

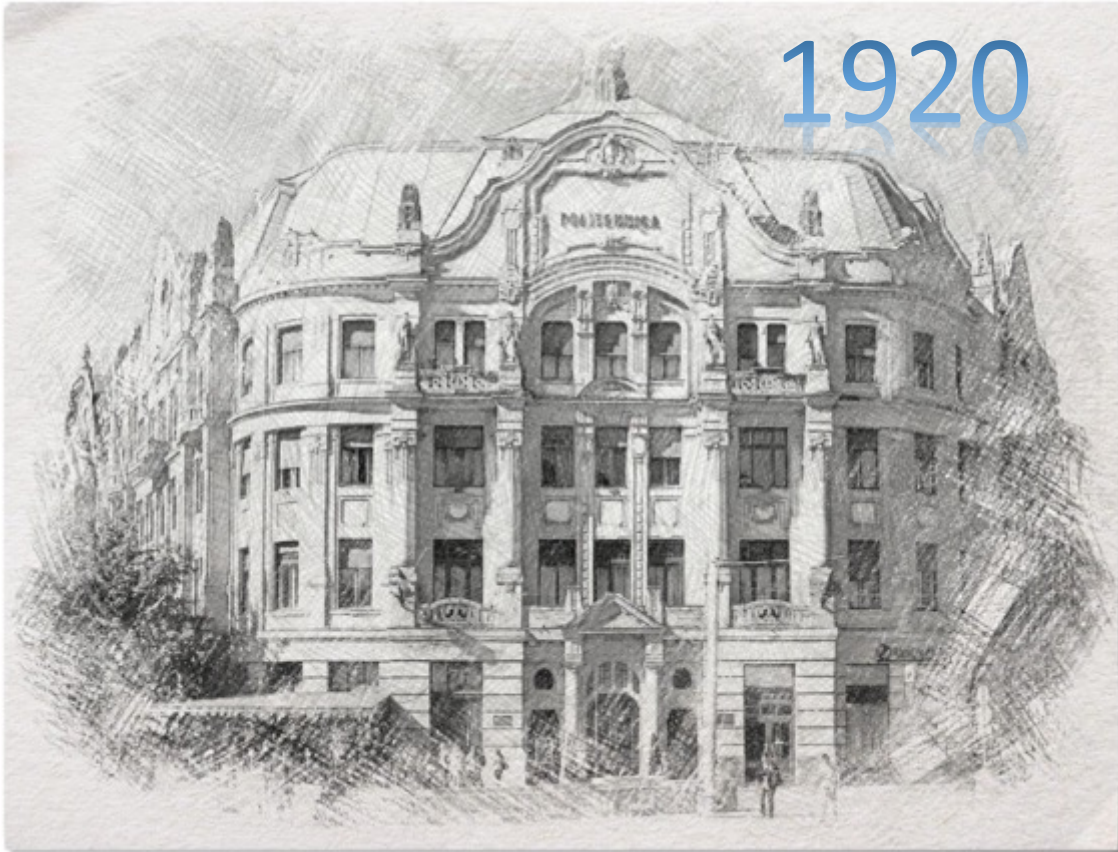


Open education principles and co-creation for digital competences

Dr. eng. Diana ANDONE

eLearning Center, Politehnica University
of Timisoara, Romania





Politehnica University of Timisoara, Romania





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

E³UDRES²

Engaged and Entrepreneurial European University as
Driver for European Smart and Sustainable Regions

European University Alliance

<https://www.eudres.eu/>



Open education Students OERs Co-creators - Assignments



Students Co-creators - Assignments

disposable assignments: literally throwing away 2 million hours of work each semester

renewable assignments: projects, artifacts, lab, companies,

Used in engineering education

The image is a collage illustrating engineering education. On the left, there is a travel website interface. The top banner features a woman on a beach with the text "Do it with passion or not at all." Below this are several travel cards with titles like "Romania, plai cu dor! Drumetie Vf. Retezat", "I wanna run away!! This time: Crete", and "Lefkada. Parga. Greece". At the bottom left, there are more travel-related cards: "Adventure Time. Travel", "Travel with me - Kopaonik,", and "Ski. Sun. Muntele Mic." On the right side of the collage, there is a dense grid of 3D CAD models and technical drawings of various mechanical and electrical components, including engines, pumps, and structural parts.

