Welcome to the

ENCORE+

Final Conference

30 November - 5 December 2023

Day 1

Thursday
30th November

A Network for Open - Why and for whom?

Session 1

Thursday 30th November
10:00 - 12:00 CET

Networking for OER:
3 Years of ENCORE+

ENCORE+ FINAL CONFERENCE

30 Nov
A Network for Open - Why and for whom?

1. **Networking for OER**
   3 Years of ENCORE+
   10:00-12:00

2. **Open to Open?**
   Enabling Open & Multistakeholder Collaboration
   13:00-15:00

1 Dec
ENCORE+ Network themes

3. **OER Technology**
   Advancing Interoperability and Standards
   10:00-11:30

4. **Policy & Practice**
   in Higher Education and Business
   12:30-14:00

4 Dec
ENCORE+ Network themes

5. **Quality**
   and Transparency
   10:00-11:30

6. **OER Innovation & Business Models**
   12:30-14:00

5 Dec
OER in Europe - Today & Tomorrow

7. **Catalysing OER**
   Policies & Recommendations for Europe
   10:00-12:00

8. **Beyond ENCORE+**
   OER, AI & the Future
   13:00-15:00

*All event times listed in CET

encore+
European Network for Catalysing Open Resources in Education

encore+

European Network for Catalysing Open Resources in Education

Opening Remarks

Torunn Gjelsvik, Secretary General, ICDE

This project has been funded with support from the European Commission. This publication reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.
This document is licensed under a **Creative Commons Attribution-ShareAlike 4.0 International license** except where otherwise noted.

Co-funded by the Erasmus+ Programme of the European Union

encore+

European Network for Catalysing Open Resources in Education

A European Outlook on OER

Prof. Dr. Ulf-Daniel Ehlers, DHBW

This project has been funded with support from the European Commission. This publication reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.
This document is licensed under a **Creative Commons Attribution-ShareAlike 4.0 International license** except where otherwise noted.

Co-funded by the Erasmus+ Programme of the European Union

Agenda

- **Opening Remarks**
  Torunn Gjelsvik, ICDE
- **A European Outlook on OER**
  Prof. Dr. Ulf-Daniel Ehlers, DHBW
- ***Coffee Break***
- **ENCORE+ Project & Network**
  Juliane Granly, ICDE
- **The integrated perspective of ENCORE+**:
  4 themes, 1 network - a conversation with ENCORE+ Partners

Coffee Break

The conference will resume after a short break.

ENCORE+

Final Conference

30 November - 5 December 2023

encore+

European Network for Catalysing Open Resources in Education

Networking for OER: 3 Years of ENCORE+

Juliane Granly & Prof. Dr. Ulf-Daniel Ehlers

This project has been funded with support from the European Commission. This publication reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.
This document is licensed under a **Creative Commons Attribution-ShareAlike 4.0 International license** except where otherwise noted.

Co-funded by the Erasmus+ Programme of the European Union

European Network for Catalysing Open Resources in Education

The ENCORE+ Network amplifies existing OER initiatives, projects, platforms and networks into a European OER Ecosystem.

Community building and collaboration for increased adoption, use and impact of OER (defragmenting the OER community).

The “Basics” #1

- ➔ An Erasmus+, Knowledge Alliance project funded by the European Commission.
- ➔ 3 Years - Project Period: 01.01.2021 - 31.12.2023
- ➔ 9 Partners

Project Partners:

International Council for Open and Distance Education	Norway
Baden-Wuerttemberg Cooperative State University	Germany
The Open University	UK
Universidad Internacional De La Rioja	Spain
Knowledge 4 All Foundation	UK
H5P Group	Norway
Fondazione Politecnico di Milano	Italy
Instructure Global/Canvas	UK
Dublin City University	Ireland

Work Packages

1. Project Management
2. Building the European Network for Catalysing Open Resources in Education
3. Changing technology paradigms: the Future European OER Ecosystem
4. Strategies and policies for the European OER Ecosystem
5. Quality for the Future European OER Ecosystem
6. Supporting Innovation in the European OER Ecosystem
7. Quality management and evaluation of the ENCORE+ implementation
8. Information, dissemination & exploitation

OER for Education, Business and Innovation

The European Network for Catalysing Open Resources in Education (ENCORE +) supports the uptake and innovation of Open Educational Resources for education and business.
ENCORE+ is a ERASMUS+, Knowledge Alliances project co-funded by the European Commission.

Method

Community building and knowledge exchange through ***thematic Circle communities*** and cross-cutting integration events; demonstrate OER technology and catalyse innovation.

Approach

Acting as a ***hub for innovation***, stimulating business entrepreneurship and innovation in training and education; amplifying ***examples of best practice***; modelling ***innovation***.

Result

An enhanced educational ***ecosystem*** which effectively supports innovation in education and training with and through OER.

ENCORE+ Background and Rationale

- **A coordinated European OER ecosystem** strengthening the value of OER as a catalyst and multiplier.

  Responding to the priorities of opening up and modernising the European education and training sector through:

  ➜ meaningful and focused human networks
  ➜ technological solutions for sharing and discovering OER
  ➜ policy reviews
  ➜ quality criteria
  ➜ business models drawing on the affordances of OER to support innovation

- ENCORE+ supports uptake of OER through business and academia by **formulating value propositions for using OER in education, training and business**

ENCORE+ Background and Rationale

ENCORE+ directly addresses several European and international policy priorities:

- Stimulating innovation in businesses through learning and training innovation
- Reducing barriers to education affording learners the opportunity to up-skill or re-skill at a lower or nearly no cost, and in a flexible way
- Supporting the modernisation of higher education in Europe, including digitalisation
- Bridging non-formal & formal education by advancing recognition of open learning

Vision

- New OER entrepreneurs & start-up scene & OER engaged business actors
- More transparent EU OER Ecosystem
- European OER innovation Area
- Identify what works in organisations!
- Provide a new vision for OER Tech infrastructure
- Establish open, distributed and highly trusted community-based quality review strategies

Solution?

- ENCORE+: A coordinated European approach strengthening the value of OER as a catalyst and multiplier.
- Move from a series of individual OER initiatives into a European OER Ecosystem.
- Addressing and contributing to European and International Policy Priorities
- Stimulating innovation in businesses through learning and training innovation
- Supporting the modernization of higher education in Europe, including digitalization
- Bridging non-formal & formal education by advancing recognition of open learning

Impact

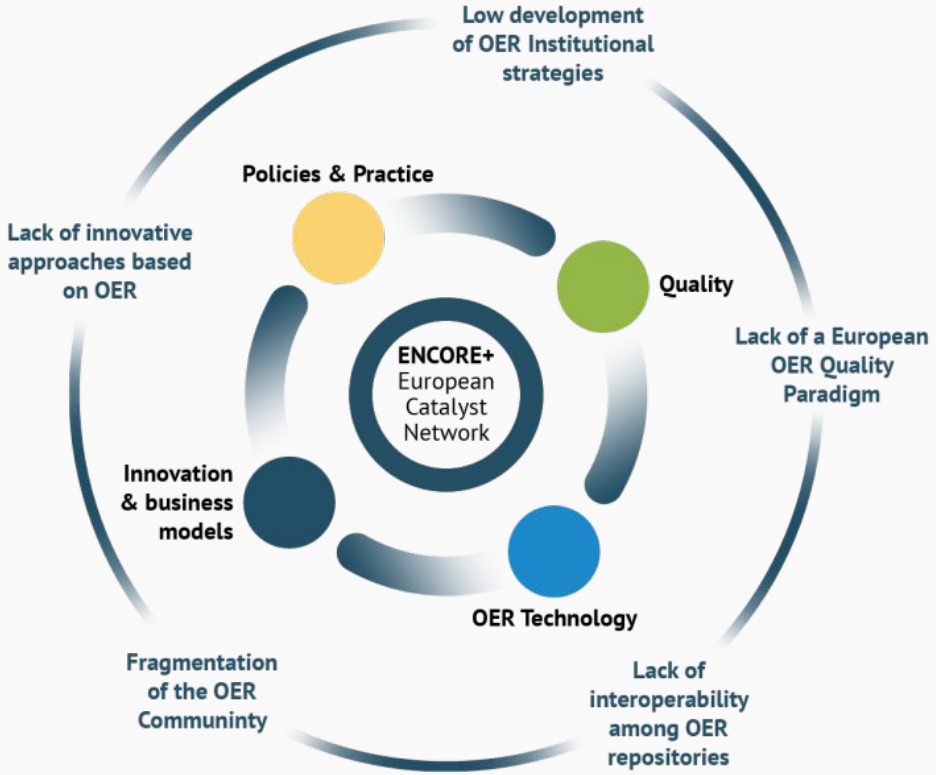
- Stimulating innovation in learning and teaching through the uptake of quality OER
- Better access to quality OERs
- Better support for language and culture adaptation
- Local companies gain access to high quality free training resources supporting lifelong learning and skills upgrade
- Innovation through OER creating opportunities for local entrepreneurs, companies and Ed Tech companies
- Enhanced local educational repository functions and usefulness
- Increasing inclusiveness of higher education

ENCORE+

5 Key Challenges for the OER Ecosystem

ENCORE+ Ecosystem

ENCORE+ will function as a **network catalyst** for a socio-technical ecosystem. That means that ENCORE+'s main mission will be to amplify existing OER initiatives, projects, platforms and networks by integrating them across the four thematic *Circle* strands and three crosscutting integration events.



