

Building OER Competence Across the Unite! Alliance

Insights from the "Unite! OER Courses" Project

13 March 2025 – Unite! Ed Future conference

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& Dr. Rubén Vicente-Saez (Aalto)

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WELCOME

Agenda

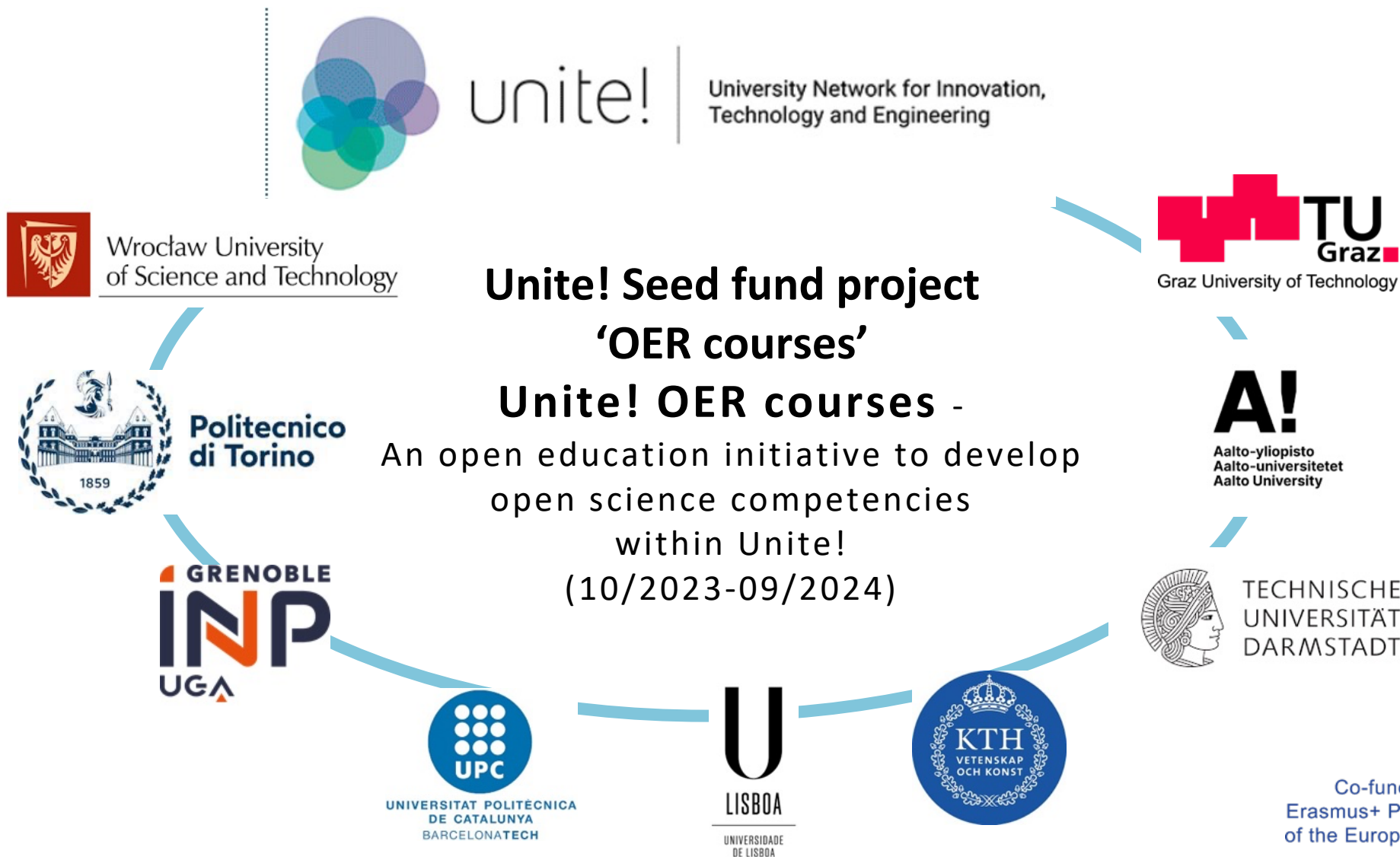
1. Background: Unite! - European University Alliance
2. Overview of project idea and objectives
3. Project plan
4. The OER MOOC
5. The OER course
6. A Unite! OER capacity training
7. Notes on Impact
8. Outlook

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1. Unite! European University Alliance



Project team



Project Lead
Dr. Martin Ebner
TU Graz

Task 2 Lead
Dr. Sandra Schön
TU Graz

Task 3 Lead
Dr. Rubén Vicente-Saez
Aalto

(Part of) The project team



The background is a solid dark blue color. In the upper-left corner, there are several overlapping circles of varying shades of light blue and white, creating a layered, abstract effect.

2. Project idea and background

Project idea (1/3): Spread idea and knowledge of Open Educational Resources (OER) within the Unite! alliance

