Zurich University of Applied Sciences

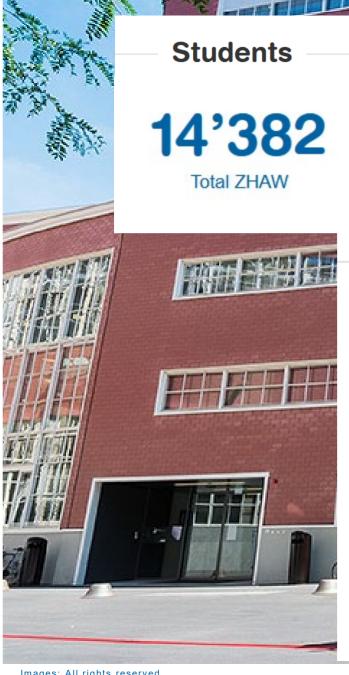


# Zurich University of Applied Sciences

The ZHAW OER Community at the heart of fostering strategic aims of the university







**Employees** 

271 Professors

946 Lecturers

3'516

Total ZHAW 2646 full time equivalent

ZHAW (2022)



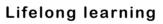


# **ZHAW** strategic goals



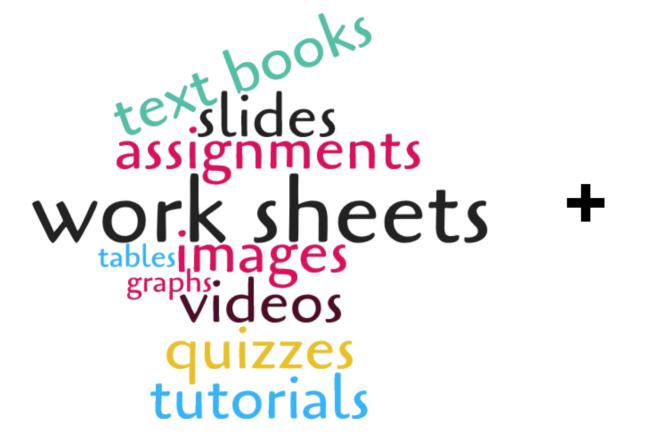


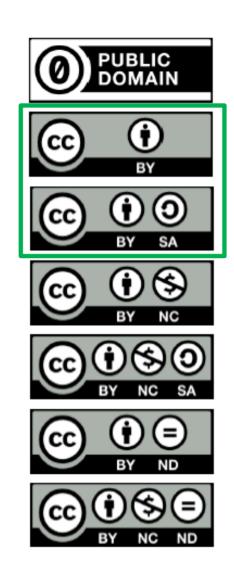






# **OER - Open Educational Resources**





Zurich University of Applied Sciences



**UNESCO** definition of **OER** 







### **UNESCO** Recommendation on **OER**

## **Developing supportive policy**

# **ZHAW OER Policy**

"The ZHAW expects its members of staff to publish their open educational resources under one of the following Creative Commons licences:"







