



Open Educational Resources - OER in a nutshell

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Petra Mayrhofer (project **moreBNE**: making open resources in teacher education. Focus on ESD)

Gefördert durch:



Bundesministerium
für Forschung, Technologie
und Raumfahrt



- What are OER? And what not?
- Why we need to consider OER
- How to create OER
- Playtime: OER game 😊

Who among you...



... is familiar with the concept of OER?



... has already worked with OER?



OER (Open Educational Resources) are **free educational materials...**

...that may be explicitly **used, modified** and **shared** or **published**.

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Essentially, Open Educational Resources can be integrated into any teaching approach that uses learning materials.

However, OER only reach their full potential when they are embedded in pedagogical approaches based on openness that encourage learners to create OER themselves.

This text snippet is originally in German, and licenced under [CC BY 4.0](#). Sigrid Fahrner, DIPF [OERinfo – Informationsstelle OER](#).
(full text available here: <https://open-educational-resources.de/dossierseite/?praxis=&bereich=&querschnittsthema=didaktik>)



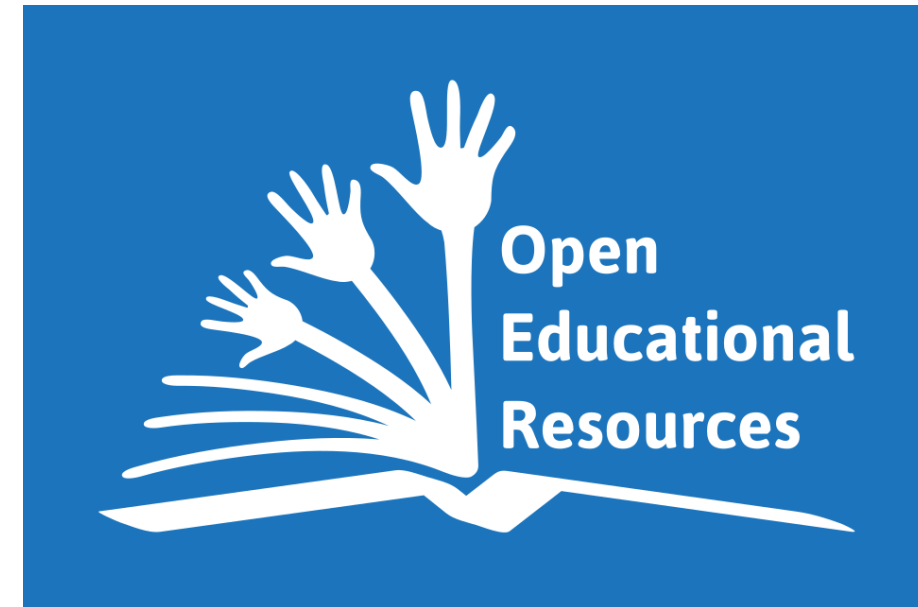
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The roots lie in the **open-source movement** (late 1990s), which aims to foster a collaborative, open development process in the digital age.

The concept and term

‘OER’ (Open Educational Resources)

dates back to a **UNESCO** Forum in 2002 (see UNESCO 2002).