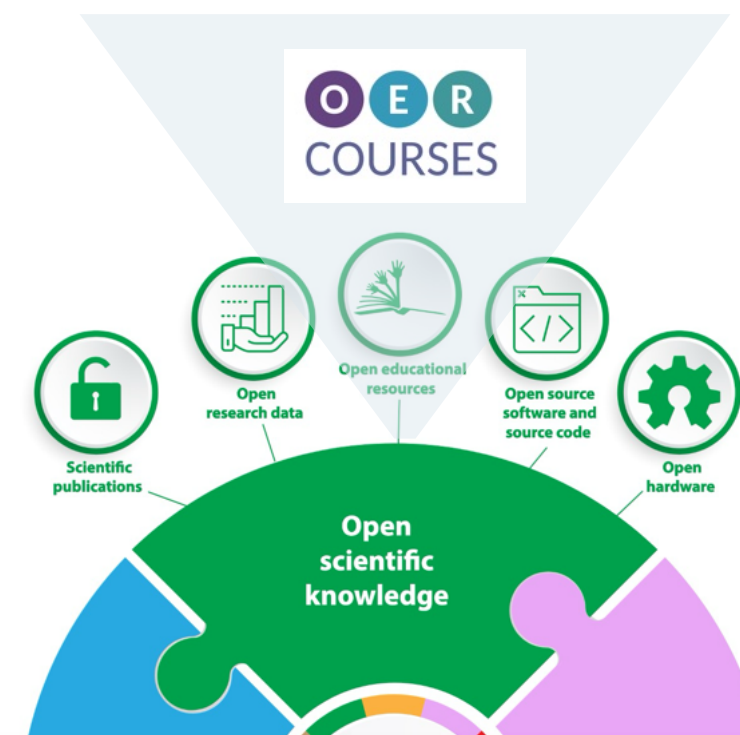
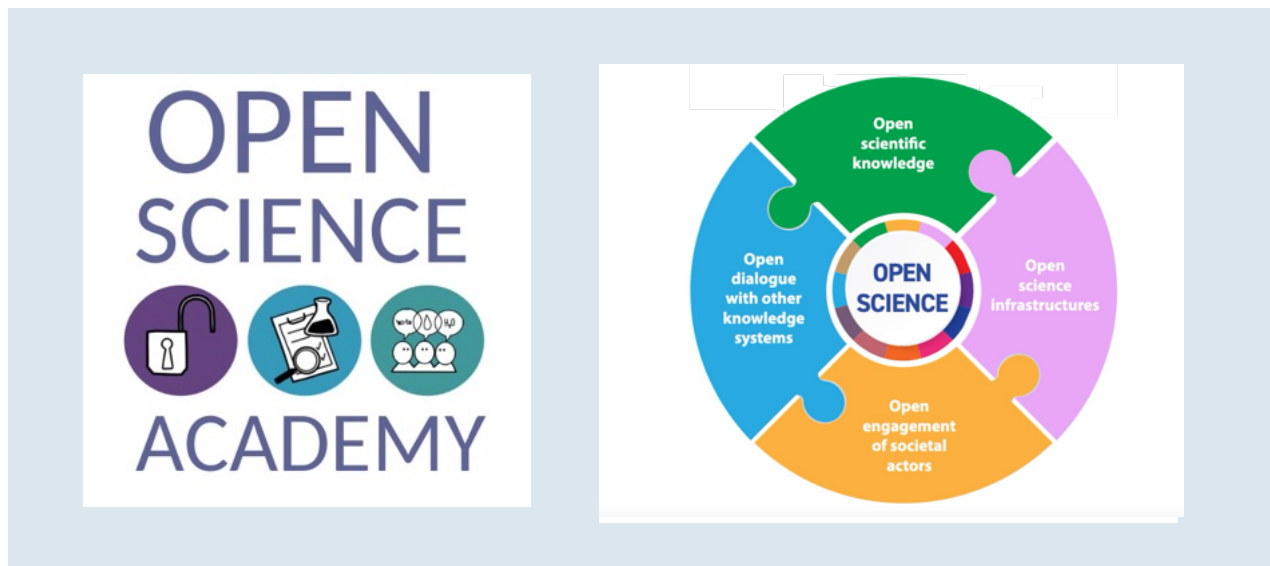
„Open Educational Resources (OER) are learning, teaching and research materials in any format and medium that reside in the **public domain** or are under copyright that have been **released under an open license**, that **permit no-cost access, re-use, re-purpose, adaptation and redistribution** by others.“

OER definition
by UNESCO



Project idea (2/3): Pilot for a Unite! „Open Science Academy“

The vision of a “Unite! Open Science Academy” -
and the seed fund project proposal “Unite! OER course” as a pilot



Open Science illustrations: UNESCO Open Science Recommendation (2021)
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Project idea (3/3): Support the Unite! Open Science and Innovation Roadmap

Objective 5. Improving open science competencies

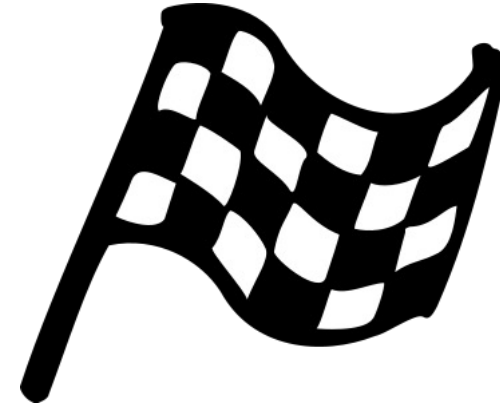
Recommendation 9. Unite! Universities should promote multilingual open educational resources on open science for the capacity-building of their research communities. These resources should boost the participation in science among their research communities, composed of researchers, students, staff, faculty, citizens and partners.

Recommendation 10. Unite! Universities should open their training in open science infrastructure, tools and skills for everyone. Programmes, courses, MOOCS, workshops, seminars on-demand on open science should be promoted across their research communities and worldwide as a foundation stone of a European open science and innovation university.

Source: Unite! H2020
Deliverable 6.1, https://www.unite-university.eu/media/pu_deliverable-6-1-unite-open-science-and-innovation-roadmap.pdf)

Objectives of „Unite! OER courses“

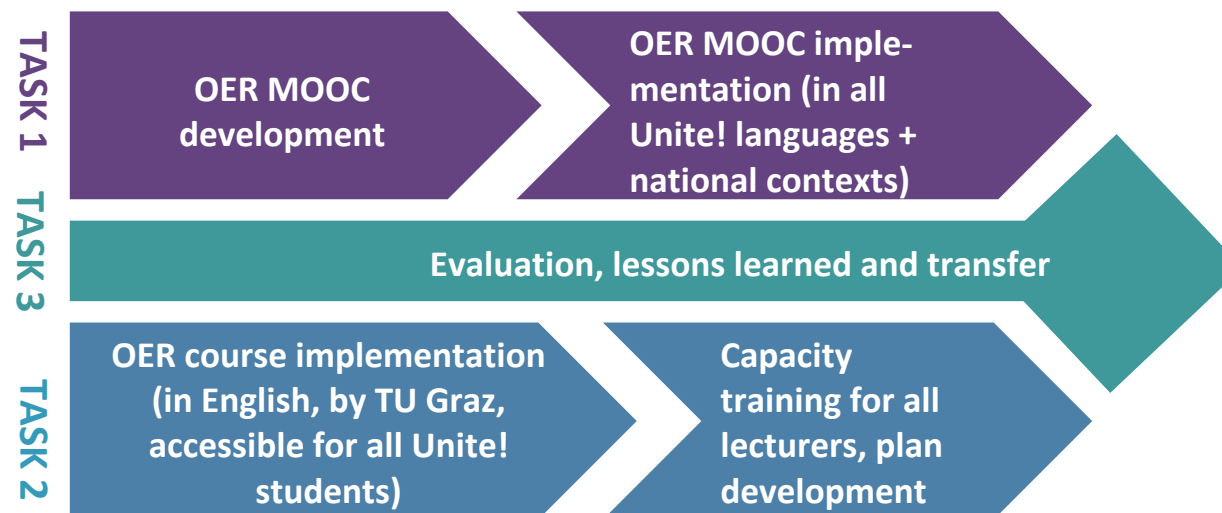
- Develop and implement a **Unite!-wide OER competence initiative** for students and lecturers
- Create a **MOOC about OER** (under CC BY 4.0 International) translated into all 9 Unite! languages
- Offer an **OER course** in English by TU Graz for all Unite! students at **Unite! Metacampus**, incorporating the OER MOOC and the Austrian OER certification scheme
- Provide **OER capacity training for lecturers** and develop **plans for OER course implementation** in all 9 Unite! universities
- Generate a report on **lessons learned** from the pilot project for a future Unite! Open Science Academy.



