



Higher Education and the Digital Education Action Plan 2021-2027

Resetting Education and Training for the Digital Age

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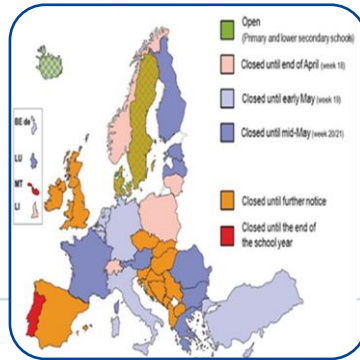
Political Context



Political guidelines of the President von der Leyen



Digital Education Action Plan (2018-2020)



COVID-19 pandemic and upsurge in distance and online learning



A Europe fit for the Digital Age



Next Generation EU



Digital Decade

Digitalisation in Higher Education Drivers



- Internationalisation



- Student and Staff Exchange



- Distance, online, blended learning



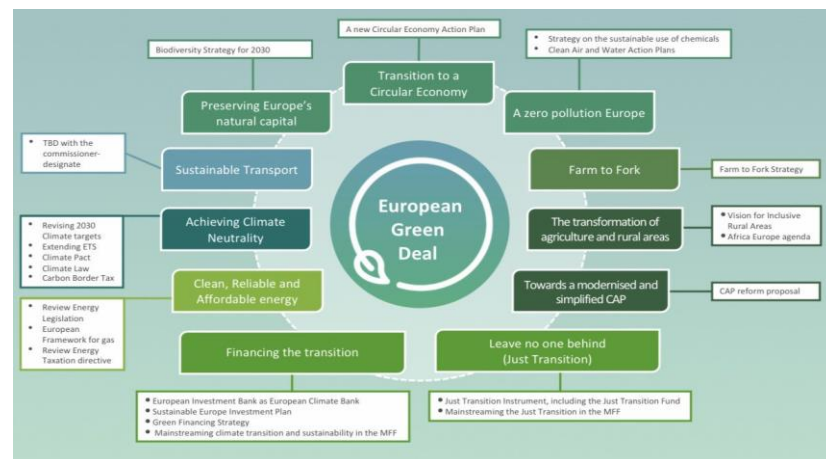
- Flexible, modular learning

- MOOCs, Open Education Resources



- Digital credentials

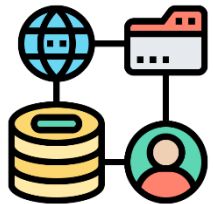
Digital Skills in Higher Education Drivers



Health Crisis – Lessons Higher Education



- Higher level of preparedness
- Acceleration of digital transformation



- Different levels of digital capacity
- Slow system-wide take-up of effective digital education practices
- Online teaching and learner engagement

Higher Education – Institutional Level



- Commitment and vision from the leadership
- Holistic, well-designed and integrated strategy



- Use digital capacity to promote sustainable and inclusive innovation and entrepreneurship
- Open Education, Open Science, Open data to increase impact on ecosystems

Higher Education – Learning



- Clear trend towards integrating blended learning
- Learner engagement
- Assessment, exams, selection and admission of new students



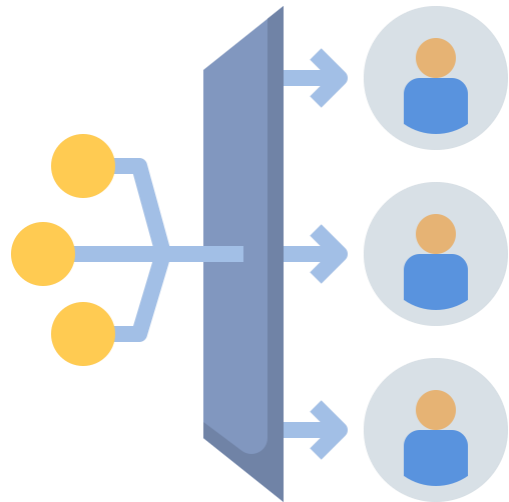
- Emerging lifelong learning needs:
 - short-term learning opportunities
 - flexible provision for degree programmes
 - adult learners and professionals looking to re-skill or upskill

Higher Education – Content and Delivery



- High quality digital content
- Inclusive, multilingual, accessible
- Instructional design expertise

Higher Education – Online Learning Platforms



- Leading MOOC platforms are outside EU
- MOOC production is twice as prevalent in the US in comparison to the EU
- EU higher education institutions are less intensive MOOC producers than US
- EU offer of MOOCs is unevenly distributed across Member States, with France, Spain and Italy being the leaders in absolute numbers

Digital Education Action Plan (2021-2027)

Key enabler for **European Education Area** and the new **Skills Agenda**













- An integrated approach for technology use in education and improving digital skills;
- Wide scope- beyond formal education and including lifelong learning;
- Duration of seven years, aligned with the programming period of the EU;
- Strong focus on quality and inclusion;
- Transforming education for the digital age is a task for the whole of society.

