

Open Licenses and Open Educational Resources: Why I should care about it?



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ATTENTION



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Who am I?

Professor, Web Developer, and a Mozillian!

2006- Started working with web development;

2014- Joined the Mozilla community and started teaching;

2017 - Became a Mozilla Tech Speaker!

2018 - Started a Master's in Education

Education is about sharing

If there's no sharing happening, there's no education happening.

Teachers share their knowledge and skills with students, students share their questions and drafts with teachers.

Those teachers share feedback, criticism, and encouragement with their students. And on it goes.

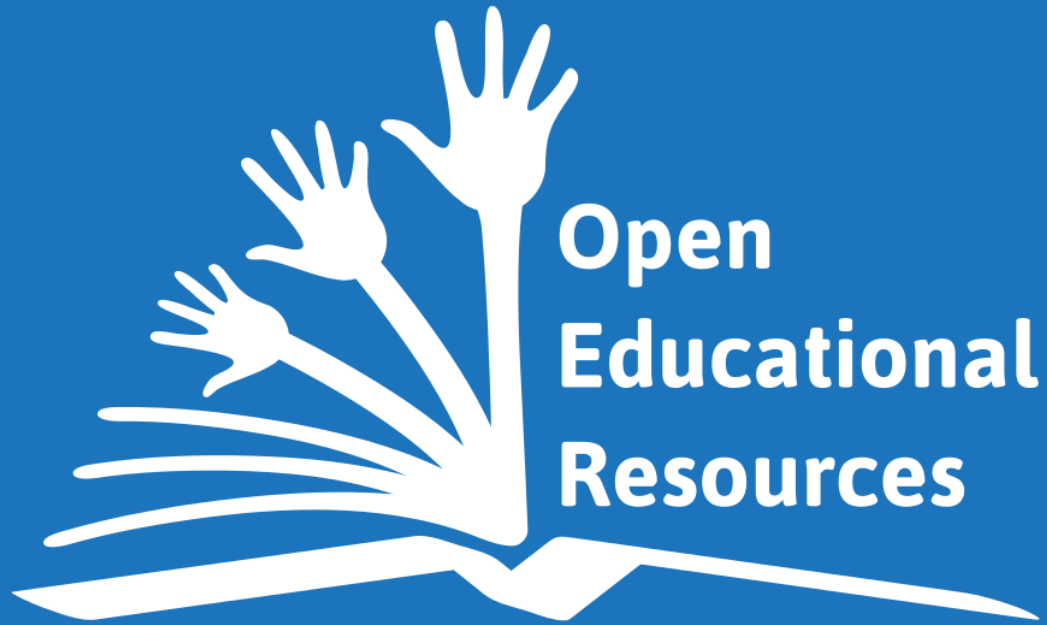
Open Education

Since 2006 Open Education gained a lot of strength in various sectors of society as internet and digital technology advances.

Open Education seeks to promote the freedom to use, change, combine, and redistribute educational resources from the use of open technologies. The concept also involves principles related to open pedagogical practices.

Open Education

The Open Education movement involves the search for alternatives to some of the obvious barriers to the right to quality education and is aligned with the 4th United Nations Sustainable Development Goal.



Open Educational Resources (OER)

The foundation of Open Education is **Open Educational Resources (OER)**, which are teaching, learning, and research resources that are free of cost and access barriers, and which also carry legal permission for open use.

Open Educational Resources (OER)

The OER can be books, book chapters, lesson plans, software, games, reviews, school work, articles, manuals, videos, audios, and images, among other types.

The main idea of OER is that any learning resource that a person publishes can be used and recombined by other people in different ways as a way of expanding knowledge.

Open License

Generally, the permission is granted by use of an open license (for example, Creative Commons licenses) which allows anyone to freely use, adapt, and share the resource—anytime, anywhere.