5 Key Challenges

Needs	Actions	Outcomes
Need 1: De-fragment the OER stakeholders community in Europe	Mapping the OER ecosystem and its stakeholders; modelling future scenarios; consultation exercises; whitepapers; integration events; guides for innovation; integration across education and training; entrepreneurialism; reporting	ENCORE+ network, strengthening and connecting existing OER communities

5 Key Challenges

Needs	Actions	Outcomes
Need 2: Strengthen collaboration and interoperability among European OER repositories	Providing a centralised hub for OER content; new paradigms for repository technologies (interfaces; implementations; protocols; content creation & re-use; networking) authenticated by the relevant communities to support best practice	Integrated architecture of a European OER repositories infrastructure

5 Key Challenges

Needs	Actions	Outcomes
Need 3: Support development of OER institutional strategies in European businesses and academia	Working with diverse stakeholder base to identify, synthesise and share strategies and business models across business and higher education	European guidelines for developing effective OER strategies in business and academia

5 Key Challenges

Needs	Actions	Outcomes
Need 4: Integrated European OER quality paradigm and assurance mechanisms	Identifying the key quality concerns for future OER repositories, communities and users; piloting a new quality framework focused on harnessing and enabling OER innovation	European open & community-led Quality Review Framework for OER

5 Key Challenges

Needs	Actions	Outcomes
Need 5: Entrepreneurial innovative approaches and business models based on OER	Supporting innovation through information exchange; appropriate software and services to enable pathways to innovation; understanding of the drivers of innovation; meaningful interactions between relevant stakeholders; providing a showcase for innovation	European business and start-up community, empowered to innovate and improve operations by leveraging OER

Challenges

Challenge

De-fragment the OER stakeholders community in Europe

Action: Setup and support a sustained and well mapped European OER stakeholders network based on well connected higher education and business communities.

Challenge:

Support development of OER institutional strategies in European businesses and academia

Action: Stimulate the integration of OER institutional strategies within business and academia.

Challenge:

Entrepreneurial innovative approaches and business models based on OER

Action: Demonstrate the innovation potential of OER within business settings and promote successful OER business models.

Challenge:

Integrated European OER quality paradigm and assurance mechanisms

Action: Establish an open, distributed and highly trusted community-based OER quality review paradigm and working mechanism.

Challenge:

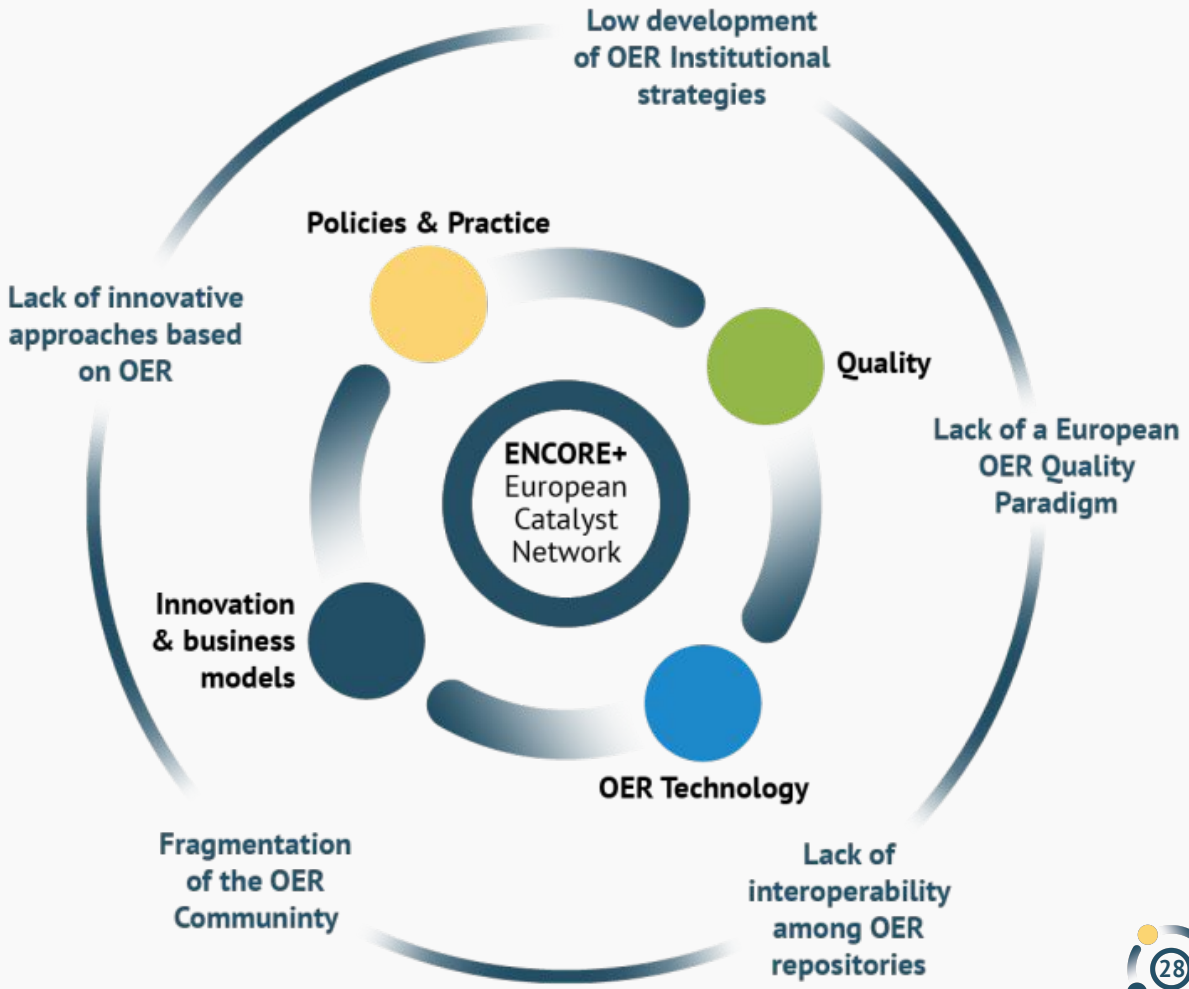
Strengthen collaboration and interoperability among European OER repositories

Action: Foster collaboration and connection of OER European repositories into a European OER repository ecosystem.

ENCORE+ Ecosystem

ENCORE+ functions as a **network catalyst** for a socio-technical ecosystem.

ENCORE+'s main mission is to amplify existing OER initiatives, projects, platforms and networks by integrating them across the four thematic *Circle* strands and three crosscutting integration events.



