







Open Educational Resources and Digital Higher Education

Offene Bildungsmaterialien (OER) und digitale Hochschulbildung

1. Open Science Forum at Goethe-University Frankfurt 30.06.2022

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DiGeo

Generalisierbarkeit und Transferierbarkeit digitaler Fachkonzepte am Beispiel mündiger digitaler Geomediennutzung in der Lehrkräftebildung

> Verbundprojekt zur Entwicklung und anwendungsbezogenen Beforschung eines digitalen Fachkonzeptes zum Kompetenzaufbau zur mündigen Nutzung digitaler Geomedien in der geographischen Lehrkräftebildung an den Hochschulen Duisburg-Essen, Frankfurt am Main und Köln (2019-2022)



Projektübersicht
Alle Informationen zum Verbundvorhaben



OER und Digitale Lernformate
Zu den digitalen Lernformaten der DiGeo-OER





https://digeo-oer.net

GEFÖRDERT VOM









Offen im Denken

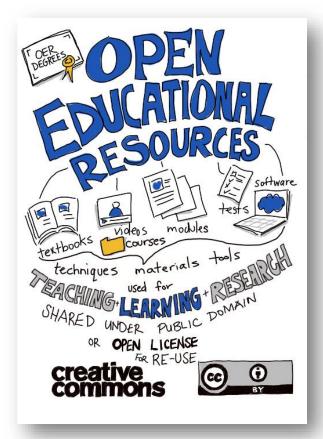
Outline

- i. What is OER?
- ii. OER and the Digital Condition
- iii. OER and Open Informational Ecosystems



Source: UNESCO Recommendation on Open Science Source (2021). (CC-BY-SA 3.0 IGO) via https://en.unesco.org/science-sustainable-future/open-science/recommendation

i. What is OER?



Open Educational Resources (OER): "any type of educational materials that are in the public domain or introduced with an open license. The nature of these open materials means that anyone can legally and freely copy, use, adapt and re-share them. OERs range from textbooks to curricula (...) tests, audio, video and animation." (UNESCO, 2019)

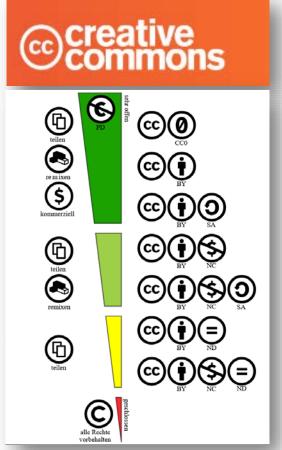


Open Educational Practices (OEP): "constitute the range of practices around the creation, use and management of open educational resources with the intent to improve quality and innovate education" (OPAL, 2011, p. 4)

