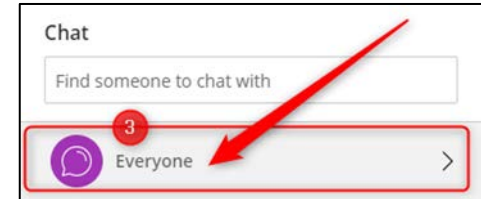


Welcome to Collaborate!

To access the Chat functionality, go through the following three steps



This webinar with the topic 'Redesigning Your Course with Open Educational Resources' will start at 10:00 AM

Redesigning Your Course with Open Educational Resources

Webinar

12 May 2020,
10:00-12:30

Who We Are & Why We're Here



Frederiek van Rij
ESI/RUG



Mira Zhuk
UB/RUG



Raquel Raj
UB/RUG



Michel Jansen
SURF



Lieke Rensink
SURF



House Rules

- Asking & answering questions
- Group work & interactions
- Slides are available [here](#)
- Session recording will be available

Goals of the webinar

After following this webinar, you should be able to:

- Understand how to use open educational resources (OER), basics of the copyright and open licenses
- Search strategically for and evaluate OER most relevant to your subject area
- Design appropriate teaching and learning activities using OER

Today's agenda

1. OER and copyright basics

Short break

1. Integrating OER into your course design and teaching
1. Creating and sharing your own open teaching materials: how and where
1. Q&A session

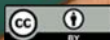
1. OER and Copyright Basics
2. Integrating OER into Your Course Design & Teaching
3. Creating and Sharing Your Open Teaching Materials
4. Q&A

1. OER and Copyright Basics

FREE EDUCATIONAL RESOURCES

Introduction OER

This part of the presentation is licensed with a
Creative Commons Attribution 4.0 International-license



SURF

Developing good learning materials is time-consuming and expensive. There are many benefits to be gained if you work together as a community of lecturers. By using other people's learning materials, you can enhance your own teaching; it offers substantive and didactic inspiration and saves you time.

This [Introduction to open educational resources](#) (OER) explains what OER's are, how you can use them in your own teaching, and how you can structure your own materials in such a way that others are able to make optimum use of them.

The contents from this module are also available for download.

→ [Download the module \(PDF\)](#)

Aspects of open educational resources

What are open educational resources?

→ [Read more](#)

Why work with open educational resources?

→ [Read more](#)

Using other people's open educational resources

→ [Read more](#)

Developing learning materials for re-use

→ [Read more](#)

Collaborating on learning materials in a professional community

→ [Read more](#)

Sharing your own learning materials for re-use

→ [Read more](#)

Open Educational Resources

What are Educational Resources?

Large variation

- Video
- E-modules
- Infographics
- Textbooks
- E-books
- Assignments
- Presentations
- etc.