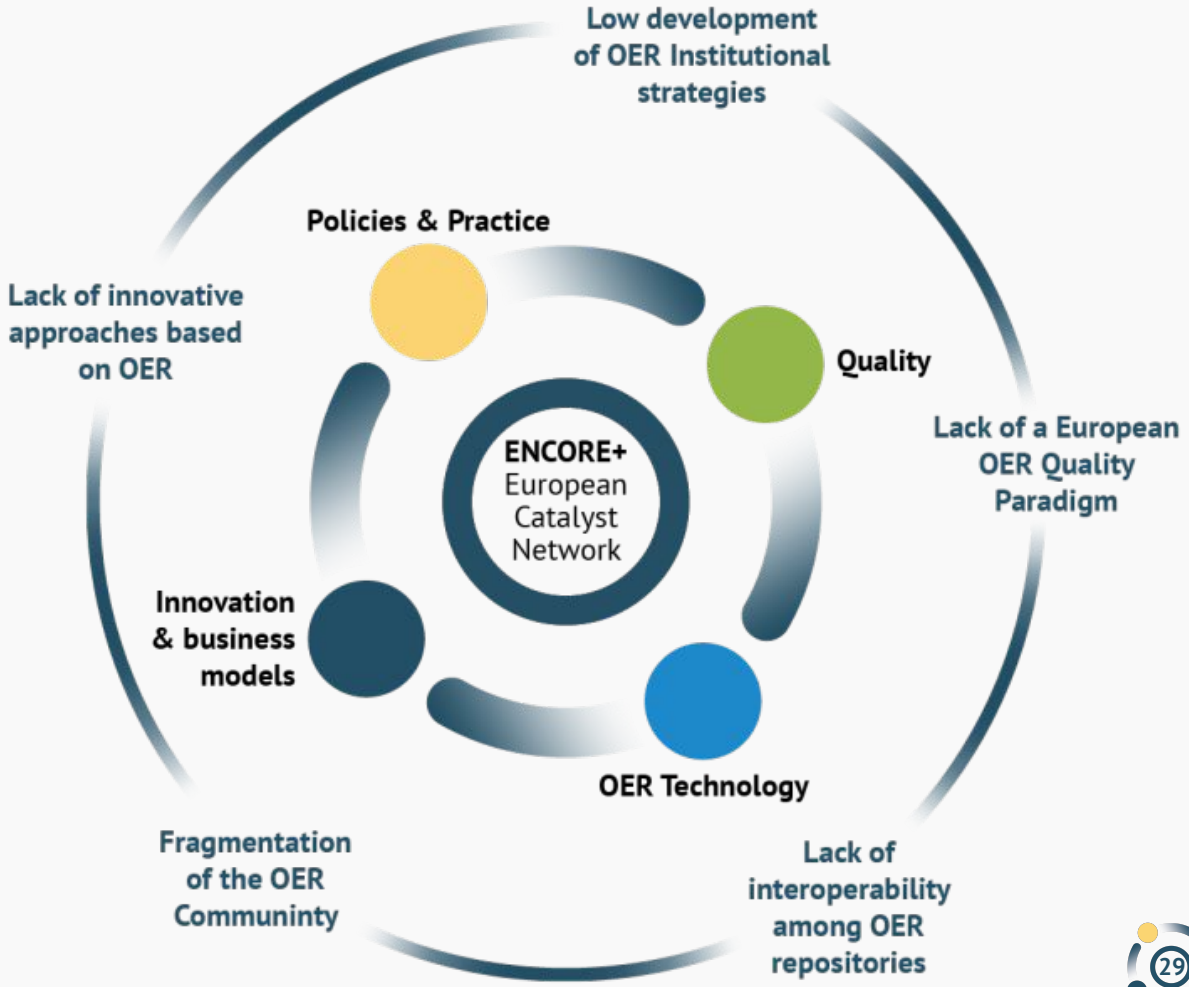
The ENCORE+ Network

OER Focus themes:

- Policies & Practice
- Quality
- Technology
- Innovation & Business Models

Integrated through three crosscutting integrated issues:

- Business innovation and employment
- Innovation in higher Education
- Business-university cooperation



Method

Community building and knowledge exchange through *thematic Circle communities* and cross-cutting integration events; demonstrate OER technology and catalyse innovation.

Approach

Acting as a *hub for innovation*, stimulating business entrepreneurship and innovation in training and education; amplifying *examples of best practice*; modelling *innovation*.

Result

An enhanced educational *ecosystem* which effectively supports innovation in education and training with and through OER.

Policies & Practice Circle

Focuses on supporting the development of OER institutional strategies in European businesses and academia.

Quality Circle

Focuses on an integrated European OER quality paradigm and assurance mechanisms.

OER Technology Circle

Focuses on strengthening the collaboration and interoperability among European OER repositories.

Innovation and business models Circle

Focuses on entrepreneurial innovative approaches and business models based on OER.

Technology

- Proof on Concept (PoC) of key features of OER Infrastructure
- Cutting Edge Technology Showcase for European OER
- Innovation Success features for OER Repositories

Policy

- Strategic support for OER value proposition
- Business strategies involving OER
- OER policies for Higher Education
- Policy guidelines for institutions

Quality

- State of the Art Report: Quality in the European OER Ecosystem
- ENCORE+ Quality framework
- Piloting the ENCORE+ Quality Framework
- Credentialing learning in the European OER Ecosystem

Innovation

- OER Innovation Report
- 6x ENCORE+ OER Innovation Briefings
- ENCORE+ Innovation Showcase
- ENCORE+ Innovation Evaluation Toolkit

The “Basics” #2

- ➔ 4 Themes
- ➔ 8 Work Packages
- ➔ ~ 47 Deliverables
- ➔ 16 Network Events + 1
- ➔ 3 Integration Events
- ➔ 1 Final Conference

Events

Thematic Network Events	4x OER Technology 4x OER Policies & Practice 4x OER Quality 4x OER Innovation & Business Models
Integration Events:	OER as catalyst for business innovation and employment OER as catalyst for innovation in higher education Providing Value for Europe: the European OER Ecosystem
Final Conference ENCORE+	November-December 2023

Presentations and workshops at external events:
E.g OEG, OEB, Lillehammer LLL, EDEN, EADTU etc.etc.

29 October 2021	30 September 2021	25 October 2021	27 September 2021
OER Technology Circle	Policies & Practice Circle	Quality Circle	Innovation & Business Models Circle
03 May 2022	05 May 2022	04 May 2022	02 May 2022
AI and OER: Integrating Ecosystems	Key quality concerns for future OER repositories, communities and users	Policy & Practice in educational and business contexts - Connecting OER and business strategy	Repository offerings, technologies, and strategies and the integration of existing innovations in the OER domain.
10 November 2022	30 November 2022	26 September 2022	26 October 2022
What makes OER repositories work? Is it human services or technology (artificial intelligence)?	A landscape snapshot of European OER Policy	Foresight on the European OER Ecosystem 2030 and Credentialing learning in the European OER Ecosystem	Understanding Vectors for Innovation in Open Education
21 March 2023	29 March 2023	13 March 2023	07 March 2023
From OER to OAI: what's next now we all play with ChatGPT?	Organisational Integration of OER: Good Practice from HE & Business	Quality by means of Transparency: The ENCORE+ Quality Transparency Framework	Sharing Innovation Practices around OER: Theory, Practice, Examples and Debates

ENCORE+ Network Events on Vimeo

30/11/22 - OER Policy - EN…

ICDE

In this policy event, the ENCORE+ Network explores the current European landscape with…

10/11/22 - OER Technolog…

ICDE

The latest ENCORE+ Technology event asks: What makes OER repositories work? Is it…

26/10/22 - OER Innovation …

ICDE

This is the third ENCORE+ Network event for OER Innovation & Business Models. The…

26/09/22 - OER Quality - E…

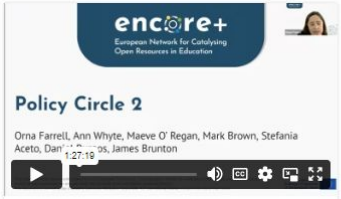
ICDE

This is the third ENCORE+ Network event for OER Quality. The ENCORE+ Network (The…

05/05/22 - OER Quality - E…

ICDE

This is the second ENCORE+ Network event for OER Quality. The ENCORE+ Network (The…



04/05/22 - OER Policy - EN…

ICDE

This is the second ENCORE+ Network event for OER Policy. The ENCORE+ Network (The…

03/05/22 - OER Technolog…

ICDE

This is the second ENCORE+ Network event for OER Technology. The ENCORE+ Network (Th…

02/05/22 - OER Innovation …

ICDE

This is the second ENCORE+ Network event for OER Innovation & Business Models. The…

29/10/21 - OER Technolog…

ICDE

This is the first ENCORE+ Network event for OER Technology. The ENCORE+ Network (Th…