i. What is OER? The '5R' activities of OER permission

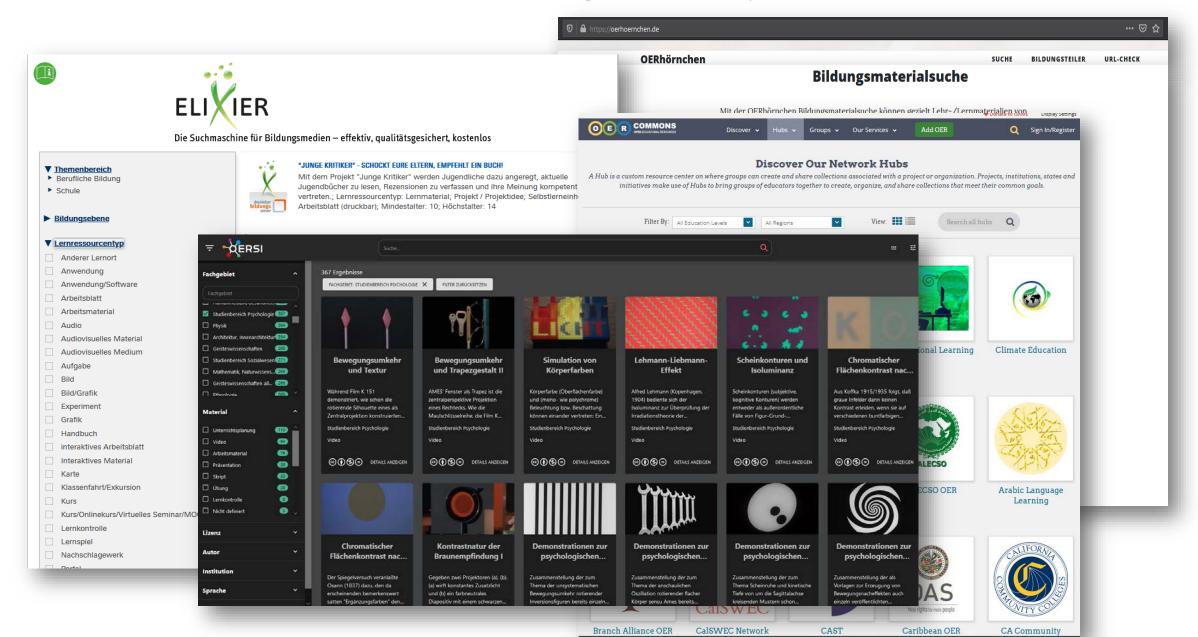
Defining the "Open" in Open Content and Open Educational Resources was written by David Wiley and published freely under a Creative Commons Attribution 4.0 license at http://opencontent.org/definition/.





Graphic_ Creative Commons (CC) Licence Spectrum (https://upload.wikimedia.org/wiki pedia/commons/3/3d/Creative_Commons_Li zenzspektrum DE.svg)

i. What is OER? Search, find, (re)use: Long live diversity!

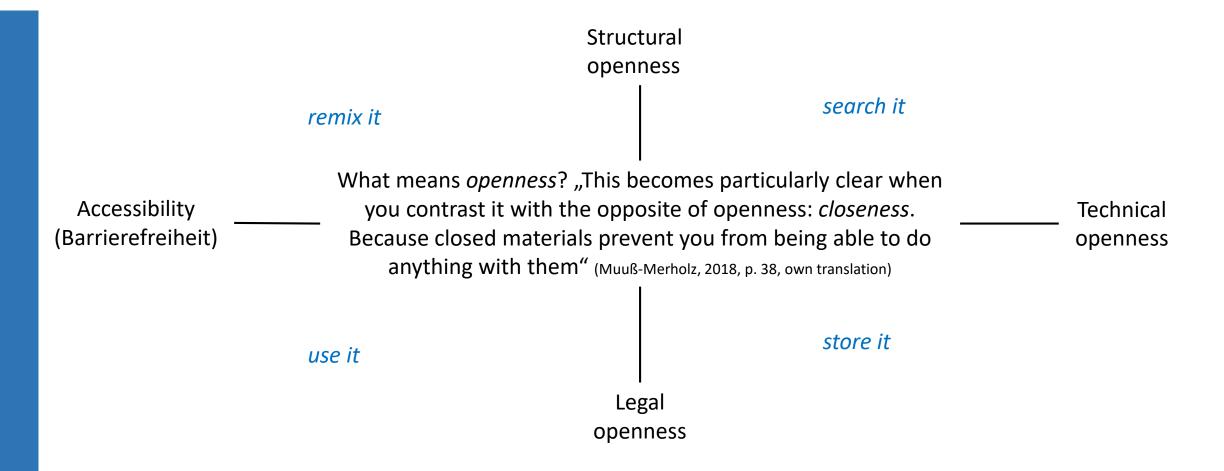


i. What is OER? 'Game Changer' for education?