Open Educational Resources

SCENARIO 1

CLASSIC WAY OF DEVELOPING EDUCATION



Students

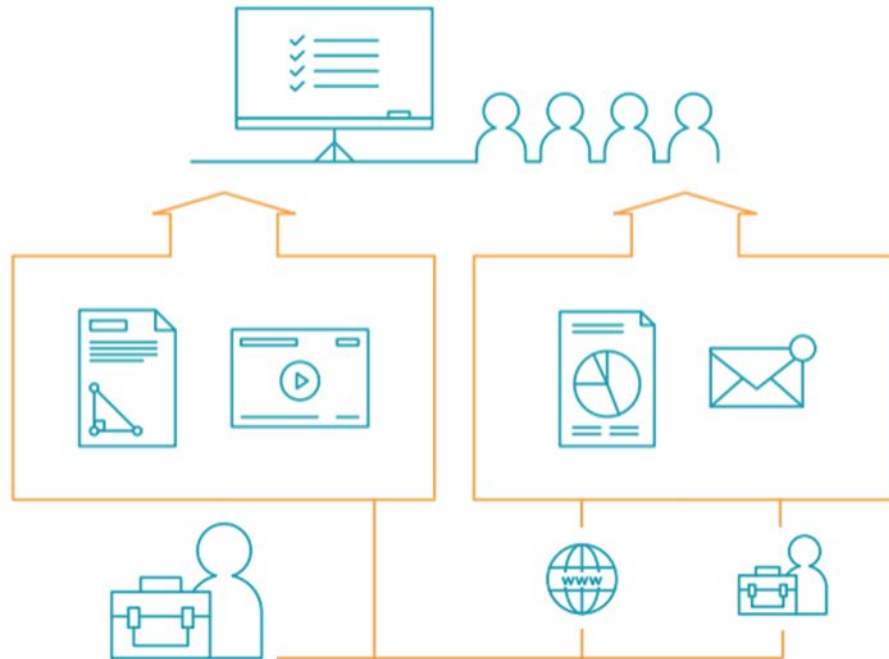
Educational Resources

Teacher

Open Educational Resources

SCENARIO 2

INFORMAL SHARING OF OPEN EDUCATIONAL RESOURCES

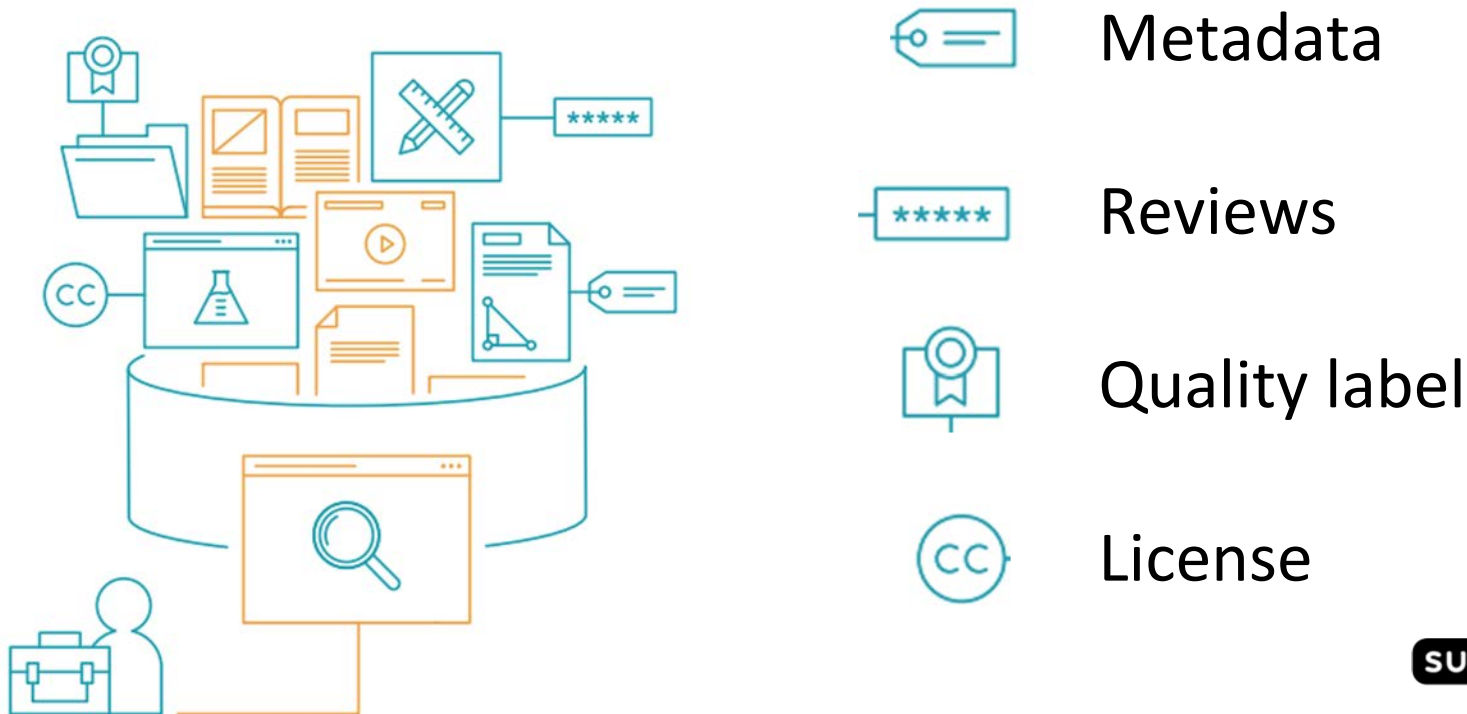


Colleague

Open Educational Resources

SCENARIO 3

FORMAL USE OF OPEN EDUCATIONAL RESOURCES



Creative Commons



BY



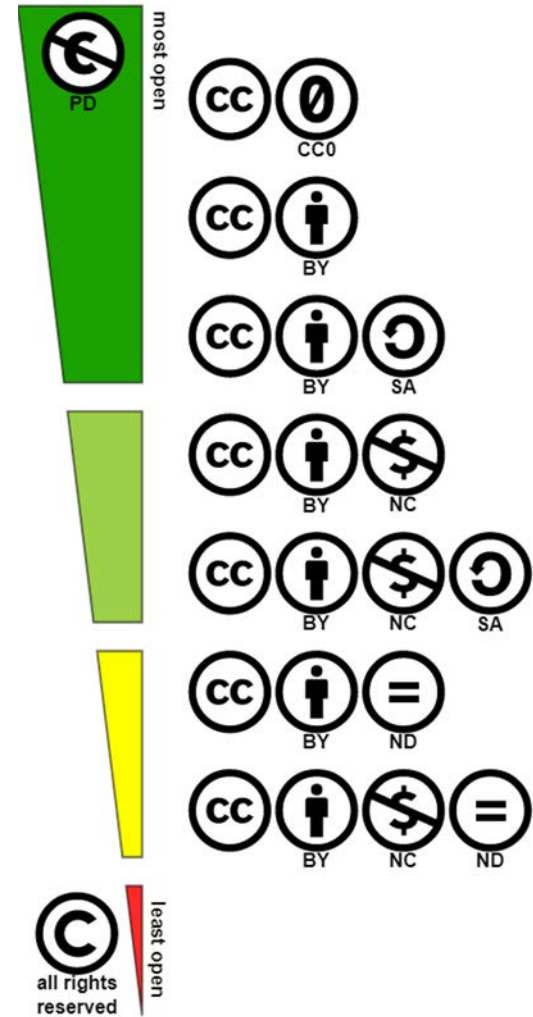
NC



ND



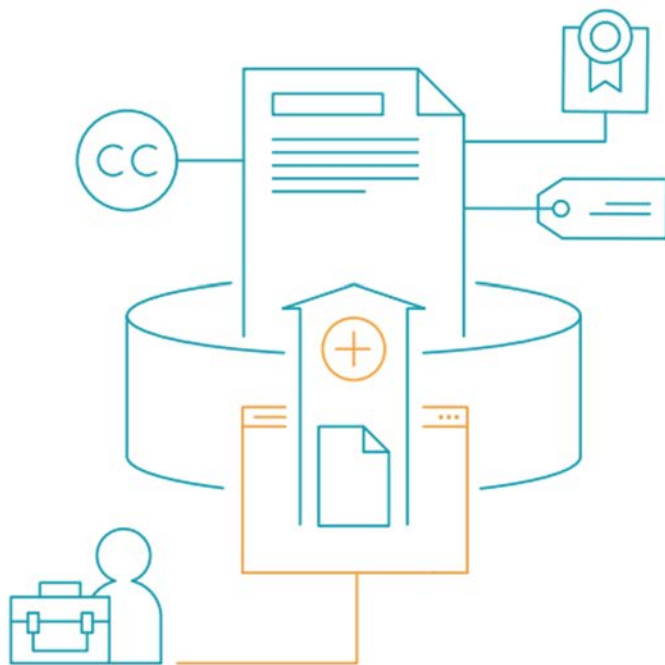
SA



Open Educational Resources

SCENARIO 4

FORMALLY SHARE YOUR OWN OPEN EDUCATIONAL RESOURCES

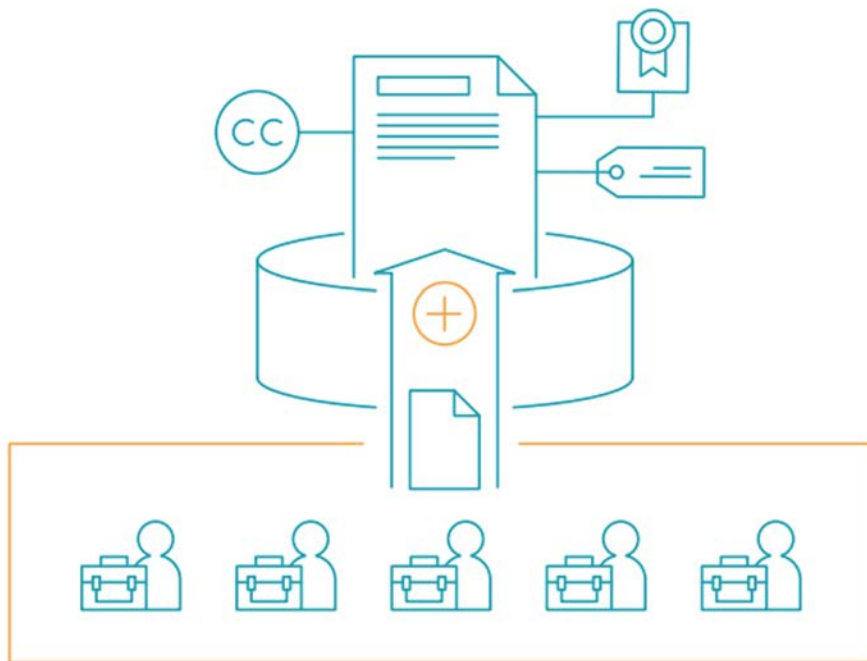


- Improving quality through feedback from the community
- Making a contribution to society/knowledge valorisation
- Cost saving
- Greater student satisfaction
- ...

Open Educational Resources

SCENARIO 5

COLLABORATION IN THE PROFESSIONAL COMMUNITY



Stimuleringsregeling

€ 175.000,-

Projecten Leermaterialen delen en hergebruiken

Leermaterialen delen en hergebruiken biedt kansen voor innovatie en kwaliteitsverbetering van het hoger onderwijs. Het ministerie van OCW stelt jaarlijks geld beschikbaar voor een stimuleringsregeling om dit te bevorderen. Op deze pagina vind je een overzicht van de projecten die aan deze regeling hebben deelgenomen.

