



In the of Digital Transformation of Education

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University Computing Centre SRCE

- is the computing centre and the architect of the e-infrastructure of the entire system of science and higher education of the Republic of Croatia
- **Competence centre for information and communication technologies, as well as the centre for education and support in the area of ICT applications**
- Celebrating 55 anniversary



In the heart of the digital transformation of science and higher education





SRCE support to education


- Over 50 years of successful support for the academic and research community and citizens in education and training in the use and implementation of ICT
- Educational activities:
 - **Educational programmes:** face-to-face and online courses and workshops, SRCE webinars
 - instructor-led courses and workshops, and online self-paced courses
 - **SRCE Academy**



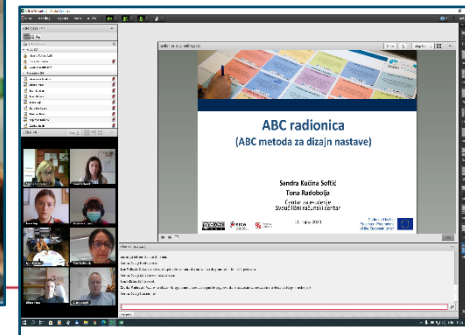
Dokumentacija i anonimizacija istraživačkih podataka (P250)

Ekologija Ocjene Aktivnosti Značke Kompetencije

Dobro došli na online tečaj „Dokumentacija i anonimizacija istraživačkih podataka“!



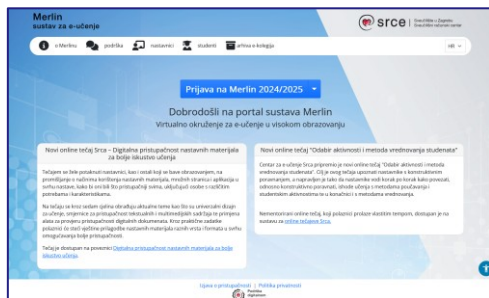
Online tečaj „Dokumentacija i anonimizacija istraživačkih podataka“ namijenjen je istraživačima, profesorima te studentima svih stepenova na visim fakultetima koji žele saznati više o Izradi Plana upravljanja istraživačkim podacima (PIUP) koji je potreban pri prijavi projekata Hrvatske zaklade za znanost, zatim dokumentiranju i opisivanju te anonimizaciji istraživačkih podataka. Tečaj je namijenjen i knjižničarima koji pružaju podršku svojim korisnicima u prijavi znanstvenih projekata.





SRCE support to education (2)

- Advanced and state-of-the-art e-infrastructure
- Consultancy in the process of digital transformation of education
- Training activities for different stakeholders in academia
- High quality, easily accessible and systematic user support
 - Technical support in the use of digital technologies and tools
 - Instructional design in the preparation and delivery of e-courses and online study programs
- Professional learning communities and networking





SRCE's Educational Programms

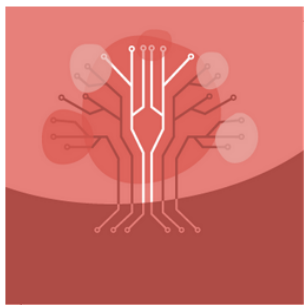


<https://www.srce.unizg.hr/edu>

All materials are accessible as OER



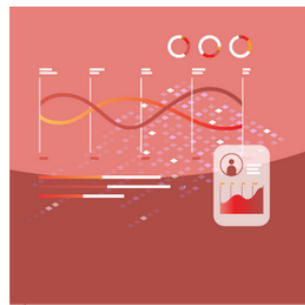
Topics of educational programmes



Osnove uporabe računala i interneta



Web-tehnologije, izrada web-stranica i web-sjedišta



Programiranje, baze podataka, statistička i grafička analiza podataka



Grafički i multimedijски alati



Platforme, alati i dobre prakse u životnom ciklusu istraživanja



Linux tečajevi



Primjena e-učenja u obrazovnom procesu



Primjena alata umjetne inteligencije u obrazovnom procesu

SRCE's Educational programmes in numbers



- 40+ instructor-led courses and workshops
 - 25+ online self-paced courses
 - More than 144 courses, workshops, and webinars were held in 2025
 - More than 9,340 participants in educational activities
 - More than 200,000 educational materials have been downloaded in open access.
-
- Digital competence (DigComp) is aligned to each course
 - Upon finishing the course, attendees receive a certificate and a digital badge



Detalji

Digitalne kompetencije

Područja digitalnih kompetencija:

Informacijska i podatkovna pismenost, Stvaranje digitalnog sadržaja,
Rješavanje problema

Razina digitalne kompetencije: 3

May 29, 2026



SRCE Academy

<https://www.srce.unizg.hr/akademija>



Obrazovni
programi
Srca

Educational platform offering specialised, high-quality programmes for the professional development of employees at Croatian academic and research institutions.