25/10/21 - OER Quality - E…

ICDE

This is the first ENCORE+ Network event for OER Quality. The ENCORE+ Network (The…

https://vimeo.com/showcase/9015450

Reports & Research

Technology	Proof on Concept (PoC) of key features of OER Infrastructure Cutting Edge Technology Showcase for European OER Innovation Success features for OER Repositories
Policy	Strategic support for OER value proposition Business strategies involving OER OER policies for Higher Education Policy guidelines for institutions
Quality	State of the Art Report: Quality in the European OER Ecosystem ENCORE+ Quality framework Piloting the ENCORE+ Quality Framework Credentialing learning in the European OER Ecosystem
Innovation	OER Innovation Report 6x ENCORE+ OER Innovation Briefings ENCORE+ Innovation Showcase ENCORE+ Innovation Evaluation Toolkit

Cross-Cutting Issues
Integration Events & White Papers

OER as catalyst for business innovation and employment

OER as catalyst for innovation in higher education

OER as a catalyst for Business-University Cooperation

Networking for OER: Where it all started

"To unleash the power OER needs an integrated ECOSystem in which all actors from policy, educational institutions, businesses and learner collaborate on quality higher education, and training"

"A new university business collaboration effort on a national and European scale for open education, open ed tech, for quality and for open E&T policies is needed"

"Institutional uptake in business and in higher ed – Research points to the need to develop open education cultures which comprise suitable rules, regulations, pedagogies and competences but also commitment and values for sharing in institutions in order to embrace OER"

"Stakeholder for OER: OER uptake depends on efforts on all levels of an institution and includes action of all stakeholders: institutional policy makers, educational professionals, learners, policy makers on national and European level."

ENCORE+ Community Engagement Goals

1224

Circle Engagement

We estimate 1224 organisations and/or actors will be involved in the ENCORE+ circle events.

16

Circle Events

Four events per thematic circle will be held. 16 circle events in total.

3

Integration Events

ENCORE+ will develop and implement three integration events focusing on three cross cutting challenges.

Experiences from ENCORE+ Circles

- OER Experts and Enthusiasts are interested, and supportive
- Time is your friend
- Clear objectives for engagement
- Active Participation is important
- Aim for different levels of engagement - facilitate for community engagement in different forms
- High competition
- Altruistic motives are not enough

Issues of sustainability of community engagement (in OER)

1

Attention

High competition for attention and time.

2

Abstract

ENCORE+ Circle Communities are working on a wide variety of issues

3

Coordination

Coordinate and collaborate, yet not in a team, not on payroll.

4

Echo Chamber

OER Enthusiast are easier to catch than those outside of the already “convinced”

Technology

Technological solutions for OER repositories: the H5P hub proposal

D3.1 Proof of Concept (PoC) of key features of OER infrastructure

Version 4.0 – July 2022

Roadmap towards building the POC of key features of OER infrastructure

encore+
European Network for Catalysing Open Resources in Education

Coordinator of this work:
Matteo Uggeri, FPM (Italy)
Stefano Menon, FPM (Italy)
Ana Cecilia Rivera Alvarado, FPM (Italy)

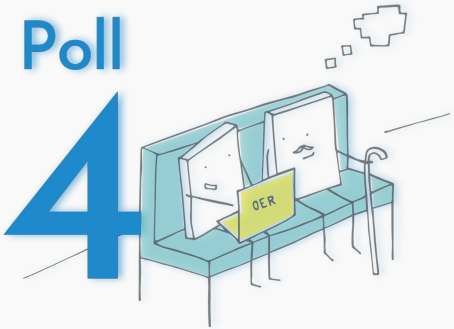
Network Event

Network Event

Network Event

Network Event

Poll

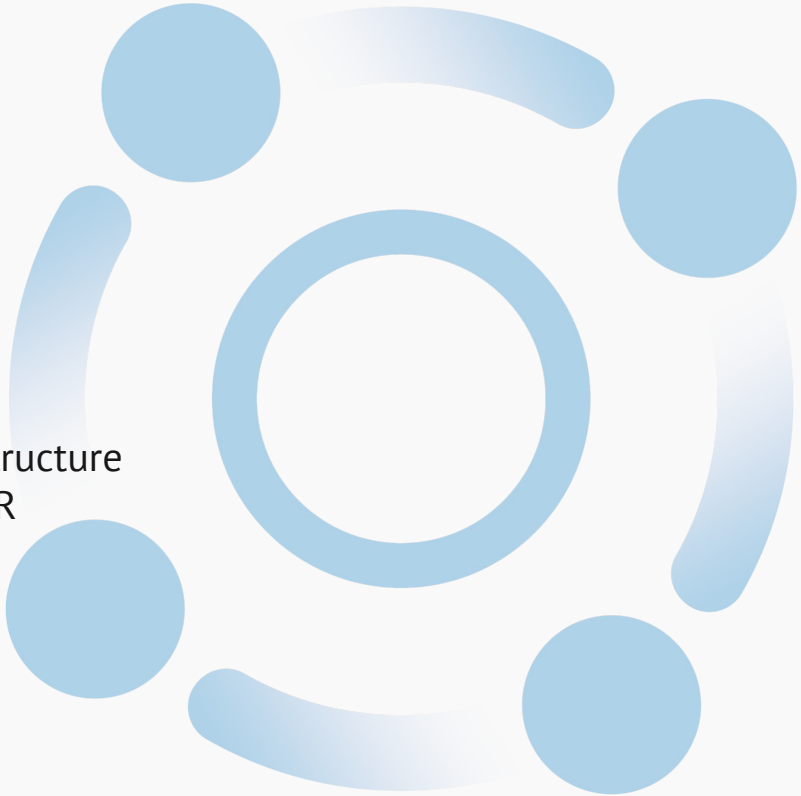


What makes OER repositories work?
Is it human services or technology (artificial intelligence)?

encore+

Technology

Proof on Concept (PoC) of key features of OER Infrastructure
Cutting Edge Technology Showcase for European OER
Innovation Success features for OER Repositories



Policy

We need you!

We are calling for participation of good practice examples of Open Educational Resources (OER) higher education policies and business strategies.

Network Event

Network Event

Network Event

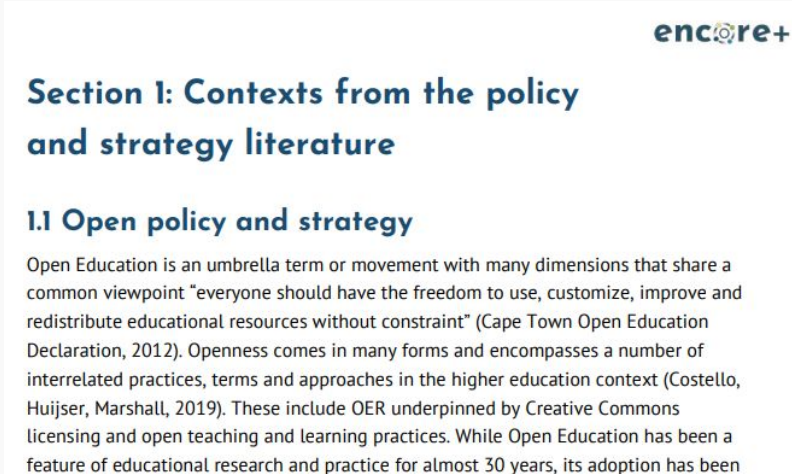
Network Event

encore+

No such thing as a free lunch?

Circles, Learning, OER, open education, policy

Free + open? If we truly want to create a European Open Education Resources (OER) ecosystem we must address the challenges of OER financial sustainability. Central to the open education movement are the principles of openness and freedom in order to democratise access to knowledge, "everyone should have the freedom to use, customize, improve and [...]



encore+

Section 1: Contexts from the policy and strategy literature

1.1 Open policy and strategy

Open Education is an umbrella term or movement with many dimensions that share a common viewpoint "everyone should have the freedom to use, customize, improve and redistribute educational resources without constraint" (Cape Town Open Education Declaration, 2012). Openness comes in many forms and encompasses a number of interrelated practices, terms and approaches in the higher education context (Costello, Huijser, Marshall, 2019). These include OER underpinned by Creative Commons licensing and open teaching and learning practices. While Open Education has been a feature of educational research and practice for almost 30 years, its adoption has been

Policy

Strategic support for OER value proposition
Business strategies involving OER
OER policies for Higher Education
Policy guidelines for institutions

Quality

Credentialing learning in the European OER Ecosystem

ENCORE+ deliverable 5.4

The quality framework will be a tool which can be used by repository owners, by professionals (content creators, designers, etc.) **and leaders in higher education and businesses** and will comprise a quality charter for users. The tool will be presented as an open and adaptable framework which serves to identify quality improvement potential. We will invite participants to mutually enter into community-based quality review processes

If your institution holds and provides OER, we hope that you will join us in developing this framework collaboratively!