Students OERs Co-creators - Assignments

Transforming renewable assignments into OER

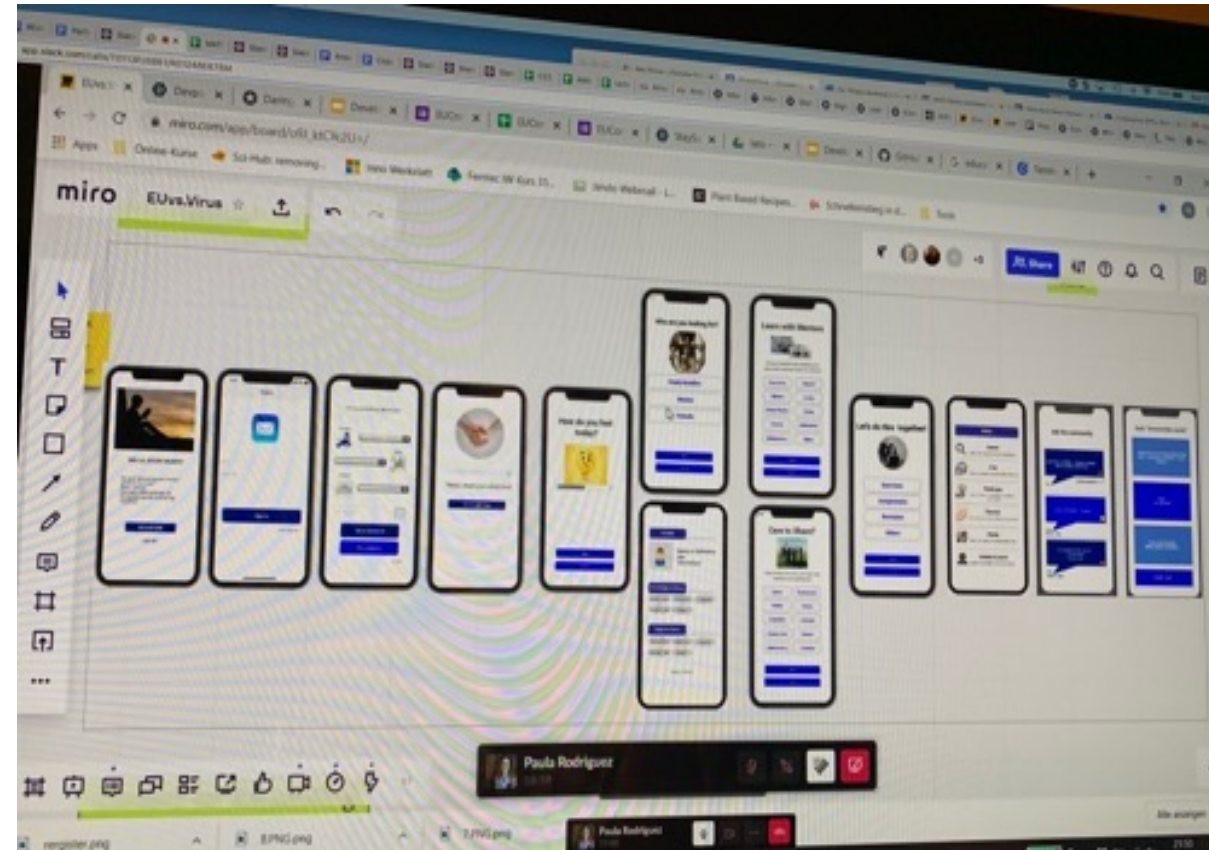
Topics selection

Indicated Structure adapted for the lab/course/subject specific

Final result submitted by student also in editable format

Special attention to the use of content licensing (CC)