See, for example: Wiley & Green 2012; Butcher & Hoosen 2014; Zawacki-Richter & Mayrberger 2017, Otto 2019a, 2019b



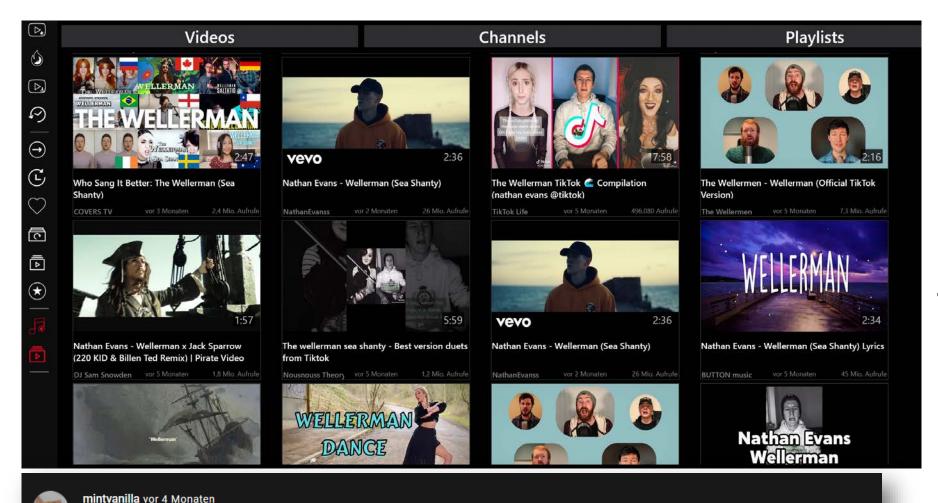
i. What is OER? 'Game Changer' for education? Yes!



ii. OER and Digitality

We are increasingly no longer in a world where digital technology and media is separate, virtual, 'other' to a 'natural' human and social life. (...) The contemporary use of the term 'postdigital' does describe human relationships to technologies that we experience, individually and collectively, in the moment here and now" (Jandric et al., 2016, p. 893 and 896).

ii. OER and Digitality: Multimedia-based articulation of individual perspectives of culture



This is why the internet exists, for these moments were strangers come together amid their differences and make something really

creativity, expression, aesthetics, interconnected lifeworld's, plurality and selfdetermination, participation, negotiations of social meaning

The Digital Condition

(*Kultur der Digitalität)

Referentiality Communality Algorithmicity

Commons

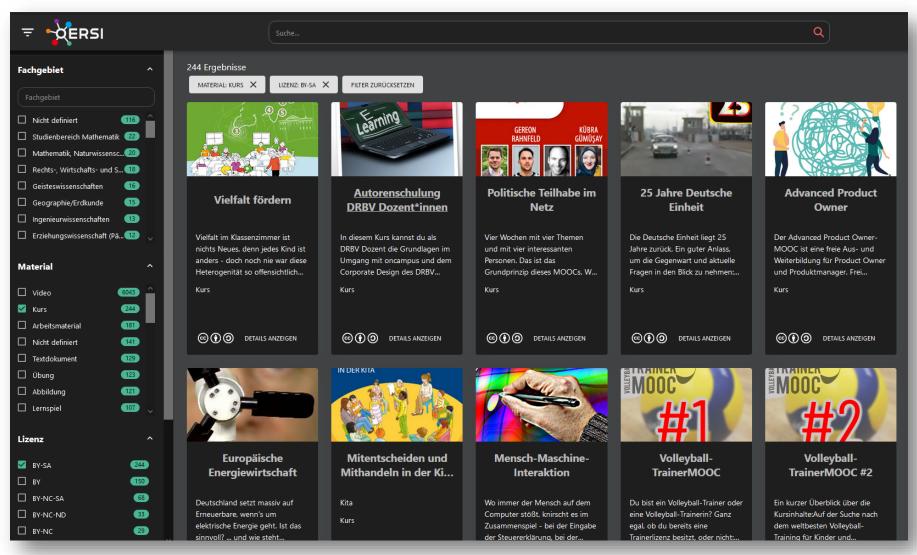
*F. Stalder (2018²), Kultur der Digitalität, Suhrkamp: Berlin

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ANTWORTEN

beautiful

ii. OER and Digitality: Multimedia-based articulation of individual perspectives of culture



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ii. OER and Digitality: Some arguments on OER as texturing structures of knowledge

#1 OERs are the mode and format of prosuming knowledge for teaching and learning as part of society's open and participatory digital knowledge structures.