[Alle projecten](#)[Bèta projecten](#)[Gamma projecten](#)[Medische projecten](#)[Geesteswetenschap projecten](#)

Digitale leermaterialen

Onderwijs & ICT

Studenten en docenten moeten eenvoudig op 1 plek over een rijke verzameling aan digitaal leermateriaal kunnen beschikken, of dat nu van uitgeverijen of van hogeronderwijsinstellingen komt. Eén landelijke infrastructuur maakt dit mogelijk.



Kirsten Veelo

Stel mij je vragen over digitale leermaterialen.

Neem contact op

Snel naar: [Uitgelicht](#) [Innovatie](#) [KenniS](#) [Praktijk](#) [Diensten](#) [Over digitale leermaterialen](#)

Uitgelicht



**Stimuleringsregeling
Open en online**

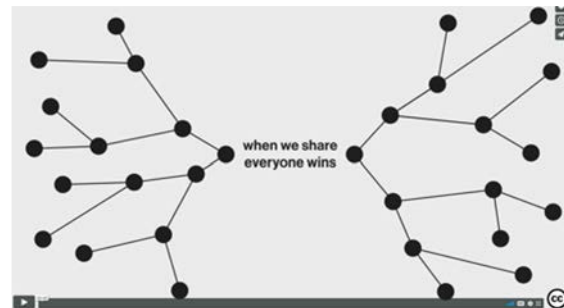
What Do You Already Know?

To refresh your memory:

1. Go to the quiz (link provided in the chat)
1. Answer the 7 questions **about the different Creative Commons licenses**

Why use OER in your teaching?

- Resource-saving & quality
- Inspiration & innovation
- Customizing & localizing the content
- Access to education & social justice ethos
- Contributing to open science & open knowledge



“When we share, everyone wins”

Finding Appropriate OER

Repositories:



Material Type

- ☒ Any
- ☐ Animation
- ☐ Assessment Tool
- ☐ Assignment
- ☐ Case Study
- ☐ Collection
- ☐ Development Tool
- ☐ Drill and Practice
- ☐ ePortfolio
- ☐ Hybrid or Blended Course
- ☐ Learning Object Repository
- ☐ Online Course
- ☐ Online Course Module
- ☐ Open (Access) Journal-Article
- ☐ Open (Access) Textbook
- ☐ Presentation
- ☐ Quiz/Test
- ☐ Reference Material
- ☐ Simulation
- ☐ Social Networking Tool
- ☐ Syllabus
- ☐ Tutorial
- ☐ Workshop and Training Material

Audience

- ☐ Pre-K
- ☐ Grade School
- ☐ Middle School
- ☐ High School
- ☐ College General Ed
- ☐ College Lower Division
- ☐ College Upper Division
- ☐ Graduate School
- ☐ Professional

Material Quality

- ☐ Has Peer Reviews
- ☐ Has Editor Reviews
- ☐ Has Member Comments
- ☐ Has User Ratings
- ☐ Has Learning Exercises
- ☐ Has Bookmark Collections
- ☐ Has Course ePortfolios
- ☐ Has SERC Activity Sheets
- ☐ MERLOT Award Winner
- ☐ Created with Content Builder
- ☐ Has eTextbook Reviews
- ☐ Has an Accessibility Information form

Technical Format

- ☐ Audio File (e.g. Podcast)
- ☐ Common Cartridge
- ☐ Document (e.g. Word)
- ☐ Executable Program
- ☐ Flash
- ☐ Image
- ☐ Java Applet
- ☐ PDF
- ☐ Presentation (e.g. PowerPoint)
- ☐ SCORM
- ☐ Spreadsheet (e.g. Excel)
- ☐ Video
- ☐ Website
- ☐ Zip
- ☐ Other

Mobile Platform

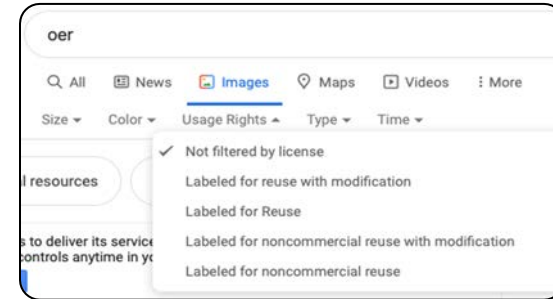
- ☐ Android
- ☐ Blackberry
- ☐ iOS (Apple)
- ☐ Windows Mobile

Finding Appropriate OER

Repositories:



Search engines:



Finding Appropriate OER

Open Textbooks:



Open Courses:



MOOCs: FutureLearn, Coursera, edX,
Khan Academy, P2PU

Multimedia:



Thematic Collections of OER

Science & STEM:

[FreeTechBooks](#)

[American Institute of Mathematics textbooks](#)

[STEM interactive simulations](#)

[Science Forward resources](#)

Arts & Humanities:

