

What is the meaning of open in education? From OER to MOOC

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Best Practice for Education Workshop
Athens, January 22nd 2016



Open Definition

Open means anyone can freely access, use, modify, and share for any purpose (subject, at most, to requirements that preserve provenance and openness)

Open data and content can be freely used, modified, and shared by anyone for any purpose

<http://opendefinition.org/>



Open Educational Resources



Connexions from Rice University

CONNEXIONS

Contact Us | Report a Bug

Search

Home Content About Us Help

You are here: Home

Connexions is:

a place to view and share educational material made of small knowledge chunks called modules that can be organized as courses, books, reports, etc. Anyone may view or contribute:

- **authors** create and collaborate
- **instructors** rapidly build and share custom collections
- **learners** find and explore content

[More about us ...](#)

FEATURED CONTENT

Understanding Basic Music Theory



transposition.

"Understanding Basic Music Theory" is an introduction to music theory by one of Connexions' most popular authors. In addition to the basic concepts of music theory, this course and book offer a review of common notation and an introduction to the physics behind music theory, as well as a few slightly advanced but very useful topics, such as

FIND CONTENT

4731 reusable modules woven into 273 collections.

Search Content

or browse by ...

Subject

Language

Popularity

Title, author, etc.

- [Arts](#)
- [Business](#)
- [Humanities](#)
- [Mathematics and Statistics](#)
- [Science and Technology](#)
- [Social Sciences](#)

CREATE CONTENT

Creating content in Connexions is as easy as **1, 2, 3**:



1 Get an account and log in to your



2 Make a module from scratch or



3 Publish your works, sharing them with the

AUTHOR LOGIN

Username

Password

- [Get an account](#)
- [Forgot your password?](#)

SPOTLIGHT

Featured author



Ricardo von Borries is using Connexions to bring digital signal processing content to engineering students in Latin America. Ricardo, an assistant professor of Electrical and Computer Engineering at the [University of Texas at El Paso \(UTEP\)](#), is leading a team that is translating two digital signal processing (DSP) Connexions courses from English to



MIT OpenCourseWare

The screenshot shows the MIT OpenCourseWare website. At the top right, there are navigation links: COURSE LIST | ABOUT OCW | HELP | FEEDBACK. The main header features the MIT logo and the text 'MITOPENCOURSEWARE MASSACHUSETTS INSTITUTE OF TECHNOLOGY'. Below this is a welcome message: 'Welcome to MIT OpenCourseWare a free, open, publication of MIT Course Materials. We invite you to view all the courses available at this time.' The left sidebar contains a search bar with a 'GO' button and a link to 'Advanced Search'. Below the search bar is a list of 'AVAILABLE COURSES' with links to various departments: Aeronautics and Astronautics, Anthropology, Architecture, Biological Engineering Division, Biology, Brain and Cognitive Sciences, Chemical Engineering, Chemistry, and Civil and Environmental Engineering. The main content area has a 'Welcome to MIT's OpenCourseWare:' section, followed by a paragraph describing the resource. Below this is a list of four bullet points: 'Is a publication of MIT course materials', 'Does not require any registration', 'Is not a degree-granting or certificate-granting activity', and 'Does not provide access to MIT faculty'. A link 'Learn more about MIT OCW...' is provided. The next section is '500 Courses Now Available', with a paragraph explaining that 500 courses are now available from 33 academic disciplines and all five of MIT's schools, with a link to 'See the entire course list.'. Below this are four columns of links: 'Course List Discover all available courses.', 'About OCW Learn more about OCW's expansion... Impact Media access', 'Help Answer your questions... FAQs', and 'Feedback Tell us what you think... Email us'. To the right of the 'Welcome' section is a photo of Shigeru Miyagawa, MIT Professor, with a quote: 'OCW reflects the idea that, as scholars and teachers, we wish to share freely the knowledge that we generate through our research and teaching. While MIT may be better known for our research, with OCW we wish to showcase our teaching.' Below the quote is a link to 'Read more MIT Faculty reaction...'. At the bottom right of the main content area is a photo of Charles M. Vest, MIT President, with the text 'Reflections from MIT President Charles M. Vest'. The footer contains the MIT logo and copyright information: 'Massachusetts Institute of Technology © 2003 MIT | Legal Notices | Privacy'. A final line of text states: 'Your use of the MIT OpenCourseWare site and course materials is subject to the conditions and terms of use in our Legal Notices section.'