Two strategic priorities - One goal

Priority Area	Objectives
Fostering the development a high performing digital education ecosystem	<ul style="list-style-type: none">○ Boosting peer learning and policy cooperation○ Investing in infrastructure and connectivity○ Fostering digital capacity building○ Supporting high-quality and inclusive digital education
Enhancing digital skills and competences for the digital transformation	<ul style="list-style-type: none">○ Fostering the development of digital competence○ Promoting digital literacy for informed choices as citizens○ Boosting the development of advanced digital skills

HIGH-QUALITY AND INCLUSIVE DIGITAL EDUCATION

Priority Area	Actions
Fostering the development of a high performing digital education ecosystem	Enabling factors for successful digital education 
	Online and Distance Learning for Primary and Secondary Education
	European Digital Education Content Framework and European Exchange Platform 
	Support for connectivity and digital equipment for education
	Digital transformation plans and digital pedagogy and expertise 
	Ethical guidelines on AI for educators 
Enhancing digital skills and competences for the digital transformation	Tackling disinformation and promoting digital literacy through education and training 
	Digital Competence Framework update 
	European Digital Skills Certificate 
	Improving the provision of digital skills in education and training 
	Digital competence benchmark
	Digital Opportunity Traineeship 
	Women's participation in STEM 

European Digital Education Hub 



Priority 1

Developing a high performing digital education ecosystem

Strategic Dialogue with Member States on enabling factors



- Connectivity
 - digital equipment gaps
 - know-how of education and training institutions to adapt and digitalise in an inclusive manner
 - accessibility and availability of assistive technologies
 - closer dialogue on digital education between stakeholders
 - guidelines for digital pedagogy and upskilling teachers
- Council Recommendation on the enabling factors for successful digital education by 2022

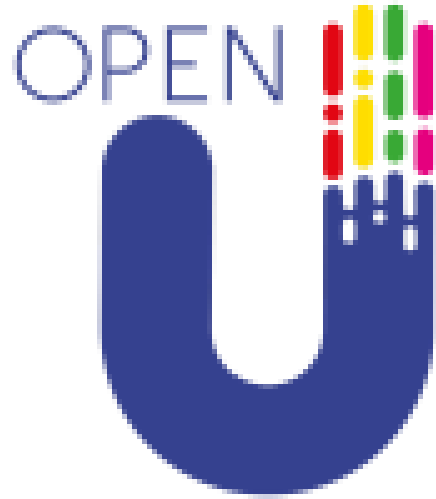
Priority 1

Developing a high performing digital education ecosystem

Develop a European Digital Education Content Framework



- use and sharing of high-quality, accessible, multilingual and recognised digital education content
 - European cultural and creative diversity
 - interoperability, verification and transferability
- Feasibility study on the creation of a European exchange platform
 - Improved digital education offering across the EU



OpenU is creating an innovative European hub called BLOOM to support blended learning, mobility and networking in higher education, building on the strengths of existing solutions.

<https://www.openu-project.eu/>

A European Approach to Micro-credentials

EU SKILLS AGENDA

- ✓ Develop **European standards for quality and transparency.**
- ✓ Explore the inclusion of **micro-credentials in qualifications frameworks.**
- ✓ Make it easier for individuals to **store and showcase** acquired micro-credentials through **Europass**

EUROPEAN EDUCATION AREA

- ✓ Common definition and common approach
- ✓ EU action will support **building trust in micro-credentials across Europe**
- ✓ Have all the necessary steps in place by 2025 for their wider use, **portability** and **recognition**



