Tranformarea digitală a educației în contextul dezvoltării aliațelor de Universități Europene

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Centrul de ID/IFR
și eLearning

1998 - 2018

Smart Diaspora 2023

Focus question…

"How do you build an enabling institutional strategy and culture to harness the benefits and opportunities of new digitally enhanced models of learning and teaching?"

DIGI HE

eua EUROPEAN UNIVERSITY ASSOCIATION

Background…

https://eua.eu/101-projects/772-digi-he.html

Centrul de ID/IFR și e-Learning

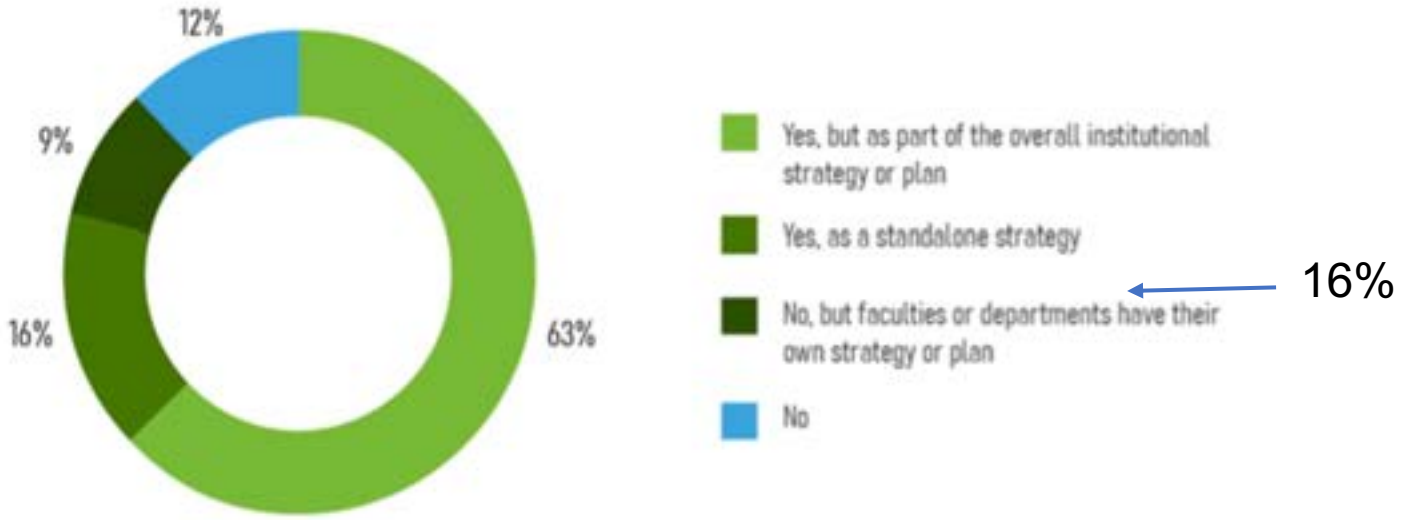
Background…

https://eua.eu/101-projects/772-digi-he.html

Institutional strategies for the digitalisation of learning and teaching

SURVEY REPORT

Digitally enhanced learning and teaching in European higher education institutions



16%

Q7: Does your institution have a strategy for the digitalisation of learning and teaching?

n=360

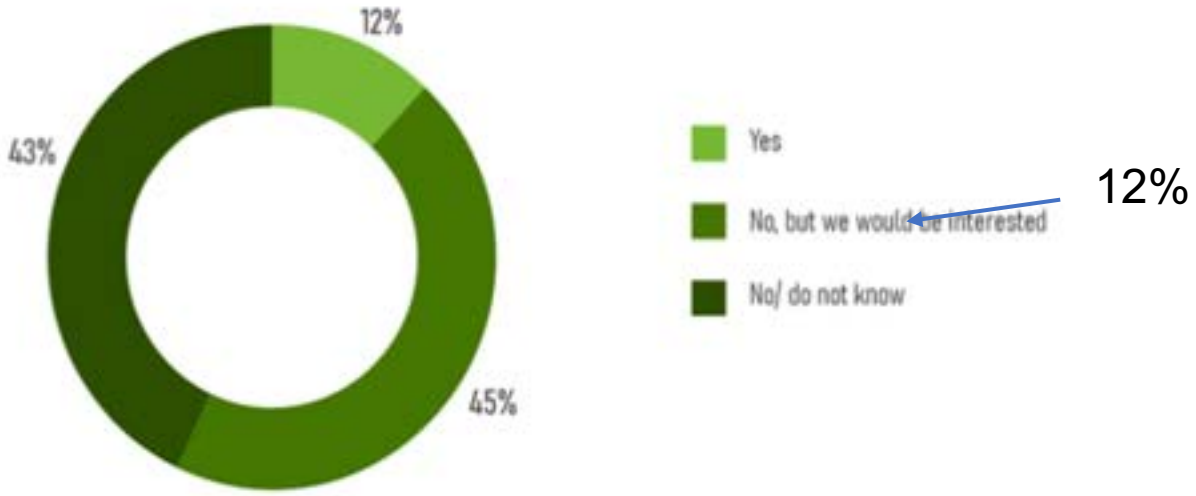
Background…

https://eua.eu/101-projects/772-digi-he.html

Use of self-assessment and/or benchmarking tools for digitalisation

SURVEY REPORT

Digitally enhanced learning and teaching in European higher education institutions



12%

Q17: Has your institution used any self-assessment and/or benchmarking tools for digitalisation?

n=367

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Background…

Figure 8 Example of radar diagram CoL Benchmarking Toolkit for Technology-Enabled Learning