MIT OpenCourseware

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Opencoursewares

The screenshot shows the OpenCourseWare website interface. At the top, the logo 'OpenCourseWare' is displayed with the text 'Universidad del País Vasco Euskal Herriko Unibertsitatea' below it. A navigation bar contains links for 'inicio', 'cursos', 'cursos[cas]', 'ayuda', and 'sobre ocw'. A left sidebar lists various resources like 'Acústica Home', 'Guía docente', 'Lecturas recomendadas', etc. The main content area features a large graphic with the word 'ACÚSTICA' and a diagram of sound waves. Text next to the graphic lists the course title 'Acústica, [2009/03][Cas]', the instructor 'M^a Jesús Elejalde García', and the course details 'Física Aplicada 1 UPV/EHU'. A 'Descripción:' section follows, explaining the course's scope. At the bottom of the page, there are links for 'Cite/attribute Resource' and a Creative Commons license icon.

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Default: "Secció 508" :: Default: "WCAG" :: Default: "XHTML vàlid" :: Default: "CSS vàlid" :: [Plone activat](#)

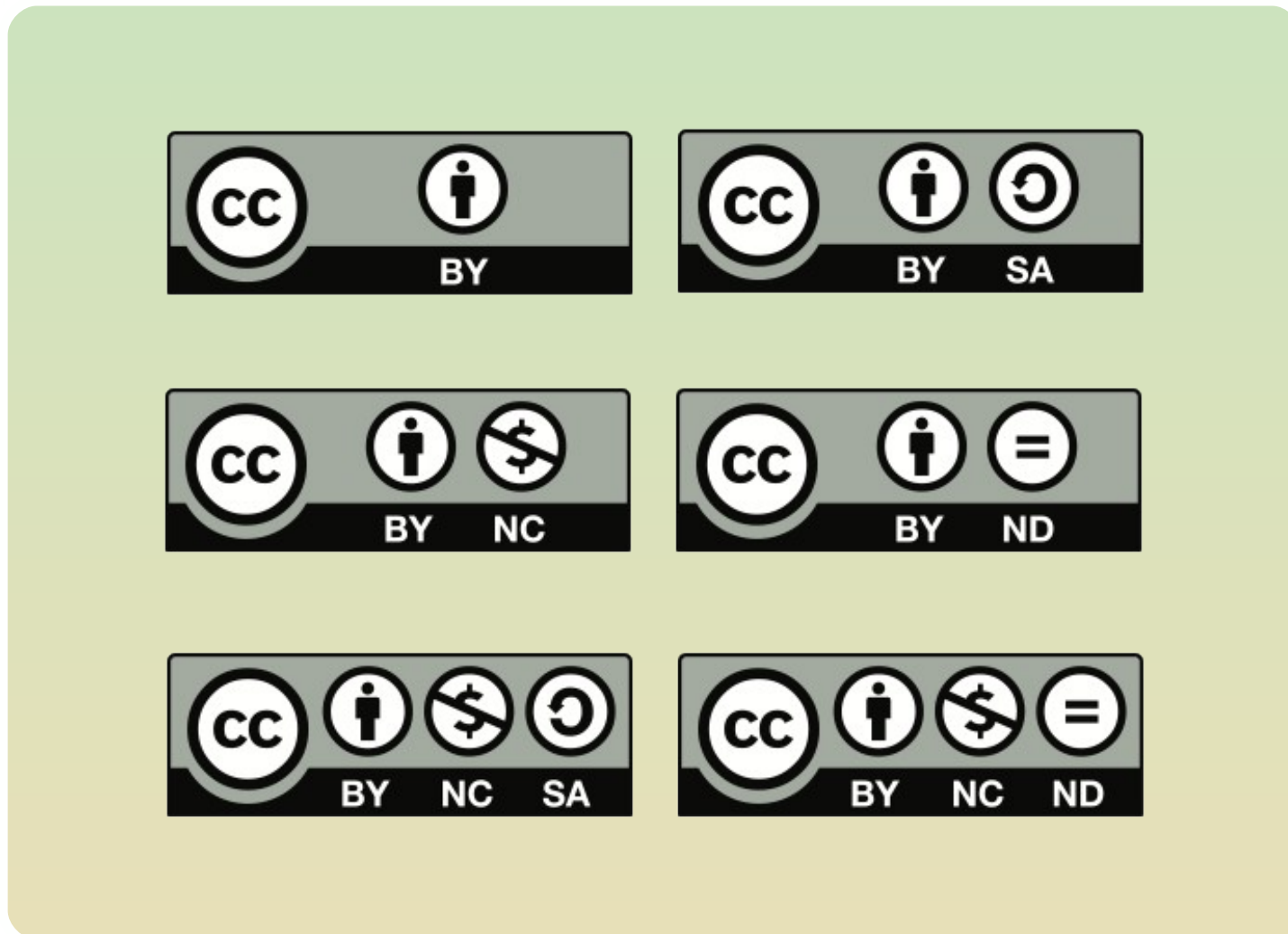
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Restricted Opencoursewares



