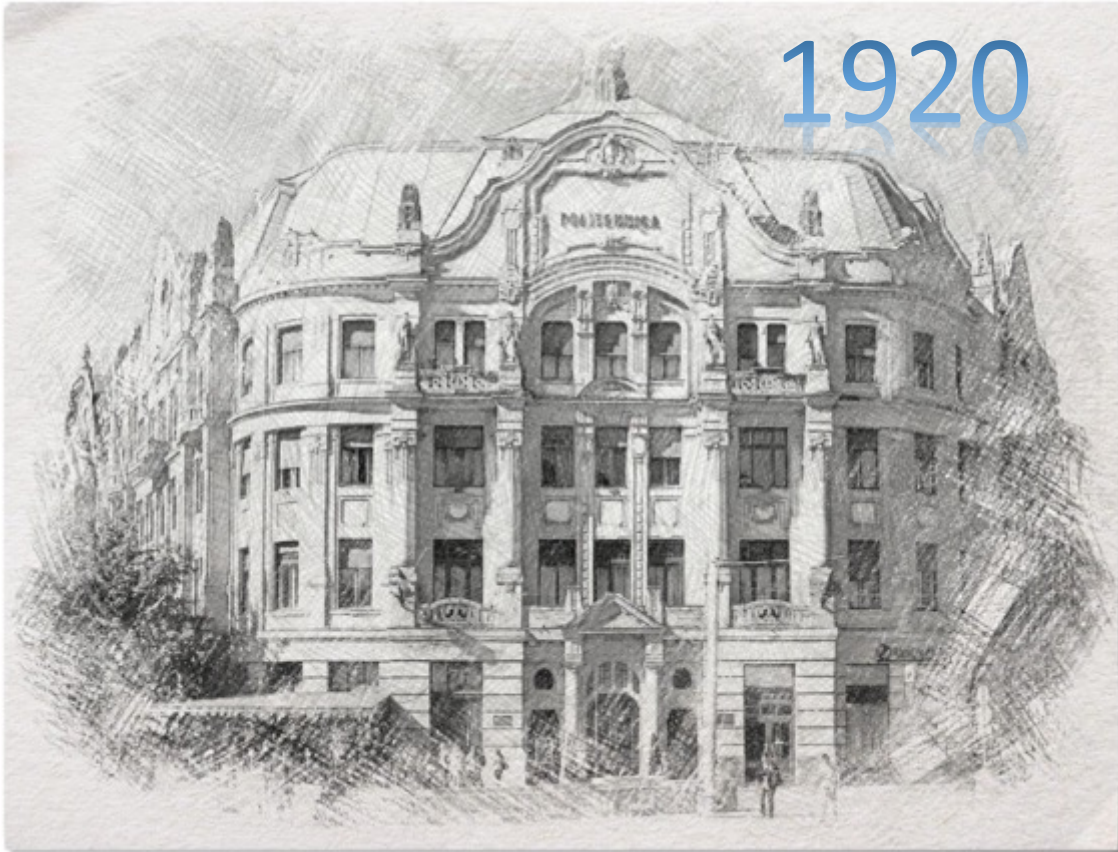# Open education principles and co-creation for digital competences

Dr. eng. Diana ANDONE

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Politehnica University of Timisoara, Romania