“Open” permissions are typically defined in terms of the “5R’s” (it’s common to see references to 4R’s also)

5R activities

- 1 - **Retain** - the right to make, own, and control copies of the content (e.g., download, duplicate, store, and manage)
- 2 - **Reuse** - the right to use the content in a wide range of ways (e.g., in a class, in a study group, on a website, in a video)

5R activities

3 - **Revise** - the right to adapt, adjust, modify, or alter the content itself (e.g., translate the content into another language)

4 - **Remix** - the right to combine the original or revised content with other material to create something new (e.g., incorporate the content into a mashup)

5R activities

5 - **Redistribute** - the right to share copies of the original content, your revisions, or your remixes with others (e.g., give a copy of the content to a friend)

How can I have my
material under the 5 R's?



When we share, everyone wins



Creative Commons

Creative Commons is a non-profit organization that allows the sharing and use of creativity and knowledge through free legal instruments.

Creative Commons licenses are not contrary to copyright. They work in addition to copyright and allow you to modify your copyright terms to best suit your needs.

Poor Technical Choices

Make Open Content Less Open

ALMS Analysis / Framework

David Wiley (2009) developed the ALMS Analysis as a framework for thinking about these technical aspects of localization.

ALMS is an acronym that stands for:

Access to editing tools? Level of expertise required to revise or remix? Meaningfully editable? Source-file access?

Access to Editing Tools

Is the open content published in a format that can only be revised or remixed using tools that are extremely expensive?

Is the open content published in an exotic format that can only be revised or remixed using tools that run on an obscure or discontinued platform?

Access to Editing Tools

Also, Is the open content published in a format that can be revised or remixed using tools that are freely available and run on all major platforms?

Level of Expertise Required

Is the open content published in a format that requires a significant amount technical expertise to revise or remix?

Is the open content published in a format that requires a minimum level of technical expertise to revise or remix?

Meaningfully Editable

Is the open content published in a manner that makes its content essentially impossible to revise or remix (e.g., a scanned image of a handwritten document)?

Is the open content published in a manner making its content easy to revise or remix (e.g., a text file)?

Self-Sourced

Is the format preferred for consuming the open content the same format preferred for revising or remixing the open content (e.g., HTML)?

Is the format preferred for consuming the open content different from the format preferred for revising or remixing the open content (e.g. Flash FLA vs SWF)?

What do undergraduate
students (future teachers) know
about Open Licenses / OER?

Survey with future teachers

In the first half of this year I started my research with future teachers, we did some activities during the semester, and I collected some information about them and about what they know about open licenses and OER.

Regarding the characterization of the participants, they are between 20 and 24 years old, in the majority, 17 students (81%) attending the first degree. Only 9 (42.9%) of the individuals do not have any kind of experience as teachers.

Survey - Technological profile

The participants' technological profile provided essential data for the understanding of subjects' experiences with technology. 15 individuals (71.4%) use the computer 1 or more times a day, 5 (23.8%) use 3 or more times in the week, 1 (4.8%) use less than 3 times a week and the option "Rarely" was not selected by any of the participants.

Complementing this question, 18 participants (90%) stated that every time they use the computer, they also use the Internet.

Survey - What they know about licenses?

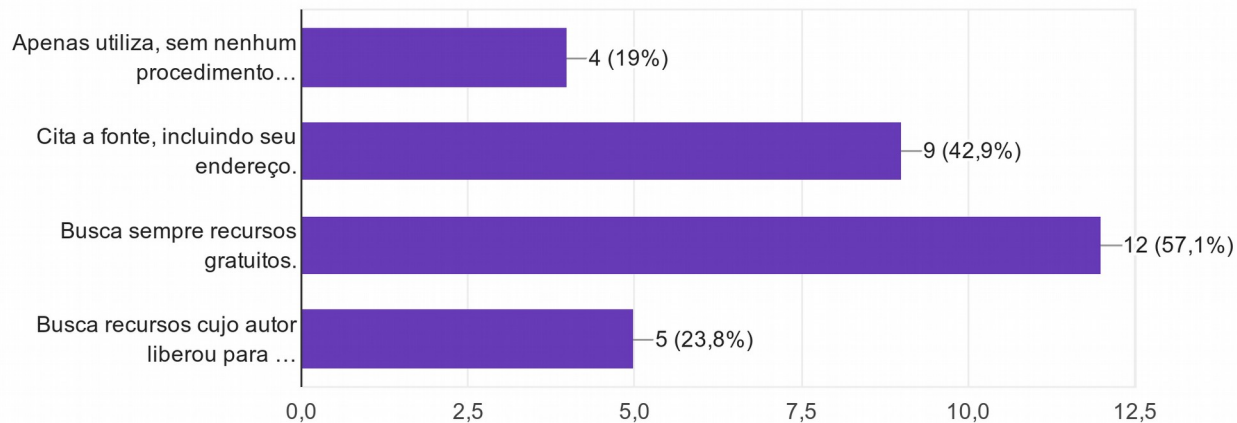
In relation to the verification of the licenses of content found on the web, which often indicate the restriction of use of this content, 12 (57.1%) of the participants reported not having knowledge about the ways of consulting the license, 4 (19 %) answered that they did not carry out the consultation.