OER to be adapted periodically



Students OERs Co-creators - methodology

Students
OER
creators



Students will create an OER based on a specific topic (2 students in a team)



Understand, research, analyse for a dedicated topic



Use multimedia creator tools



Understand Open education principles, Creative Commons Licences



Peer evaluation - Validated by their colleagues



Publish - CC - inside university, public, evaluation (grade, badges, etc)

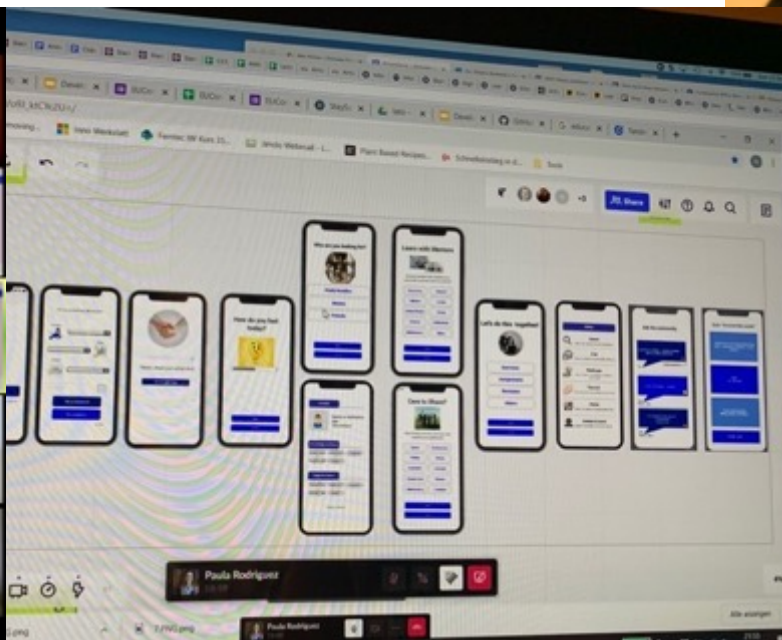
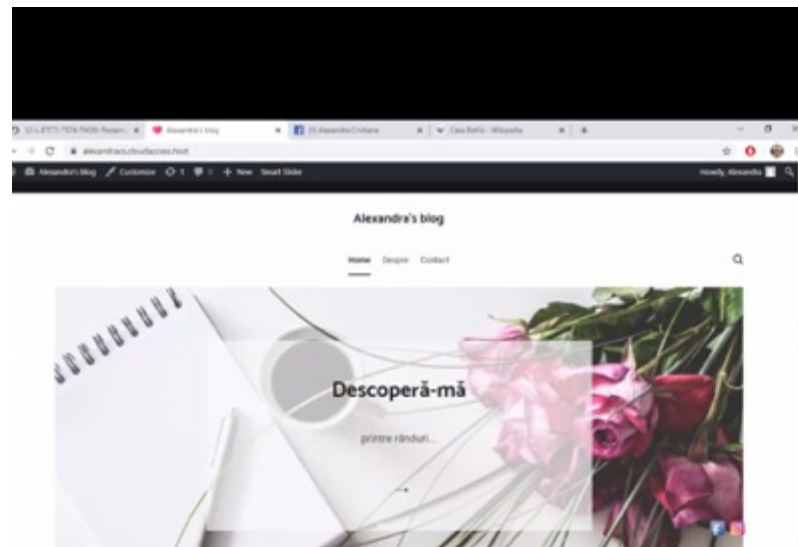