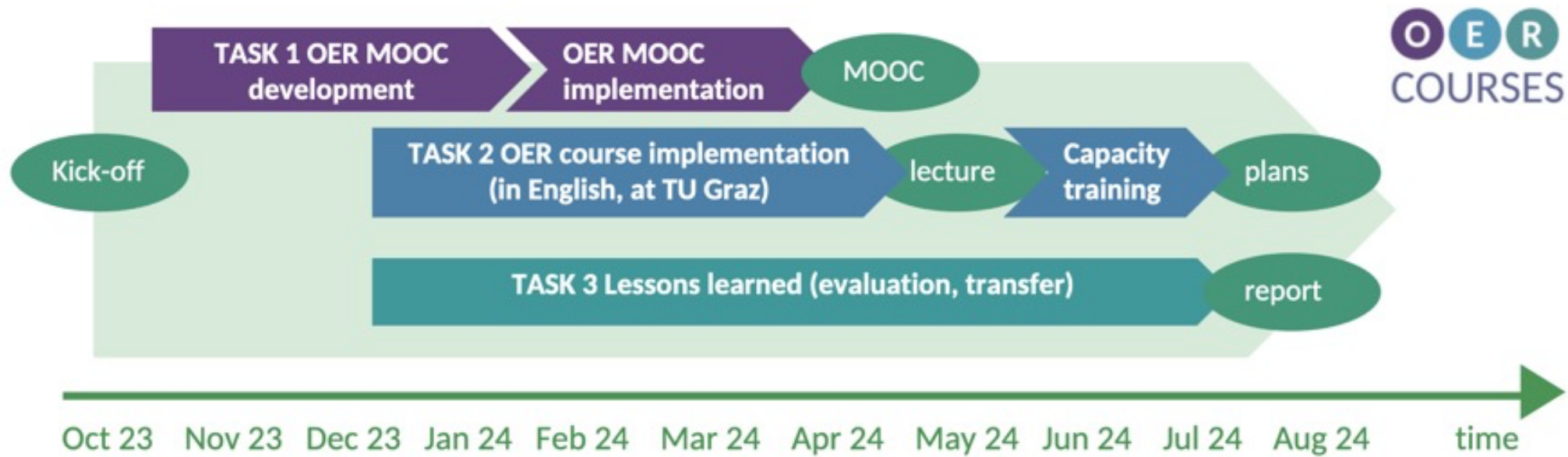
3. Project Plan



Work plan



Time plan



4. The OER MOOC

A multilingual AI supported adventure with extended cooperations

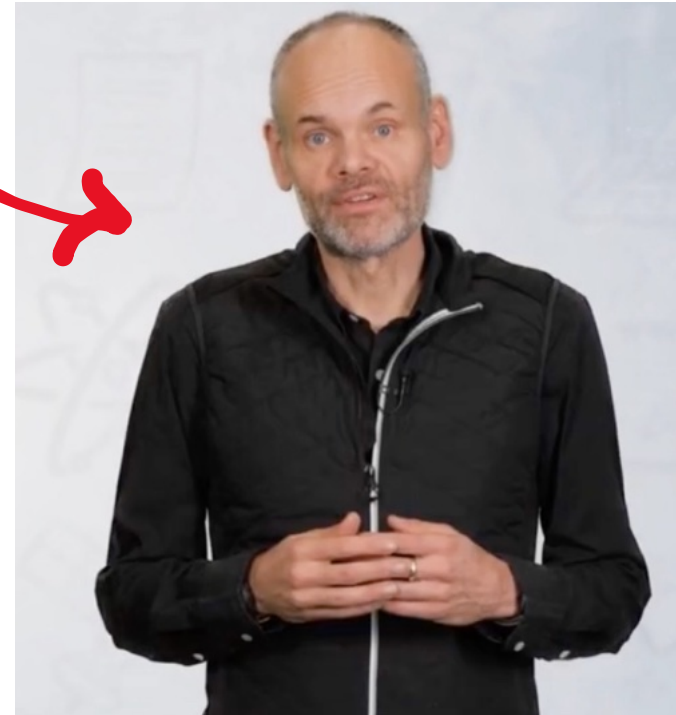


AI was used



Sandra's
Avatar

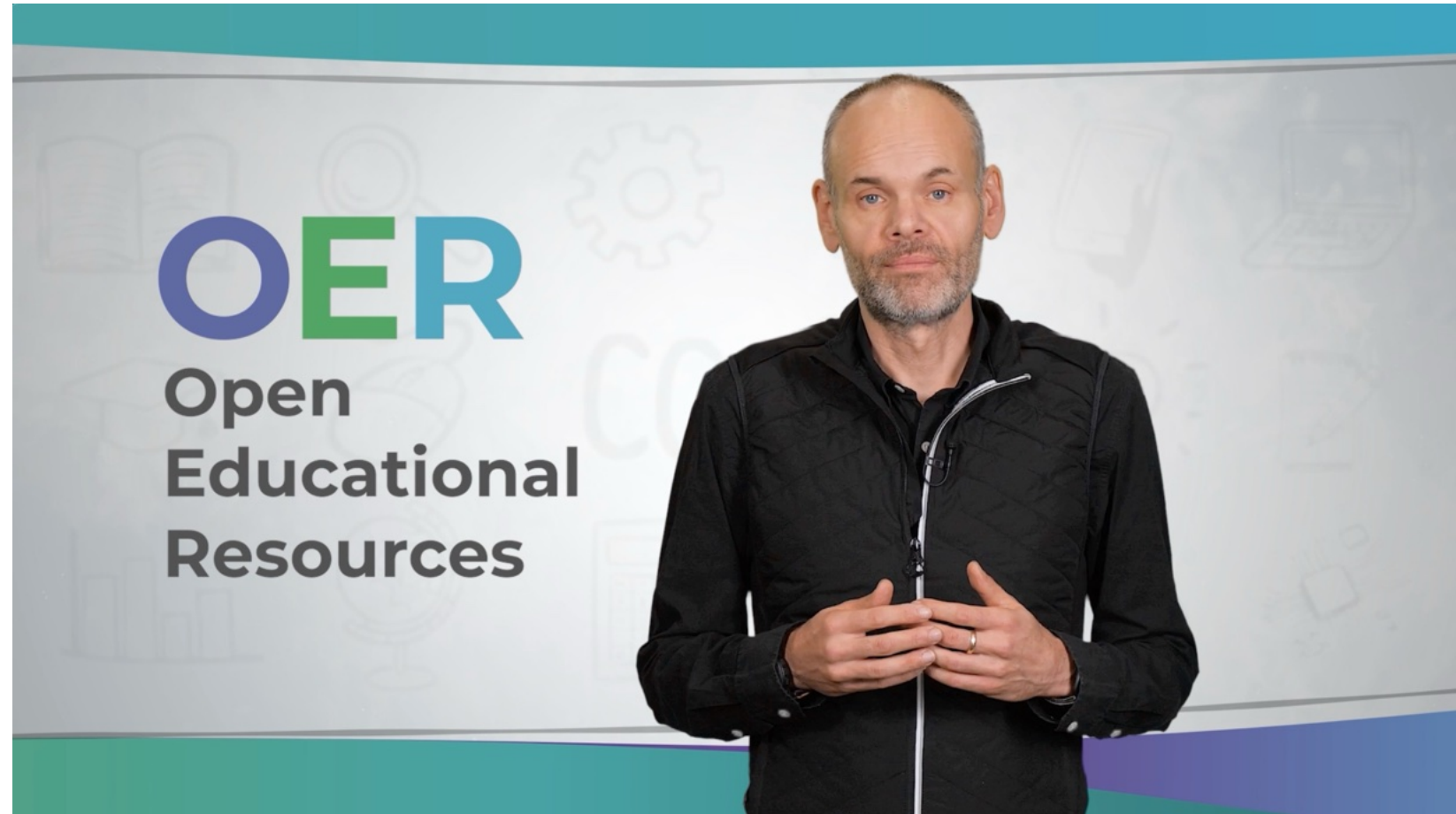
Martin's
Avatar



Video example: The introduction

You find the videos as
well here:

