/media-arts-and-sciences/mas-714j-technologies-for-creative-learning-fall-2009/#
The repository where you found the OER	MIT OpenCourseware

Comments (Was the OER useful? If not, why? If you couldn't find anything, what were you looking for?)



Green Apples

OER Title:	Alberta Library Directory
URL:	http://open.alberta.ca/publications/6656702
The repository where you found the OER	Open Government Alberta

Comments (Was the OER useful? If not, why? If you couldn't find anything, what were you looking for?)

Useful enough. Not a lot of context given for the document. Also, older versions of document listed, so we need to scroll through to find the most recent version.



The Fantastic Beasts

OER Title:	Pybossa
URL:	http://pybossa.com/
The repository where you found the OER	Open Source Software Directory

Comments (Was the OER useful? If not, why? If you couldn't find anything, what were you looking for?)

“The ultimate crowdsourcing framework to analyze or enrich data that can't be processed by machines alone.”

Some features in Pybossa are:

- Uploading videos and PDFs etc.
- Import data from Amazon S3, Flickr, Dropbox, Google, Twitter, SoundCloud...
- Export the data in JSON, CSV or to a data repository like open source CKAN if you prefer.



Random

OER Title:	Create Your Own Comics Online
URL:	www.makebeliefscomix.com
The repository where you found the OER	MERLOT - Multimedia Educational Resource for Learning and Online Teaching

Comments (Was the OER useful? If not, why? If you couldn't find anything, what were you looking for?)

This looks like something fun. We were looking for library resources but found that there's no one repository.



Calmar

OER Title:	Computer Literacy
URL:	http://www.jegsworks.com//Lessons/index.htm
The repository where you found the OER	Merlot II

Comments (Was the OER useful? If not, why? If you couldn't find anything, what were you looking for?)

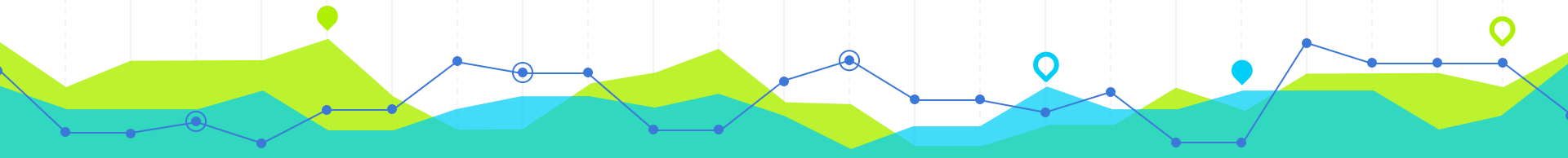
Very helpful and up to date. Would be useful to patrons in the library.



Marvelous Marmots

OER Title:	Auf nach West Canada
URL:	
The repository where you found the OER	Internet archive

Comments (Was the OER useful? If not, why? If you couldn't find anything, what were you looking for?)



CircForce!

OER Title:	Science Fiction and Fantasy Stack Xchange
URL:	http://scifi.stackexchange.com/
The repository where you found the OER	No repo, just interwebs.

Comments (Was the OER useful? If not, why? If you couldn't find anything, what were you looking for?)

We wanted to know what deal Lando made with Darth Vader at the end of Empire Strikes Back, so we looked on this amazing crowdsourced resource to mine the hive mind because the deal was not made clear in the movie.



Vidrewy

OER Title:	Data Management
URL:	https://ocw.mit.edu/resources/res-str-002-data-management-spring-2016/workshop-materials/
The repository where you found the OER	MIT

Comments (Was the OER useful? If not, why? If you couldn't find anything, what were you looking for?)

Use/resuse/open license info not apparent on individual resources

Closed format - PDF - hard to remix etc

By the MIT librarian - yay!

Metadata lacking; what year was the resource created?

Speaking notes lacking from the slide deck - uncertain what some of the slides mean?

groupname is our name

OER Title:	Introductory chemistry - 1st Canadian Edition
URL:	https://bccampus.ca/
The repository where you found the OER	BC campus open textbook project

Comments (Was the OER useful? If not, why? If you couldn't find anything, what were you looking for?)

Yes mostly. Not the most usability friendly interface for online reading. But free textbook with free ancillary resources (example course .pptx). Downloading may be better (eduroam didn't download fast enough).



Critical OER Guild

OER Title:	Energyville
URL:	https://www.oercommons.org/courses/energyville; https://web.archive.org/web/20130218211921/http://www.energyville.com/energyville/
The repository where you found the OER	OER Commons

Comments (Was the OER useful? If not, why? If you couldn't find anything, what were you looking for?)