UNIVERSITAT POLITÈCNICA DE CATALUNYA BARCELONATECH

UPCOPENCOURSEWARE
Universitat Politècnica de Catalunya

Inici | Assignatures | Altres OCW

Inici → FME → GRAU EN MATEMÀTIQUES → ÀLGEBRA LINEAL NUMÈRICA

ÀLGEBRA LINEAL NUMÈRICA



Dades de l'assignatura

Any: 2011
Idioma d'impartició: Català
Codi de l'assignatura: 200151
Tipus d'assignatura: Obligatoria

Docents

Coordinador de l'assignatura
ANTONIO RODRIGUEZ FERRAN

Professorat
ANTONIO RODRIGUEZ FERRAN - A, B (*)
ANTONIO RODRIGUEZ FERRAN, B
ROGER VILASECA CABO, B

(*) El professor ha participat en la publicació de material contingut a l'assignatura UPcOpenCourseware.



Guia d'estudi

- Objectius de l'assignatura
- Objectius d'aprenentatge
- Metodologia docent
- Temari
- Sistema de qualificació

Materials del curs

- Audiovisuals

Altres recursos

- Bibliografia

Centres **Àrees temàtiques**

Escola d'Enginyeria de Telecomunicació i Aeroespacial de Castelldefels (16)

Escola d'Enginyeria de Terrassa (12)

Escola Politècnica Superior d'Edificació de Barcelona (14)

Escola Politècnica Superior d'Enginyeria de Manresa (6)

Escola Politècnica Superior d'Enginyeria de Vilanova i la Geltrú (8)



Restricted Educational Resources



Llibre «Noves notes de Química Quàntica (segona edició)» de la col·lecció Sapientia de la