<https://www.youtube.com/playlist?list=PLhy2nHJciTEDWpS0YFh1zewb32u22JzvW>

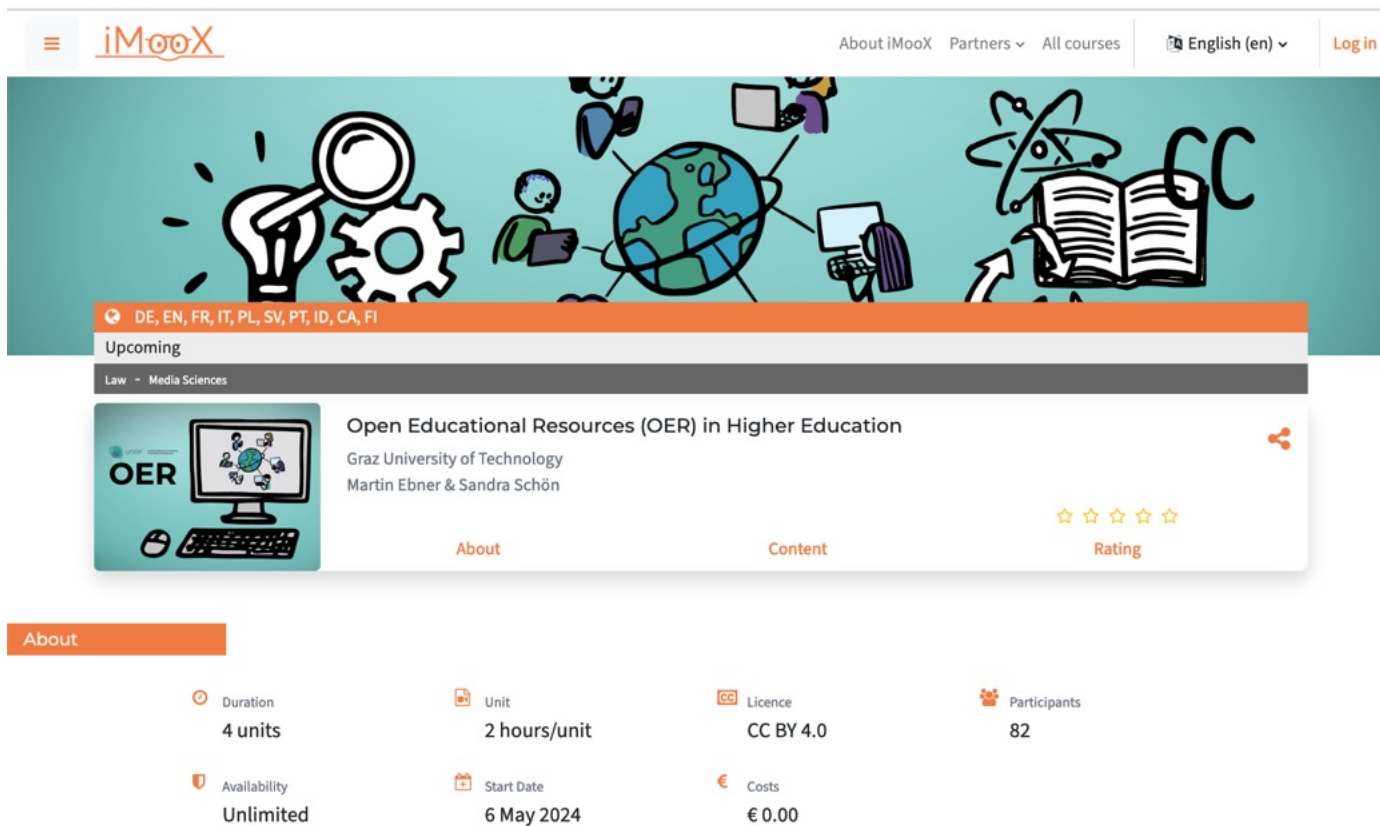


The MOOC OER in HEI
is open licensed!








You find it here:

<https://imoox.at/course/OERinHE>

You are invited to use (parts) in your
own teaching or integrate it as a
whole!