Priority 1

Developing a high performing digital education ecosystem

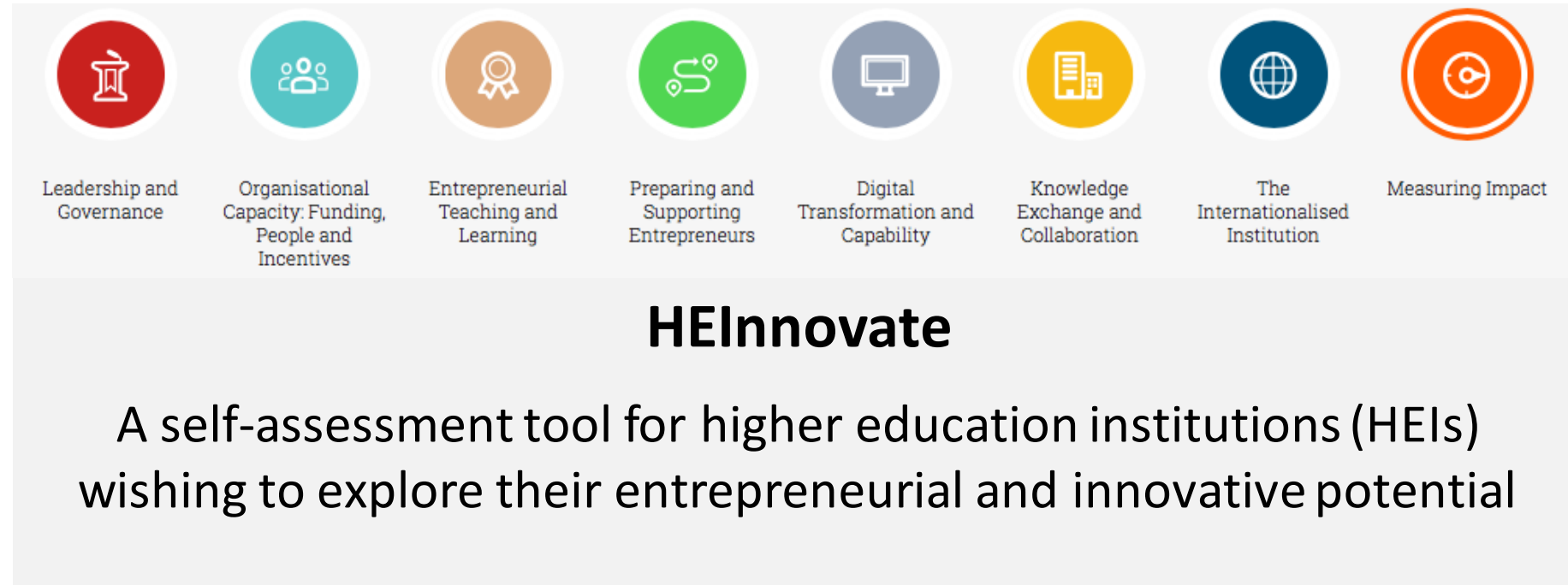


Support digital transformation plans, digital pedagogy and expertise

- Erasmus Cooperation Projects in all fields incl. cross-sectoral
- Erasmus Teacher Academies
- SELFIE for Teachers



- Enhanced digital capacity of education institutions





Erasmus 2021-2027 horizontal priorities

- More inclusive
- More environmentally friendly
- More digital

Digital Erasmus+

- Supporting the Digital Education Action Plan and European Education Area
- Focus on developing **Digital Skills** of both students and staff
- Support for **blended** mobility
- Supporting projects to foster innovative curriculum design and learning and teaching practices **using ICT**
- **Paperless Erasmus+**



Digital change is cultural change

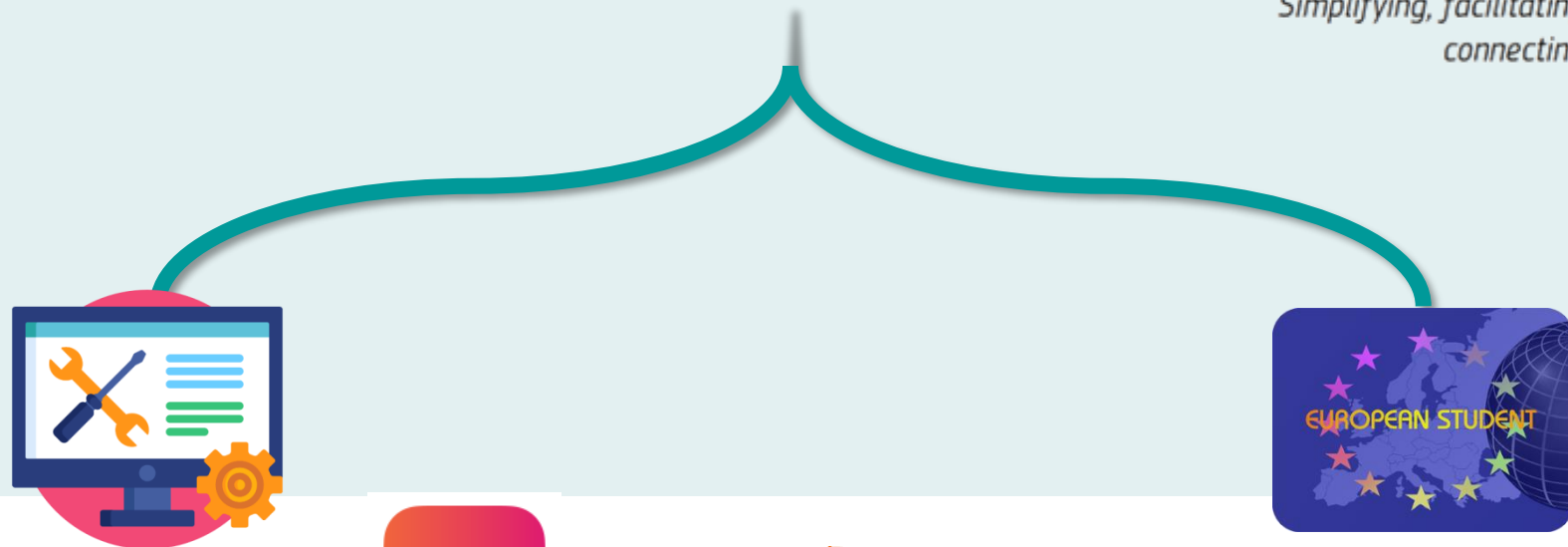
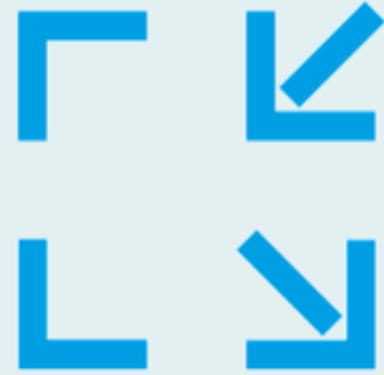
Step by step development and roll-out