UJI 

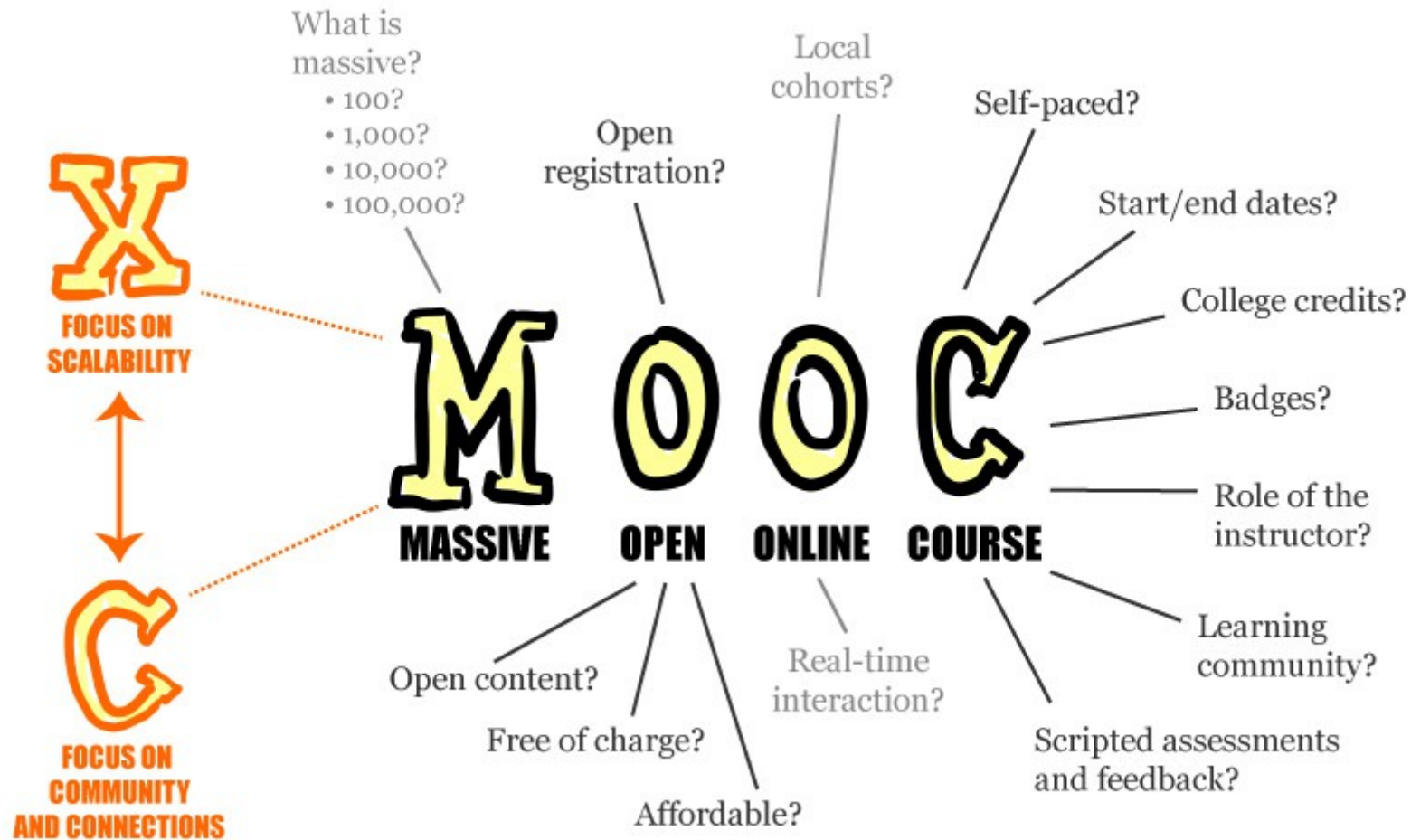
Autor: Josep Planelles

Editor: Universitat Jaume I

Data: 2010



And then, the MOOCs



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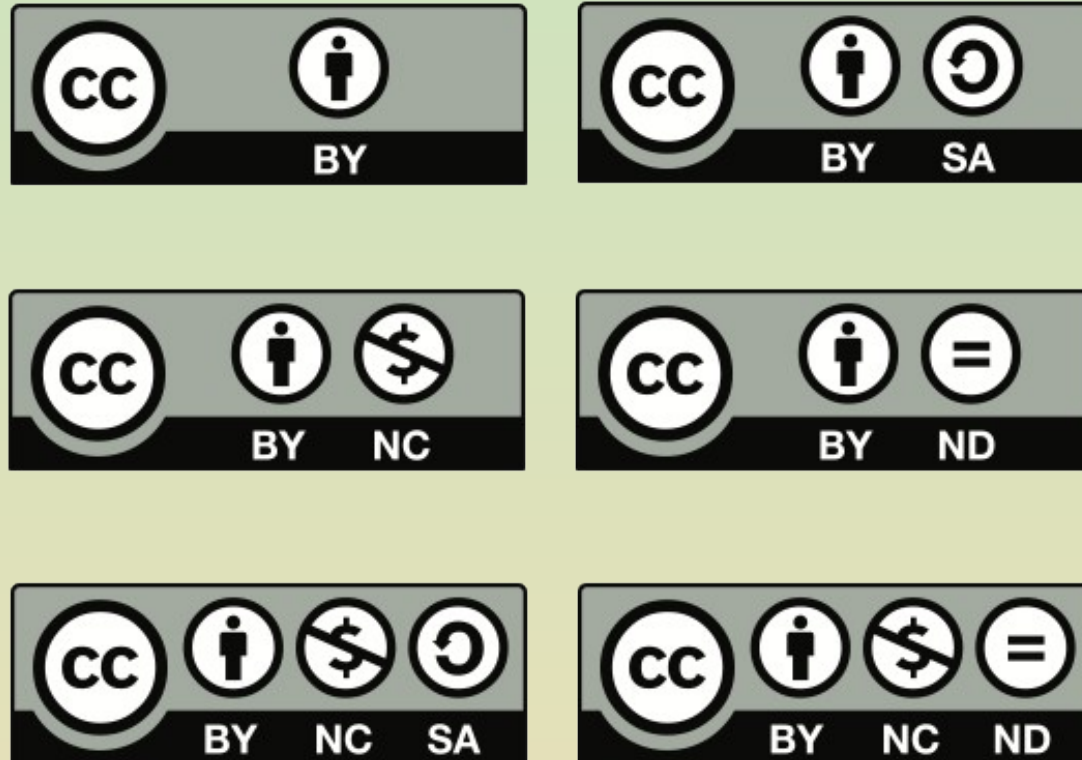