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

Students OERs Co-creators - Assignments

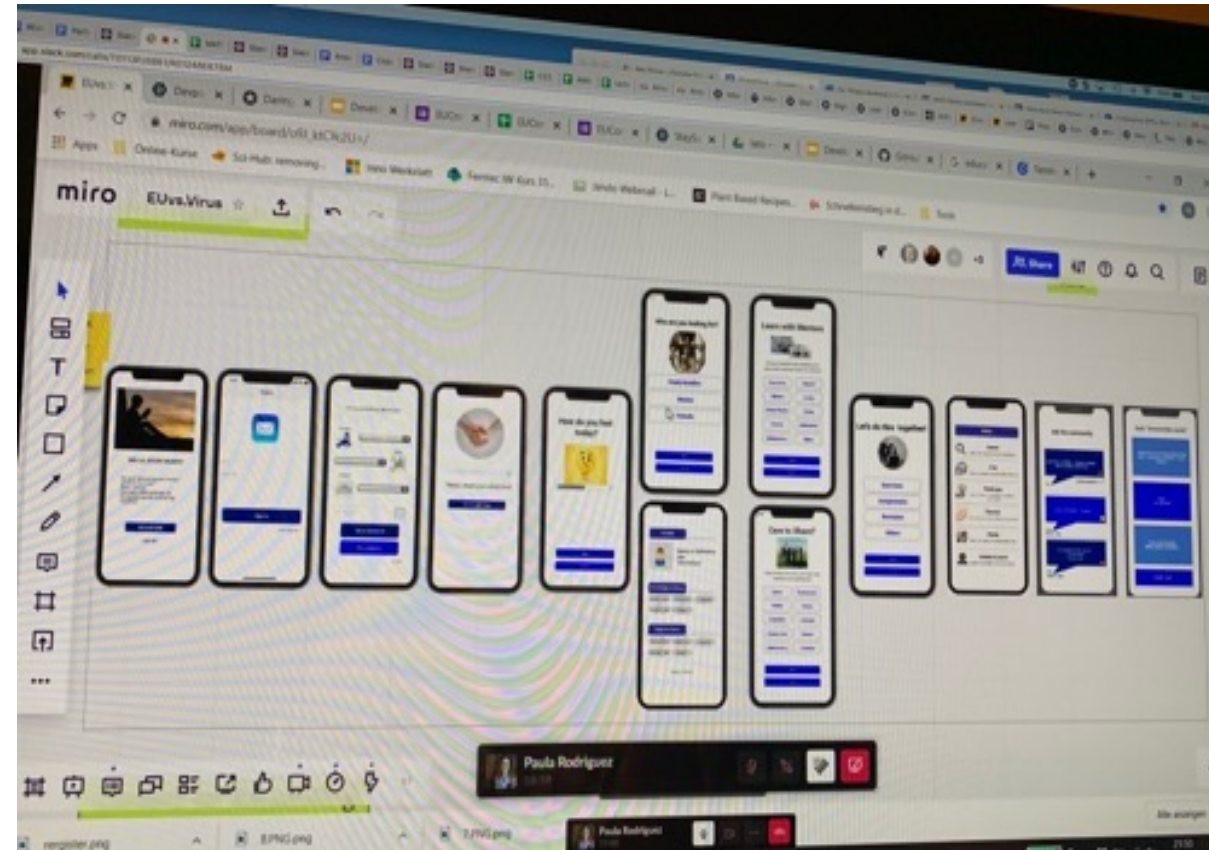**Transforming renewable assignments into OER**

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

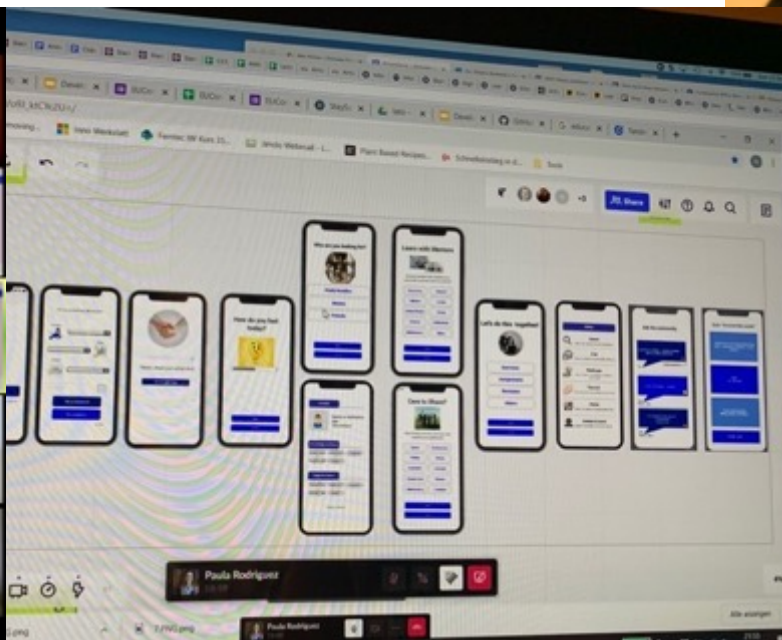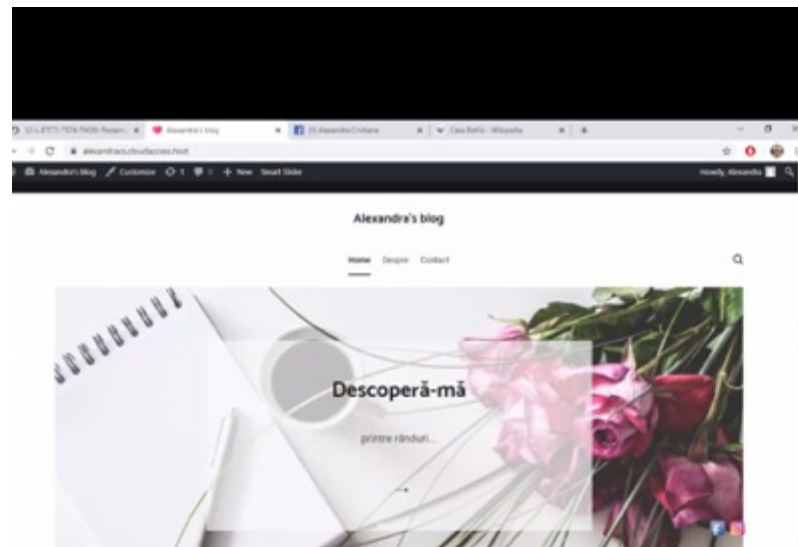Publish - CC - inside university, public, evaluation (grade, badges, etc)