#2 OER can make visible the social and technical filtering and constructions of knowledge and media as part of teaching and learning. It can support a change of perspective in dealing with pre-fabricated learning resources of closed informational ecosystems.

#3 OER brings *authentic* collaboration as an activity as well as ability of *being connective* into the focus of formal education. We should start talking about connective learning and meta-connective thinking.

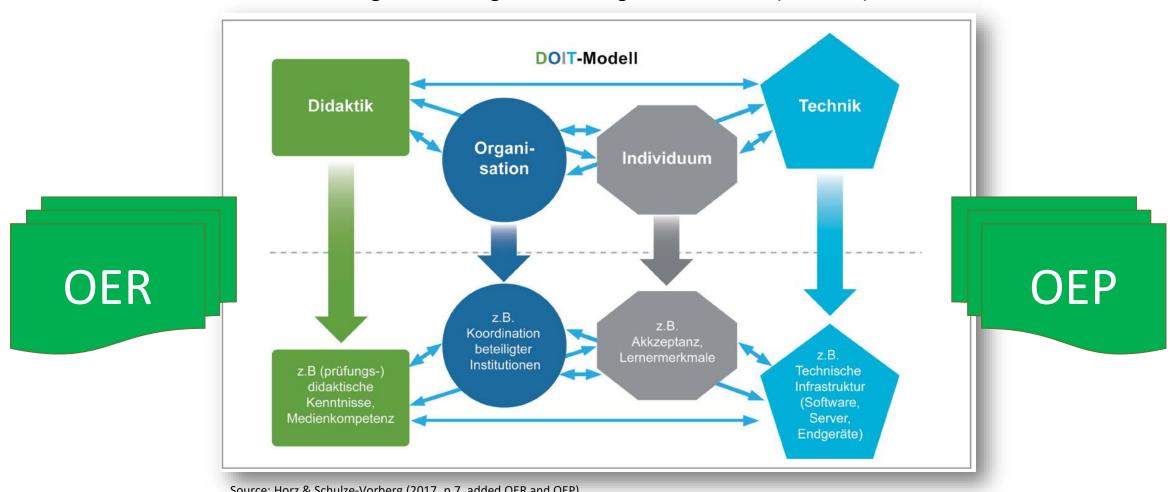
#4 For the consolidation of OER in academic teaching, we need an environment of cooperative, open-minded, and network-synergetic development of distributed learning materials. At universities, we need efficient digital infrastructures, services, key agents, and sufficient resources to be creative and productive. ... and, we need didactical and media competences, of course.

"Technology is an enabler, not a solution."

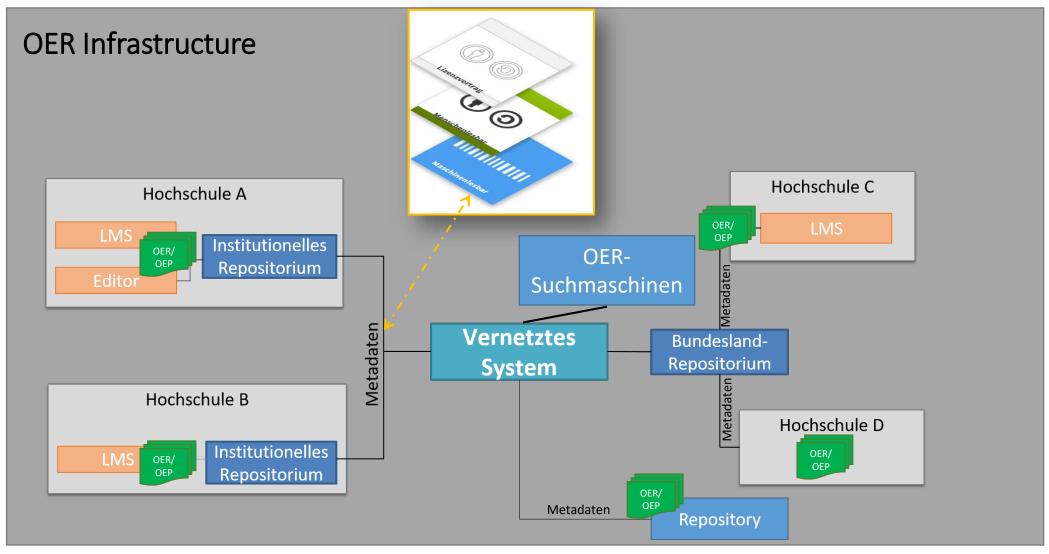
(Wilbanks 2004)