Back to the definition

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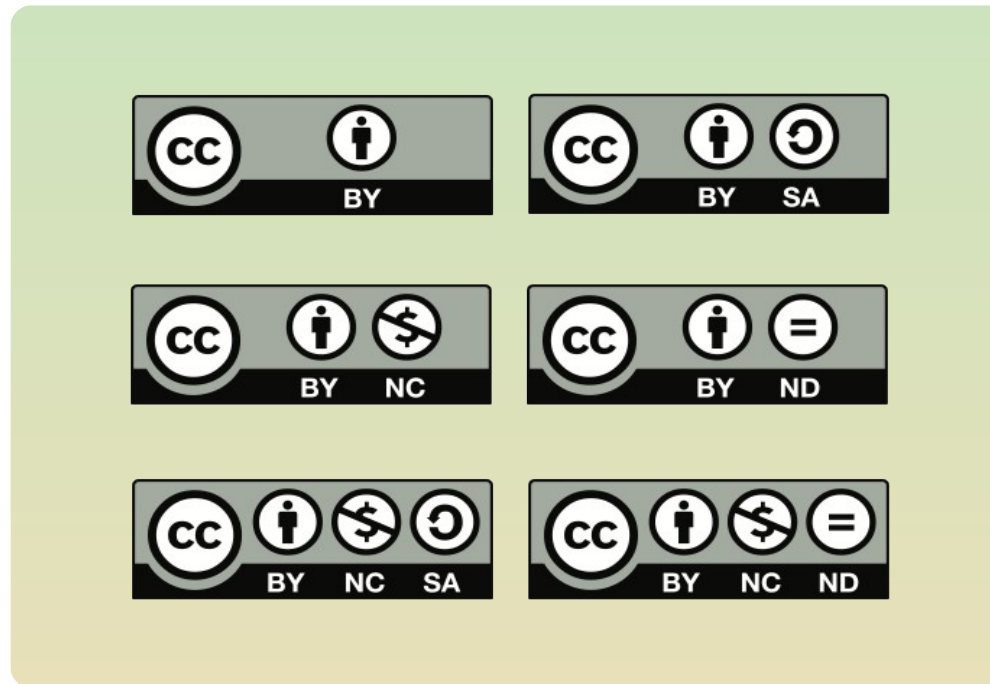