Students Co-creators – Assignments - OERs

Students learn

new tools, concepts

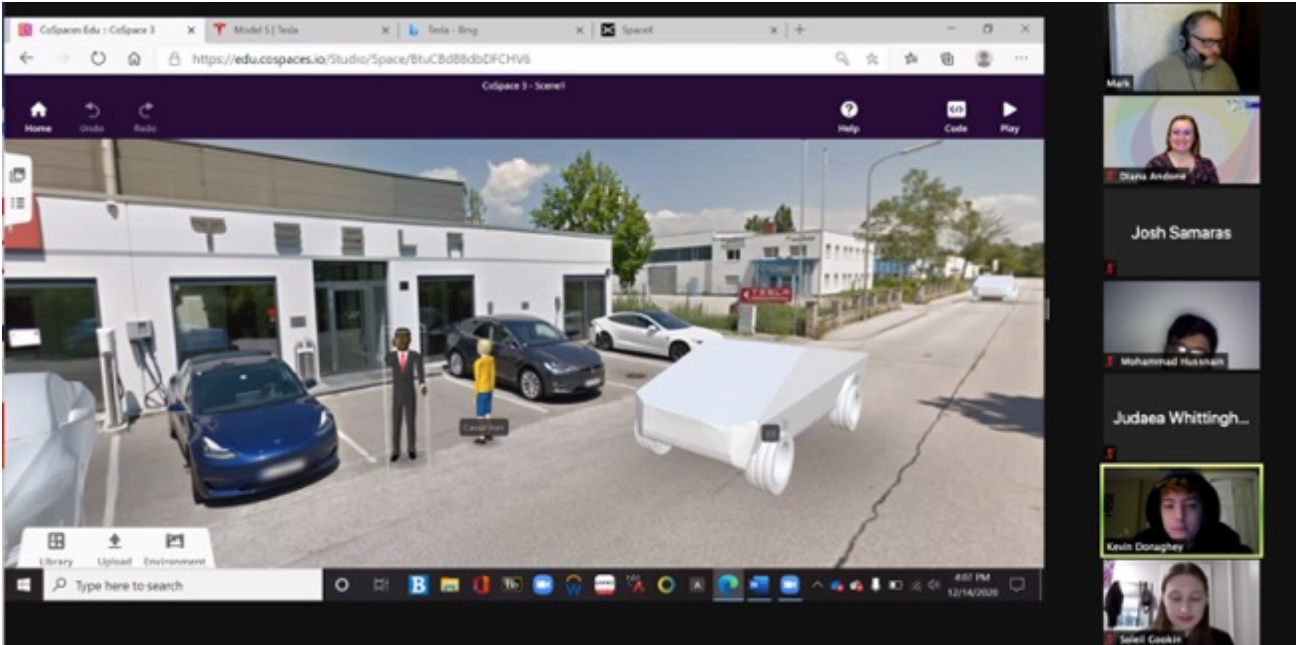
Analyses, synthesis, creation,
presentation, publish, re-use -
Creative Commons License



Students OER Co-creators Publication

Publication
Course
integration
Recognition

Scholar articles
International
repositories
Blog
Public presentations
Newsletter, Social media



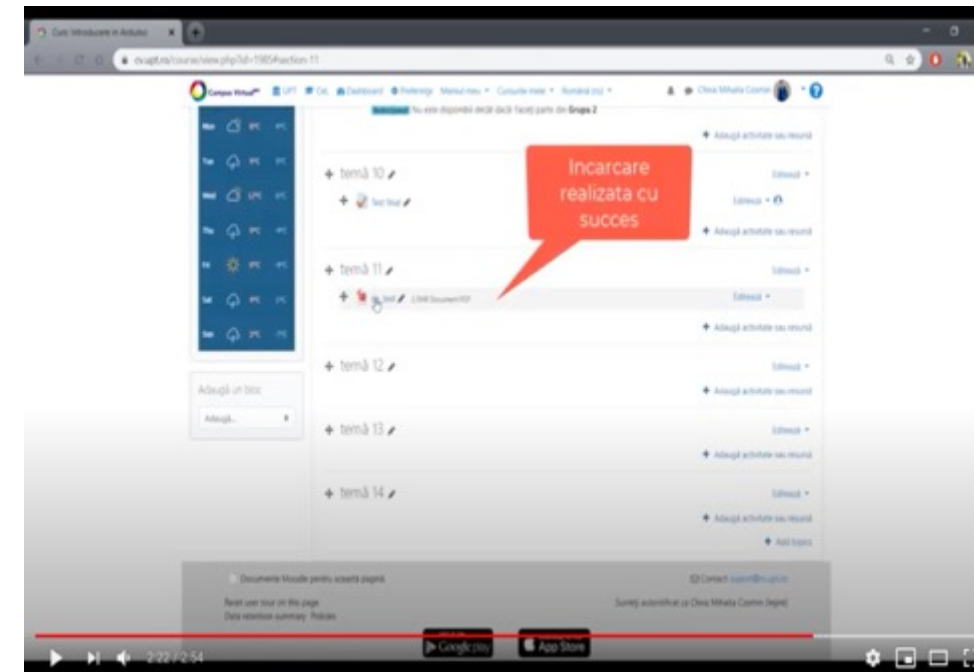
UPT Digital Education Students OERs Co-creators - Tutorials