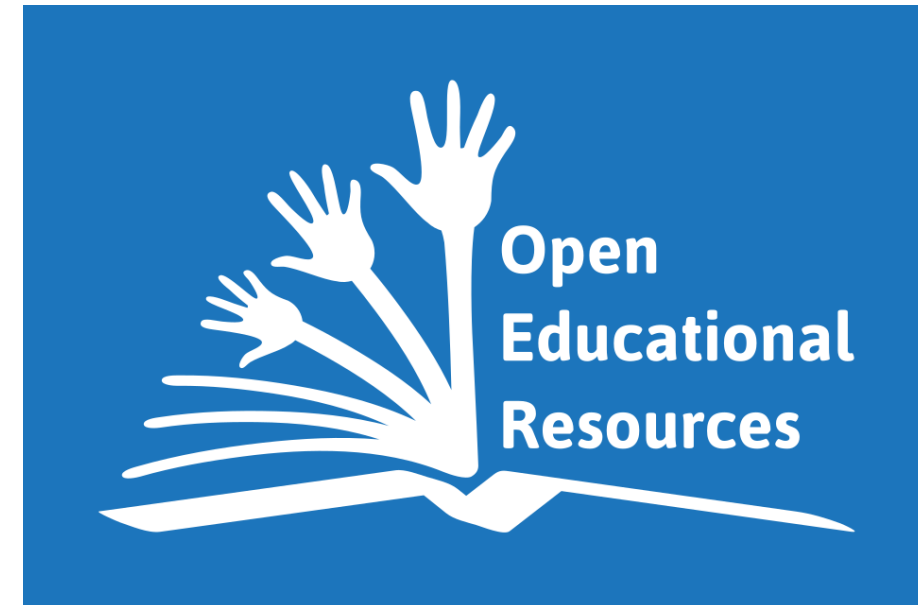


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2012: Paris OER Declaration

UNESCO adopted the 'Paris OER Declaration'. Member States were called upon to:

- make publicly funded educational materials openly accessible
- promote open licenses
- strengthen international cooperation

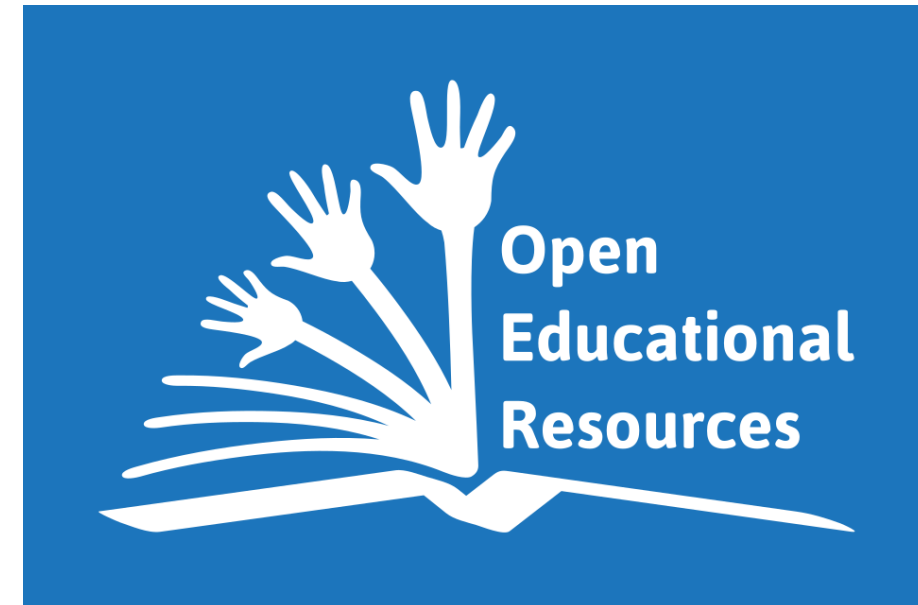


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2015: Sustainable Development Goals (SDGs)

Within the framework of the UN Sustainable Development Goals (SDG 4: 'Quality Education'), OER were recognised as a tool for

- **educational equity**
- **lifelong learning**
- **global knowledge cooperation**