This OER found in OER commons is highly biased and shows that we need critical information literacy skills when approaching OER.
The OER commons link just took us to the Chevron website so we had to do some Internet Archive slueing to find the game.

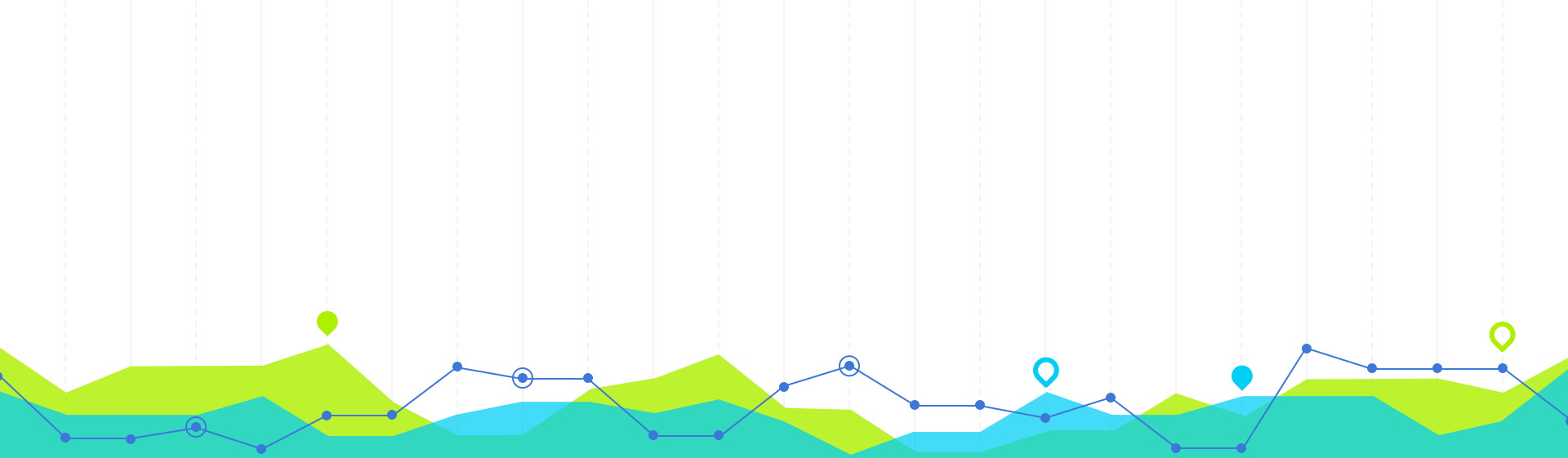
Frank and Megan

OER Title:	Glaciers
URL:	
The repository where you found the OER	OER Commons

Comments (Was the OER useful? If not, why? If you couldn't find anything, what were you looking for?)

Can choose the language, available in French and English.
Simulations available for environmental conditions, science and math
Software requirements available
Teacher submitted activities
From University of Colorado