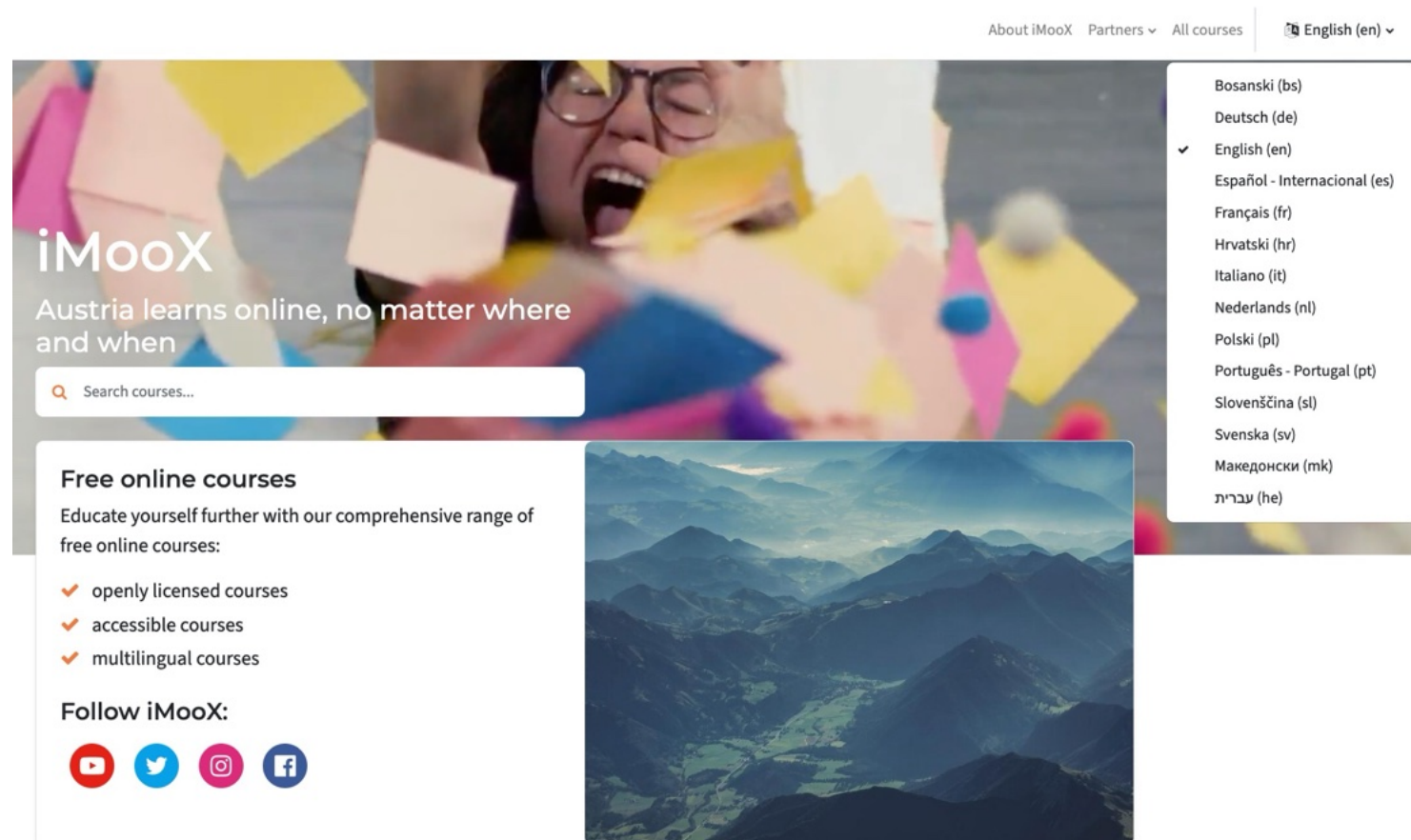
The screenshot shows the iMooX website interface. At the top, there's a navigation bar with the iMooX logo, links for 'About iMooX', 'Partners', 'All courses', a language dropdown set to 'English (en)', and a 'Log in' button. Below the navigation bar is a large banner with a teal background and white line-art illustrations of a lightbulb, gears, a globe, a person, a laptop, and an open book with the letters 'CC' next to it. Under the banner, there's a list of languages: 'DE, EN, FR, IT, PL, SV, PT, ID, CA, FI'. Below that, it says 'Upcoming' and 'Law - Media Sciences'. The main course card is titled 'Open Educational Resources (OER) in Higher Education' by 'Graz University of Technology' and 'Martin Ebner & Sandra Schön'. It features a small icon of a computer monitor with 'OER' on it. To the right of the title are five yellow stars for the rating. Below the course card, there's an 'About' section with a grid of course details:

 Duration	 Unit	 Licence	 Participants
4 units	2 hours/unit	CC BY 4.0	82
 Availability	 Start Date	 Costs	
Unlimited	6 May 2024	€ 0.00	



The MOOC is available at iMooX.at

- iMooX.at is the national Austrian MOOC platform hosted by TU Graz
- It only offers CC licensed courses and is one of the most important OER initiatives in Austria



The screenshot shows the iMooX website homepage. At the top right, there are links for 'About iMooX', 'Partners', and 'All courses', along with a language dropdown menu currently set to 'English (en)'. The main header features the iMooX logo and the tagline 'Austria learns online, no matter where and when'. Below this is a search bar labeled 'Search courses...'. A section titled 'Free online courses' states 'Educate yourself further with our comprehensive range of free online courses:' and lists three benefits: 'openly licensed courses', 'accessible courses', and 'multilingual courses'. Below this is a 'Follow iMooX:' section with icons for YouTube, Twitter, Instagram, and Facebook. On the right side, a language selection menu is open, showing options: Bosanski (bs), Deutsch (de), English (en) (selected), Español - Internacional (es), Français (fr), Hrvatski (hr), Italiano (it), Nederlands (nl), Polski (pl), Português - Portugal (pt), Slovenščina (sl), Svenska (sv), Македонски (mk), and עברית (he). The background of the website features a collage of colorful sticky notes and a scenic mountain landscape.

The MOOC is multilingual!

Trailer for Open Educational Resources (OER) in Higher Education



9 Unite! languages and versions

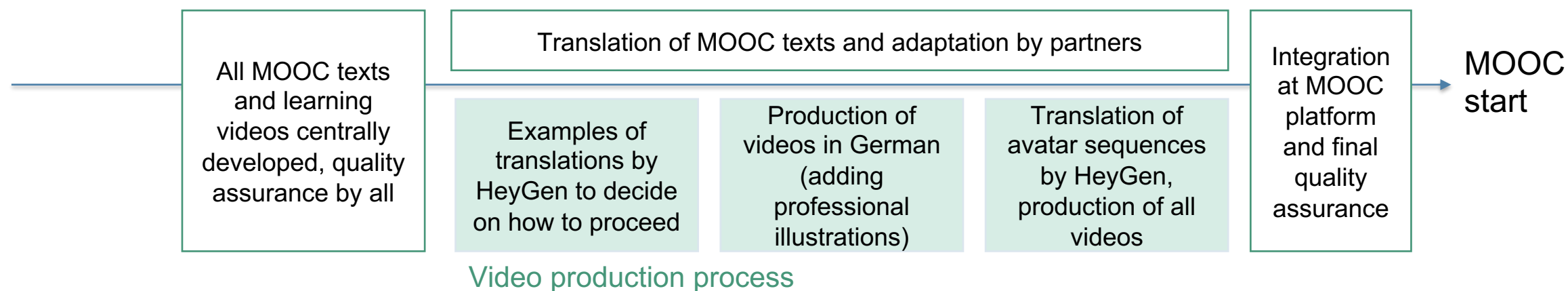
- Deutsch (de) – TU Graz, TU Darmstadt
- English (en) – Unite! version
- Francais (fr) – Grenoble INP-UGA
- Italiano (it) - Polito
- Polski (pl) – Wroclaw Tech
- Portugues (pt) – Universitat Lisboa
- Svenka (sv) - KTH
- Suomi (fi) - Aalto
- Catalan (ca) - UPC

Additional 3 (!) language versions

- Indonesian (in) by Dr. M. Kharis, Universitas Negeri Malang
- Turkish (tu) by Prof. Dr. Engin Kursun, Atatürk Üniversitesi
- Arabic (ar) by Bouchra Aboura (University of Oran 2)