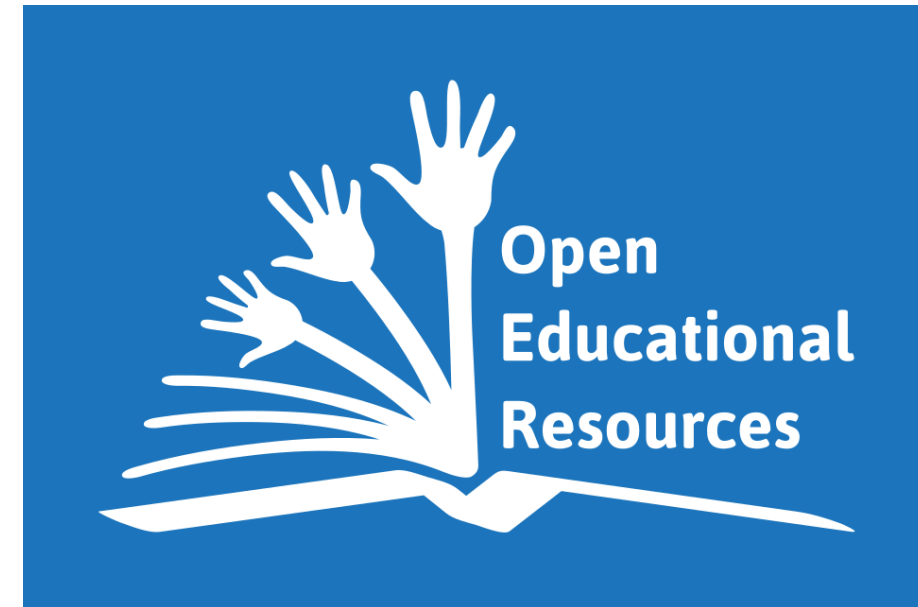


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2019 – UNESCO OER Recommendation

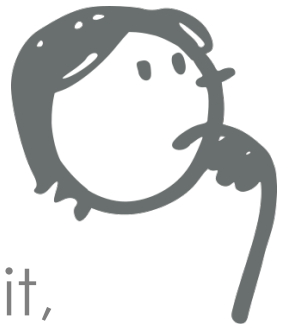
UNESCO adopted an **official OER recommendation** setting out various concrete areas for action, which was supported by 193 Member States.

This marked the first time that OER had been given a **binding framework within global education policy**.



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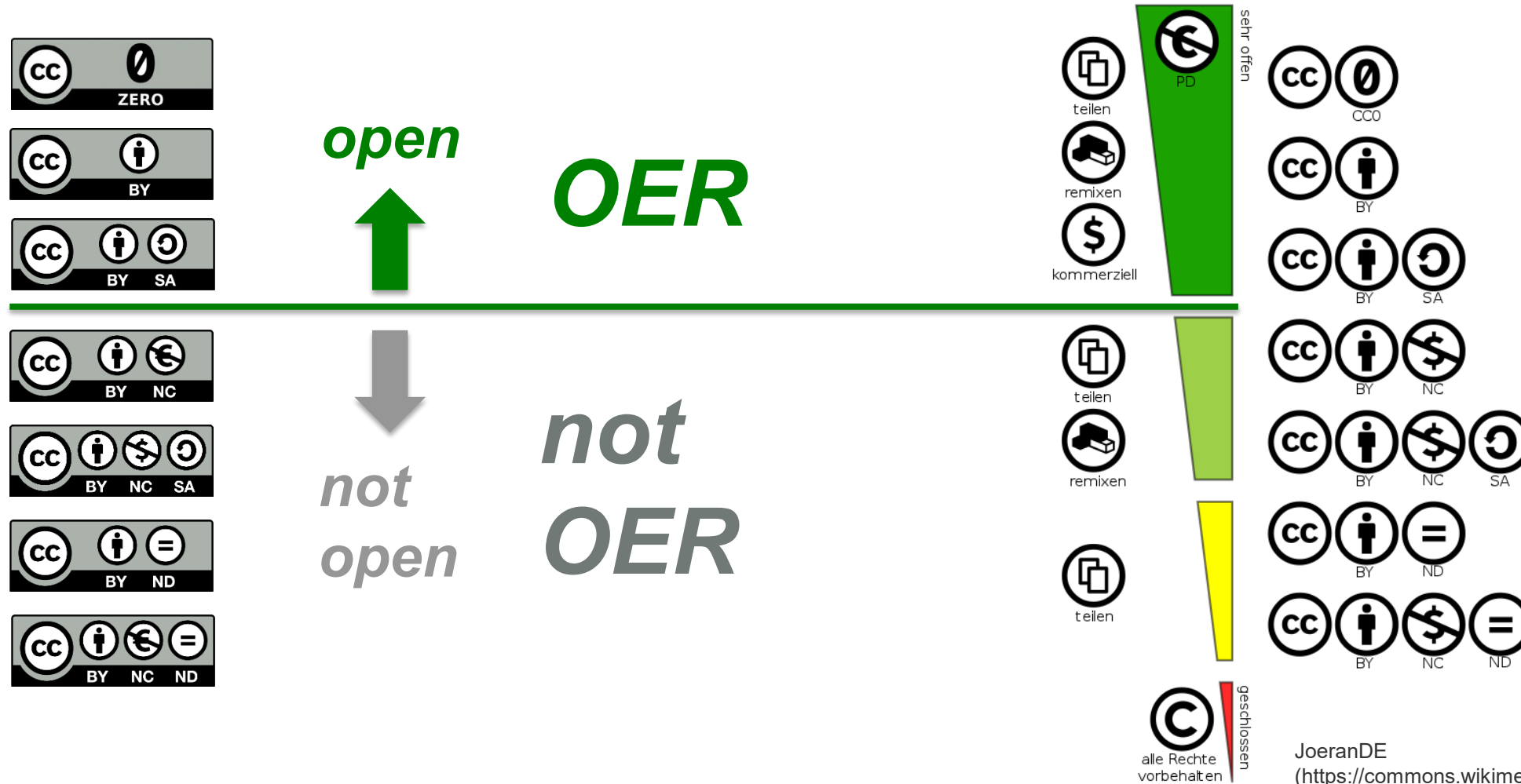
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a suitable licence is required to guarantee the OER freedoms