Network Event

Network Event

Network Event

Network Event

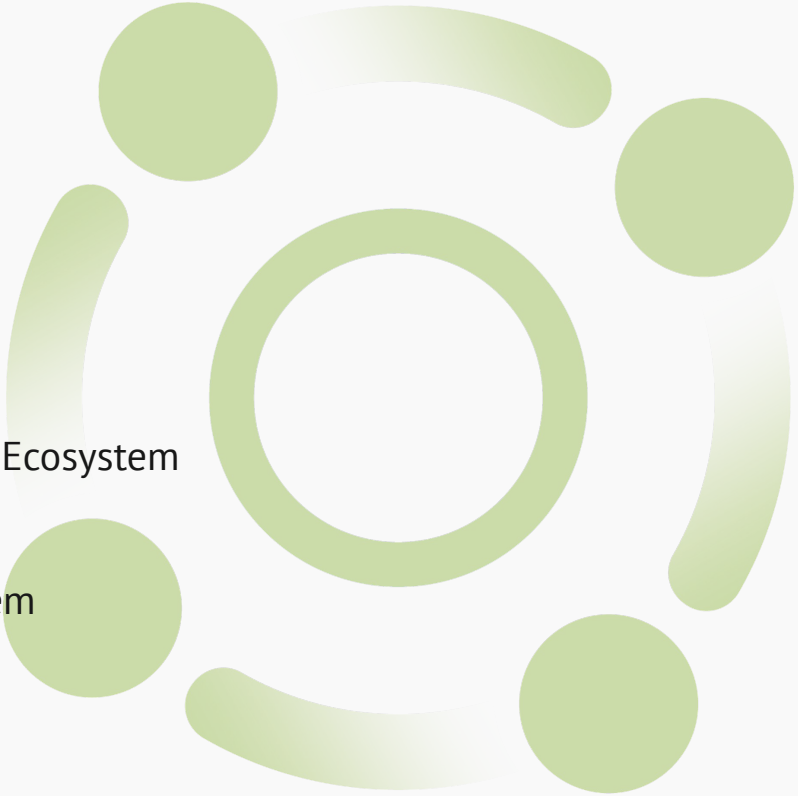
Invitation to a Peer Working Group on Quality for (European) OER repositories

Circles, Learning, OER, open education, quality, repositories

What? Invitation to a moderated peer working group of repositories. Who? Rep Owners of collections, quality managers, experts, open educators. How? Peer w with 4 meetings over 6 months. Objetive? OER repositories mutually explore p addressing their constituency, the community of educators and learners and ar successful concepts to create impact. When? The [...]

Quality

State of the Art Report: Quality in the European OER Ecosystem
ENCORE+ Quality framework
Piloting the ENCORE+ Quality Framework
Credentialing learning in the European OER Ecosystem



Innovation & Business Models

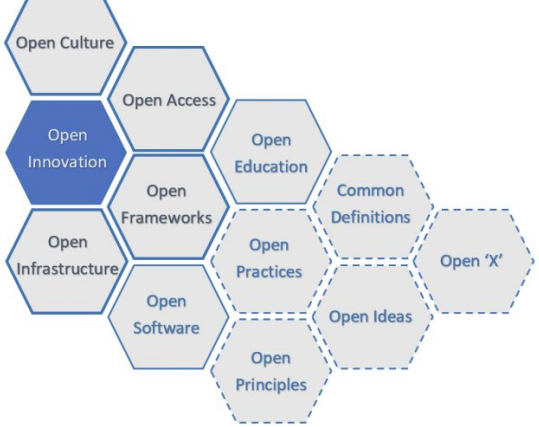
You can complete the survey in the embedded form below or via https://openuniversity.onlinesurveys.ac.uk/encore-oer-innovation.

Please complete the survey and share it with people who are doing interesting things wit OER! Many thanks!

The Open University

ENCORE+ OER Innovation

ENCORE+ OER Innovation is closed



Network Event

Network Event

Network Event

Network Event

Identifying Innovative Approaches using OER

business models, Circles, Innovation, OER

For the latest post in our series on OER business models, we focus on ways in which we can focus on concrete examples of innovation using open educational resources. Burd et al. (2015) highlight several business opportunities for open education described by Moodys: New revenue opportunities through fees for certificates, courses, degrees, licensing, or advertisement [...]

Some Thoughts...

- Open Education for a Sustainable World?
- Infrastructure needs?
- Technical & Digital Competence Development
- Culture of Sharing?
  - Open Access
  - Open Science
  - Open Education
  - Open Policy
- Collaboration
- Incentives for sharing?

The ENCORE+ Network

encore+
European Network for Catalysing Open Resources in Education

Join, and contribute to the network on LinkedIn

https://www.linkedin.com/groups/9085936/

Group: ENCORE+ the European Network in Open Educational Resources

Sign up for our newsletter

https://encoreproject.us1.list-manage.com/subscribe?u=d2389ce568a0a4c84c4a27554&id=b3ea5d6e45

encore+

European Network for Catalysing Open Resources in Education

The Integrated Perspective

4 Themes → 1 Network

A conversation with ENCORE+ Partners

This project has been funded with support from the European Commission. This publication reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.
This document is licensed under a **Creative Commons Attribution-ShareAlike 4.0 International license** except where otherwise noted.

Co-funded by the Erasmus+ Programme of the European Union

ENCORE+ FINAL CONFERENCE

30 Nov
A Network for Open - Why and for whom?

1. **Networking for OER**
   3 Years of ENCORE+
   10:00-12:00

2. **Open to Open?**
   Enabling Open & Multistakeholder Collaboration
   13:00-15:00

1 Dec
ENCORE+ Network themes

3. **OER Technology**
   Advancing Interoperability and Standards
   10:00-11:30

4. **Policy & Practice**
   in Higher Education and Business
   12:30-14:00

4 Dec
ENCORE+ Network themes

5. **Quality**
   and Transparency
   10:00-11:30

6. **OER Innovation & Business Models**
   12:30-14:00

5 Dec
OER in Europe - Today & Tomorrow

7. **Catalysing OER**
   Policies & Recommendations for Europe
   10:00-12:00

8. **Beyond ENCORE+**
   OER, AI & the Future
   13:00-15:00

*All event times listed in CET

encore+
European Network for Catalysing Open Resources in Education

Day 1

Thursday
30th November

A Network for Open - Why and for whom?

Session 2

Thursday 30th November
13:00 - 15:00 CET

Open to Open?
Enabling Open & Multitakeholder Collaboration

encore+

European Network for Catalysing Open Resources in Education

OER in Europe –

ENCORE+ insights

***Ulf-Daniel Ehlers**, DHBW*
***Lena Sperle**, DHBW*

NEXT EDUCATION

DHBW
Duale Hochschule
Baden-Württemberg

This project has been funded with support from the European Commission. This publication reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.
This document is licensed under a **Creative Commons Attribution-ShareAlike 4.0 International license** except where otherwise noted.