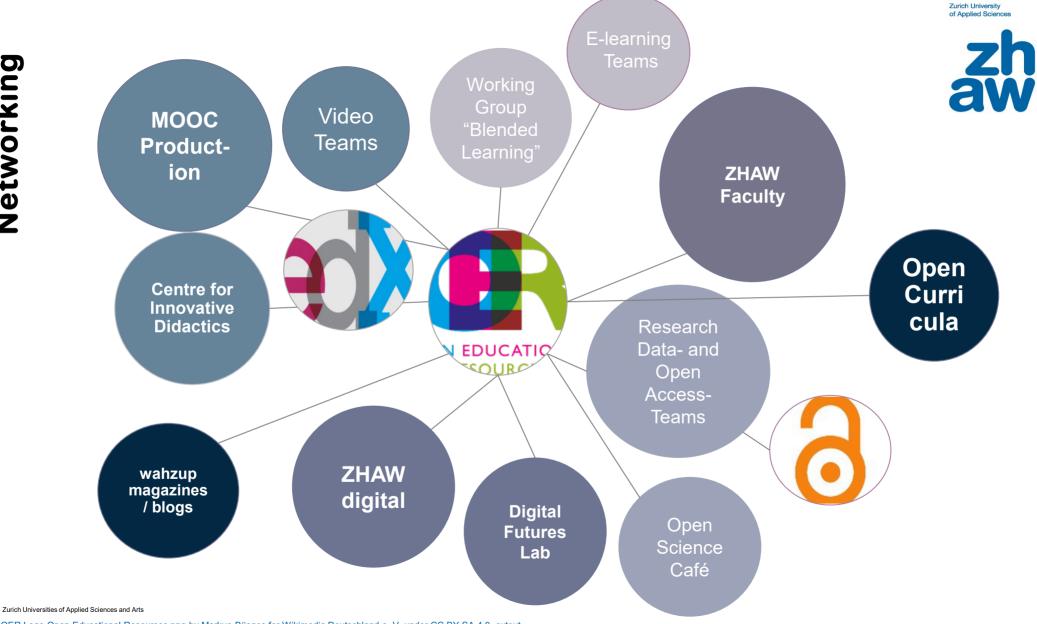


### **UNESCO** Recommendation on **OER**

Building capacity of stakeholders to create, access, re-use, adapt and redistribute OER

# OER Competence Centre at the University Library

- Know-how
- Courses and support with copyright, Creative Commons and OER
- Guidelines, FAQ and checklist









**Illgemein** Beiträge Dateien SPS-Notizbuch 2 weitere - +

#### Willkommen im Team!

Versuchen Sie, den Teamnamen oder die Namen von Lehrern zu @erwähnen, um mit dem Idee

Krüger Nicole (krun) 28.07 11:36 Bearbeitet



Sei Teil der OER Community an der ZHAW

Erfahre Neues und teile dein Wissen, teile OER-Materialien und stelle Fragen an die Community.

# **Sharing new OER within the Community**

Zurich University of Applied Sciences



Enclosed I would like to share my script for "Applied Atmospheric Sciences for Aviation Engineers". It was created under CC BY-NC-SA, with the help of a freelancer (freelancer.com), ...

On my SwitchTube channel you can find videos from different disciplines on protein analytics, published under CC BY-SA 4.0: ...

..., I have created a guide on the use of machine translation specifically for communication with refugees from Ukraine. ...

## Comments, discussions and likes







Here are our materials from the course "Computational Movement

Analysis" in which we share the materials as well as their source code

publicly on Github ...

10 Answers from ...

**Discussion** 

about licenses for open source code.

Knowledge from the community

was much broader than just from the OER team.

**Interdisciplinary Exchange** 

## **Sharing OER related information**

Hi everyone, The UNESCO is organizing a webinar on OER next Monday from 3:00 to 4:00 pm. I thought some of you might be interested in joining this Zoom meeting.

One of my favorite authors, ..., has published a book in 2014 that ... presents the problematics of "copyright" and its alternatives....



The SNSF is organizing a competition for scientific images.

They are to be made available to the media and the public under an open license. ...

Dear OER community, happy new year to you all! Prof. ... and myself are working on a project to promote accessible Open Educational Resources (OERs).

## **Podcasts / Video Interviews**







Video <u>"OER-Digital Campus</u>" by Daniel Baumann, Managing Director ZHAW Digital and ZHAW OER Competence Centre under <u>CC BY 4.0</u>
Blog entry "OER und der digitale Campus der ZHAW"

Voices from the community promoting the community.



Video "OER Open Curriculum" by Maya Ladner, Programme Director, MSc Preneurship for Regenerative Food Systems (PREFS) and ZHAW OER Competence Centre under <u>CC BY 4.0</u>, Blog entry "Vom Lehren und Lernen in Netzwerken"

# **Community Kickoff-Event in October 2021**





# Save the date und gehOER dazu!



Join the conversation!