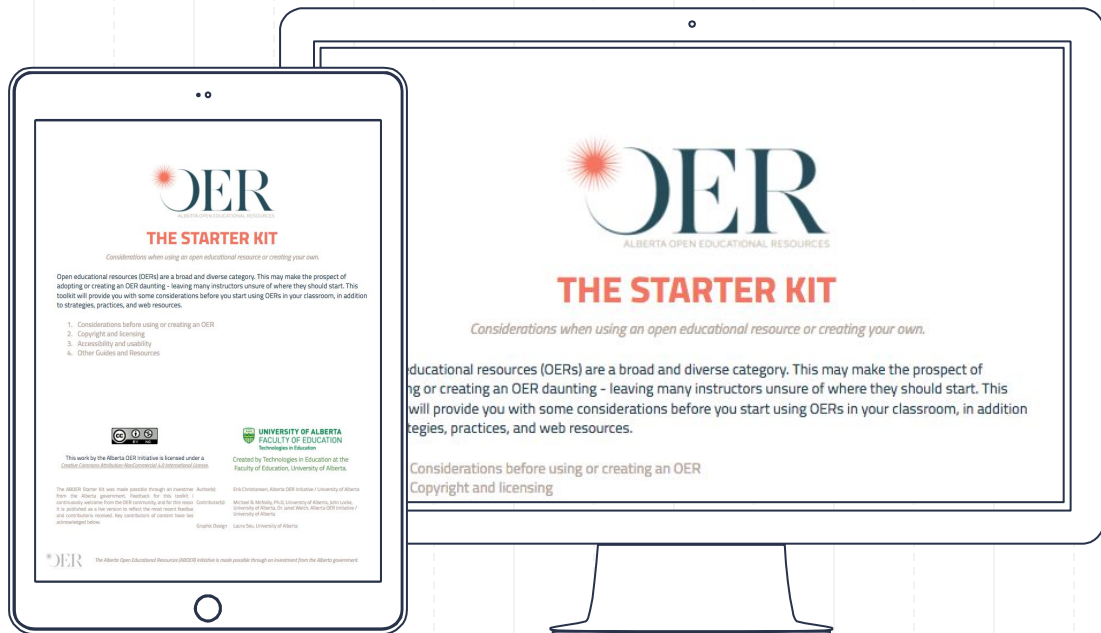




Making your OER Available to Everyone

6

ALBERTA OER TOOLKITS



➔ **Champion's Kit**

➔ **Starter Kit**

<http://albertaoer.com>

educational resources (OERs) are a broad and diverse category. This may make the prospect of adopting or creating an OER daunting - leaving many instructors unsure of where they should start. This toolkit will provide you with some considerations before you start using OERs in your classroom, in addition to strategies, practices, and web resources.