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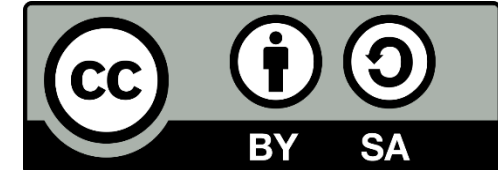
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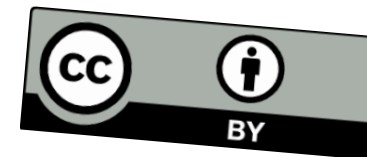
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Example



6 10

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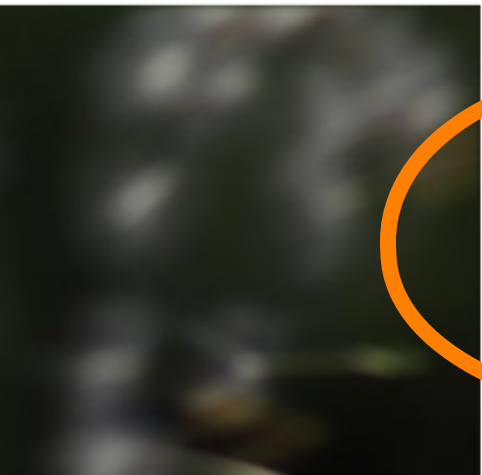
kostenloses Original		
Beliebte	Android	iOS
Original Size	2560x1440	1920x1200
1920x1080	1680x1050	1600x900
1440x900	1366x768	1280x1024
1280x900	1024x768	800x600
720x1280	320x480	480x800
360x640		

EXIF-Informationen	
Canon EOS 550D unbekanntes Objektiv 180.0mm· f/6.3s 1/320s ISO 100	
Auflösung	5184x3456
Hochgeladen	03/19/2017
Ansichten	508
Herunterladen	231



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Pollen Grün flaumig Insekt Biologie Botanik Schwimmend schweben
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Description	English: Polish power station Belchatow
Date	29 October 2005
Source	Own work
Author	Petr Štefek

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Herauführung

- Lernumgebung kennenlernen
- Techniken, Werkstoffe, Geräte kennenlernen
- Thematischer Einstieg
- Design-Challenges