Development of the MOOC

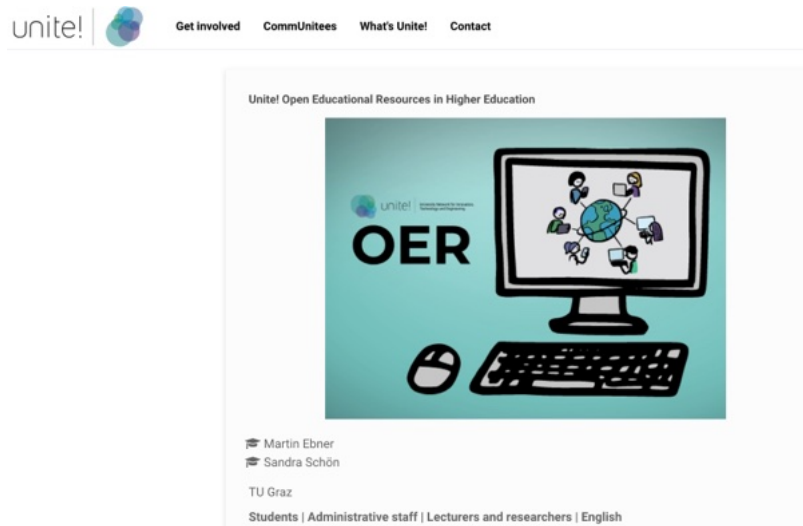




5. The OER course

For Unite! people – using the MOOC

OER lecture by TU Graz at Unite! Metacampus

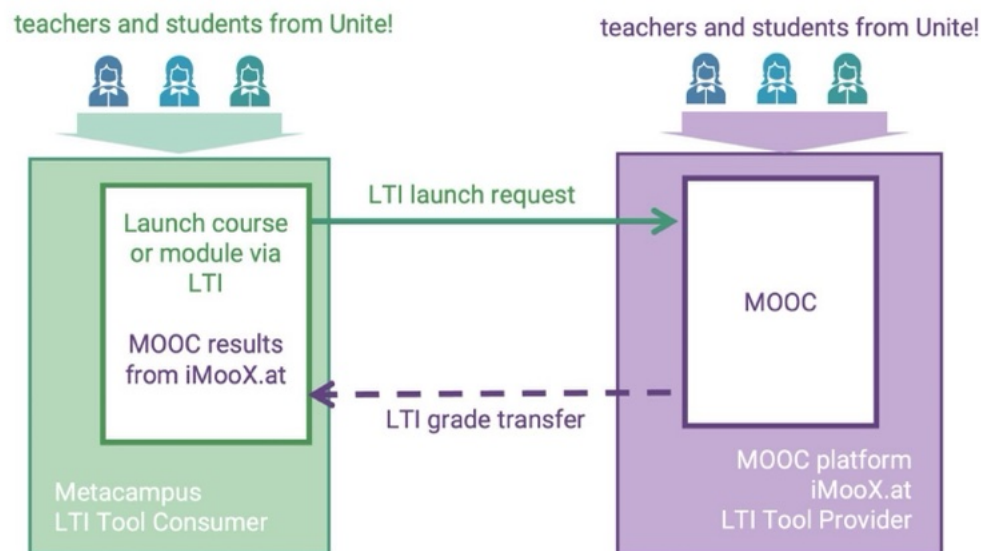


- The Metacampus is Unite!'s federated learning management system (<https://metacampus.unite-university.eu/>)
- No registration needed as Unite! member (e-mail-adress, EduGain)
- Although it is a university lecture, of course teachers and staff was invited as well to participate!

Link to course: <https://metacampus.unite-university.eu/course/info.php?id=95>

The OER lecture was an LTI (learning tools interoperability) pilot connecting two learning management platforms

- For easy access iMooX.at was successfully connected to Unite!'s Metacampus (via LTI, learning tools interoperability)



Sources:

Schön, S., Ebner, M., & Gasplmayr, K. (2024). Connecting platforms via LTI: The university course "OER in HE" and the connection of Metacampus with iMooX.at. Unite! Digital Teaching and Learning - Success Story Report" edited by Martin Ebner, Katharina Gasplmayr and Sandra Schön, 2/2024. <https://doi.org/10.3217/v8nta-ayw79>

Schön, S., Ebner, M., Edelsbrunner, S., Gasplmayr, K., Hohla-Sejkora, K., Leitner, P. & Taraghi, B. (2024). Federated virtual learning management in a European University alliance: General challenges and first experiences using LTI to connect LMS in Unite!. In T. Bastiaens (Ed.), Proceedings of EdMedia + Innovate Learning (pp. 132-145). Brussels, Belgium: Association for the Advancement of Computing in Education (AACE). Retrieved July 11, 2024 from <https://www.learntechlib.org/primary/p/224514/>



Successful participants got an Unite! certificate and the national Austrian OER certificate (on request)

[Zertifikate](#) [Zertifizierung](#) [Antragstellung](#) [Testimonials](#) [Ressourcen](#) [Kontakt](#)[Login](#) 

personenzertifikate



OER
Practitioner |
OER-
Praktiker:in

Personen, die erfolgreich an [akkreditierten OER-Weiterbildungen](#) teilgenommen haben, erhalten auf [Antrag](#) das Zertifikat "OER Practitioner | OER-Praktiker:in", das eine eindeutige Kennung hat.

Einen schnellen Überblick über die ihnen zugeordneten Personenzertifikate (auch aus Perspektive der Weiterbildung) erhalten Hochschulen [im eigenen Profil](#).

Bisher ausgestellte Zertifikate im Jahr 2025

- P-2025-001 Hermann Klocker-Mark, Pädagogische Hochschule Tirol
- P-2025-002 Madeline Meyer, Universität Graz
- P-2025-003 Francesco Carraro, Technische Universität Graz
- P-2025-004 Daniela Lippe, Universität Graz
- P-2025-005 Astrid Weiß-Fanzlau, Universität Klagenfurt
- P-2025-006 Benjamin Kremmel, Universität Innsbruck
- P-2025-007 Birgit Schulz, Technische Universität Graz

Ausgestellte Zertifikate im Jahr 2024:

- P-2024-001 Marcus Osslander, Technische Universität Graz
- P-2024-002 Christoph Heil, Technische Universität Graz

214

Zertifikate für Person
wurden bereits
ausgestellt!