In the UPT Virtual Campus


63 tutorials and Guides

40% partially created by students



Developing educators competences for open education





Augmented teaching through blended learning

ACADIGIA - Consortium

P. PORTO

Instituto Politécnico do
Porto



POLITÉCNICA

Universidad Politecnica
de Madrid



Università Politecnica
delle Marche



National Technical
University of Athens

INOVA+

INOVA+



Universitatea Politehnica
Timisoara



Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

Trinity College Dublin



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

The European Commission support for the production of this publication does not constitute an endorsement of the contents, which 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. (Project N°. 2020-1-PT01-KA226-HE-095042).



OE WEEK
2023

<https://acadigia.eu/>



Centrul de ID/IFR
și e-Learning

ACADIGIA - Objectives

Fostering synergies in 6 countries (Portugal, Spain, Italy, Greece, Romania and Ireland)

Accelerate the digital readiness of Polytechnic higher education institutions (new profiles of educators)

Towards the sustainable adoption of more online and blended approaches in education

ACADIGIA – DigCompEdu training handbook and course

Part B Structure

Integrating EU Digital

Education Frameworks

Digital education resources

Designing digitally enhanced learning and teaching

Designing digitally enhanced evaluation and assessment

Open education resources, tools, practices

UNI CAMPUS

My courses English (en)

Diana Andone

General

- > A0) Presentation
- > A1) Mentoring relationship process
- > A2) Collaborative partnership
- > A4) Constructive feedback and validation
- > B1) Integrating EU Digital Education Frameworks
- > B2) Digital Learning Resources

A4) Constructive feedback and validation Progress: 83%

Education Frameworks Progress: 83%

Resources Progress: 50%

B2) Digital Learning Resources

B2.Digital Learning Resources

To do: View

Digital Learning Resources information

Done: View

Your progress

B3) Designing Digitally Enhanced Learning And Teaching Progress: 50%

B4) Designing Digitally Enhanced Evaluation And Assessment

B5) Open Education Resources, Tools, Practices Educational Resources Progress: 0%

<https://acadigia.eu>

<https://unicampus.ro/cursuri/course/view.php?id=194>

Open Digital Competences Training for School Educators

Erasmus + Strategic Partnership project **OpenDigCompEdu - Open Digital Competences Training for School Educators (2021 – 2024)**

<https://opendigcompedu.eu/>



Open Digital Competences Training for School Educators

Partners

Moodle Spain technologies S.L. - Spain



Dept. of Education of the Generalitat of Catalonia - Spain (GENCAT-ED)



Politehnica University of Timisoara - Romania (UPT)



Timis County School Inspectorate - Romania (ISJTM)



University of Piraeus Research Center - Greece (UPRC)



University Computing Centre of University of Zagreb - Croatia (SRCE)



eFaktor - Norway



Open Digital Competences Training for School Educators



Aims to:

Accelerate the digital competences of educators in school education from Spain, Romania, Croatia, Greece and Norway towards the sustainable adoption of more online and blended approaches in education through the use of **open educational technologies and open education principles**.