E-XCELLENCE in e-learning QA ASSOCIATES IN QUALITY

[embed] European Maturity Model for Blended Education

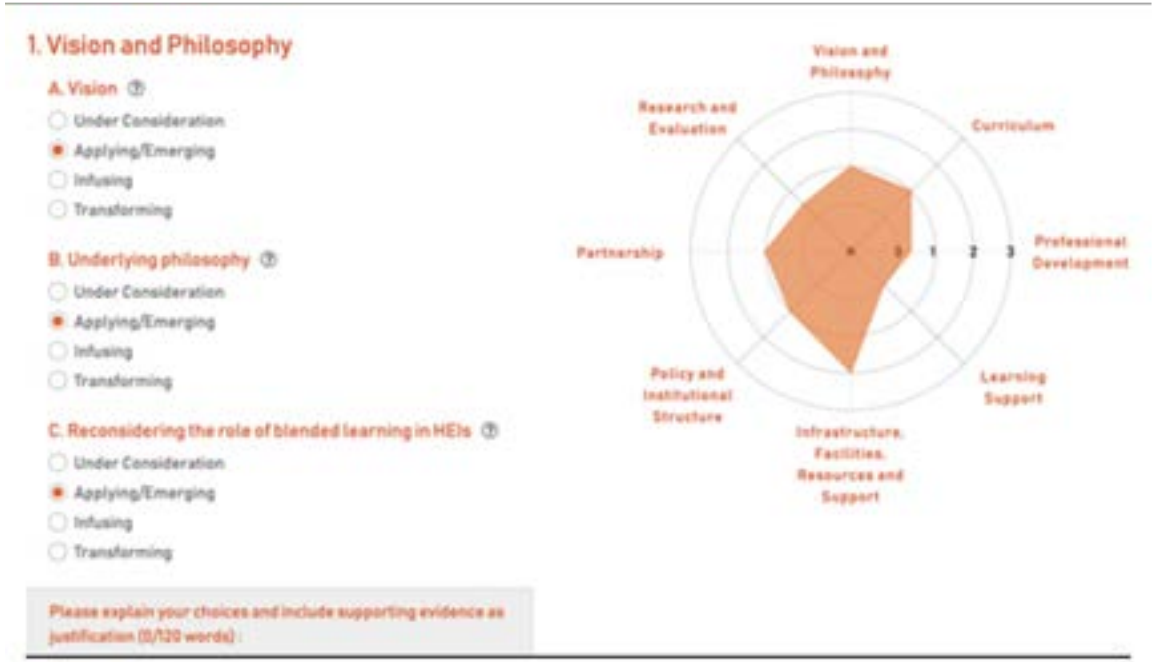

Figure 7 Example of UNESCO Blended Learning Self-Assessment Tool

Figure 2 The different elements of DigCompOrg framework

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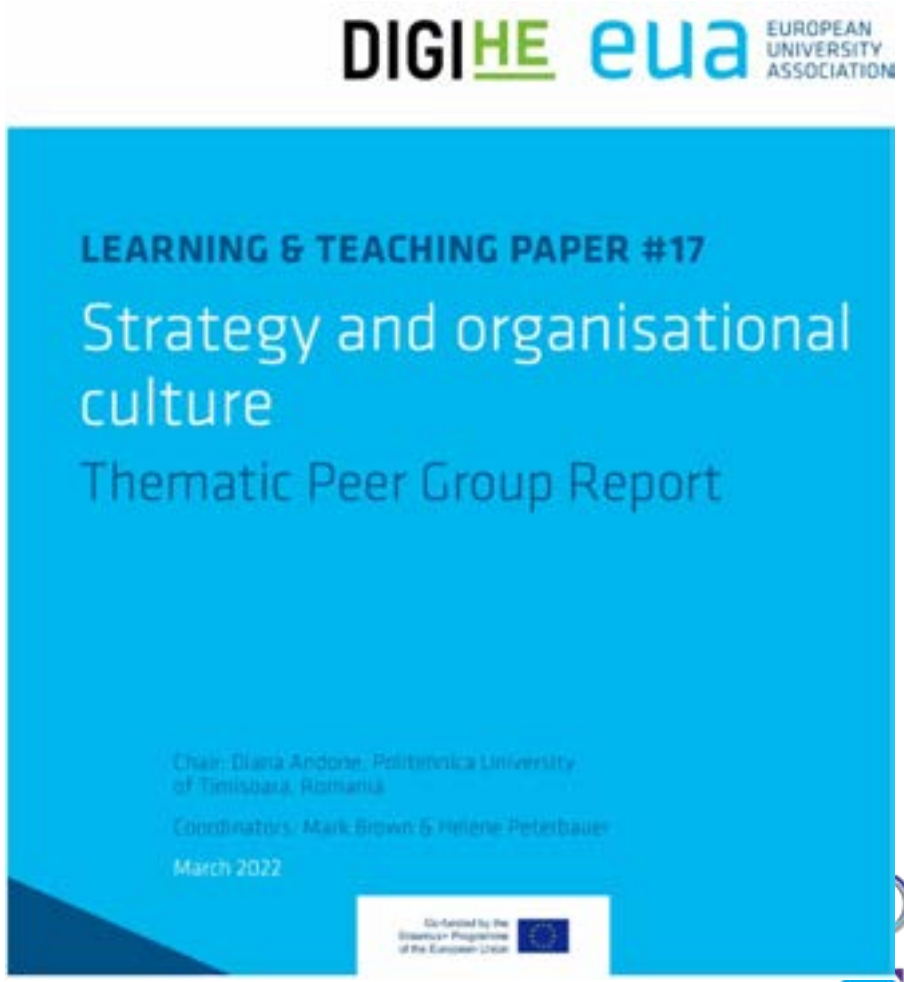
Strategy and Organisational Culture:

Learning & Teaching Thematic Peer Group

https://eua.eu/resources/publications/1010:strategy-and-organisational-culture-group-report.html



Developing an institutional strategy

Developing a framework

https://eua.eu/resources/publications/1010:strategy-and-organisational-culture-group-report.html

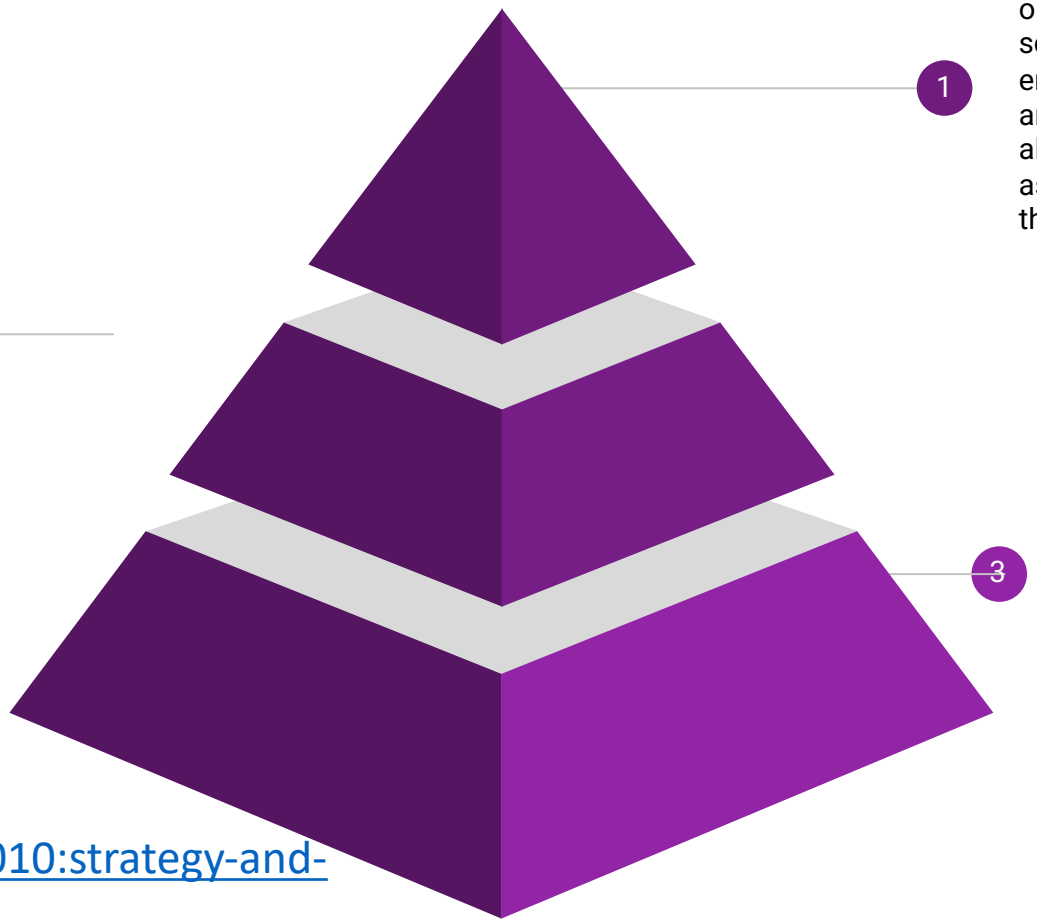
Developing an institutional strategy

Vision, Leadership and Governance

Understanding that collaboration is crucial

Digital transformation can take many different forms (digitisation, digitalisation, digital ecosystem) and implies a commitment to institutional change

Collaboration is important to build shared ownership of the priorities



Fostering digital transformation

In building up a DELT strategy, base policies or governance on the different forms and scales of digital transformation, on empowering collaboration with openness and shared ambition and on encouraging alignment of the institution's quality assurance framework and benchmarks with the planned digital transformation.

Recognising that change does not follow a straight line

periodic readjustment of the institutional strategy

leaders and ambassadors for change

quality assurance framework

https://eua.eu/resources/publications/1010:strategy-and-organisational-culture-group-report.html

Translating strategy into action Challenges

Vision, leadership and governance

- Establishing the current state of practice, how to develop the right type of strategy and rethink teaching approaches for best practices
- Promoting leadership, quality assurance and self assessment
- Defying delivery modes and exploring partnerships
- Ensuring quality and revising the quality assurance framework to support new models

Developing an institutional strategy

How to bring everything together?

The process of how an institutional strategy is developed is just as important as the strategy itself

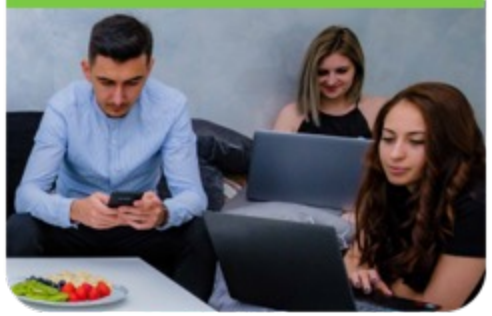
Digitisation → Digitalisation → Digital Transformation

Campus Virtual[UPT]

Digital Tools
(creating, using)
Core
Content
Skills

Digital Education
Eco-system

Collaboration
Co-creators



Academic
Culture changes

Learning
transformation

Together
Online

Early Adopters → Enablers → Digital leaders

UPT Digital Education

Centrul de ID/IFR și e-Learning

Developing an institutional strategy

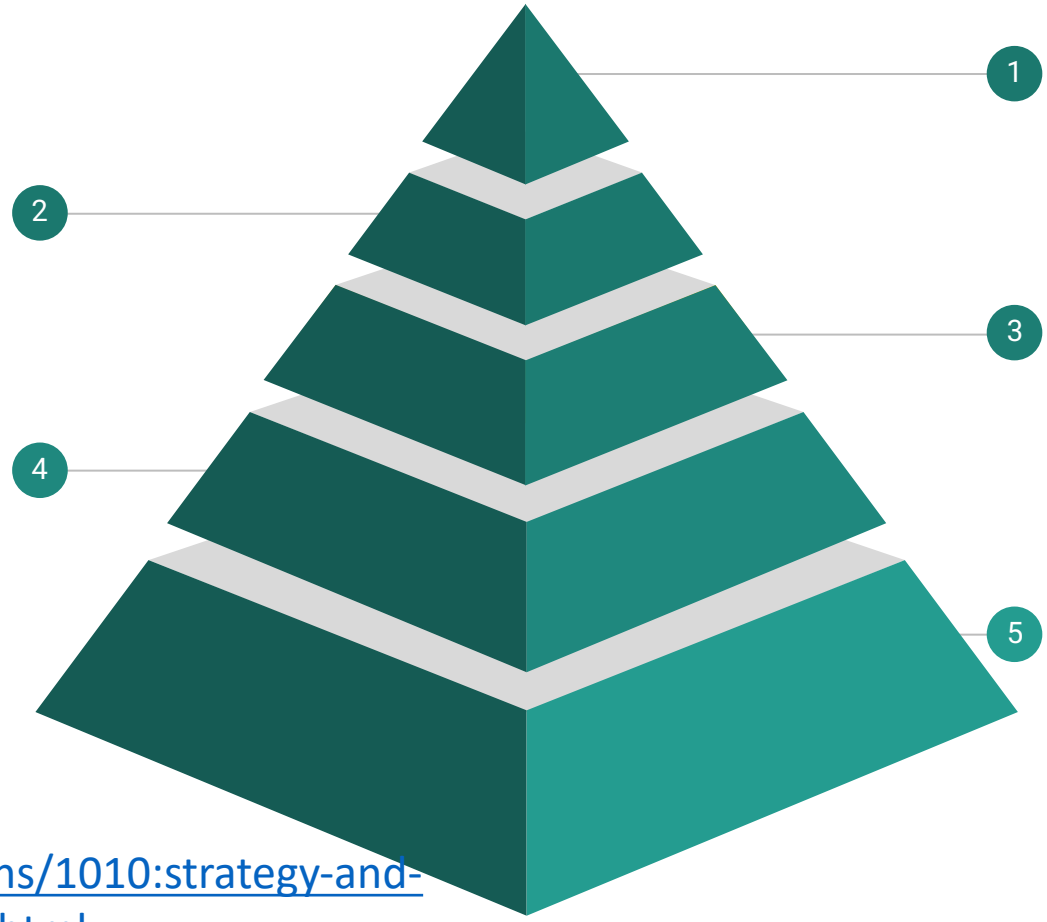
People, Community and Stakeholders

Students

Flexibility, to switch between in-person and online modes, personalisation and opportunities, inclusion and equality of access
student-led learning and co-creation

Communities

Digital communities of practice are wielding the power of the collective, gaining traction from a range of players: from the early adopters to the transformative leaders that are co-creating the digital strategies within and beyond their institutions.