[Art History Teaching Resources](#)

[The Daily Idea: Philosophy Resources](#)

[CALI eBooks \(Law\)](#)

[Open Culture](#)

Medicine:

[Free Books 4 Doctors](#)

[Anatomy Tool](#)

[MedEd Portal](#)

[OpenI Biomedical Images](#)

Social Sciences & Economics:

[Noba Project \(Psychology\)](#)

[Digital Futures for Learning](#)

[Learning Edge: MIT Management & Business](#)

[Open Social Work Education](#)

Finding Appropriate OER: Quality Criteria

Didactic:

- Constructive alignment with learning outcomes
- Appropriate for course level & audience
- Clear requirements regarding prior knowledge
- Available instructions
- Available supplementary resources

Content:

- High quality: clear, well-written, readable
- Reliable and accurate
- Reputable source & peer-reviewed
- Up-to-date / still meaningful
- Language: spelling, culturally appropriate, no bias

Technical:

- Accessible to users
- Usable format & interface
- Downloading or linking
- Inclusive
- Fitting the electronic learning environment

Licensing:

- Appropriately licensed
- Open or free to use?
- Adaptable & customizable

Still early days of OER! Radboud UMC research: only 18% of inspected open materials in Medicine (2600 out of 14500) qualified as fully suitable according to set criteria

Potential barriers and thresholds

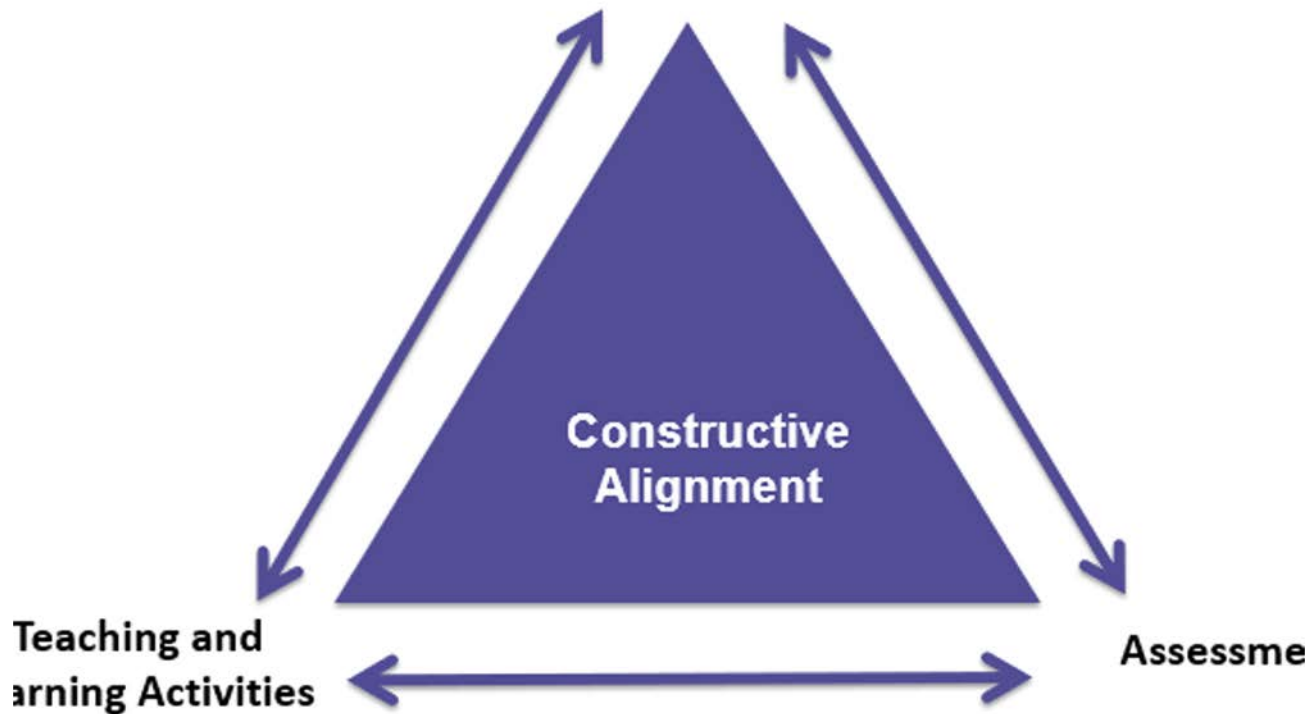
1. Go to PollEverywhere (link provided in the chat)
2. List as many **barriers and thresholds against integrating OER into your teaching** as you can think of (submit each answer separately)
3. Up- and downvote other responses given

Break

1. OER and Copyright Basics
2. Integrating OER into Your Course Design & Teaching
3. Creating and Sharing Your Open Teaching Materials
4. Q&A

2. Integrating OER into Your Course Design and Teaching

Course Design



OER Course Planning Template

YOUR NAME AND NAME OF YOUR COURSE:

YOUR SELECTED OER (ONE OR MORE):

PROVIDE A BRIEF RATIONALE FOR SELECTING YOUR OER:

UNIT / WEEK / MODULE OF COURSE:

LEARNING OUTCOME(S) THAT APPLY:

LEARNING ACTIVITIES AND/OR ASSIGNMENTS THAT APPLY:

CURRENT CONTENT (IF NOT NEW COURSE): READING, RESOURCE, VIDEO, ETC.