Werde Teil der OER-Community in unserem TEAMS-Kanal

"P3 skydiving formation 79 way 2012.jpg" by Princi19skydiver under CC BY-SA 4.0

- Invited Speaker
- OER best practice at ZHAW
- Discussions among participants
- Social event





# How does OER support the achievement of strategic goals?



#### Sustainability

Visibility, community building and student experience are part of ZHAW's strategy for sustainability. OER-Community and Students4OER project, funded by ZHAW sustainable.



#### Societal integration

Increasing community integration and inclusion in our society: OER Creator Workshop, Accessibility; examples from the OER Community



#### Lifelong learning

ZHAW edx and MOOCs, and Open Curricula → Lifelong Learning Strategy and its Challenges



#### Digital transformation

ZHAW digital and Digital Futures Lab, interdisciplinary networking



Sustainability - Students40ER competition



#### Sustainability

Visibility,
community
building and
student
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part of ZHAW's
strategy for
sustainability.
OER-Community
and the
Students4OER
project, funded by
ZHAW
sustainable.

supported by









- ✓ Students produced their own OER addressing one of the 17 SDG of the UN
- ✓ Active involvement of OER Community through outreach to students, their expertise and on the judging panel
- ✓ Outreach to students through student groups on sustainability, social media and workshops

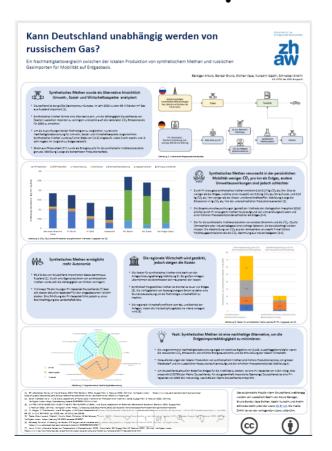


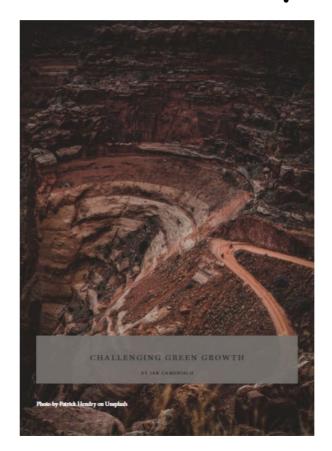
#### Sustainability

Visibility,
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strategy for
sustainability.
OER-Community
and the
Students4OER
project, funded
by ZHAW
sustainable

# How does OER support the achievement of strategic goals? Sustainability – Students' experience in OER development





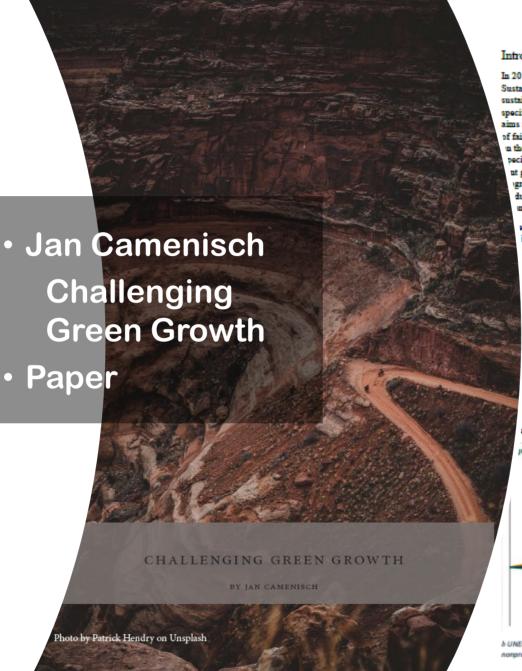


All outputs that were released under an open licence are accessible on the Zenodo platform.