Educators

Training opportunities, constant support, validation of educators' digital skills, communities of practice, support of innovative initiatives and explicit dissemination of good practices, impactful professional development culture, building a community

Stakeholders

active engagement, participation of external and internal stakeholders needs to be built into the culture of the institution, co-design strategies following collaborative processes

Self-assessment & institutional community

Undertake an audit or self-assessment of the current situation in your institution to identify the gaps and strategic priorities for development over the next five years; involve educators, students and stakeholders in the process and consider the impact on the institutional community in the planning of development measures.

https://eua.eu/resources/publications/1010:strategy-and-organisational-culture-group-report.html

Translating strategy into action Challenges

People, community and stakeholders

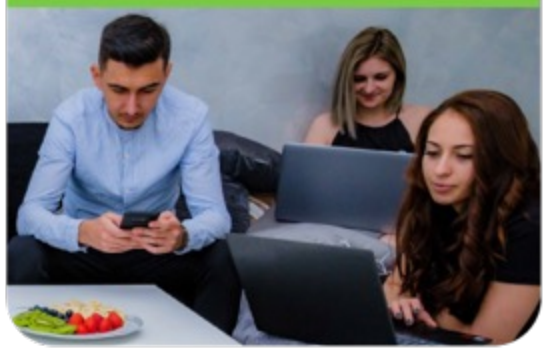
- Promoting a mindset shift amongst teachers and administrators and transforming assessment practices
- Developing support for teacher and students
  Increasing continuous professional development
- Increasing flexibility and more authentic and relevant assessment models
- Promoting shared ownership of developments towards digital transformation
- Developing a community of practice, growth mindsets and shared ownership
  Supporting students and mapping the study lifecycle

Digitalisation

Digital Education Eco-system

Collaboration

Co-creators



Enablers

Digitalisation

Digital Education Eco-system

Collaboration

Co-creators

Collaboration

Virtual mobilities

Developing an institutional strategy

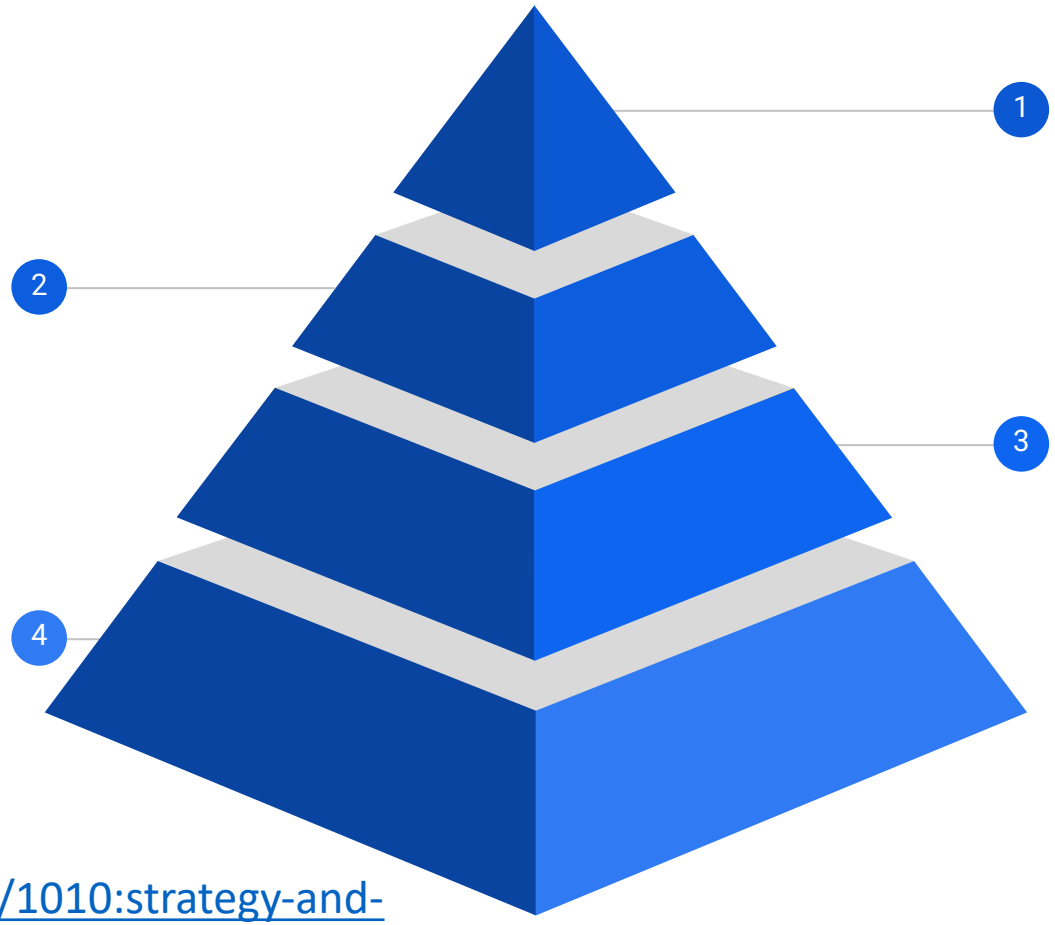
Tools, Spaces and Resources

Digital architecture and ecosystem

Define the digital ecosystem
Devising an institution-wide digital framework
integrating mobile and cloud technology and investing in continuous training and support
focus on data management

Scaling learning spaces

Digital and physical environment
Building on existing tools and resources
Venues should be adapted or created for HyFlex education
group work and collaborative, community spaces



Open education

Sustainable digital ecosystems
Creation of platforms for exchange
Students as co-creators
Collaboration inside and between institutions

Plan & structure for blended learning

Scale up the institution's infrastructure for seamless digital, virtual and physical spaces, including tools and a culture of open education.

https://eua.eu/resources/publications/1010:strategy-and-organisational-culture-group-report.html

Translating strategy into action Challenges

Tools, spaces and resources

Developing and integrating digital infrastructures

Adapting physical spaces

digital education ecosystem consists of a diverse range of macro, meso and micro-layers.

Developing an institutional strategy

How to bring everything together?

The process of how an institutional strategy is developed is just as important as the strategy itself

Digitisation

Early Adopters

Digitisation

Core

UPT Virtual Campus (Unique Access point)

UniCampus - MOOCs courses

Training & Support

UPT Virtual Campus (Unique Access point) – Customised, scalable

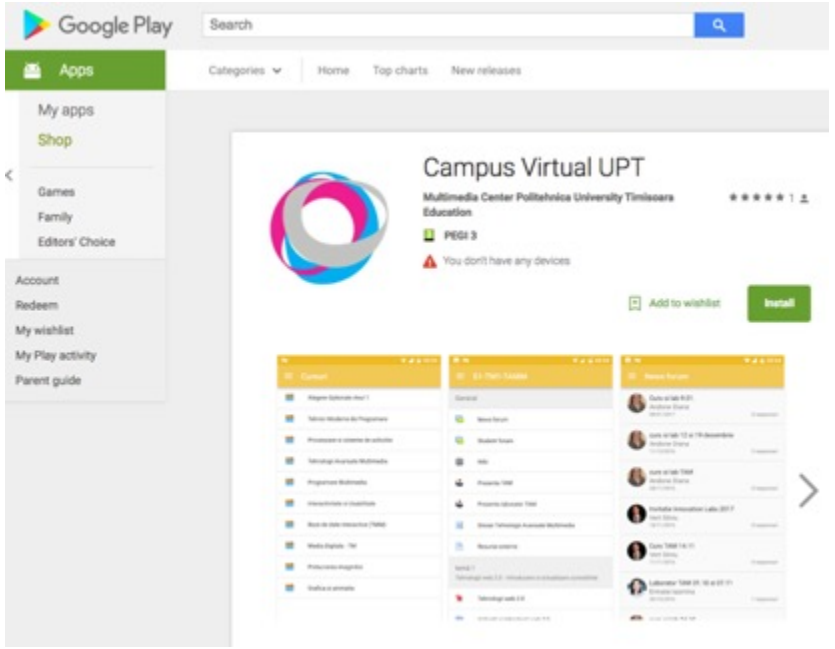
- **Moodle 3.9.2**
  - **•476 plugins**
  - **•71 developed by UPT**
  - **•26 since March 2020**