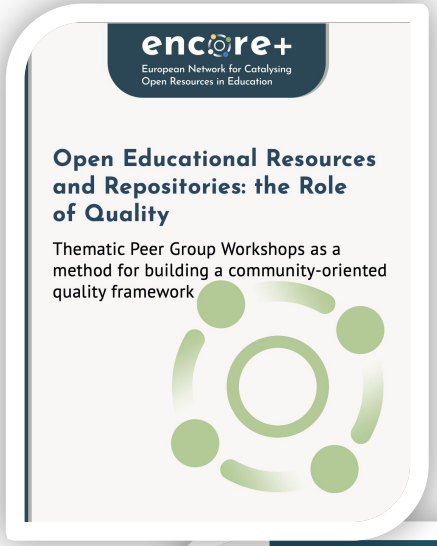
Co-funded by the
Erasmus+ Programme
of the European Union

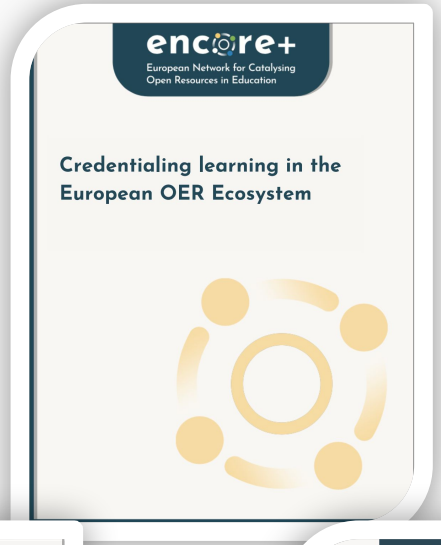
NEXT EDUCATION

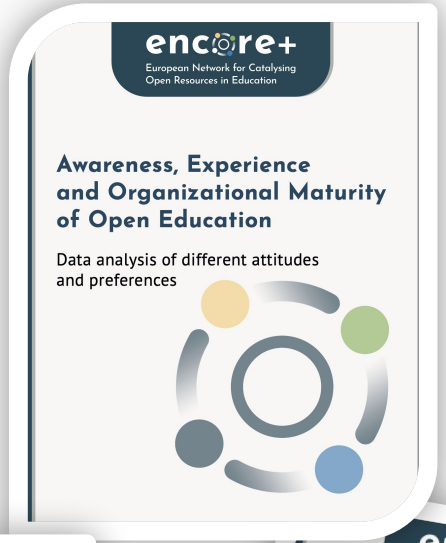
The Future Skills Research Group

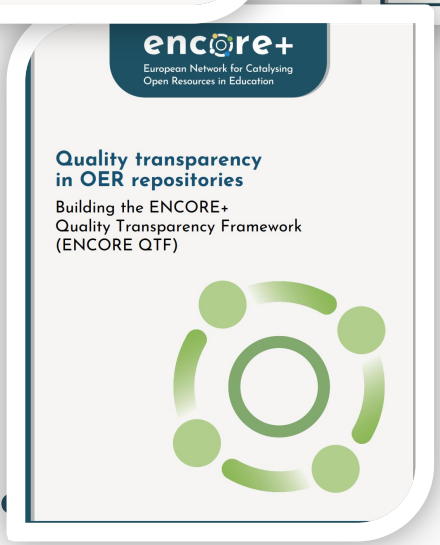
DHBW
Duale Hochschule
Baden-Württemberg
Karlsruhe

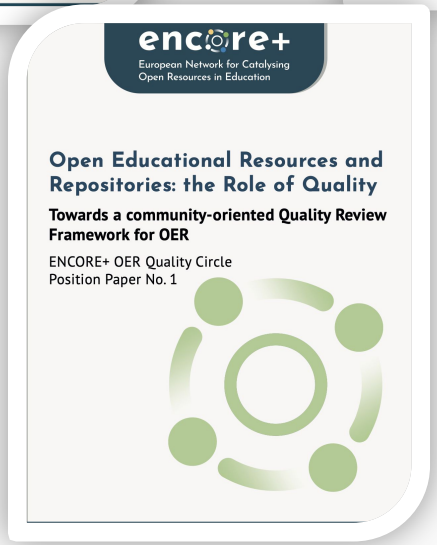
ENCORE+
DHBW
Duale Hochschule
Baden-Württemberg
icde
INTERNATIONAL
COUNCIL FOR OPEN AND
DISTANCE EDUCATION
NEXT EDUCATION
The Open
University
K4A
knowledge for all
unir
LA UNIVERSIDAD
EN INTERNET
Joubel
canvas
Fondazione
Politecnico
di Milano
DCU
Ollscoil Chathair
Bhaile Átha Cliath
Dublin City University


encore+
European Network for Catalysing Open Resources in Education
Open Educational Resources and Repositories: the Role of Quality
Thematic Peer Group Workshops as a method for building a community-oriented quality framework


encore+
European Network for Catalysing Open Resources in Education
Credentialing learning in the European OER Ecosystem


encore+
European Network for Catalysing Open Resources in Education
Awareness, Experience and Organizational Maturity of Open Education
Data analysis of different attitudes and preferences


encore+
European Network for Catalysing Open Resources in Education
Quality transparency in OER repositories
Building the ENCORE+ Quality Transparency Framework (ENCORE QTF)


encore+
European Network for Catalysing Open Resources in Education
Open Educational Resources and Repositories: the Role of Quality
Towards a community-oriented Quality Review Framework for OER
ENCORE+ OER Quality Circle Position Paper No. 1

encore+
European Network for Catalysing Open Resources in Education
Open Education and Training
Where does Europe go from here?
State of Play for an Emerging European OER Ecosystem

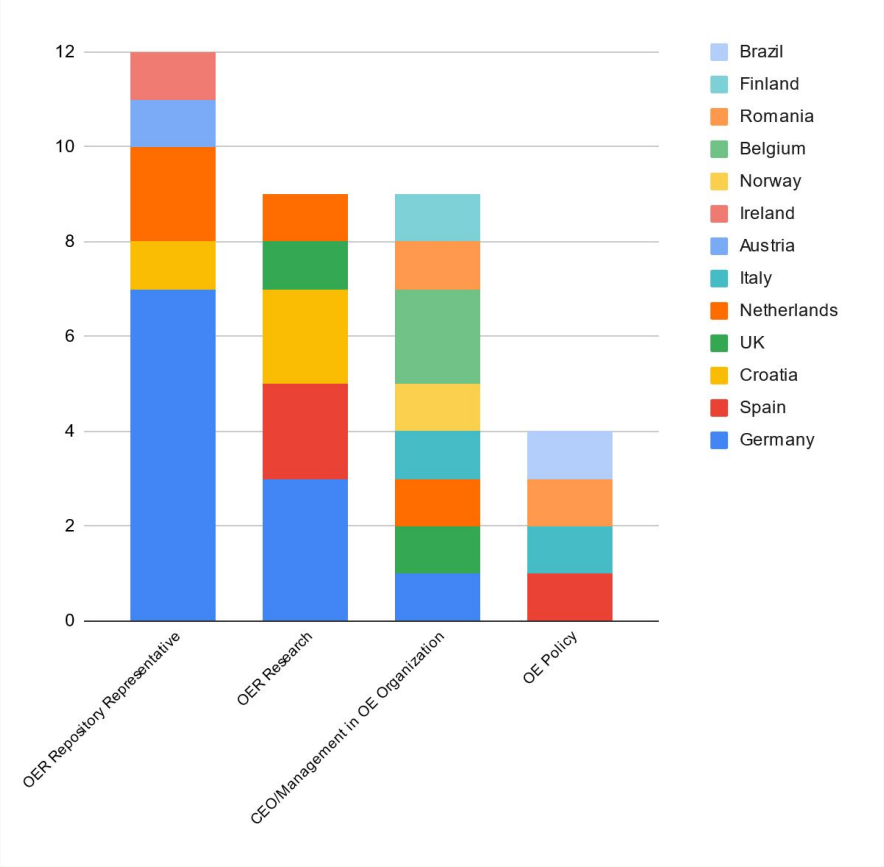
Foresight on the European OER Ecosystem 2030

Formulating a Positive Vision for the Future of OER in Europe

encore+

Fig. 1. ENCORE+ Hybrid Delphi study procedure

Participants in the DELPHI de



Thematic Peer Group

Qualification is through MOOCs on OER

Teacher qualification as a quality measure

OER Training as part of ensuring the QA standard

Teachers are qualified- OER certificate

Ensurance of quality of OER within repository

(preventive) quality ensurance

Requirements to use Plugins to share oer

Provinenz Kontrolle as subsitute for peer-review etc

identification of authors

checklist for creators

quality self-check for authors

quality assurance at a design level - not only the final product but starting with the learning design

quality assurance and evalation of content (quality checklists for creators, trainings and consultations on OER production)

editorial content development team

OER is being submitted and checked by central content managers

OER publication is done by editorial staff, which does the quality control

community / human

trained editors

users

assessment done by...

AI

team and team constellation?

who is involved in quality ensurance? (artificial intelligence, editorial content dev. team, ...)

Jema Santos-Hermosa on "Repositories of Open Educational Resources: An Assessment of Reuse and Educational Aspects" (Santos-Hermosa, Ferran-Ferrer & Abadal, 2017)

Should we focus on repositories or the infrastructures of which repositories are a part?