Categories:

- Researchers
- Teachers
- IT specialists
- Information specialists

21 packages

106 courses and workshops










Top-down
approach

For systematic
upskilling and
reskilling of
employees

Results of the SRCE's Academy Pilot Project (1)



	USER CATEGORIES	Researchers, Teachers, and IT Specialists
	IMPLEMENTATION CYCLES	4
	SRCE ACADEMY APPLICATIONS Key numbers	 18 institutions
		 337 participants
		 37 educational packages registrations
	COURSES AND WORKSHOPS HELD Total delivered	216 (1,913 class hours)

Results of the SRCE's Academy Pilot Project (2)





E-learning Centre @SRCE

National Centre for E-learning in higher education

www.srce.hr/enc

Established in 2007
Team of 12 experts
that provide support to
all higher education
institutions in Croatia

... provides infrastructure,
support and training to users

Objectives:

To support higher education
teachers, students, institutions
in the implementation of e-
learning in the educational
process

To provide and maintain a
reliable and generally
accessible HE platform for
e-learning

To train and educate
teachers in digital
competencies

To promote and foster the
implementation of e-learning

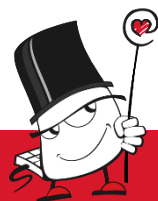
... is a key stakeholder
in the process of digital
transformation of the
higher education system



E-learning Centre@SRCE



Podrška
digitalnom
obrazovanju



E-learning platform for HE

state-of-the-art e-learning system tailored to user needs

30.000+ e-courses per ac. year

moodle



Webinars

For online lectures, presentations, seminars, consultations

Adobe Connect
Edumeeet



E-course Catalogue of HEI in Croatia

a central place to find basic information about all e-courses



Promoting Open Access and OER

all educational materials developed in SRCE in Open Access

SRCE Open education portal



Anti-plagiarism software

for checking students work, theses and doctoral dissertations by students and teachers

NO MORE COPY PASTE

High quality, easily accessible and sustainable support



8.500-10.000 user queries per year

to HEI

in the systematic implementation of e-learning and the process of digital transformation

to teachers

in the use of digital technologies; in implementation of digital technologies in teaching and learning

to students

in navigating the online environment and using digital technologies

Courses and workshops (classroom and online)

Manuals

Quick help

Animations

Guides, additional materials

Helpdesk

Consultations

Tailor made support to teachers in implementation of e-learning into educational process

Template for an e-course creation

E-course self-assessment application

Digital badges for completed courses

Interactive guide for grading in Moodle....



Teachers' training... tailored to their needs

- Courses and workshops
- Individual consultations
- Manuals, guidelines and videos
- Template for e-course design
- Self-assessment application on course design

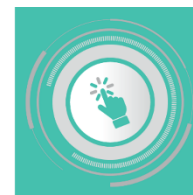


Self-assessment application on course design connected to the E-Course Catalogues of the Higher Education Institutions in Croatia

Thematic packages of courses



Getting started with the Moodle platform



Digital competencies



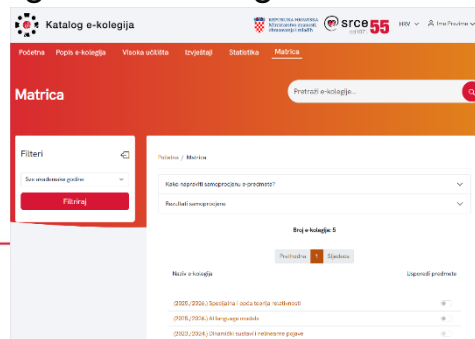
Creating e-courses and learning content



Designing digital resources



Assessment in an online environment



Example of Package: Digital Competencies



Course title	Duration (hours)
Implementation and Evaluation of Learning Outcomes in the Moodle Platform	10
Teachers' Digital Competencies	6
Implementation of the Competence Framework in the Moodle Platform	6
Innovative Pedagogical Approaches and Methods: The Flipped Classroom	16
Selection of Student Activities and Assessment Methods (Constructive Alignment)	10