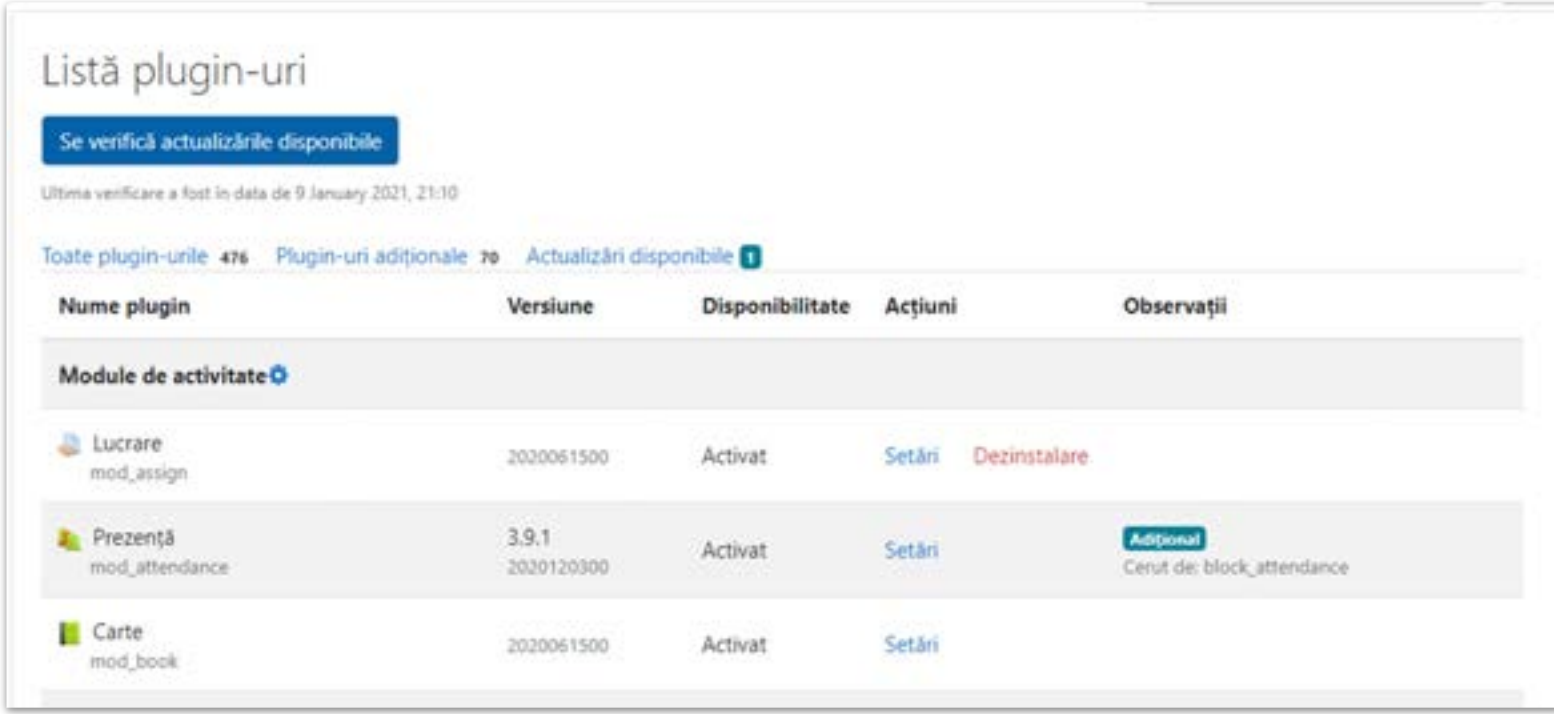
Since 2008 – open-source Moodle, customised and upgraded