Ideenentwicklung

- Bedarfe ermitteln



Produktentwicklung

- Eigene Idee umsetzen
- Priorisierte Methoden
- Situiertes Lernen

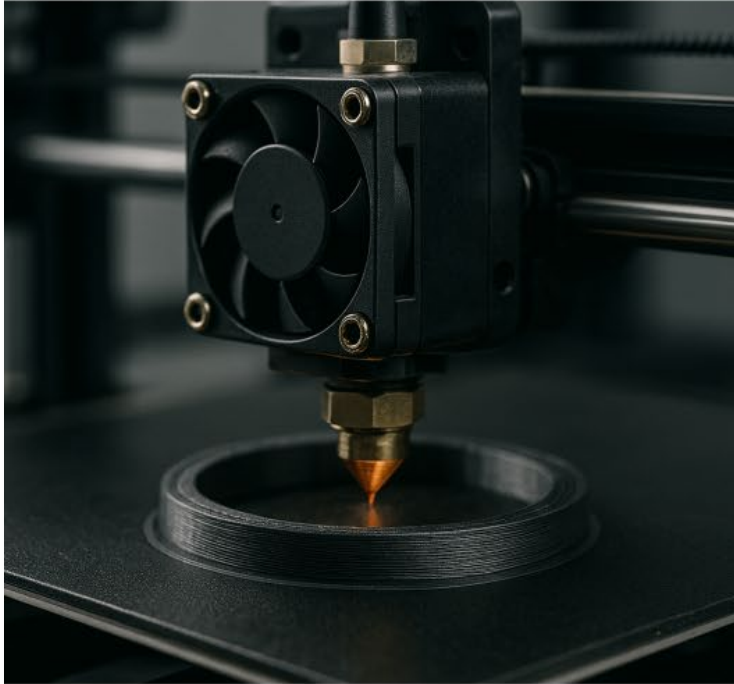


Abschluss

- Präsentation
- Reflexion
- Mediale Dokumentation

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Björn Maurer & Selina Ingold





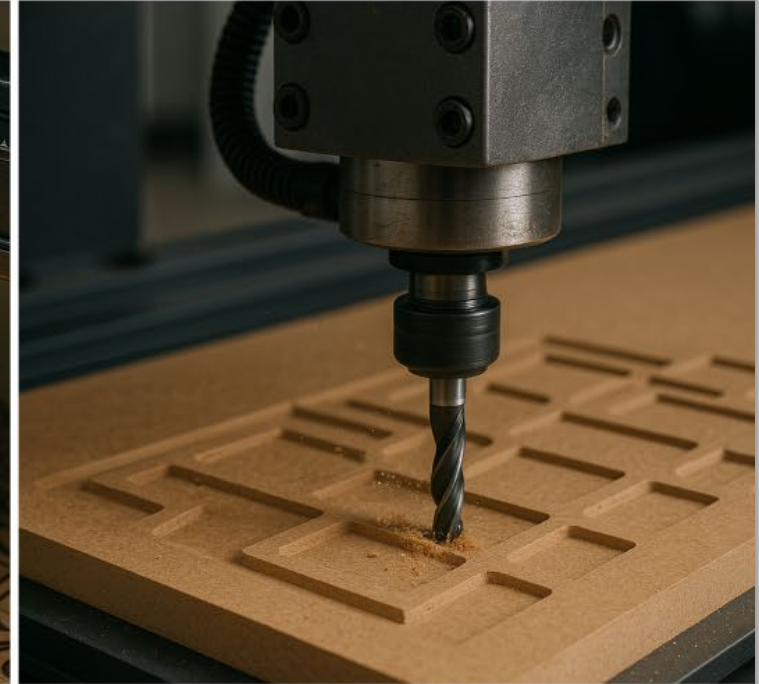
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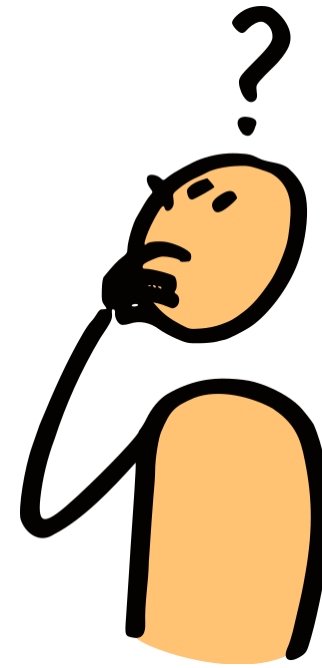


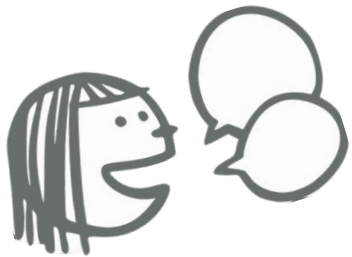
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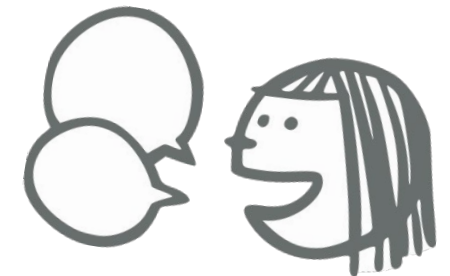
Questions?





Why do we need to consider OER?

...What are the benefits?
...What has it to do with ESD?



Thank you 😊

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