#### Sustainability

Visibility,
community building
and student
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OER-Community
and the
Students4OER
project, funded by
ZHAW sustainable.



#### Introduction

In 2015 all UN member states adopted the UN's 2030 Agenda for Sustainable Development. The core of this Agenda are the sustainable development goals (SDG's). It includes 17 goals with specific targets. The 8th UN sustainable development goal (SDG 8) aims for sustainable economic growth and targets the development of fair and human worthy employment. In this text I want to focus in the first part of this goal, the sustainable economic growth, pecifically, this focuses on the targets 8.1, a minimum of 7 per int growth of the gross domestic product (GDP), and 8.4, increase agressively global resource efficiency in consumption and duction. With this framework we can see that SDG 8 targets in growth.

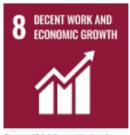
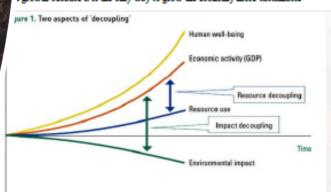


Figure a SDG 8 Decent Work and economic growth (Public Domain)

an growth is an idea that is present in most strategies in the fight against climate change. The goal is text is not only to challenge the SDG's insistence on growth but also to encourage the reader to re a variety of ideas and theories in their opinion making. I want to establish a definition for a Growth and Decoupling, afterwards I want to examine some Challenges of Green Growth g the example of solar panels) and finally I will present the Debunking Decoupling Report by a mexample of research critical against green growth.

#### n Growth and Decoupling

we should define what is meant by green growth. Green growth focuses on environmentally table economic growth. The term decoupling is usually used in discussions about green growth, so mentioned in the target 8.4 of the SDG 8. Decoupling is the separation of economic growth a usage of resources (resource decoupling) or environmental impact (impact decoupling). It can ided into relative decoupling, which would lower the material use or environmental impact in arison to economic growth and absolute decoupling, which would mean that the economy can without the usage of resources or without environmental impact. Decoupling is imperative for a growth because it is the only way to grow the economy more sustainable



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#### Sustainability

Visibility, community building and student experience are part of ZHAW's strategy for sustainability. **OER-Community** and the Students40ER project, funded by ZHAW sustainable.

- Ajadin Nuredini **Can Germany** become independent of Russian gas?
- Poster

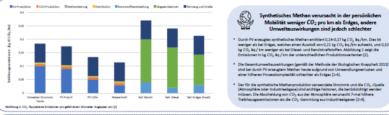
#### Kann Deutschland unabhängig werden von russischem Gas?



Ein Nachhaltigkeitsvergleich zwischen der lokalen Produktion von synthetischem Methan und russischen Gasimporten für Mobilität auf Erdgasbasis.

Bänziger Arturo, Bender Bruno, Erdhan Kaya, Nuredini Ajadin, Schneider Andr schaffis, As. 2022, Gruppe









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- https://www.aciencedirect.com/science/princis/pii/ASS90842223008477.
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Das studentische Proiekt «Kenn Deutschland unabhäng! werden von russischem Gas?s von Arturo Bänziger, Brung Bender, Kaya Erdhan, Aladin Nuredini und Andri Schneider steht unter der Uzenz CCBY 4.0. Die Marke ZHAW ist von der vorliegenden Uzenz unberührt









### How does OER support the achievement of strategic goals?

# Sustainability - Students40ER awards ceremony



#### Sustainability



Roundtable with students and university staff, ZHAW University Library, CC BY 4.0



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Nicole Krüger (right) and Yvonne Klein (2nd from left) present the prize for the best competition entry to <u>Kim Jäggi (left) and Silvana Capaul</u> (2nd from right), ZHAW University Library, <u>CC BY-ND 4.0</u>



From left to right: Yvonne Klein with <u>Sophia Graupner</u> (3<sup>rd</sup> place), ZHAW University Library, <u>CC BY 4.0</u>



Societal integration

Increasing community integration and inclusion in our society:

OER Creator Workshop; Accessibility; examples from the OER Community

# How does OER support the achievement of strategic goals? Societal integration – OER from our OER Community





Dr. Alice Delorme Benites created a guide in March 22 on the use of machine translation tools specifically for communicating with refugees from Ukraine. She published it under CC BY 4.0 to distribute and make it widely available to others for reuse and further development.