Since 2015 - Mobile app CVUPT

Closed platform only for UPT students and professors

https://cv.upt.ro/





Virtual Campus in 2021

The evolution of the UPT Virtual Campus

eLearning Centre

Universitatea Politehnica Timișoara 1920 2020

28.300+ tasks

101.100+ resources and activities created

299.700+ uploaded homework

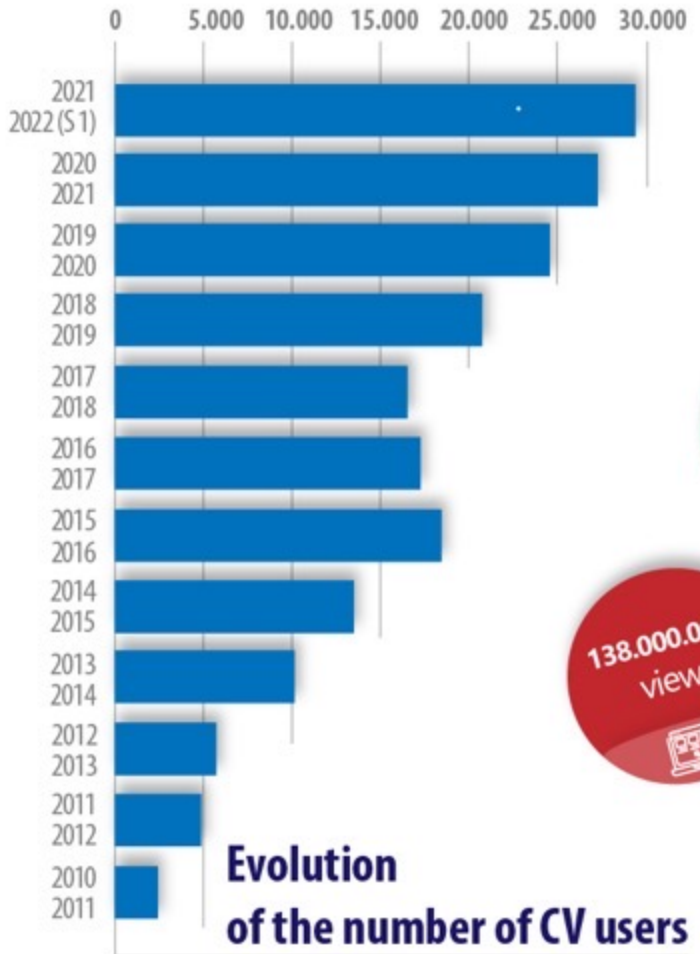
142+ mil interactions

17.100+ students

1190+ teachers

2021

Number of students / teachers



Evolution of the number of CV users 2010 - 2021

104.745 meetings

68 webinars

UPT **Zoom** Channel

13.058 participants

779 active users

23.700+ Zoom sessions

Moodle 3.11.3

138.000.000+ views

2.200+ iOS installations

6.600+ Android installations

Campus Virtual UPT

cv.upt.ro

Campus Virtual in 2022

eLearning Centre

Universitatea Politehnica Timișoara

Evolution of Virtual Campus UPT

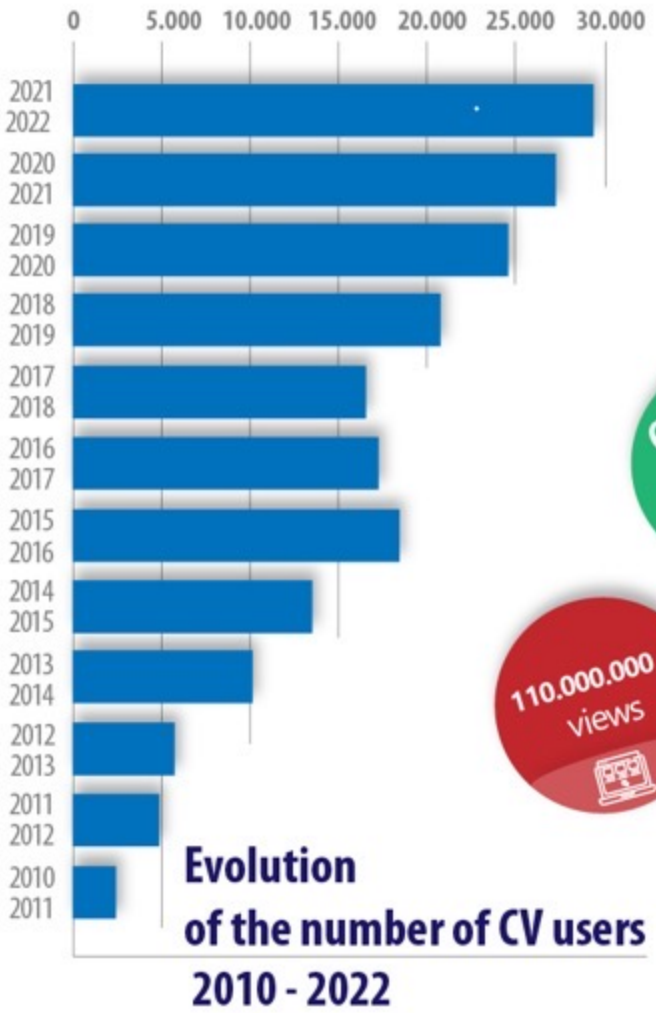
28.270+ tasks

55.000+ resources and activities created

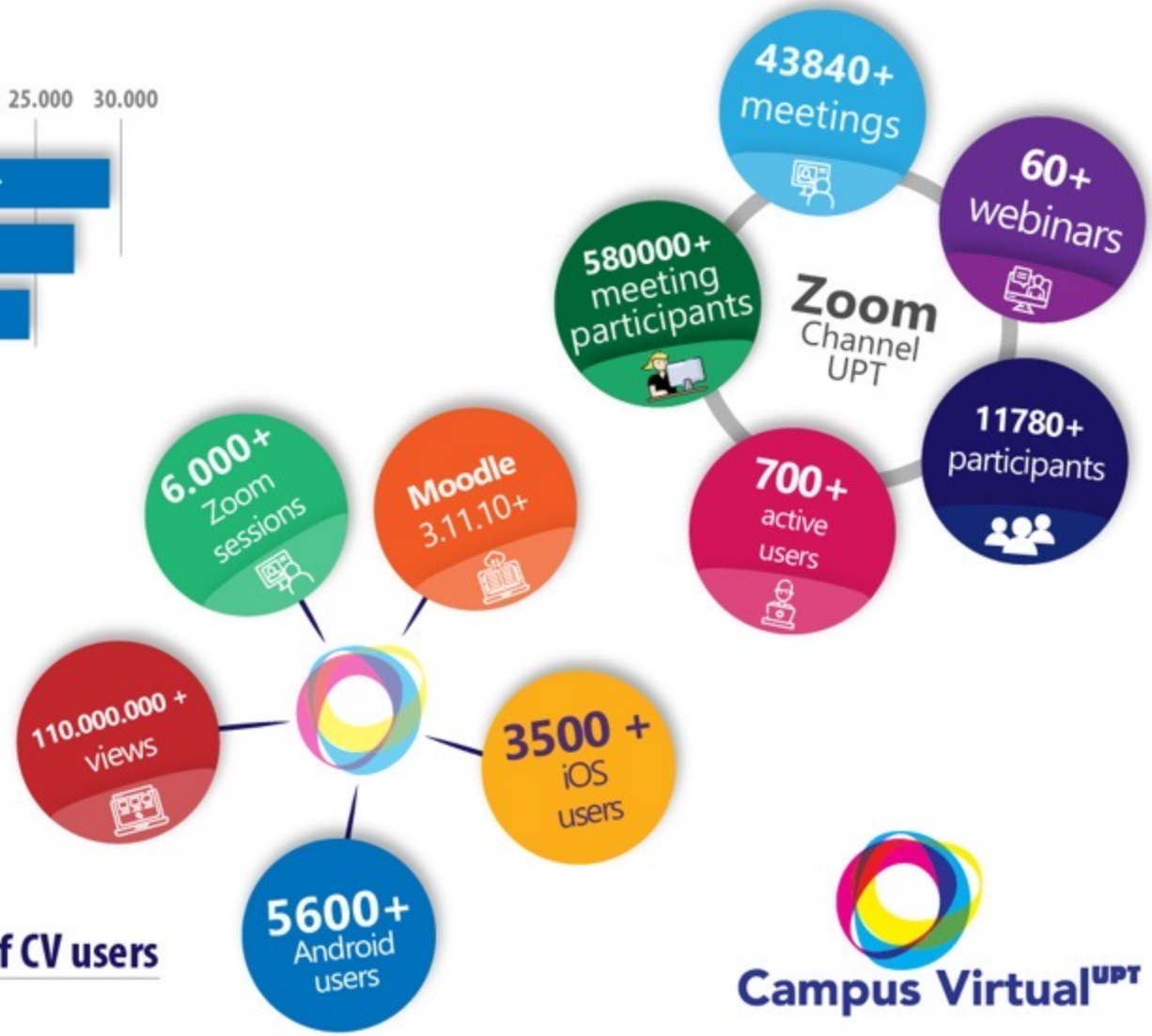
168.000+ uploaded homework

110+ mil interactions

18.500+ active users on CVUPT



Evolution of the number of CV users 2010 - 2022



Campus Virtual[UPT]

cv.upt.ro

Developing educators competences

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MODE-IT Project partners

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

www.mode-it.eu

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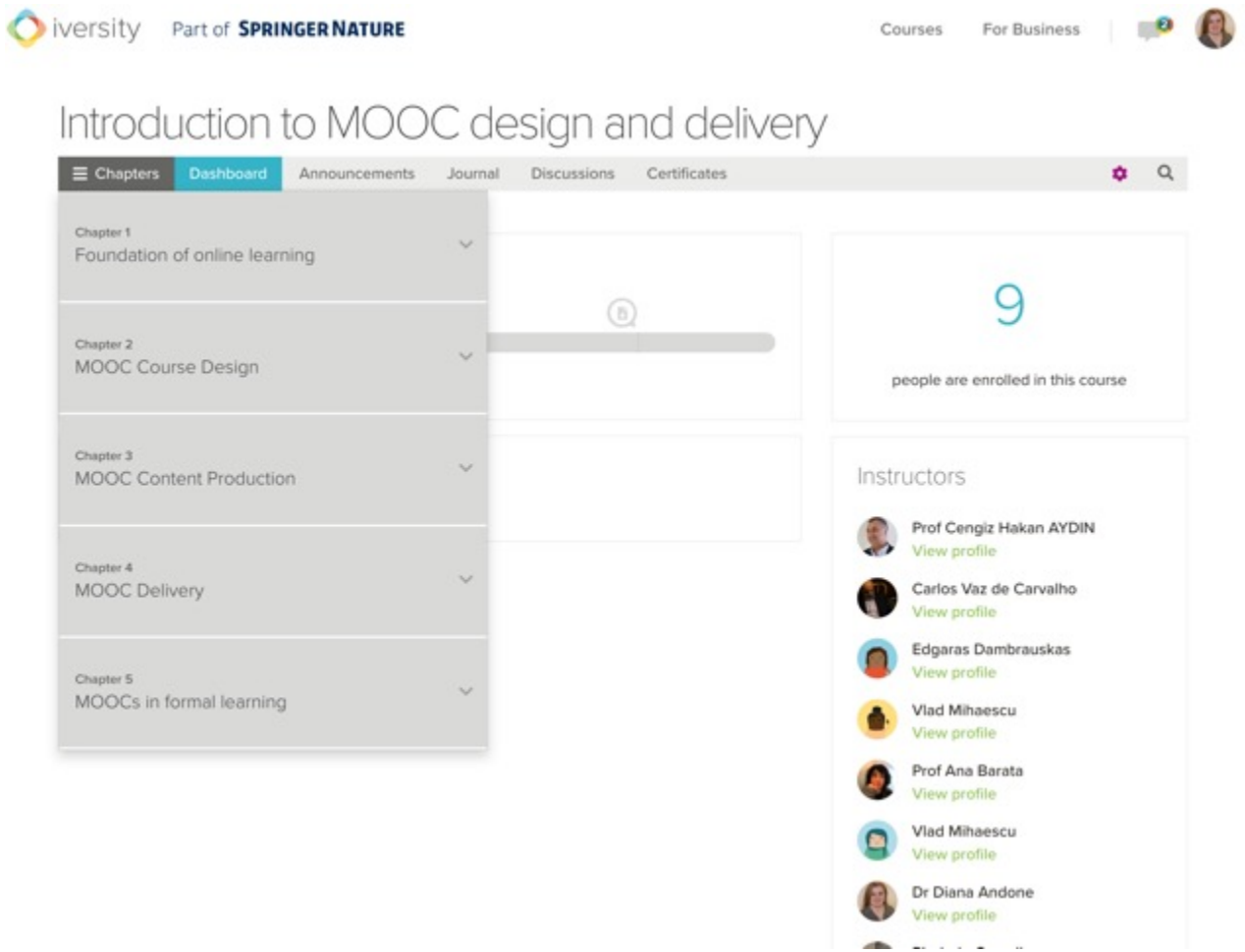
MODE-IT online training program



composed of 5 learning modules

1. Foundation of online learning;
2. MOOC course design;
3. MOOC content production;
4. MOOC delivery;
5. MOOC in formal learning.

https://iversity.org/en/my/courses/introduction-to-mooc-design-and-delivery

www.mode-it.eu

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

MODE-IT online training program

125 participants Only partner universities

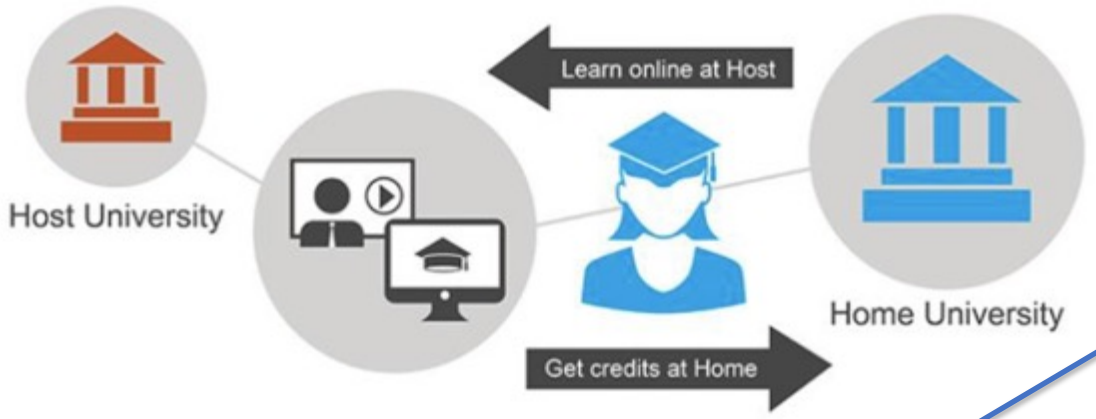
Evaluated

https://open.ktu.edu/.

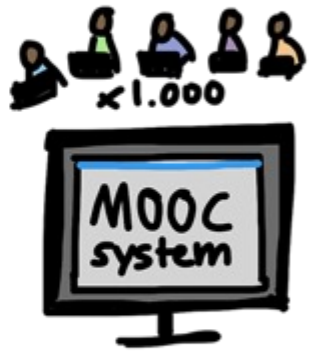
www.mode-it.eu

Virtual Mobility vs. Open Education?