Considerations before using or creating an OER
Copyright and licensing

Considerations for Users

**Does the
OER Exist?**

**Who is your
Audience?**

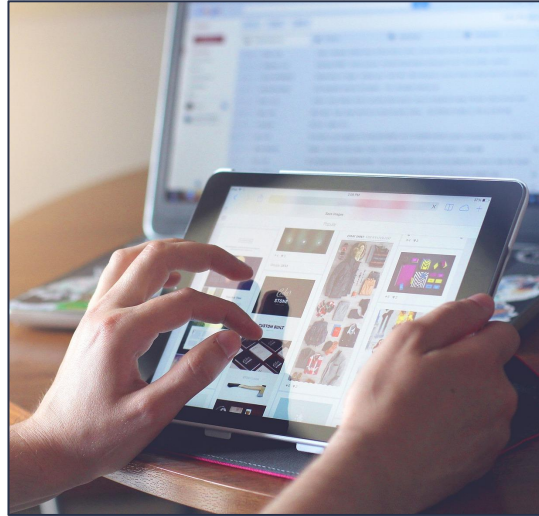
**Expertise
Required?**

Adapted from McNutt K. and Christiansen, E. (2016). *Alberta OER Toolkits*

Accessibility and Usability



CC0 Image



CC0 Image



CC0 Image

Adapted from McNutt K. and Christiansen, E. (2016). *Alberta OER Toolkits*

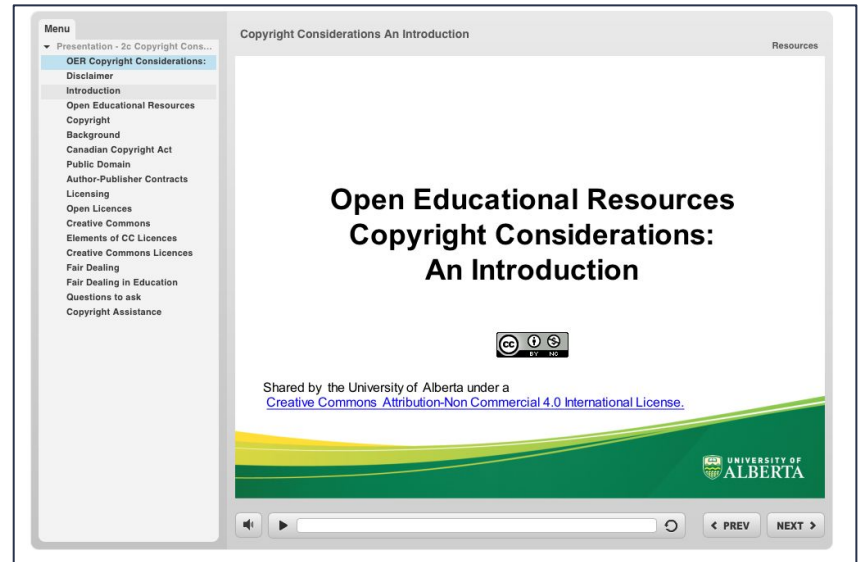


Copyright and Licensing

Open Licensing Frameworks

- Creative Commons
- GNU Public License
- MIT License

UofA Copyright Tutorials

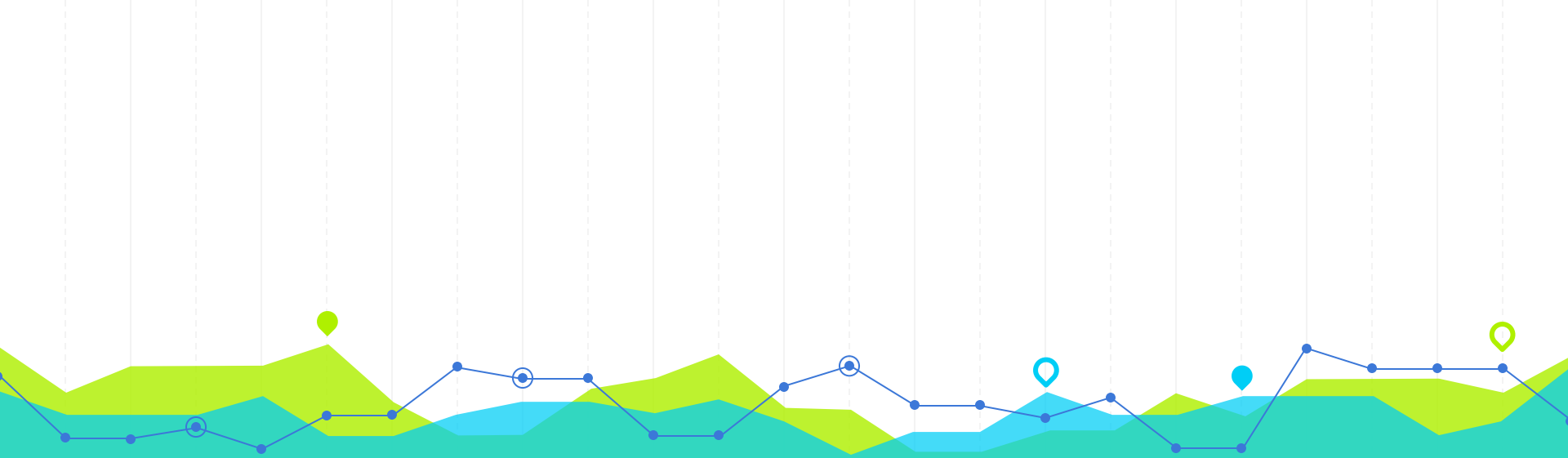


The screenshot displays a web browser window with a navigation menu on the left and a main content area. The menu includes items such as 'Introduction', 'Open Educational Resources', 'Copyright', 'Background', 'Canadian Copyright Act', 'Public Domain', 'Author-Publisher Contracts', 'Licensing', 'Open Licences', 'Creative Commons', 'Elements of CC Licences', 'Creative Commons Licences', 'Fair Dealing', 'Fair Dealing in Education', 'Questions to ask', and 'Copyright Assistance'. The main content area features a slide titled 'Open Educational Resources Copyright Considerations: An Introduction' with a Creative Commons Attribution-Non Commercial 4.0 International License logo. The slide also includes the text 'Shared by the University of Alberta under a [Creative Commons Attribution-Non Commercial 4.0 International License.](#)' and the University of Alberta logo in the bottom right corner. The browser window title is 'Copyright Considerations An Introduction' and the URL is 'http://copyright.ualberta.ca'.

<http://copyright.ualberta.ca>

Role of Librarians

- Locating resources
- Evaluation of resources / information literacy
- Copyright and licensing
- Advocacy
 - ◆ Spreading the word about OER
 - ◆ Including high-quality OER in your libguides
- Dissemination



Conclusion

7

SOCIAL BENEFITS OF OER



They promote lifelong learning



They expand access to learning materials to students inside, and outside, the academy.





THANKS!

Any questions?

You can find me at

[@eriksation](#) / echristiansen@mtroyal.ca



REFERENCES

Christiansen, E., McNally M., Lock, J., Welch, J., Sou, L. (2016). *The starter kit*. Retrieved from <http://albertaoer.com/content/resources>

Jhangiani, Rajiv S., Rebecca Pitt, Christina Hendricks, Jessie Key and Clint Lalonde. 2016. *Explore Faculty Use of Open Educational Resources at British Columbia Post Secondary Institutions*. https://bccampus.ca/files/2016/01/BCFacultyUseOfOER_final.pdf

Lumen Learning. (2015). *What are open educational resources?* Retrieved from <http://lumenlearning.com/about-oer/>

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• MIT. 2016. "MIT OpenCourseWare Site Statistics." [https://ocw.mit.edu/about/site-statistics/Organisation for Economic Cooperation and Development \(OECD\). 2007. Giving Knowledge for Free: The Emergence of Open Educational Resources.](https://ocw.mit.edu/about/site-statistics/Organisation%20for%20Economic%20Cooperation%20and%20Development%20(OECD).%202007.%20Giving%20Knowledge%20for%20Free:%20The%20Emergence%20of%20Open%20Educational%20Resources.%20http://www.oecd.org/edu/cei/givingknowledgeforfreetheemergenceofopeneducationalresources.htm)
<http://www.oecd.org/edu/cei/givingknowledgeforfreetheemergenceofopeneducationalresources.htm>



PARTICIPANT ATTRIBUTIONS

[LAST, FIRST - OCCUPATION - PLACE OF WORK]