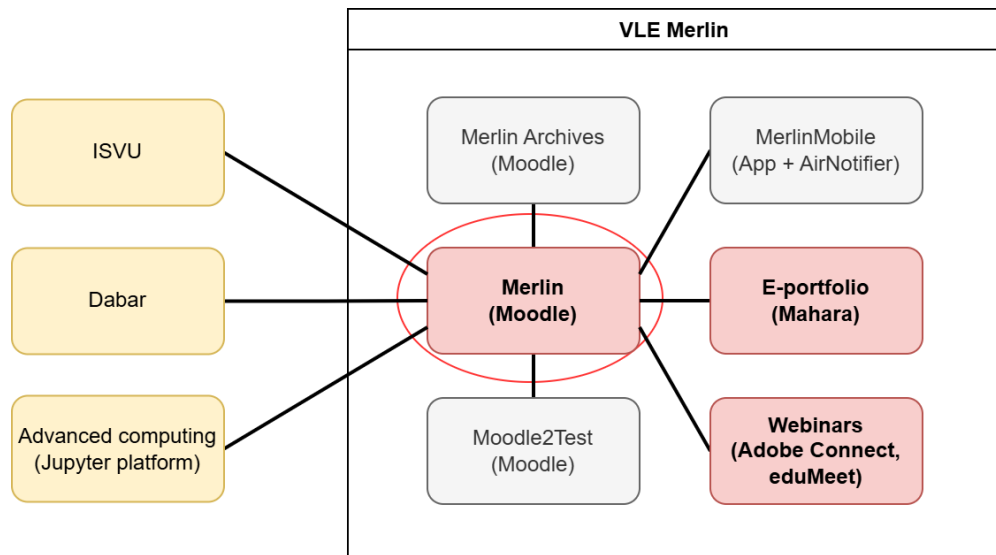
- Participants will learn how to implement learning outcomes in the Moodle platform, link them with teaching activities, and select assessment methods aligned with the levels defined in the learning outcomes. They will also become familiar with concepts related to competencies and the process of creating a competence framework in Moodle, as well as designing learning units according to the flipped classroom approach.
- The Digital Competencies package consists of five self-paced courses totalling 48 instructional hours. Upon completing all courses within the package, participants receive a certificate and a digital badge confirming successful completion.
- **Areas of digital competence:** Professional Engagement; Teaching and Learning; Assessment and Evaluation
- **Digital competence level:** B1
- The areas and levels of digital competence are defined in accordance with the European Framework for the Digital Competence of Educators (2017).





Virtual Learning Environment – Merlin

<http://merlin.srce.hr>



1 Moodle instalation	35.000+ E-courses per academic year
100+ HEI	12.000+ teachers
82 Institutions which use the ISVU-Merlin connection	90.000+ students