Only 5 (23.8%) stated that they always verify the license of the published material.

Survey - What they know about licenses?

Quando faz download de recursos da web para utilização em seus trabalhos:

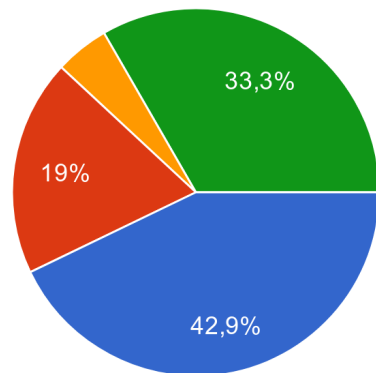
21 respostas



Survey - What they know about licenses?

Em sua opinião, qualquer recurso disponível na web pode ser utilizado em atividades educacionais?

21 respostas

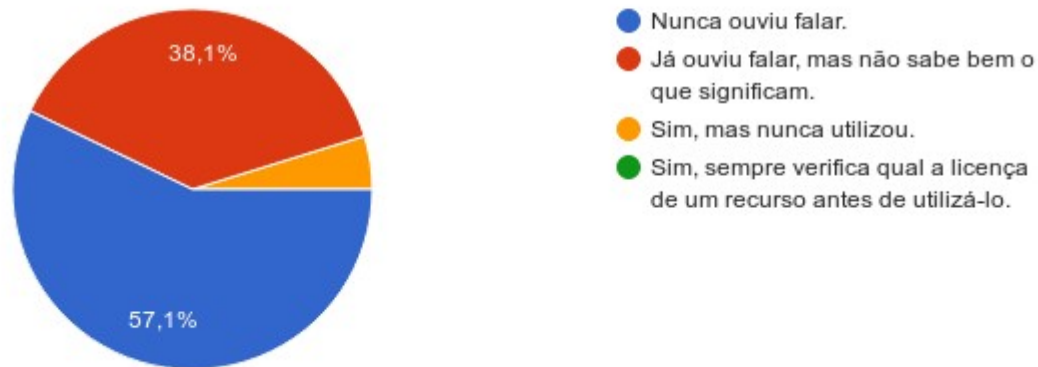


- Sim. Desde que a fonte seja citada.
- Sim. Desde que não se faça uso comercial.
- Não. Pois todos os recursos disponibilizados na web têm seus direitos reservados.
- Não. Pois os recursos disponíveis na web podem ter restrições de uso.

Survey - What they know about licenses?

Você sabe o que são as licenças abertas/livres (ex: Creative Commons)?

21 respostas



Survey - conclusion and actions

We infer from the data that most participants are not aware of the rules and conditions that are inherent in OER. They consider that, because it is published on the Internet, there are no rules. This confirms the importance of promoting specific training on the subject.

We developed with those students two activities, right now, we are analyzing the data to see the results and what can be improved in future interventions.

In a nutshell

The lack of knowledge pointed out by the participants in the available license formats and in the rules that must be respected when using an OER demonstrates the importance of preparation for teachers in which studies and activities on OERs are developed.

A preparation capable of encouraging the publication of content freely and openly, thus ensuring freedom for reuse and remixing of the materials produced.

In a nutshell

Openness is impacting many areas of education—teaching, curriculum, textbooks, research, policy, and others. How will these individual impacts synergize to transform education?

Stay connected

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Questions?

Thank you! 😊

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