Open Virtual Mobility



Organisational initiative ⟷ Individual initiative



Open Virtual Mobility

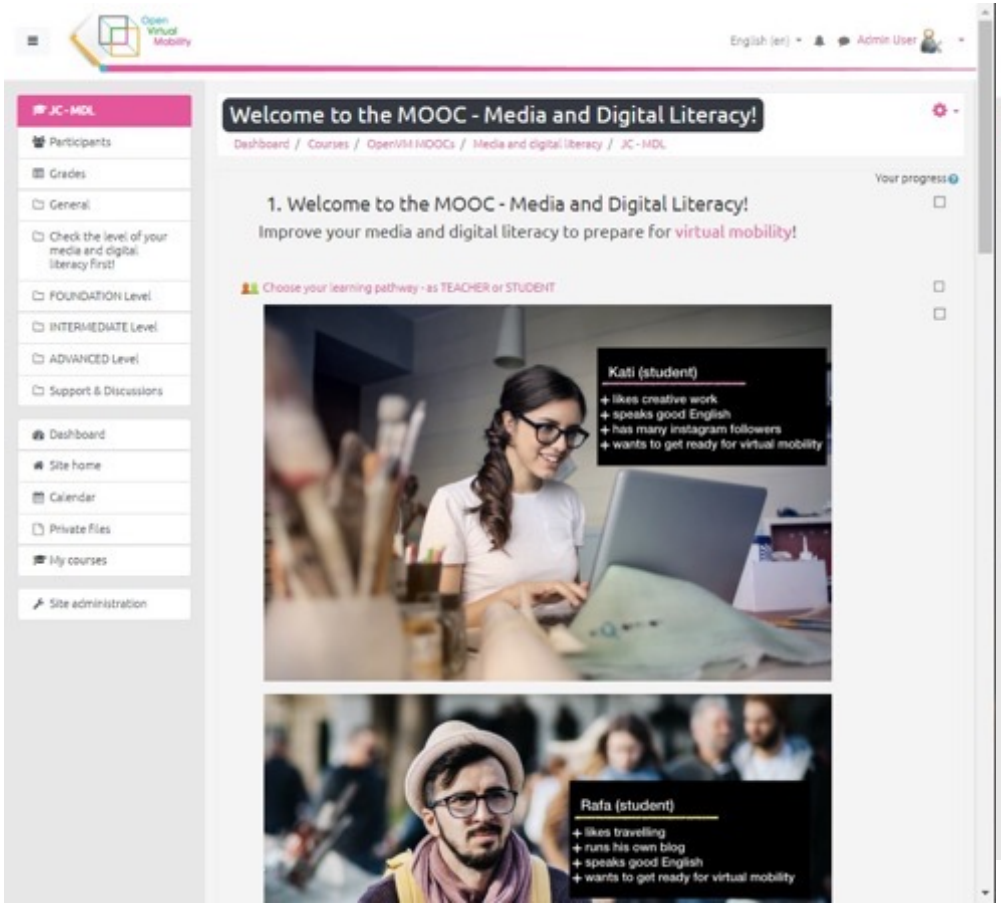
Erasmus+

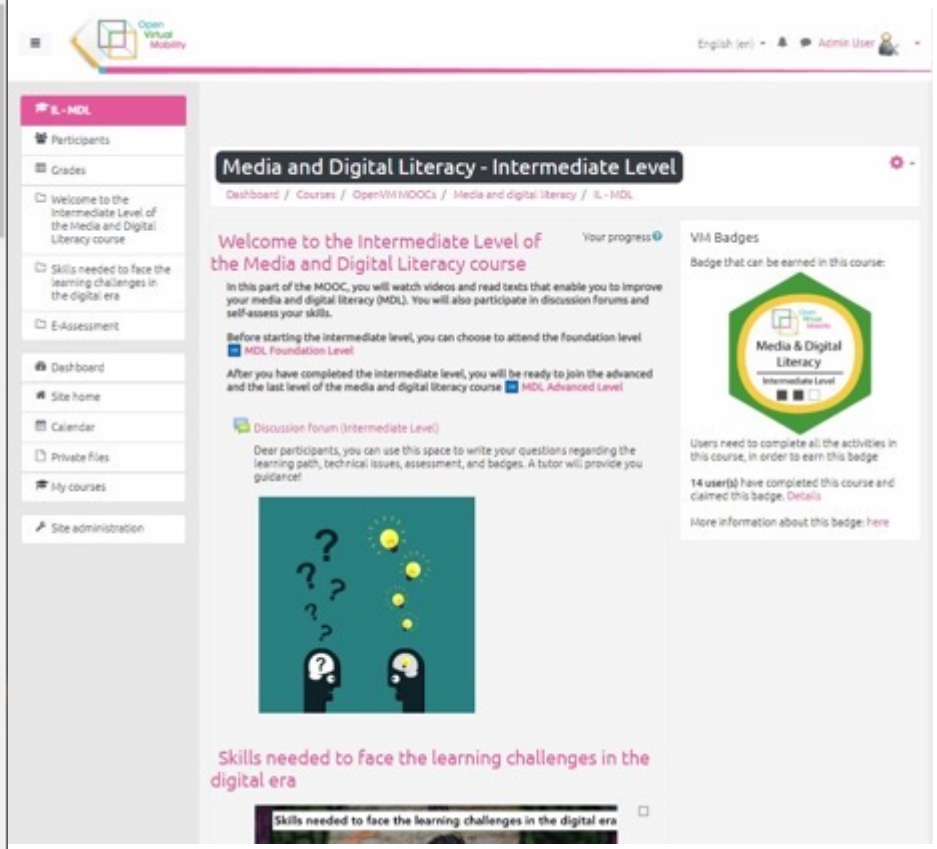
Centrul de ID/IFR și e-Learning

Open Virtual Mobility

Course implementation

24 courses to get ready for Virtual mobilities





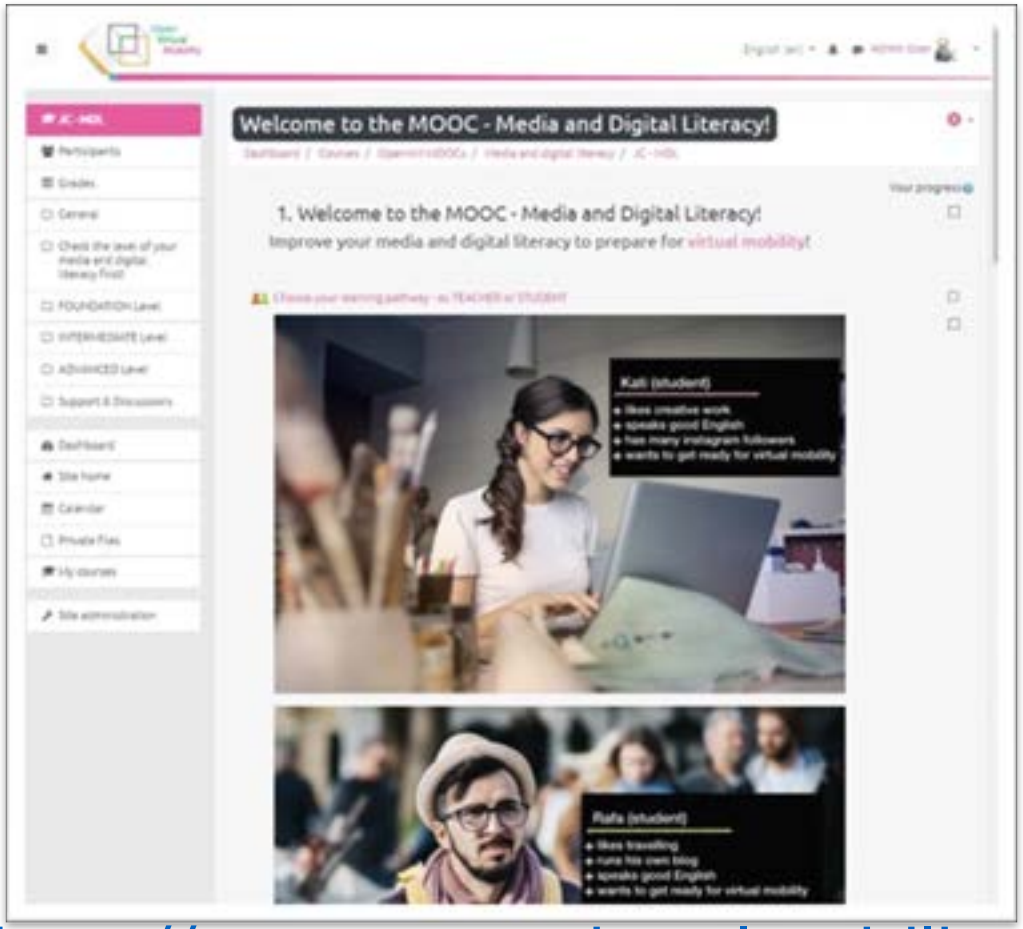
http://www.openvirtualmobility.eu

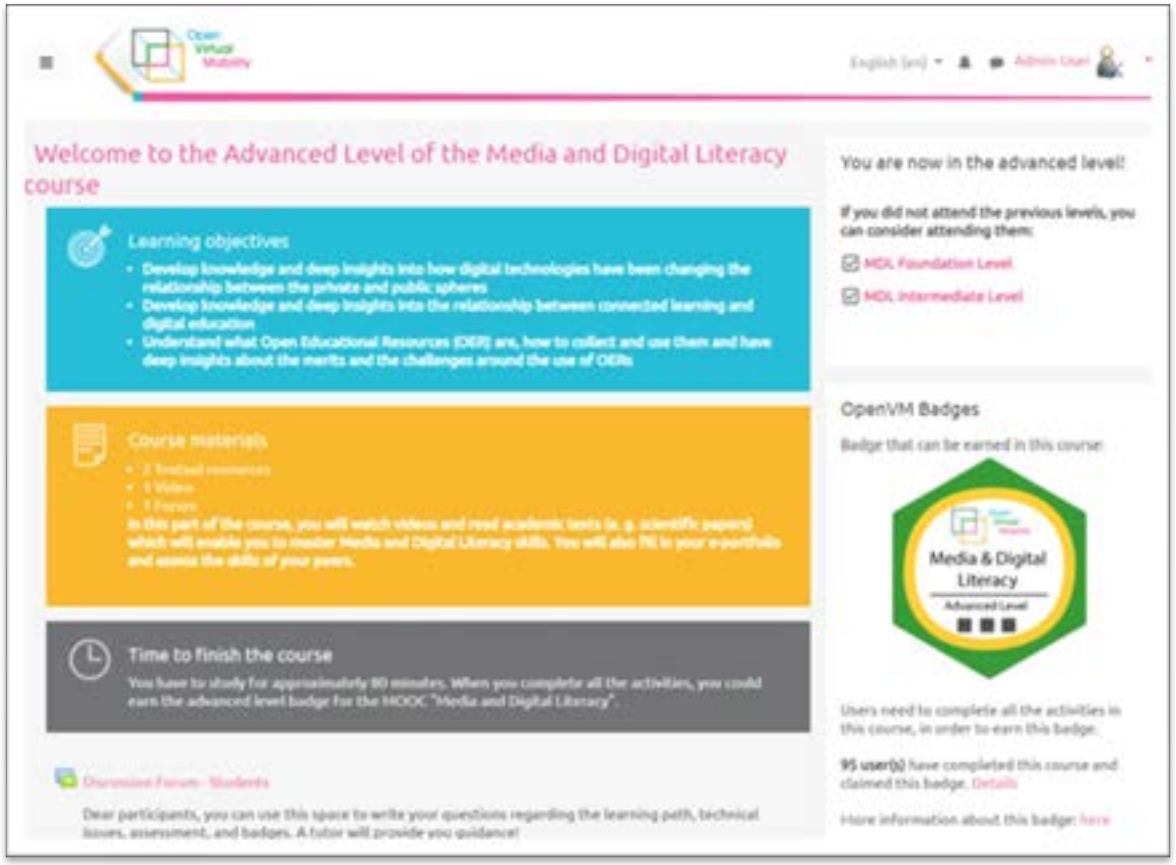
Open Virtual Mobility

Erasmus+

Centrul de ID/IFR și e-Learning

Open Virtual Mobility Learning HUB – 24 courses in EN





http://www.openvirtualmobility.eu

Moodle based

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Open Virtual Mobility

Open Credentials to recognise virtual mobility skills
Opening the skill recognition!

http://www.openvirtualmobility.eu

Open Virtual Mobility
Erasmus+
Centrul de ID/IFR și e-Learning

