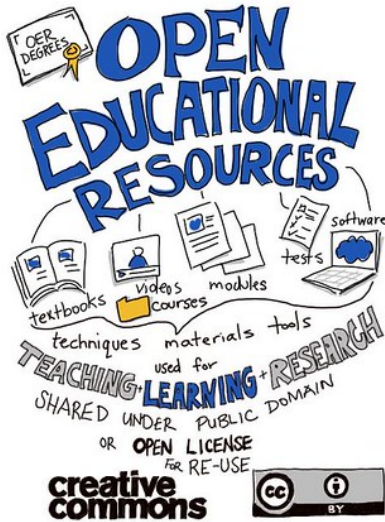# OER 101

Requirements and assistance for OER implementation
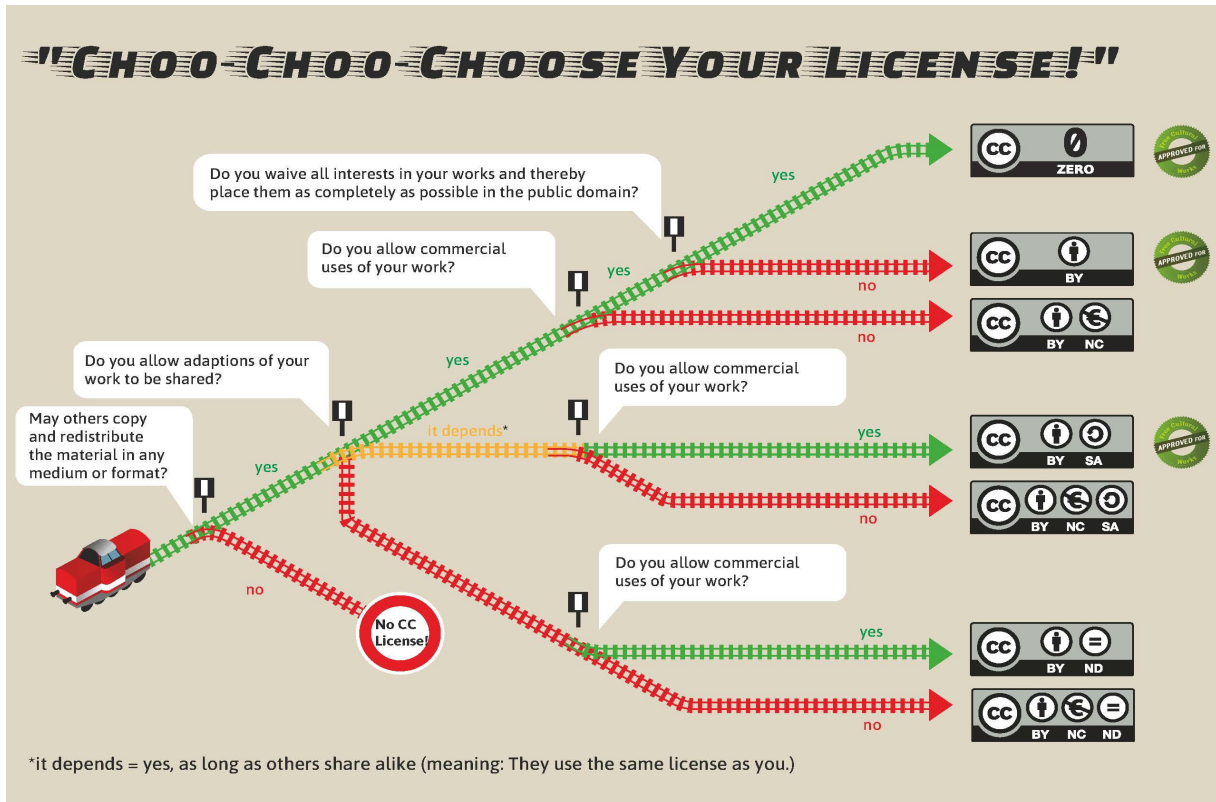
OER sax

What are OER?