Sources: ROAR, Open DOAR, Open Ed Europe, EdNeNE
Selection criteria: HE level, updated content, specific OER collection, minimum number of OER
Population: 110 repositories (201-2016)
OA elements: Bottom-up approach instead of top-down (prestige elements, benchmarks, institutional) (Clements et al., 2016) - OA elements are a hybrid of these
40% of repositories included some form of OA
Less than ¼ allowed comments or ratings although 67.2% offered some kind of community engagement, the most common of which was tagging
Good practices: checklists, community and special interest groups, recognition systems, member reputational ratings
Less good practices: focus on submission process instead of content, seeing quality as responsibility of the creator
Findings:
3.6% of repositories had most indicators
8.2% had 7-8 indicators
25.2% had 5-6 indicators
50% had 1-4 indicators
2020-2021 see an extension of this work with the OER World Map

Here is a recent paper which seems relevant https://tinyurl.com/4b7yvxw5

DESCRIBE THE QUALITY CONCEPT YOU'RE LISTENING TO

While listening, try to create a "passport" for the presented quality approach. Which categories do we need to describe the quality concept?

Find benchmarks which can be used to compare the different concepts (like categories on a passport, e.g. "age, gender, country...", but for quality concepts).
Double click on the Mural Board to create sticky notes!

OER Austria - a quality approach to work with the community to enhance quality

how is the community / are the users being integrated?

Top-Quality. - social ranking mechanisms?

Scholarly peer-review for content

Users are peer-reviewers in some future Learn Courses.

Peer reviewers of learners - is that described anywhere, so that users know about it?

Peer-Support instead of Peer-Review

communication process (internal and with whole community)

which evaluation system does the repository have?

quality assessment (instruments)

Method to assess quality/ Evaluation system

Which methods is used to assess quality?

OER - OEP: Metadata quality

agreed upon standard set of metadata

search engine/ how is the content organized

quality assurance more in terms of quality documentation

Quality indicator (missing?) the number of downloads, use / reuse?

internal criteria, author prestige, external criteria

AI is checking content for Quality (like accessibility, advertising...)

Is there a list of quality criteria used?

quality criteria + who decides them

four mandatory criteria

criteria

4 mandatory, quality criteria + more optional ones

peerlogogical, content and technical dimension

quality model

Defined set of quality criteria including content, accessibility, usability, didactics
4 mandatory criteria: consistency, licensing, technical reusability, content is up-to-date
Other criteria are optional
Iterative approach to development including consultation with stakeholders
Next stage is to involve learners

Key question: how can quality assurance be applied to OER which are constantly changing and being reversion

formative/ summative?

Continuous process of QA checks and communication /discussion

OER quality standard automated - an API as a result

quality process/ informed status/ transparent process

standards are used - are these tops down or bottom up? Accreditation?

maintainance? versioning?

Quality ensurance by hybrid approach (top-down + bottom-up)

"rythm" of quality assessment?

Seems to be an example of top-down quality measures - or is there any community feedback mechanism?

multi-staged

quality assessment process

QUALITY PROCESS: community-based, multi-staged, with trained editors, supported by AI, editorial content development team,

DCU maps their own quality to the ENQA e-learning qa standards --> transparency

TRANSPARENCY

Breakout Session 1

2 Mark Brown
Quality Process at FutureLearn

Future Learning has quality standards & ideas --> are they explicitly described?

ENQA QA consideration for HE are valid approach

Is OER quality enhanced by the number of learners?

Future learn has explicit qa approach - is it described transparently?

structure of MOOCs & ABC learning design

Outcome-Gap

4 Heike Gleibs
Approach for quality ensurance at WLO (WirLernenOnline)

Approximately 10-15 minutes to complete the upload process?

How is non significant page ensured in the quality process

How to build up an supportive community (Mitmachgruppe)

How are "lab sharing cars" ensured? Curious as to other best quality options

WirLernenOnline is a search engine and repository for learning content (school level).
Collecting, curating, indexing and aligning content with curricula
2500.000+ items of free content - 27.000 of which are openly licensed OER
9% provided by partners
Federally funded
Can be browsed through search or organised categories
Currently there is no option to rate content which would interact with WLO through API
Site includes a transparent description of quality processes
Ongoing evaluation and appraisal
Multi-stage process
Editors supported by a platform which automates processes
AI review then human review (attention on legal protections and Dependent metadata
Identification of similar resources as quality measures
Emphasis on textuality, neutrality
Current goal is implementation of quality criteria in the metadata and testing of human vs automatic curation

3 Martin Ebner
Ensurance of content quality in the TU Graz OER Repository

can we look at how the austiwien uni is showing their qualification?

5 Ljiljana Musap
Quality concept of DABAR (Digital Academic Archives and Repositories)

administration and hosting of repository

community

How are OER being defined not the same thing as open access?

Interoperable repositories are provided for all centres within DABAR
Institutions retain control over their repositories
Dedicated working groups for subject and interest areas
National e-infrastructure for digital repositories
Since 2015
156 digital repositories
184,000 digital objects
Organised into 16 (nationally agreed) categories
Repositories have owners, editors
Regular workshops help people to understand how to use the repositories, and there are monthly consultation exercises
The proportion of open access within DABAR has fallen slightly since implementation but the volume of content overall has grown more than tenfold since 2019

Breakout Session 2

6 Markus Deimann
On the tension field between quality ensurance and the motivation for sharing OER; consideration of quality assurance approaches of universities in OER repositories

University Network for OER
tension from stakeholders to find a comprehensive approach
Sept 2021
37 public universities
searching OER: not only from ORCA but also from other regions
OERSI (search index developed as Open Source project)
uploading OER: teachers or lecturers from state-funded universities (--> with a qualification)
resources are uploaded but not published immediately: content management, then check (accessibility, technical quality, licence), then community might be involved (depending on the content/ format/structure of the OER) (process under development)
37 Universities --> how to have shared criteria for quality assurance?

How can we combine different QA stakeholder requirements into one ORCA QA mechanism?

Having professional qualifications to be able to contribute content is an understandable quality measure, but is it "open"?

ORCA attempting to balance demands of different stakeholders
Aims to provide 37 public universities with resources for OER teaching & learning
Indexing material in OERSI https://oersi.org/resources/ which connects German repositories using a standardised set of metadata
A professional qualification is required to contribute resources
Uploaded content is reviewed by humans for accessibility and licensing (not content) In future some forms of community review are considered

8 Peter Rempis
On the quality process of ZOERR (Zentrales Open Educational Resources Repositorium)

team and partners of the repository

educational context

content: what types of objects are stored?

Austria - OER Hub - combining ALL Austrian OER databases

Educational Contexts: For which ed sector is the quality approach suitable?

School education

category: "target group"

how many/ certain fields

categories for content

key data/ short

9k people in staff since May 2020

600.000 users, 2500 per day

5 universities + 1 medical university in Hamburg
OER are created thanks to funding --> they KNOW about how to create OER because they followed