Time to define institutional and national strategies

Flexibility vs. simplification

How do we get there?

**EUROPEAN
STUDENT
CARD
INITIATIVE**
*Simplifying, facilitating,
connecting.*



Connecting universities



Erasmus+

Connecting students



MyAcademicID

Online authentication



THE EUROPEAN STUDENT CARD

Co-branding student cards

Launch of the new Erasmus+ Mobile App...

Focus on
the Journey
ditch the
paperwork

Your Erasmus+
in one App

Erasmus+
Google Play
Download on the
App Store

This advertisement features a young woman with long red hair, wearing a white t-shirt, looking up and to the right while holding a smartphone. The background is a vibrant red and blue geometric pattern with white paper scraps flying around. The text is in white and blue, emphasizing the benefits of the app. At the bottom, there are logos for Erasmus+, Google Play, and the App Store.

IT ALL
STARTS
HERE

Your Erasmus+
in one App

Erasmus+
Google Play
Download on the
App Store

This advertisement features a young man with a beard, wearing a red and black plaid shirt over a white t-shirt and a red beanie, laughing joyfully while holding a smartphone. The background is a solid blue color with white hand-drawn doodles of a paperclip, a lightbulb, and a folder. The text is in white and blue, with 'HERE' highlighted in a blue brushstroke. At the bottom, there are logos for Erasmus+, Google Play, and the App Store.

FRIENDSHIPS ACROSS
THE WORLD

Your Erasmus+
in one App

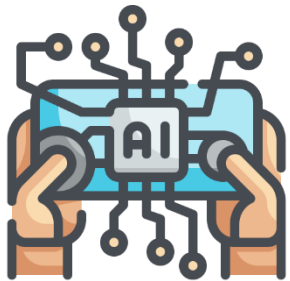
Erasmus+
Google Play
Download on the
App Store

This advertisement features a group of four diverse young people (two women and two men) smiling and posing for a selfie outdoors. The background is a light blue sky with green trees. The text is in blue and white, with 'THE WORLD' highlighted in a blue brushstroke. At the bottom, there are logos for Erasmus+, Google Play, and the App Store.

Priority 1

Developing a high performing digital education ecosystem

Develop ethical guidelines on artificial intelligence and data usage and sharing for educators



- Support educators with training and guidance on the ethical and pedagogical use of AI
- Support training on “Ethics by design for AI” for researchers and students
- Promote ethical use of AI for teaching and learning
- Enhance skills and knowledge of ‘ethics by design for AI’ among university students
- Target of 45% of female participation in the training activities

Priority 2

Enhancing digital skills and competences for the digital transformation

Common guidelines for teachers and educational staff to foster digital literacy and tackle disinformation



- Foster digital literacy and tackle disinformation through education and training
- bringing together wide variety of stakeholders to prepare guidelines
- Better awareness and knowledge on disinformation
- Broad understanding of digital literacy through education and training
- Enhanced responsible and safe use of digital technologies

Priority 2

Enhancing digital skills and competences for the digital transformation

Update the European Digital Competence Framework to include AI and data-related skills and support the development of AI learning resources