OER REPLACING OLD CONTENT OR OER FOR NEW COURSE (IF FREE BUT NOT OER, PLEASE IDENTIFY):

OER LICENSING CONDITIONS (BE SPECIFIC):

ADOPTING AS IS OR NEEDS MODIFYING OR SUPPLEMENTING:

IF MODIFYING OR SUPPLEMENTING, WHERE WILL NEW CONTENT COME FROM:

INSTRUCTOR, ANOTHER OER, RESERVE, ETC.

NOTES:

Zhadko, O. & Ko, S. (2017, 2019). An OER Course Planning Document: Define, Evaluate, Select and Integrate!



YOUR NAME AND NAME OF YOUR COURSE:

YOUR SELECTED OER (ONE OR MORE):

https://openstax.org/details/
books/introduction-sociology-2e"/>

PROVIDE A BRIEF RATIONALE FOR SELECTING YOUR OER:

The open textbook provide content on most of the essential course topics. The book reflects the latest research and provides current examples. The text is a collective work from multiple faculty. The book has handy student and instructor supplemental resources.

UNIT / WEEK / MODULE OF COURSE:

LEARNING OUTCOME(S) THAT APPLY:

LEARNING ACTIVITIES AND/OR ASSIGNMENTS THAT APPLY:

CURRENT CONTENT (IF NOT NEW COURSE): READING, RESOURCE, VIDEO, ETC.

OER REPLACING OLD CONTENT OR OER FOR NEW COURSE (IF FREE BUT NOT OER, PLEASE IDENTIFY):

OER LICENSING CONDITIONS (BE SPECIFIC):

ADOPTING AS IS OR NEEDS MODIFYING OR SUPPLEMENTING:

IF MODIFYING OR SUPPLEMENTING, WHERE WILL NEW CONTENT COME FROM:

INSTRUCTOR, ANOTHER OER, RESERVE, ETC.

NOTES:

Zhadko, O. & Ko, S. (2017, 2019). An OER Course Planning Document: Define, Evaluate, Select and Integrate!



How to Use OERs of Others in Your Teaching

Integrate as separate units (regular learning materials):

- Images, charts, blog posts, articles, research papers
- Lesson plans, powerpoints, test banks, assignments, knowledge clips
- Lectures of colleagues from various institutions

Look at how education is designed & delivered at other institutions:

- Go through online modules, MOOCs
- Get inspired & inspire

Involve your students in... (Co)development of open learning materials:

- Producing knowledge clips, articles, podcasts, charts
- Collaborative products

Finding of open learning materials:

- Searching for and finding relevant OER
- Quality evaluation of their findings, critical thinking skills

Home Assignment

Course: [Introduction to Biomedical Sciences \(MSc\)](#), [topic on ethics](#)

Materials used previously: lecture notes, (open) videos, presentations from field professionals

Learning outcomes themes:

- Ethics, biomedical science conduct
- Scientific behavior & communication
- Career possibilities
- Informatics skills (statistics, computational biology, big data)

OER search strategy: Repositories (Merlot, OER Commons), search engines (Mason), MIT OpenCourseware, MOOCs (Coursera), open textbook repositories (Open Textbook Library), thematic sources (Free Books 4 Doctors)

Suggested OER & tools:

Open textbooks: [Public Health Ethics: Global Cases, Practice, and Context](#), [ACP Ethics Manual](#), [Bioethics](#) resources, [Biomedical Engineering Theory And Practice](#) reference book

Open courses & courseware: [Career Options for Biomedical Research \(MIT\)](#), [Understanding Medical Research \(Yale\)](#), [Biomedical Engineering: Developing Professional Skills \(MIT\)](#), [Best Practices for Biomedical Research Data Management \(Harvard\)](#)

Practice exercises & quizzes: [Biomedical Quiz for Beginners in the Field](#), [Ethics Case Studies and Educational Resources](#), [Apperception: A Game of Ethics](#), [Seven Step Method for Ethical Decision-Making](#)

Specific tools: Mind-mapping with [Mindmeister](#), [MindMup](#), [Miro](#)

Group discussion

Let's go beyond the textbook and discuss together:



What kind of open practices and OER do you already implement in your own teaching?