Open Educational Resources (OER) are freely available materials for teaching and learning in various formats (e. g. a diagram, lecture slides or entire textbooks) which are published under open licenses. These licenses allow free access, use, editing and redistribution by others, with zero or minimal restrictions.

The 5R permissions of OER

- ❖ **Retain:** make and own copies
- ❖ **Reuse:** use in a wide range of ways
- ❖ **Revise:** adapt, modify, and improve
- ❖ **Remix:** combine two or more
- ❖ **Redistribute:** share with others

Choo-Choo-Choose your license!

The licensing system of Creative Commons, a US-American non-profit organization, is frequently used to label material with regards to the editing and usage rights. These so-called CC licenses offer 7 options for labelling:

*it depends = yes, as long as others share alike (meaning: They use the same license as you.)

Benefits of OER

OER offer numerous benefits for both lecturers and students in higher education.

- Efficient course planning with existing OER
- Increased visibility - through worldwide dissemination of teaching materials
- Depending on the license, teaching materials can be reproduced, modified and redistributed by other educators
- Optimization and opportunities for ongoing qualitative development via the corresponding expert community
- Source of inspiration for your own teaching using materials from fellow lecturers
- Creating and publishing OER with students can be helpful to increase their motivation
- Better and easier access to education and facilitation of an open learning culture

OER-Repositories, contact points, and tools:

- **OERinfo**: national community portal for open educational resources.
- **MUNDO**: a comprehensive overview of digital tools and resources that can be used for the design of OER or teaching scenarios. Interactive and multimedia teaching materials are also available here.
- **OERsi** (OER search index, TIB Hannover, hbz NRW): Here you can browse a variety of OER repositories that are specifically designed for use in higher education. Materials are usually uploaded to the corresponding repositories by lecturers and made available for further use. Information regarding the licenses of each resource is provided as well. The following OER repositories contain extensive collections of OER: **OpenLearnware** (TU Darmstadt), **OpenRUB** (Ruhr-Universität Bochum), **Hamburg Open Online University** (Hamburg, across multiple universities), **ZOERR** (Baden-Württemberg, across multiple universities), **Mooin** (TH Lübeck), **TIB AV-Portal** (TIB Hannover), **OER-Späti** (Projekt digLL Hessen)
- **SLUB OER-Display**: The SLUB offers numerous opportunities for those interested in OER. Regular events, individual consultations, and the OER display provide a good infrastructure to learn more about the topic and explore the possibilities of publishing your own OER. In addition, the SLUB Media Space with its podcast and green screen studio offers a variety of opportunities to produce your own teaching/learning videos and podcasts that can be used in teaching.
- **Twillo** is the official OER portal for higher education teaching in Lower Saxony. Here you can find extensive support, including basic information on OER and various events as well as practical templates for the creation of OER. In addition, the portal offers a wide range of OER materials from various disciplines and in multiple languages.

Some tool-recommendations for the creation of OER:

- With the **CC-Stamper** developed by *edu-sharing.org*, images can be provided with the correct CC license. Upload the image to the website, enter the corresponding license and details of the author and download the image with the corresponding license "stamped" on it.
- **AnswerGarden** allows you to easily collect feedback and input in real time. A "garden" can be created where questions can be asked and made available via a QR code or link. The incoming answers are then arranged in a word cloud in real time.
- **Etherpad**/**Cryptpad**: both tools are useful for collaborative work on texts.
- **Excalidraw** by *kits* is an open-source tool for the creation of mind maps, sketch notes, and flow charts. It can also be used as a whiteboard for collaborative brainstorming sessions.
- **H5P** stands for HTML5 package. With H5P you can create content such as interactive videos, quizzes and presentations. H5P content can be created directly on the website or with the LUMI app for desktop. The content can be embedded into websites or the OPAL learning management system.

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