#### Societal integration

Increasing community integration and inclusion in our society:

OER Creator Workshop; Accessibility; examples from the OER Community

# How does OER support the achievement of strategic goals? Societal integration – Digital Skills Project





## **OER Creator Workshop 2022**

 Collaborate with others to create and release your learning materials under an open licence

#### Focus on:

- Practical, 'how-to' create & publish OER
- OER and accessibility
- Networking and connecting
- Collaborating and exchanging ideas

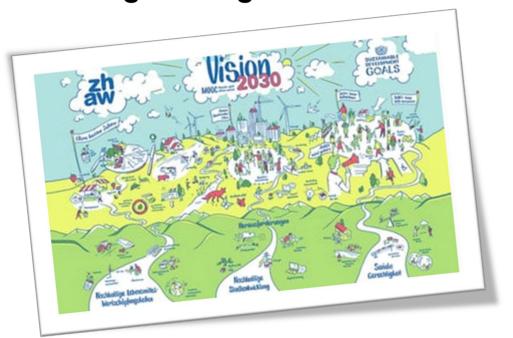


#### Lifelong learning

ZHAW edx and MOOCs, and Open Curricula
→ Lifelong
Learning Strategy and its
Challenges

# How does OER support the achievement of strategic goals? Lifelong learning – ZHAW edx and MOOCs



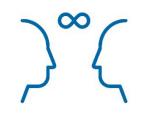


#### **MOOC Vision 2030**

This MOOC has openly licensed introductory materials on Sustainable Development, Food Value Chains, Urban Development and Social Justice.

Starts 27 June

Challenge: We have several MOOCs in production. Although MOOCs are open to everyone, it does not mean that the process to producing these MOOCs is aligned with planning to release this material under open licences, so it can be truly open. We are working towards this goal.



#### Lifelong learning

ZHAW edx and MOOCs, and Open Curricula

→ Lifelong Learning Strategy and its Challenges

# How does OER support the achievement of strategic goals? **Lifelong learning – Open Curricula**





Master's in Preneurship for Regenerative Food Systems (MSc PREFS)

 Open curricula, where students can design their own curriculum and focus on their personal learning journey.

The format was predestined to produce a wealth of learning resources that could – set-up through a proper framework – increase our pool of OER materials immensely.

#### Challenge:

New course, new structure, new teaching staff, tight schedule however meant that it was impossible to create and release newly developed learning materials under an open licence before the semester started. At the moment re-evaluated for a later stage.



#### Digital transformation

ZHAW digital and Digital Futures Lab, interdisciplinary networking How does OER support the achievement of strategic goals?

# Digital transformation – ZHAW digital and Digital Futures Lab





Our OER Team is part of <u>ZHAW digital</u> and active member of the <u>Digital Futures Lab (DFL)</u>. We cross-link events that happen in our OER Community or in the DFL Community and seek interdisciplinary networking opportunities for both, which fosters new collaborations.

We advertise our projects, raise awareness for OER and have an active exchange with members on their experiences on current topics and offer our expertise in the area of OER for their projects.

With its strategic initiative "ZHAW digital", the ZHAW addresses the dynamic changes involved in the digital transformation. The goal is to pool expertise in education and research in order to take an active part in shaping the digital transformation.

Promoting digital transformation in education.



# Concluding

The ZHAW OER Community at the heart of fostering strategic aims of the university







Lifelong learning



Digital transformation



Societal integration

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