Tool: break-out groups in Collaborate

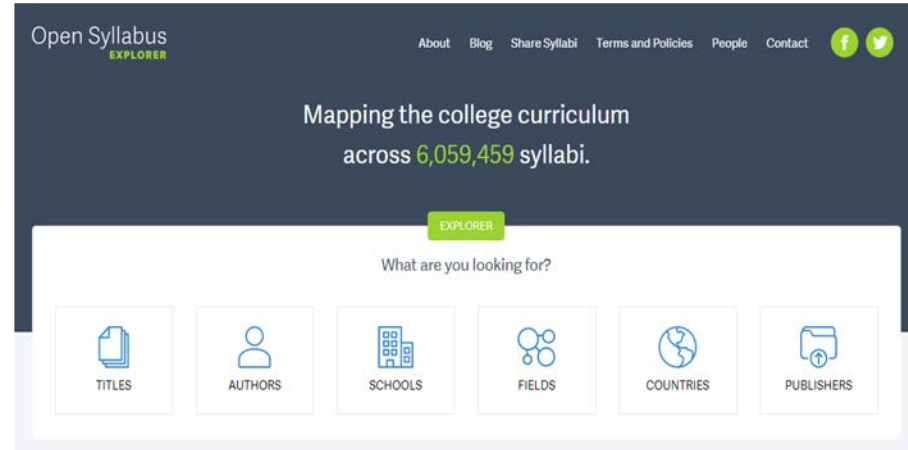
Duration: 10 min

Please enable your microphone & (if possible) camera

Inspirational Examples

Open Syllabus Project

Prepare courses or investigate the possibilities for student projects, assignments or learning/teaching moments using data/information from Open Syllabus



Exercise:
Explore the Open Syllabus Project
and their interactive
Co-assignment Galaxy Graph

Inspirational Examples

- CT scan - for students to scroll through in preparation for tutorials
- STEM interactive simulations (Science & Math)
- Gap Minder - Dollar Street

Example of home assignment with OER:



This video mashup of Kennedy and Nixon debating the merits of blogs and wikis was produced and shared by students on YouTube as part of their official course work

Inspirational Examples

Collections of course assignments & cases:



Community of Online Research Assignments
an open access resource for faculty and librarians



LearningEdge

Prepare assignments for your courses, explore syllabi, quizzes and discussion activities

Explore free case collections, case studies and simulations that can be integrated into teaching, used for discussions and home assignments

Inspirational Examples

Open study notes

Introduce collaborative note-taking with incorporated CC materials (images, graphs, videos, links) that could be published as a handbook

Open story maps

Get the students to experiment and create their own open story maps instead of standard assignments/ essays. Use open data, tools and multimedia for storytelling

Explore stories

Looking for ideas? You've come to the right place. Discover the latest and greatest content from our storytelling community. See what story maps we're loving right now, go behind the scenes with a featured storyteller, or browse top-notch stories on a variety of topics.

What we're reading



Exercise:

Get inspired by story maps like [ArcGIS StoryMaps](#)

1. OER and Copyright Basics
2. Integrating OER into Your Course Design & Teaching
3. Creating and Sharing Your Open Teaching Materials
4. Q&A

3. Creating and Sharing Your Open Teaching Materials

Creating Open Teaching Materials

- Quality model Roadmap for developing OER
- Tool for choosing a CC License
- Tool for building attribution

RUG generally publishes its materials under the following CC licence:



Attribution-NonCommercial-ShareAlike (CC BY-NC-SA)

NB: Unless negotiated otherwise, the institution (RUG) holds the copyright on OER and other teaching materials developed within the course/in employment (according to the Collective Labor Agreement)

Content Creation Tools



Open Author tool for
building OER and courses



Content creation tools (materials
and ePortfolios of courses)



Tool for creating open textbooks, course materials,
syllabi and monographs as interactive online books



Tool for planning education projects on
OER and developing open content

OER on OER

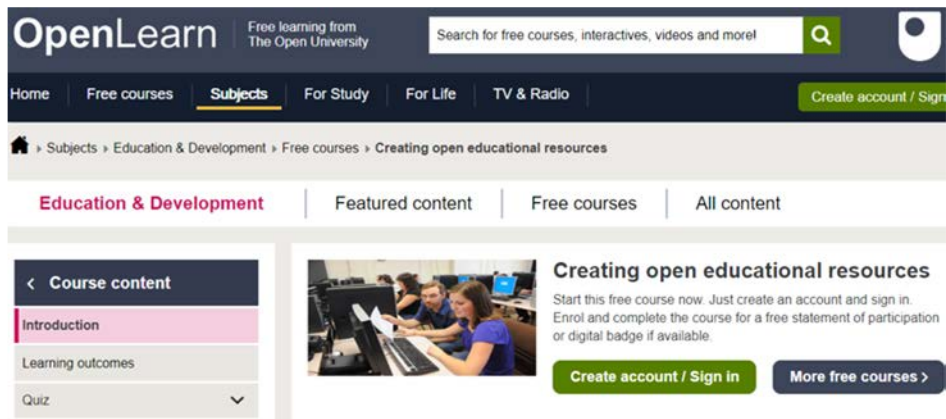
Micro-courses on creating OER



[Home](#) [How it works](#) [Courses](#) [Partners](#) [Qualifications](#)

OER Development Project

Put your digital skills and knowledge of open educational practices to work and develop OER learning materials for the real world, with options for recognition towards formal academic credit.