acadigia

Puts the digital in academia

Augmented teaching through blended learning

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

https://acadigia.eu/

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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

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https://acadigia.eu/

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ACADIGIA - Tools

Skype	Cisco Webex
Google Classroom	Jupyter Notebook
Zoom	Blackboard
Microsoft Teams	Digital Whiteboard
Kahoot	MS Forums
Moodle	Kaltura

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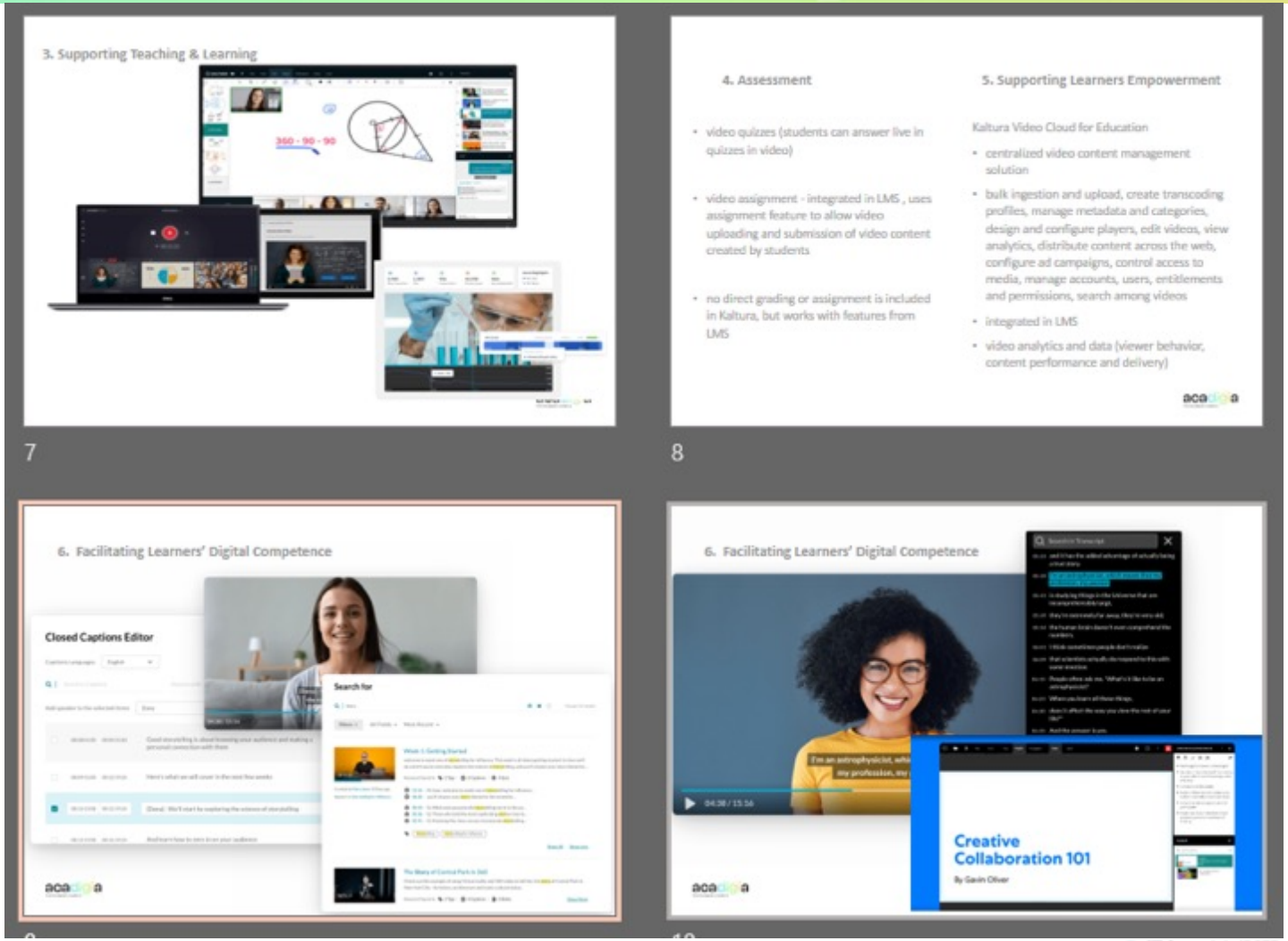
ACADIGIA – Tools analysis

For each tool:

- a report
- Demo video
- Tutorial based on practical experience

- Online
- print



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ACADIGIA – DigCompEdu training handbook and course