Mehr zur Zertifizierung
von Personen

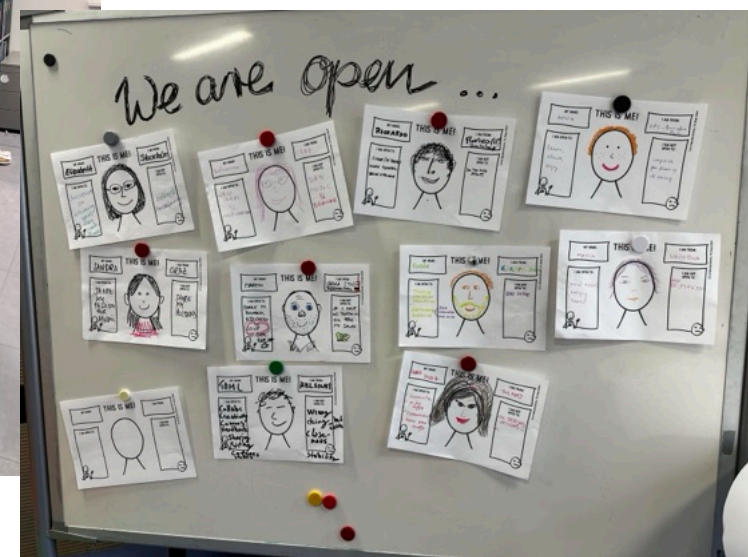
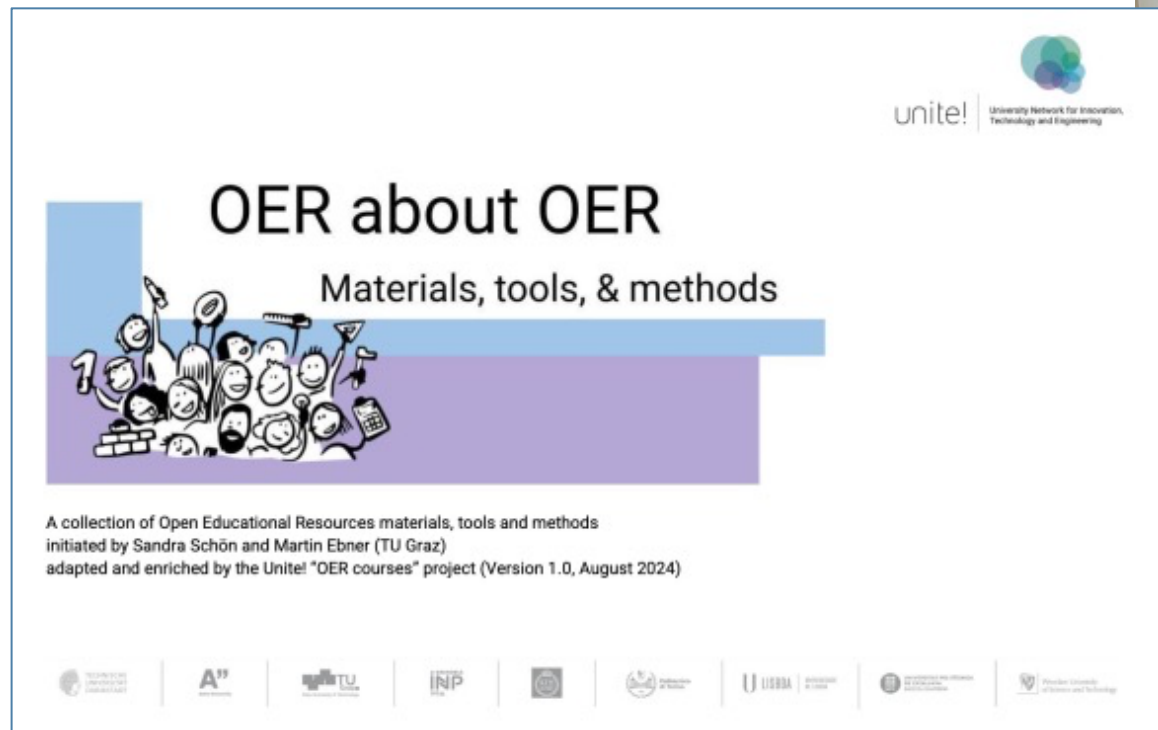
- P-2024-057 Julia Zeininger, Pädagogische Hochschule Oberösterreich
- P-2024-058 Benedikt Brünner, Technische Universität Graz
- P-2024-059 Elizabeth Keller
- P-2024-060 Katja Urak, Technische Universität Graz
- P-2024-061 Alexander Zmug, Technische Universität Graz
- P-2024-062 Amara Hofer, Technische Universität Graz
- P-2024-063 Kerstin Margaretha Zöhrer, Technische Universität Graz
- P-2024-064 Gerald Geier, Pädagogische Hochschule Steiermark
- P-2024-065 Leonhard Klug, Technische Universität Graz
- P-2024-066 Alexander Bardel, Technische Universität Graz
- P-2024-067 Christian Nosko, Kirchliche Pädagogische Hochschule
- P-2024-068 Christopher Albert, Technische Universität Graz
- P-2024-069 Christina Mühlthaler, Technische Universität Graz

Source: Screenshots from Austrian National OER certificate page
CC BY 4.0 fnma OER-Zertifikat.at -
<https://www.oer-zertifikat.at/oer/de/zertifikate/personenzertifikat>



6. A Unite! OER capacity training

OER capacity training (Graz 06/24)



Schön, Sandra & Ebner, Martin (2024). OER about OER. Materials, tools & methods. A collection of Open Educational Resources materials, tools and methods. Report of the Unite! OER Courses project, August 2024. URL: <https://doi.org/10.3217/5bq59-j6c60>



7. Notes on Impact of the project



Overview of perceived impact of the “Unite! OER courses” project for the partners who provided feedback (December 2024)

RELEVANT
IMPACT FOR
UNITE!
PARTNERS

Partner	Perceived impact
Aalto University	■ ■
KTH Royal Institute of Technology	■ ■
Politecnico di Torino	■ ■
Universidade de Lisboa	■ ■
TU Graz	■ ■ ■
TU Darmstadt	■

0 = **No impact**: No discernible effect on activities or outcomes.

■ = **Some impact (not measurable)**: Minor influence, but difficult to quantify or prove.

■ ■ = **Moderate impact (measurable)**: Measurable effects with moderate influence on practices, resources, or learning outcomes.

■ ■ ■ = **Significant impact**: Strong, measurable influence that contributes noticeably to teaching, learning, or institutional practices.

(■ ■ ■ ■ = Transformative Impact)

Source: Schön, S., Ebner, M., Hohla-Sejkora, K., Keller, E., Rapp, A., Ribeiro, M. H., Segradin, R., & Vicente Sáez, R. (n.d.). A multilingual OER online course – A case study of OER production and usage in and beyond a European University Alliance. *Journal of Digital and Distributed Education (JODDE)*. (Manuscript submitted for publication).



Project itself got a lot of recognition

SEVERAL
ARTICLES
AVAILABLE!

WERE ASKED FOR
PRESENTATION.

(BECAUSE
TOPIC IS
RELEVANT)

(AND
APPROACH
INNOVATIVE)



Some figures on impact

MOOC "OER in Higher Education"

- 833 registered participants (July 19, 2024):
- 1,258 registered participants (March 12, 2025)
- 3 additional languages (Indonesian, Turkish, Arabic)
- Implementation of MOOC materials into regular university course about Open Science (KTH), OER lecture (TU Graz), OER trainings (several Austrian universities, e.g. University of Vienna)

A REAL
BOOSTER FOR
OER IN
HIGHER
EDUCATION

(BECAUSE IT
IS OER!)