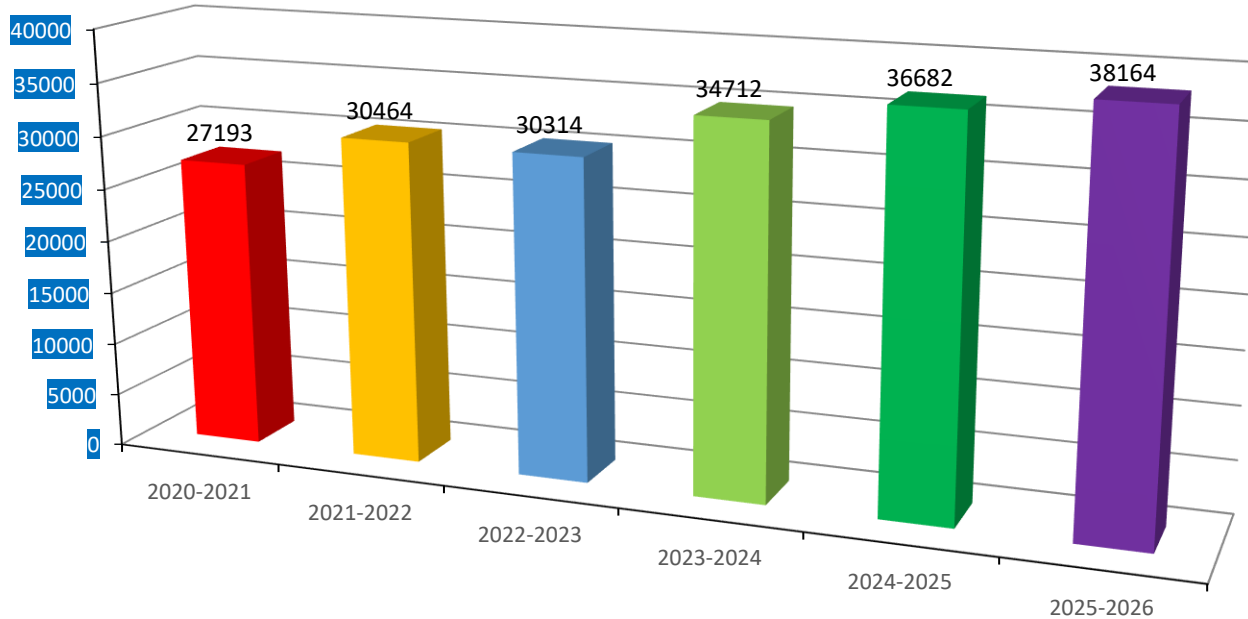
University e-learning platform Merlin

- E-learning platform based on an open-source system Moodle and it is developed, maintained and administered by the E-learning Centre
- Merlin is organised in academic years: platform for the current academic year and five archived
- For the academic year 2025/2026, a new installation of Moodle 5.02 was prepared
- <https://merlin.srce.hr>

The screenshot shows the Merlin e-learning platform interface. At the top, there is a navigation bar with the title 'Merlin sustav za e-učenje' and the SRCE logo. Below the navigation bar, there are two buttons for logging in: 'Prijava na Merlin 2024/2025' and 'Prijava na Merlin 2025/2026'. The main content area features a welcome message: 'Dobrodošli na portal sustava Merlin Virtualno okruženje za e-učenje u visokom obrazovanju'. There are two main sections of text. The first section is titled '14. Tjedan Centra za e-učenje Srca' and discusses the 14th week of the e-learning center, mentioning the preparation of activities and the use of Moodle 5.0. The second section is titled 'Sustav Merlin za akademsku godinu 2025./2026.' and discusses the new installation of Moodle 5.02 for the 2025/2026 academic year, mentioning the availability of the system and the preparation of the Moodle 5.02 installation.