Part B Structure

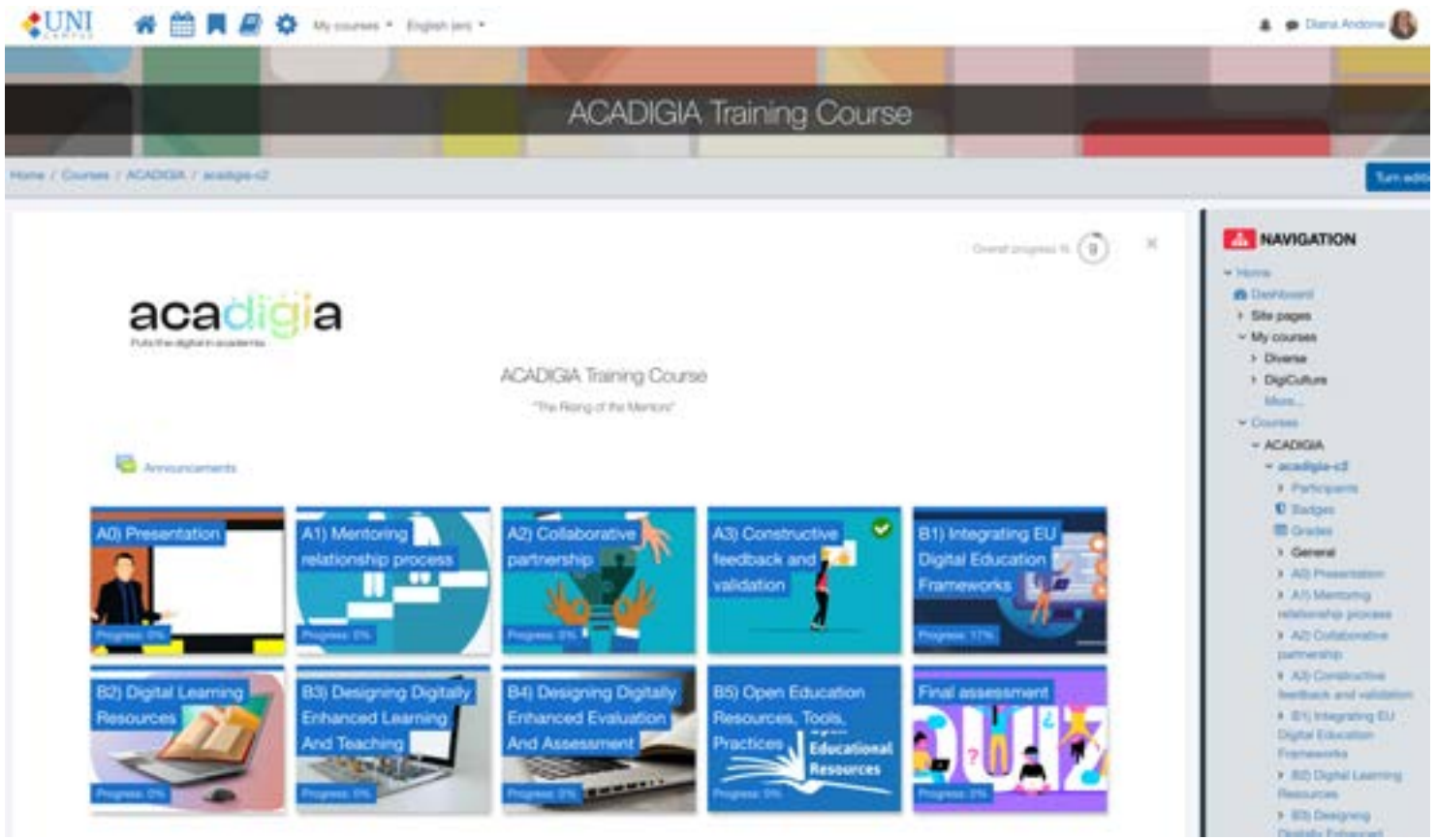
Integrating EU Digital Education Frameworks

Digital education resources

Designing digitally enhanced learning and teaching

Designing digitally enhanced evaluation and assessment

Open education resources, tools, practices



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DIGITAL culture

Cursuri DigiCulture

VEZI CURSURI

OEWEEK 2021

Open Education Week 2021

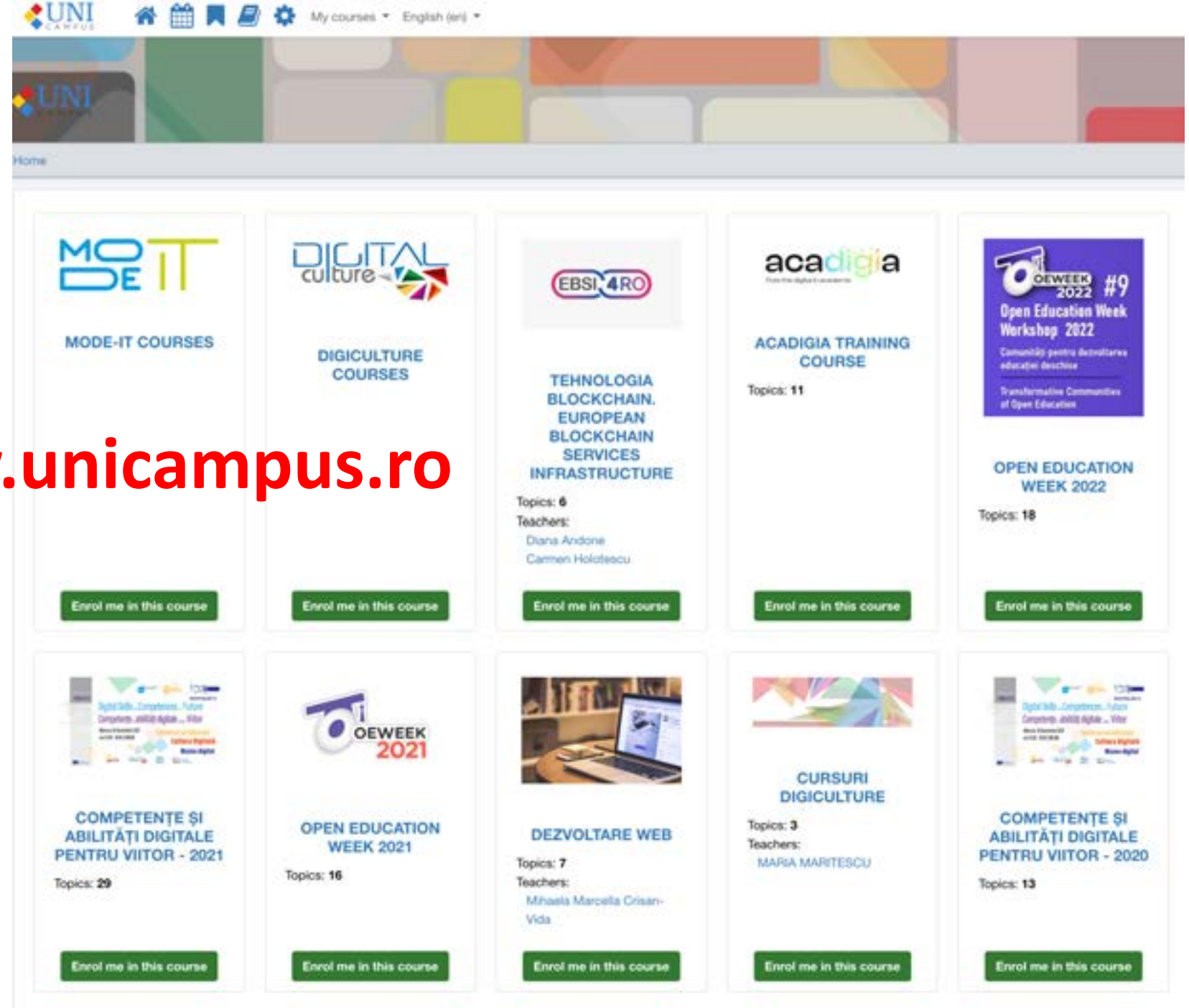
01 April
2021

VEZI CURS

Digital Skills 2019

01 July
2020

VEZI CURS



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EDEN Vice-president (2017-2021)
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IEEE Education Board of Governors
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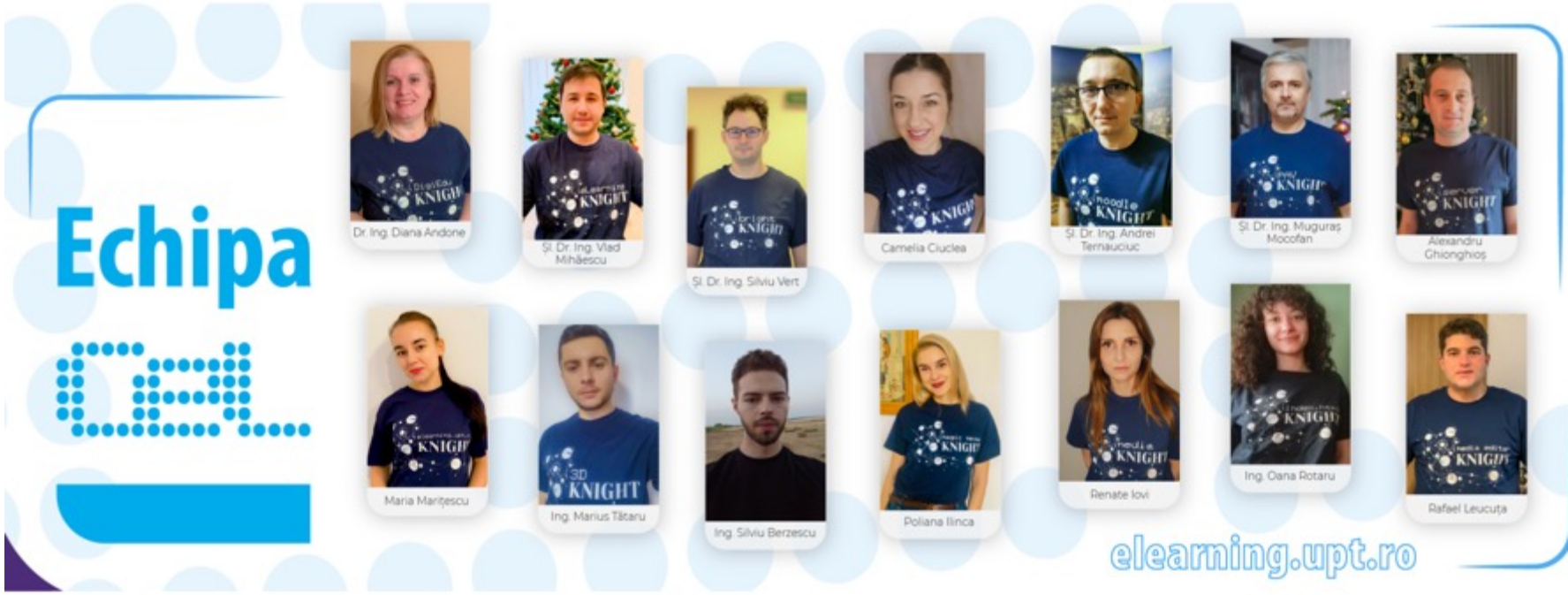

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