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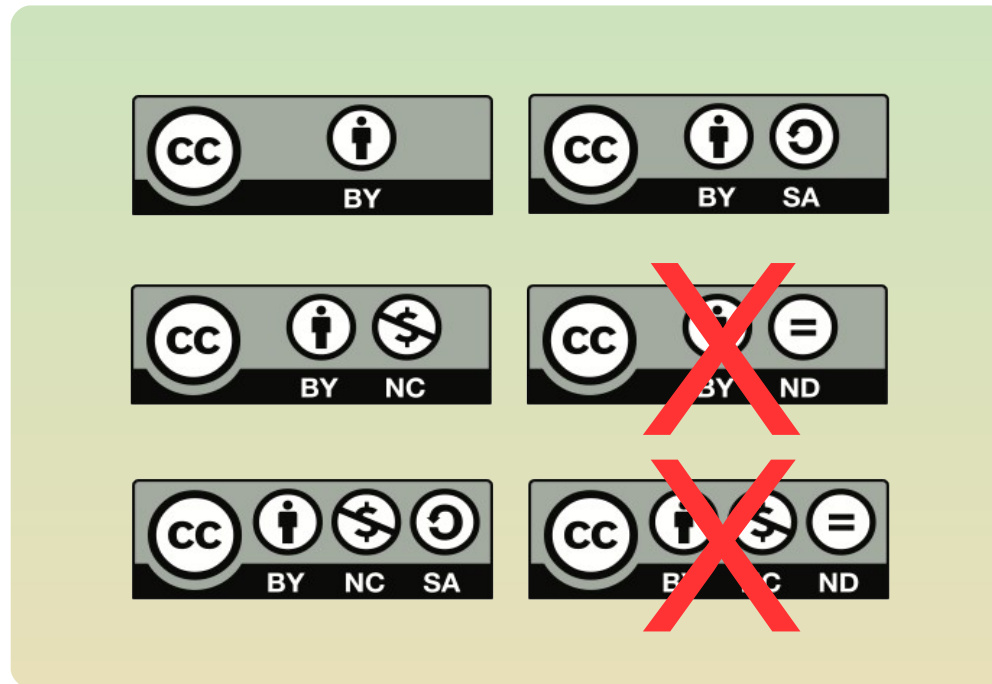
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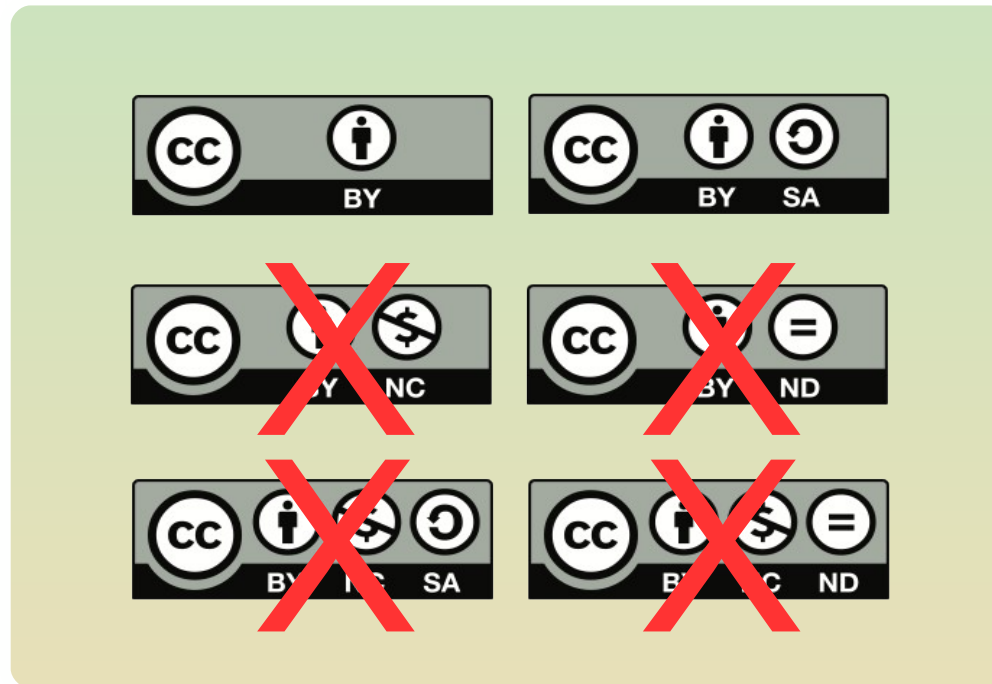
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Let's choose a license

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CC BY is a good option for openness

It allows unrestricted adaptations, modifications

No restrictions or conditions on derivative works

Compatible with any free license (legal interoperability)

Requires attribution (non endorsement) and respect for moral rights where exist



Questions to think about

Who is the copyright owner or rights holder

Who will allow a wider reuse beyond license terms

Who will decide the license terms



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