<https://www.opendigcompedu.eu/>



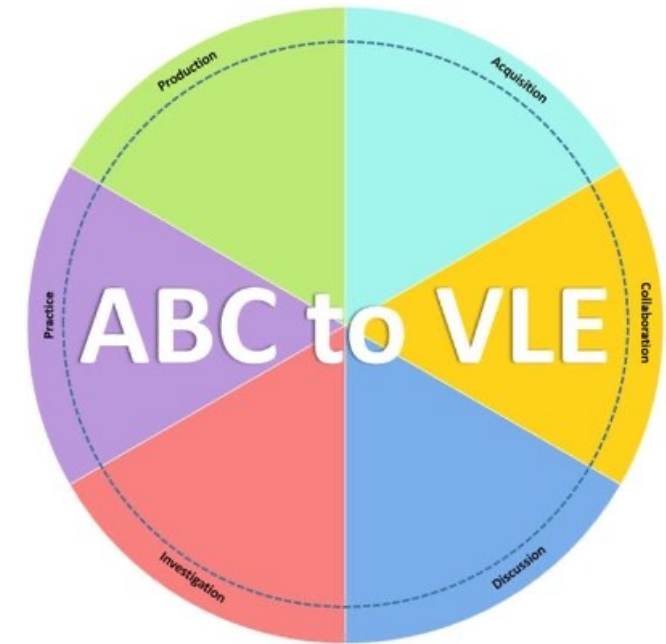
Open Digital Competences Training for School Educators

Open digital skills

6 courses

Based on ABCtoLD learning design methodology

1. Learn Moodle Basics,
2. **Teaching with Open Digital tools,**
3. New Assessment models,
4. **Open Digital Education Eco-system,**
5. **Diversity & Inclusion in Education,**
6. **Climate Change in Education (environmental courses).**



Open Digital Competences Training for School Educators

The image displays two screenshots of the Moodle Academy website interface. The left screenshot shows the course "Co-Create Courses with ABC Learning Design" with a sidebar menu and a main content area. The right screenshot shows the course "Teaching with Open Digital Tools" with a similar layout. Both screenshots include navigation menus, course descriptions, and lists of activities like forums, books, and quizzes.

Politehnica University of Timisoara Open resources and events

<https://elearning.upt.ro/en/open/>

Română English The Politehnica University of Timișoara Faculties Departments

Centrul ID/IFR și e-Learning

Home Start About CeL Who we are Education Distance Education Digital Education Transformation Innovation Research Community We get involved

Open HOME

The vision of the Polytechnic University of Timișoara is to become a top university by entering Top 500 World Universities. To achieve this goal, UPT has proposed, among other things, and integration of information technologies in education and open educational resources OER and MOOC (Massive Open Online Courses) in the teaching process.

In recent years, ID/IFR and e-Learning Center organized, annually, a series of workshops with a theme centered around open educational resources. They have been organized since 2014 and until now, within Open Education Week, in collaboration with EDEN (European Distance and E-Learning Network).

The workshops thematic reunited hundreds of international speakers, which have presented, over the years, the latest research results from the international community in open educational resources - (Open Education Resources), as well as examples of good user practice and integration a OERs and MOOCs in university and pre-university education, with case studies at European and global level.

In this section, all the papers presented by hundreds of international speakers, the recording of editions of the OEW and a variety of open educational resources that can be made available to both teachers and students have been made available to both teachers and students. integrated into the online learning process.

Watch NOW the LIVE recordings of the Open Education Week editions, accessing the following playlist:

No comments yet. Be the first!

Contact

Dr. Diana Andone

Director

e-Learning Center

Politehnica University of
Timisoara

Romania

Email: diana.andone@upt.ro

Elearning.upt.ro/diana.andone

@diando70

EDEN Fellow 2011, Senior Fellow 2021
EDEN Vice-president (2017-2021)
IEEE Romania Education Chair
IEEE Education Board of Governors
IEEE Computer Society, TCLT Open Chair
IEEE Education and Women in Engineering
EUA Digital Transformation Committee

Elearning.upt.ro

cv.upt.ro

Unicampus.ro