7 Ann-Kathrin Watolla
On quality ensurance at the HOOU

Is quality especially

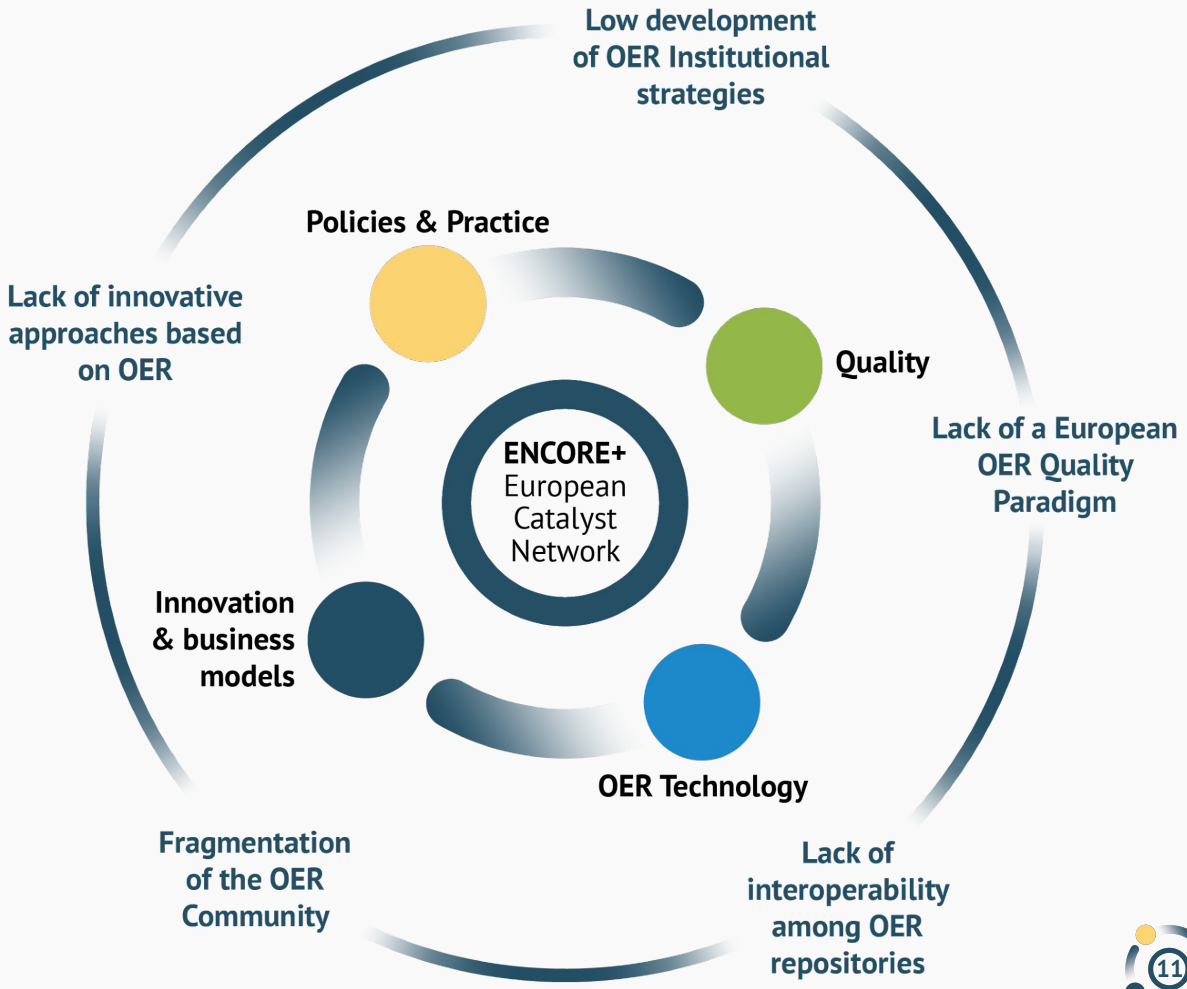
9 Klaus Wannemacher
On the Hamburg/Oldenburg model and the quality ensurance instrument implemented at twillo

OER quality

Foresight on the European OER Ecosystem 2030

Formulating a Positive Vision for the Future of OER in Europe

Why do we need a positive Vision?



OER in Europe in 2030

As Standard Component in Education and Training

In 2030, Open Educational Resources will be seen as a standard part of curricula and learning materials in higher education institutions in Europe. By educating trainers and professional educators about OERs and recognizing their impact on possible cost reduction while benefiting from the strong impact on innovation, they're being increasingly incorporated in vocational and corporate training in the business sector.

Credentialing OER

OER-based Learning Pathways and Microcredentials

In 2030, large-scale OER repositories in cooperation with education providers in higher education and business in Europe will be able to support the effort of lifelong learning by providing learning pathways and microcredentials based on OER they offer. Microcredentials resulting from the learning pathways will be accepted in institutional curricula by cooperating HE institutions.

Recognition in Educational Credit Systems

Academic Programs on the Basis of OER

In 2030, a well-connected European ecosystem of HE institutions and OER repositories will be able to provide academic programs within the European education credit systems on the basis of open curricula. HE institutions will provide ways in which they recognize prior learning achieved through OER and other means of open education.

OER as Part of Competence Frameworks

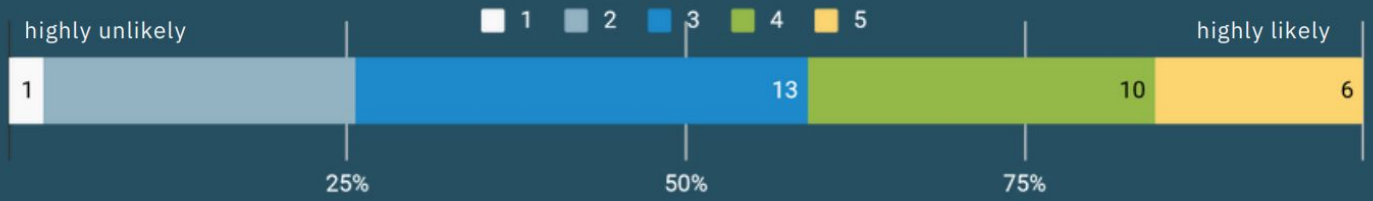
For Teaching and Learning in Europe 2030

The shift to an open education culture will be based on a competence revolution. This will be the precondition for competence frameworks for teachers and learners which include the creation, usage, finding and sharing of OER. Various skill frameworks for teaching and learning with OER as well as competence levels and their assessment will be available and become a normal part of institutional policies within higher education and education and training in businesses.

OER in Reward and Career Schemes

Rewarding Teachers for Contributing to OER

In 2030, OER will be considered in institutional and academic reward and career schemes for teachers similarly to other academic areas such as research.



Technological Infrastructure

Interoperable OER Technologies

In 2030, OER platforms and repositories will actively work towards establishing interoperable technological infrastructures in a well-connected European OER ecosystem. Metadata will be attached to OER by AI so that a standard form of versioning of Open Educational Resources will be made possible.

Quality of OER

Harmonizing Diverse Quality Metrics and Creating Transparency

In 2030, a shift from orientation on quality metrics to developing transparency schemes will have taken place, which enable users to map their needs to OER quality. while much work is done today in defining quality criteria, in 2030, the focus will be stronger on describing them in understandable, easy to use and transparent ways.

OER in the Start-up Scene

Start-ups Providing OER-related Services in Europe in 2030

In 2030, OER provision to HE institutions and businesses will be embedded in a vibrant landscape of services provided by start-ups, SMEs and other organizations.

OER and Commercial Learning resources

Combining Open Education Infrastructures With Commercial Learning Platforms

In 2030, business models allowing the combination of Open Educational Resources with commercial educational material will have been developed. Thus, commercial learning resource platforms will cooperate with OER repositories to provide a blend of OER and commercial educational resources.

OER Policies

In Higher Education Institutions and the Corporate Sector

In 2030, HEI and businesses who adopted policies which include regulations on OER repositories will profit from the resource-saving benefits of OER. Maturing policy environment will lead to better regulated access and usage of OER within institutions. For this, support by governments and policy is needed.

OER Repositories as Community Hubs

Towards a Community-oriented OER Ecosystem

In 2030, OER repositories will have extended their mission from the role of OER provisioners to serving as community hubs. Strong, human networks of educators and trainers as well as learners will collaborate with each other on quality development, development of 'open educator skills' and exchange training and learning experiences.

encore+

European Network for Catalysing Open Resources in Education

Thank you for your time and active participation!

Project partners:

INTERNATIONAL COUNCIL FOR OPEN AND DISTANCE EDUCATION

DHBW Duale Hochschule Baden-Württemberg

The Open University

UNIR LA UNIVERSIDAD EN INTERNET

K4A knowledge for all

Joubel

Fondazione Politecnico di Milano

canvas

DCU Ollscoil Chathair Bhaile Átha Cliath Dublin City University

encore+

European Network for Catalysing Open Resources in Education

Website

For further and updated information about this project please see:

www.encoreproject.eu

Contacts

Ulf-Daniel Ehlers, DHBW,
ulf-daniel.ehlers@dhbw-karlsruhe.de
Lena Sperle, DHBW,
lena.sperle@dhbw-karlsruhe.de
info@encoreproject.eu

Project partners:

INTERNATIONAL COUNCIL FOR OPEN AND DISTANCE EDUCATION
DHBW Duale Hochschule Baden-Württemberg
The Open University
unir LA UNIVERSIDAD EN INTERNET
K4A knowledge for all
Joubel
Fondazione Politecnico di Milano
canvas
DCU Ollscoil Chathair Bhaile Átha Cliath Dublin City University