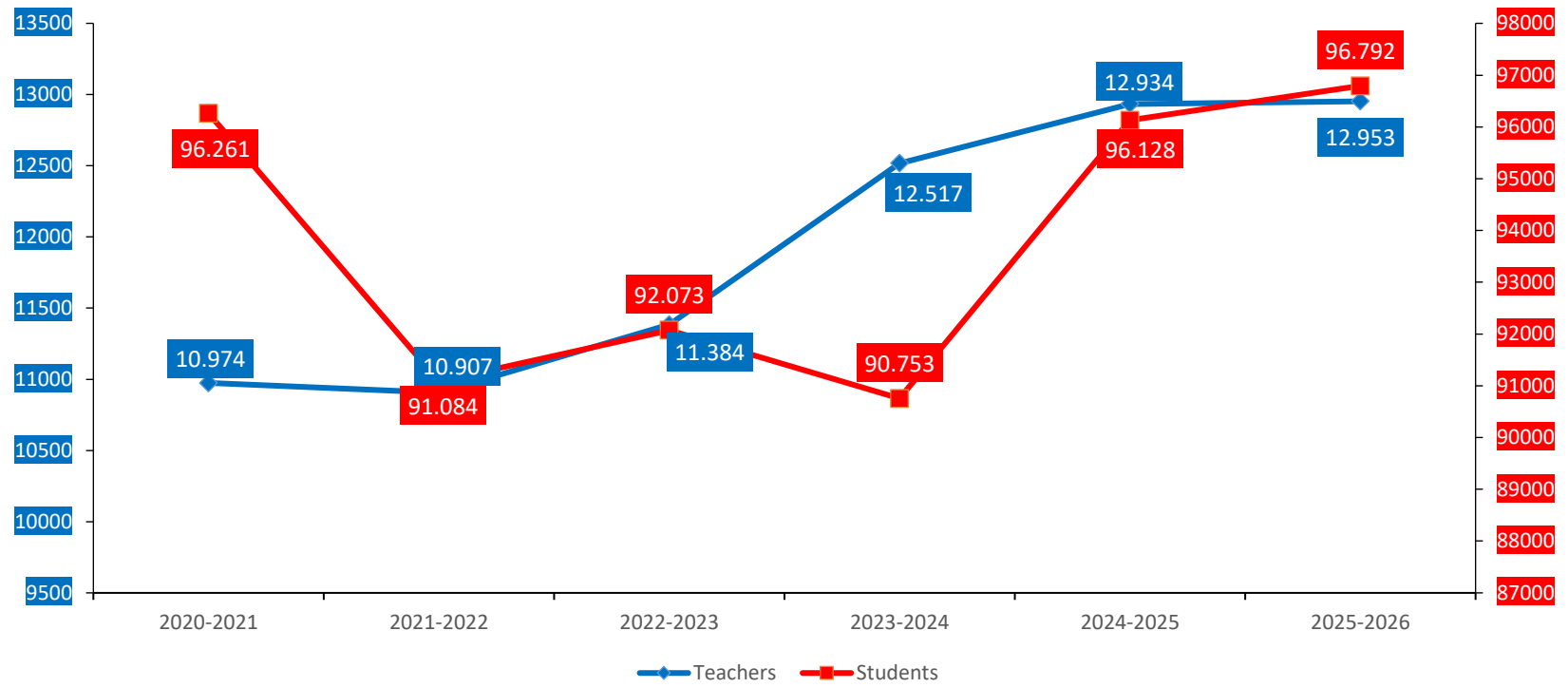
Merlin - e-courses per academic year





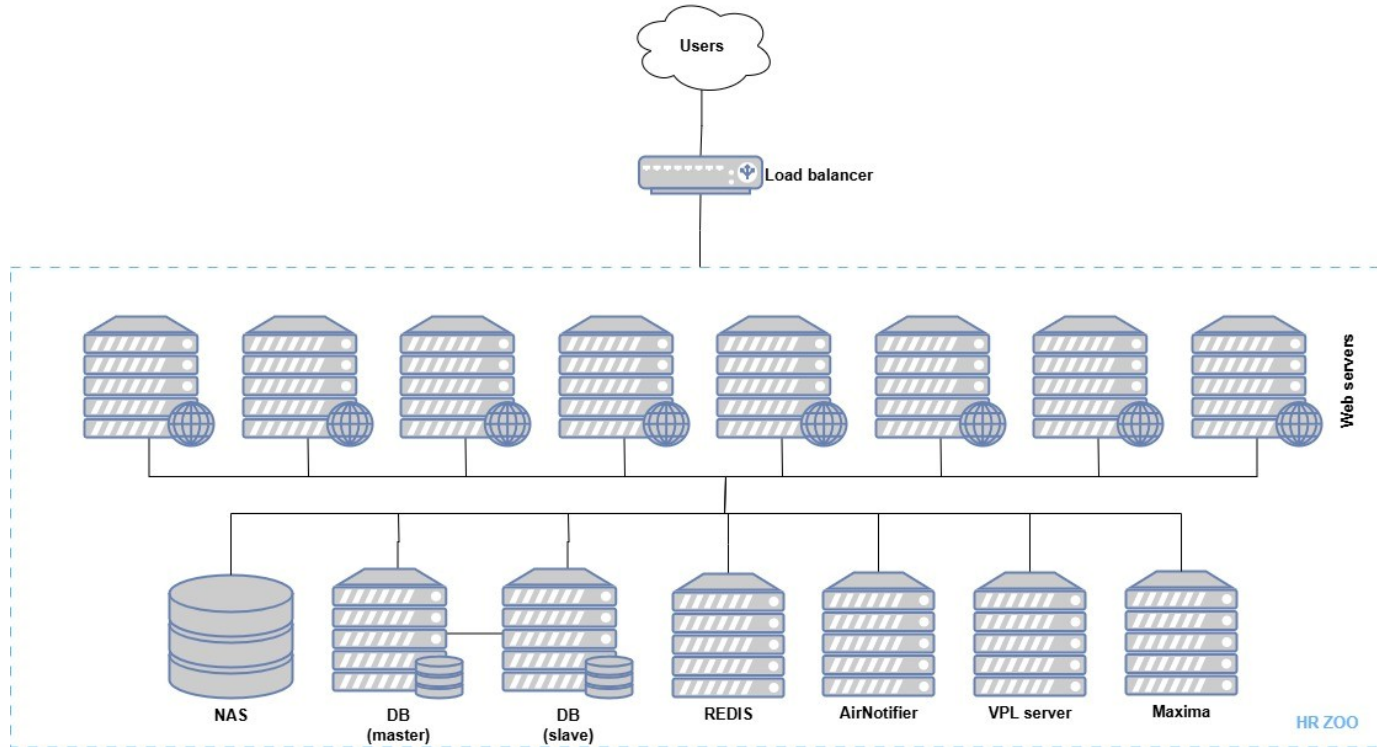
Merlin in numbers

(Number of enrolled teachers and students per academic year)