The screenshot shows the OpenLearn website interface. At the top, the 'OpenLearn' logo is on the left, and a search bar is on the right. Below the logo, a navigation bar includes links for 'Home', 'Free courses', 'Subjects' (which is highlighted), 'For Study', 'For Life', and 'TV & Radio'. A 'Create account / Sign in' button is on the far right. Below the navigation bar, a breadcrumb trail reads: 'Subjects > Education & Development > Free courses > Creating open educational resources'. A secondary navigation bar below this contains links for 'Education & Development' (highlighted), 'Featured content', 'Free courses', and 'All content'. On the left side of the main content area, there is a 'Course content' sidebar with a list: 'Introduction' (highlighted with a pink bar), 'Learning outcomes', and 'Quiz'. To the right of the sidebar, there is a large image of students working at computers. To the right of the image, the text 'Creating open educational resources' is displayed, followed by a brief description: 'Start this free course now. Just create an account and sign in. Enrol and complete the course for a free statement of participation or digital badge if available.' At the bottom of this section, there are two buttons: 'Create account / Sign in' and 'More free courses >'.

OpenLearn Free learning from The Open University

Search for free courses, interactives, videos and more!

Home Free courses **Subjects** For Study For Life TV & Radio Create account / Sign in

Subjects > Education & Development > Free courses > Creating open educational resources

Education & Development Featured content Free courses All content

< Course content

Introduction Learning outcomes Quiz

Creating open educational resources

Start this free course now. Just create an account and sign in. Enrol and complete the course for a free statement of participation or digital badge if available.

Create account / Sign in More free courses >

Sharing Open Teaching Materials

Repositories:

SURF ShareKit (NL)*



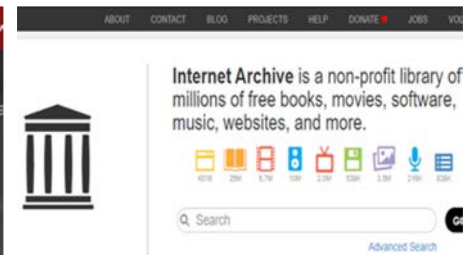
OER Commons



Merlot



Internet Archive

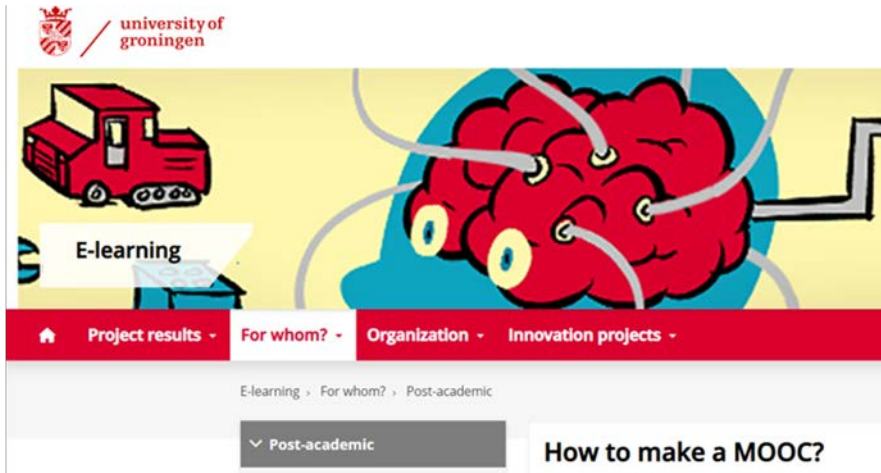


*Searchable via
SURF ZoekPortaal

Sharing Open Teaching Materials

MOOCs:

RUG MOOCs provided via FutureLearn platform



Multimedia repositories:

flickr

vimeo

Sketchfab

YouTube



Need help? We're there to support you:

Curated collection of useful OER information & links: [OER LibGuide](#)

OER support point: oer-library@rug.nl

Copyright support point: copyright@rug.nl

MOOC coordinator: t.spits@rug.nl

ESI services (didactic expertise): docentprofessionalisering@rug.nl

Thank you!

Please fill in the [webinar evaluation survey](#)

1. OER and Copyright Basics
2. Integrating OER into Your Course Design & Teaching
3. Creating and Sharing Your Open Teaching Materials
4. Q&A

4. Q&A

Please raise your hand to let us know you have a question, so that we can give you access to the microphone/video

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By

Raquel Raj, Mira Zhuk and Frederiek van Rij – Rijksuniversiteit Groningen
Lieke Rensink and Michel Jansen – SURF

12 May 2020