8. Outlook



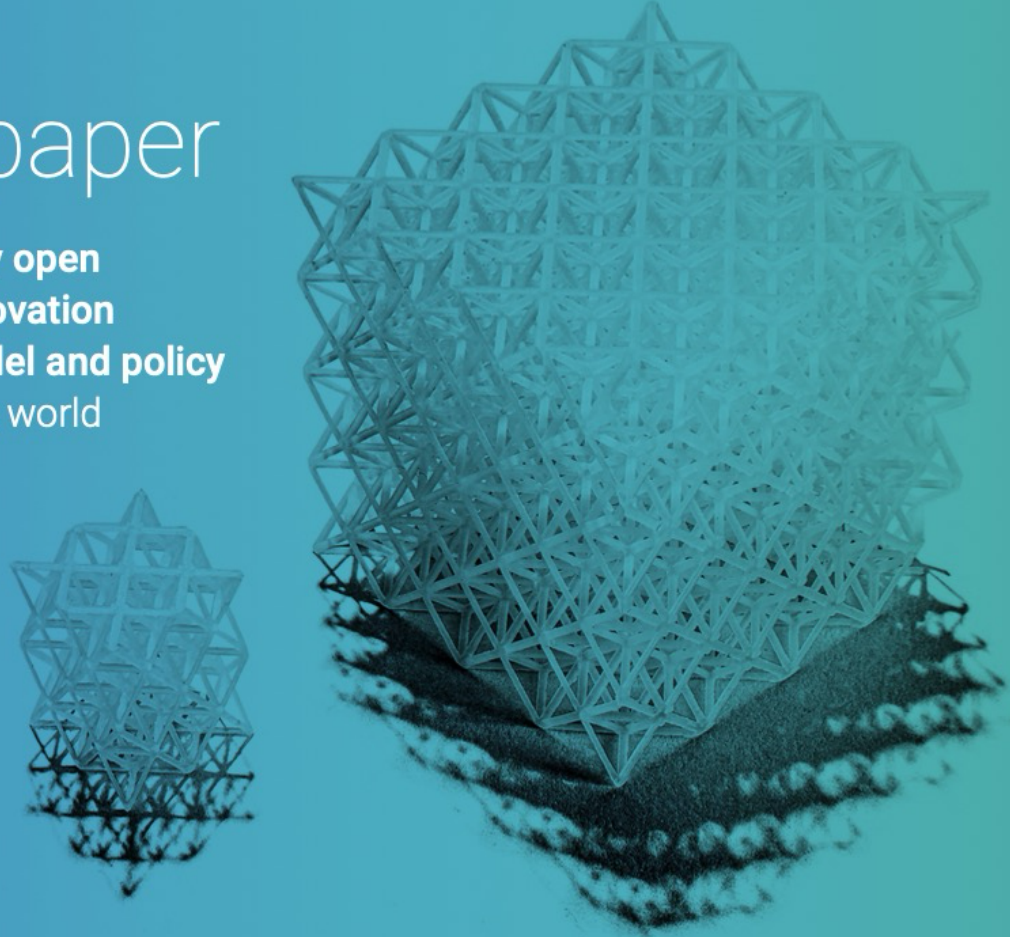
unite!

University Network for Innovation,
Technology and Engineering



Unite! white paper

**A new University open
science and innovation
governance model and policy
for a sustainable world**

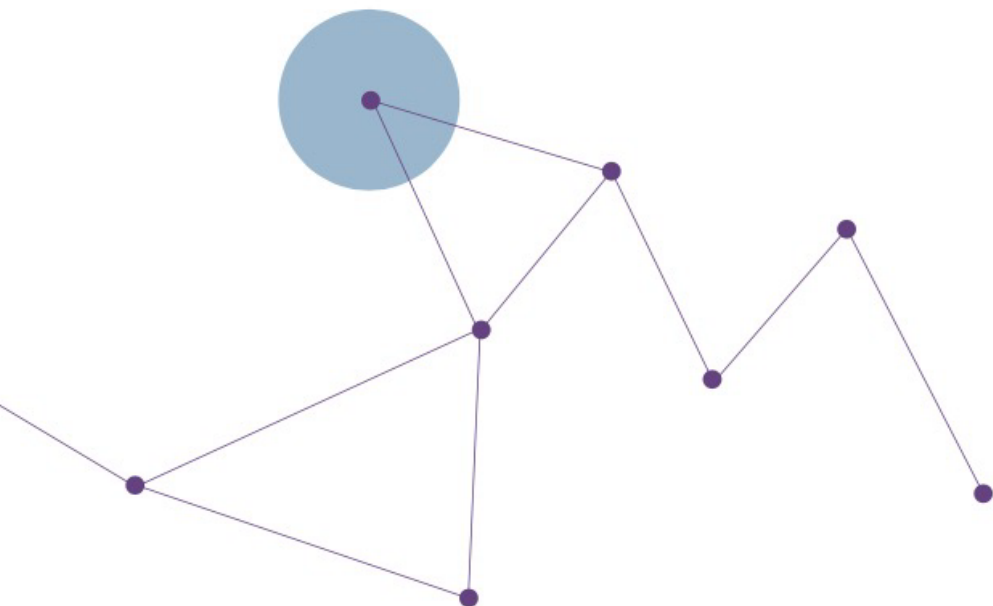


This project has received funding from the
European Union's Horizon 2020 research
and innovation programme under grant
agreement No. 101017406

Vicente-Saez, R, Rousi, A, Ribeiro, M H, Lönneborg, R,
Rovira Fernandez, A, Larrieu, M & Löbcke, K 2023, Unite!
white paper. A new University open science and
innovation governance model and policy for a sustainable
world . Unite! - University Network for Innovation,
Technology and Engineering .
<https://doi.org/10.5281/zenodo.10639557>

Recommendation 4

Incorporating open science competencies in university bachelors, masters, and doctorate levels of education to foster global citizenship



First

Universities should incorporate open science principles and competencies across all education levels to foster a global citizenship mindset. Universities play a pivotal role in shaping the educational landscape and by infusing open science principles throughout the curriculum, they can empower students with essential skills for a rapidly evolving interconnected world.

Second

At the university bachelor level, students should be introduced to the concepts of open science, highlighting transparency, collaboration, ethical considerations, and reproducibility in research practices, which should be achieved through courses or integrated modules within existing programs. A master's level education should build upon open science competencies by providing more in-depth training on open sharing and collaborative practices for data gathering and data analysis. At the doctoral level, comprehensive integration of open science competencies should be embedded in research training programs. Doctoral candidates should be guided in implementing open sharing and collaborative practices, principles, and goals in research.

Third

Universities should contribute to developing globally conscious researchers who prioritise the values of openness, inclusivity, and responsible behaviour in research and contribute to developing responsible and globally aware citizens.

Vicente-Saez, R, Rousi, A, Ribeiro, M H, Lönneborg, R,
Rovira Fernandez, A, Larrieu, M & Löbcke, K 2023, Unite!
white paper. A new University open science and
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world . Unite! - University Network for Innovation,
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<https://doi.org/10.5281/zenodo.10639557>

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- Schön, S. (2024). Hilfe, ich wurde avatarisiert! Veränderungen in der videobasierten Lehre [Help, I've been avatarized! Changes in video-based teaching.]. Keynote at *ViTeach 2024*, 10 September 2024, Online. <https://dx.doi.org/10.3217/cy2wb-f2t67>; Video: <https://video.vcrp.de/Panopto/Pages/Viewer.aspx?id=4bfec7a9-ae1-4c16-b3f8-b1e70142a363>
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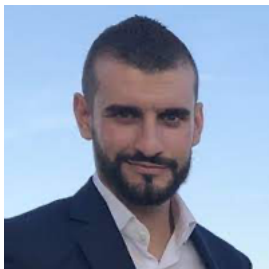
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Article about the project

<https://www.unite-university.eu/unitenews/unite-pioneers-open-science-and-multilingual-oer-courses>

unite!

University Network for Innovation,
Technology and Engineering



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Erasmus+ Programme
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