iii. OER and Open Informational Ecosystems

Factors for a successful implementation (innovation) of digital teaching and learning environments (EduTech)



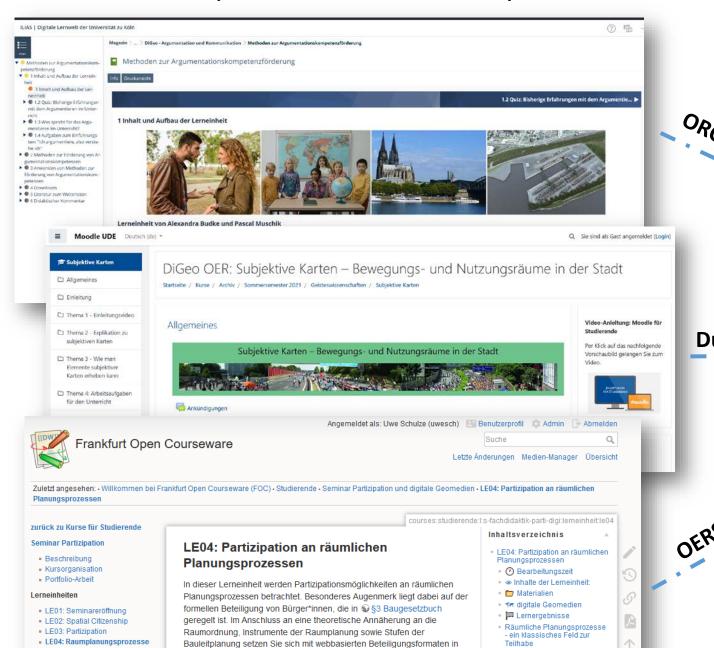
iii. OER and Open Informational Ecosystems (Kerres & Heinen, 2015)



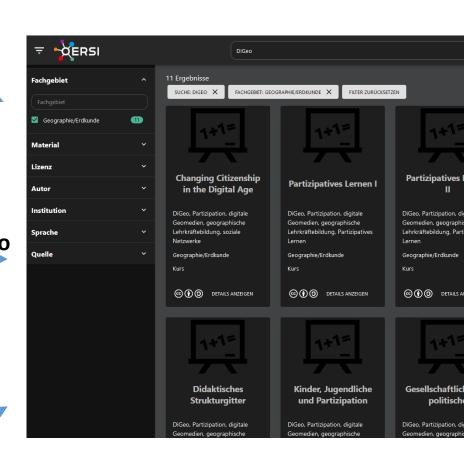
Quelle: Daniel Otto (2020), EduArc-Projekt, Learning Lab Uni Duisburg-Essen (CC BY), graphisch und inhaltlich ergänzt um Schichtenmodell, OER, und OER-Suchmaschinen

iii. OER and Open Informational Ecosystems





LE05: Kinder & Jugendliche



Invitation: Join our OER workshop tomorrow 09:15-10:45 am















Offen, frei und kollaborativ?! Open Educational Resources (OER) in der Hochschullehre einsetzen

Workshop

1. Open Science Forum der Goethe-Universität 01.07.2022

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Thanks for your attention!

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