Students Co-creators – Assignments - OERs

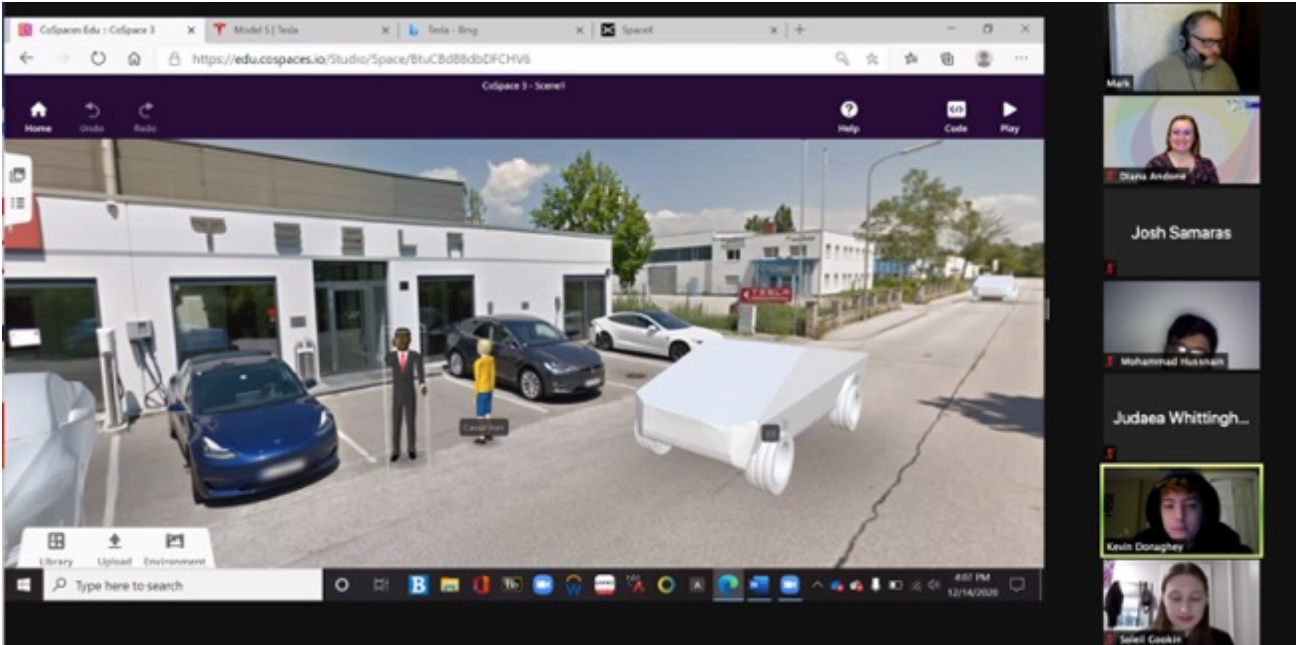**Students learn**

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
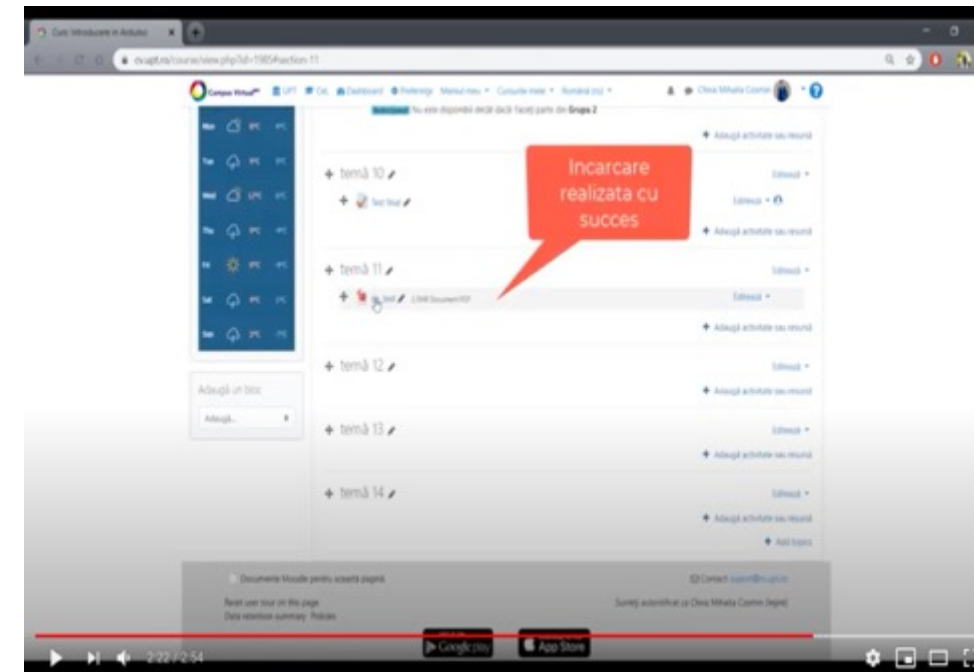Public presentations
Newsletter, Social media

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

acadigia
Puts the digital in academia

Augmented teaching through blended learning

https://acadigia.eu/

ACADIGIA - Consortium

Instituto Politécnico do Porto

Universidad Politecnica de Madrid

Università Politecnica delle Marche

National Technical University of Athens

INOVA+

Universitatea Politehnica Timisoara

Trinity College Dublin

OEWEEK 2023

https://acadigia.eu/

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