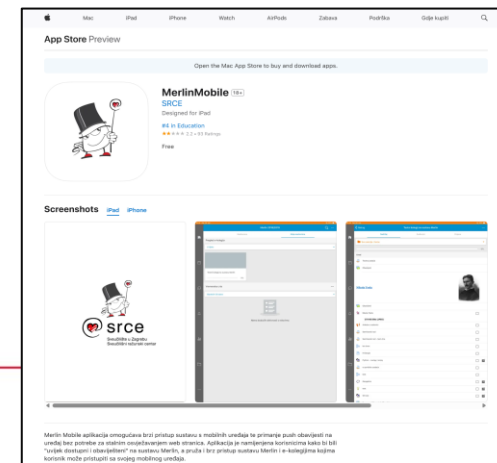
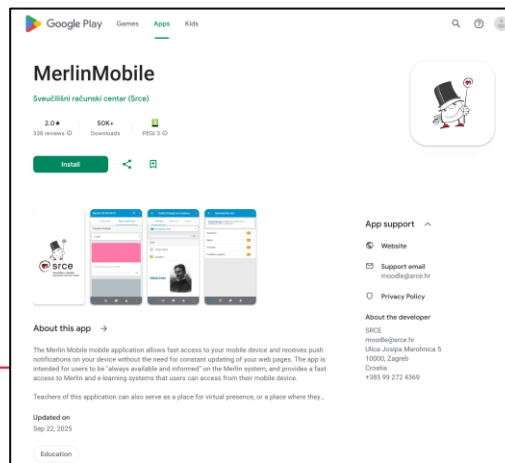
Server architecture of the E-learning platforms





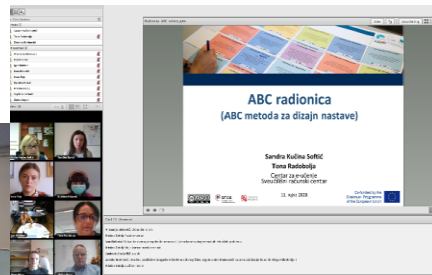
MerlinMobile

- Edited version of Moodle Mobile application configured to work with system Merlin
- Android and iOS version, plus .apk file for Huawei devices
- 50k+ Android and 72k+ iOS installations; 122k+ installations in total
- <https://play.google.com/store/apps/details?id=com.moodle.merlinmobile&hl=en>
- <https://apps.apple.com/hr/app/merlinmobile/id1473570180>





Rising Awareness and Dissemination about E-learning and Digital Education



Open Education Week

MoodleMoot Croatia - June

E-learning Day – December

Training courses,
workshops



E-learning Centre Week



ELC web
pages...

mailing
lists....

Articles in SRCE
newsletter...

Participation in National and International projects



- SRCE is actively participating in the projects on the national and international levels

- At the moment, SRCE is participating in the following projects



- **E-Sveučilišta project** (National Recovery and Resilience Plan)
 - activities related to the training and education of higher education teachers and policy makers in digital competencies
 - activities related to the development of digital education content, especially multimedia
 - activities related to the digital maturity of a higher education institution
- **Strengthening Teacher Training with AI through Remote-learning Spaces** (Erasmus+)
 - The aim is to help teachers integrate artificial intelligence (AI) into their daily work to improve the quality of teaching.
 - Objectives:
 - To increase participants' competencies in the use of AI technologies.
 - To review and reconfigure the instructional design of online training courses to integrate AI-supported digital content and activities.
 - We also intend to integrate sustainability criteria in the use of digital technologies for training.
 - Developing guides, training courses and support materials specifically geared towards the use of generative AI.
 - Build European learning communities to enhance teacher development.



- At the moment, 4 project applications (Erasmus+) are under review



SRCE presence at the European Higher Education Area

- Sharing work and expertise at the international conferences: EDEN, ICERI, INTED, EUNIS, END....
- Erasmus+ staff mobility – incoming and outgoing
- SRCE member of international associations: EDEN DLE, EUNIS...



Digital transformation of education needs



- Advanced and state-of-the-art e-infrastructure
- High quality, easily accessible and systematic user support
- Tailored-made teachers' training for digital skills
- Professional learning communities and networks

SRCE is providing all this successfully and is here to continue supporting HEI in digital transformation



**SRCE Educational
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