- Include AI and data-related competences in the Digital Competence Framework
- Provide reference for the role of AI in teaching and learning
- Make available AI learning resources for schools, VET organisations and other training providers
- Confident and competent educators and users of digital technologies
- Updated DigComp

Priority 2

Enhancing digital skills and competences for the digital transformation

Develop a European Digital Skills Certificate



- Consultation and developing the concept with stakeholders: by end 2021
- Piloting prototype: 2022
- A Europe-wide accepted recognition system that will enable a common evaluation of digital competences at different levels of proficiency

Priority 2

Enhancing digital skills and competences for the digital transformation

Council Recommendation on improving the provision of digital skills in education and training



- Exchange of best practice on instructional methods, including inclusive high-quality computing education (informatics) at all levels of education
 - Promote the use of EU tools to address needs on teacher professional development
 - Foster dialogue with industry on identifying and updating new and emerging skills needs, in synergy with the Skills Agenda
- A coherent vision and shared language on providing high quality computing/informatics education to all students in Europe

Priority 2

Enhancing digital skills and competences for the digital transformation

Digital Opportunity Traineeships



- More higher education students and graduates will boost their digital skills in relation to their field of study
 - Extended to VET learners and apprentices to boost their digital skills for their field of study and for learning
 - Teachers, trainers and other educational staff enrich their digital pedagogical skill
-
- Boost advanced digital skills development

Priority 2

Enhancing digital skills and competences for the digital transformation



Encourage women's participation in STEM




- Workshops and trainings offered by the EIT and KICs
 - target to reach 40 000 young female students by the end of 2027
 - New higher education programmes for engineering ICT based on the STEAM approach, incorporating sustainability and creativity perspectives and including guidance and mentorship
-
- Increase the participation and careers of women in digital and STEM fields

European Digital Education Hub

- Continuous and boosted multi-stakeholder discussion
- Link national and regional digital-education initiatives and strategies and stakeholders, including a network national advisory services to exchange experience and good practice
- Contribute to research experimentation and systematic collection and analysis of empirical evidence
- A think-and-do-tank for agile development of policy and practice in digital education



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Deep level of
inter-university cooperation
with a joint long-term
strategy

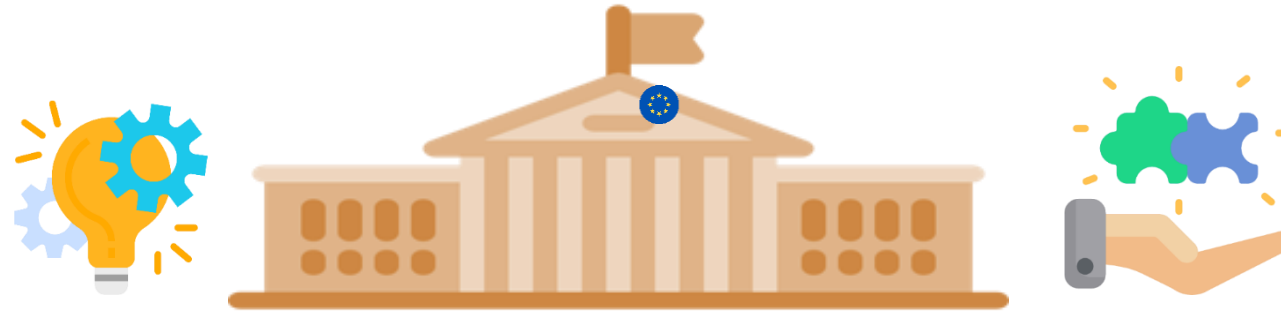
Structural, Systemic and
Sustainable impact

EUROPEAN UNIVERSITIES



European inter-university Campuses

Bachelor/Master/Doctoral levels



Flexible and personalised European curriculum with embedded mobility leading to a European degree

Innovative pedagogies with challenged-based transdisciplinary approach to foster entrepreneurial mind-sets and civic engagement

Enhanced staff mobility between partner institutions to teach/do research/work and equip students with a broad range of forward looking skills

Unleashing the power of educational data

Two online services on the use of Artificial Intelligence (AI) and learning analytics in education to help to predict skills shortages and support education systems to respond to skills needs and trends

<https://www.pwc.be/AI-in-education>



The skills & education matchmaking tool



Technology watch for education



European Education Area

- European Strategy for Universities
- European Universities Initiative
- EU degree
- European Approach to Micro-credentials
- Quality Assurance
- Inclusion



Digital Education Action Plan (2021-2027)

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@EU_DigitalEdu
#DEAP
#EUDigitalEducation