OEWEEK 2023

Centrul de ID/IFR şi e-Learning

https://acadigia.eu/

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

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.
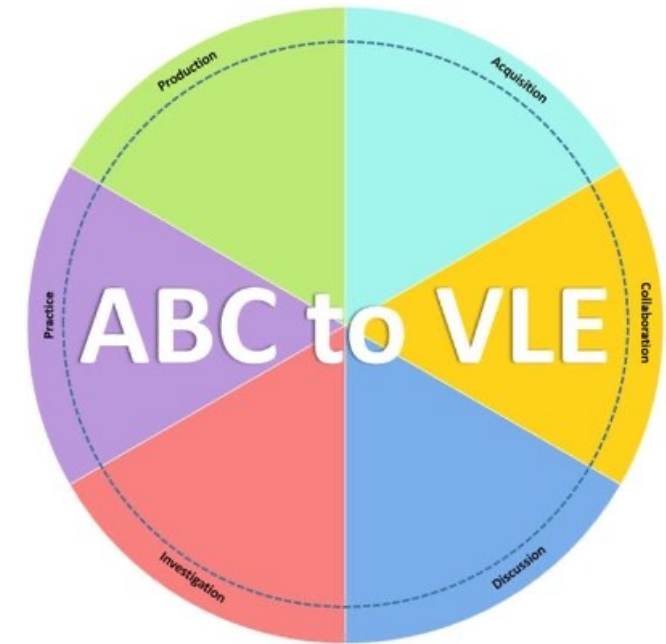
https://www.opendigcompedu.eu/

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).**

https://moodle.academy/

Open Digital Competences Training for School Educators

https://moodle.academy/

Politehnica University of Timisoara Open resources and events

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

Contact

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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
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