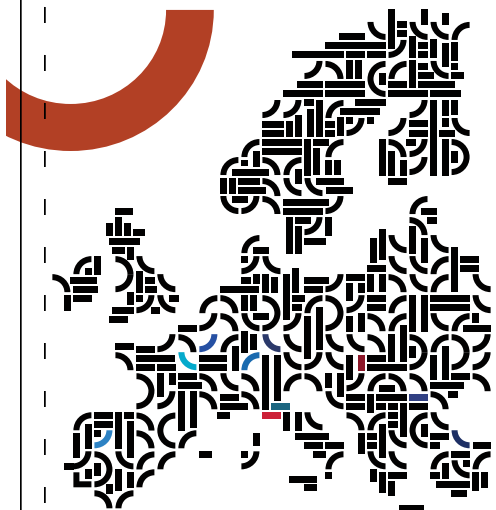


ELISA

European University

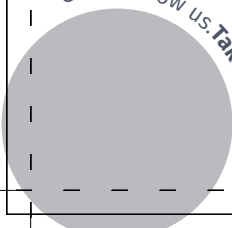
WE ARE
TRANSFORMING
TODAY'S HIGHER
EDUCATION TO
IMPACT
TOMORROW'S
SOCIETY



Explore



Get to Know us. Take the Quiz!



About us

The European Engineering Learning Innovation and Science Alliance

(EELISA) is a consortium of ten higher education institutions from eight different countries in Europe with the ambition of implementing a new model of European engineer rooted in society and of bridging engineering, sciences and humanities for inclusive, sustainable and digital societies.

EELISA's acronym pays tribute to women engineers through the memory of Elisa Leonida Zamfirescu (1887-1973), one of the first women to obtain an engineering degree in the world. She also embodied the values of multiculturalism, inclusiveness, innovation, excellence, and social commitment that EELISA holds today.

EELISA IN NUMBERS

students
194,000



faculty members
18,500



staff members
12,000



Our vision into practice

CREATING TRANSFORMATIVE EXPERIENCES THROUGH EELISA CAMPUS

We foster multi-layered, innovative and flexible learning opportunities that promote seamless mobility across partner institutions.

CONNECTING COMMUNITIES THROUGH UNPRECEDENTED COLLABORATION

We are building an ecosystem of EELISA Communities as learning labs for systemic, structural, and sustainable cooperation models.

BUILDING THE UNIVERSITY OF THE FUTURE WITH A HOLISTIC APPROACH

We are consolidating EELISA European University as a sustainable alliance model that is progressively growing in depth, scope, diversity, and ambition.



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The EELISA European Engineer

EELISA is shaping a new European engineer profile, capable of addressing the challenges of today's global society — a model built on four main pillars:

- 1 High level of scientific, theoretical, and digital skills
- 2 Capability to address sustainability
- 3 Intercultural experience to embrace the European vision
- 4 Critical thinking, business and communication skills

The EELISA Communities

EELISA students, researchers, and staff collaborate with problem owners, experts, companies, public institutions, and grassroots organizations to tackle challenges through multidisciplinary, SDG-driven approaches.

450+
Activities

9
Joint Calls
for funding

8.000+
Credentials

64+
Communities

Bridging Gaps in Science



Gender equality is essential in scientific research and STEM because it drives innovation, improves outcomes, and ensures fair opportunities for all. One of these sentences contains incorrect data — can you spot which one it is?

a

Women make up only 34% of researchers in the EU overall.

b

In leadership roles, women represent 24% of Grade A positions (professorships) in natural sciences and 19% in engineering and technology.

c

Just 20% of EU inventors are women, and 68% of EU publications lack any gender analysis.



is incorrect!

While the numbers might sound close, the actual data is even more striking:

- Only about 9% of EU inventors are women — not 20%.
- And a staggering 98% of EU research publications do not include any gender analysis — not just 68%.

This data shows just how far we still have to go in making research and innovation more inclusive and representative.

On the bright side, initiatives to promote gender equality are rapidly multiplying and already bearing fruit. For example, the share of women-led consortia in Horizon Europe has increased from 23% to 31%, reflecting a growing commitment to gender balance.

.....

* European Commission. (2025, February 11). She figures 2024: *Gender in research and innovation*.

* Learn more:



Insights into European Universities



The European Universities Initiative is a flagship program of the European Union, built on three ambitious pillars. Which of the following is NOT one of the core building blocks of the European Universities Initiative?

a

Long-term joint strategies between higher education institutions.

b

Standardized tuition fees across all member institutions.

c

European inter-university campuses enabling seamless mobility.

EQUIS
European University



is incorrect!

The European Universities Initiative focuses on fostering long-term, strategic, and sustainable cooperation among higher education institutions. It aims at enhancing global competitiveness and promoting shared European values and identity but it does not address or harmonize tuition fees.

It is built on three key pillars:

- Long-term joint strategies.
- European inter-university campuses.
- Knowledge-creating teams.

.....

* Learn more:



STEM Talent in Focus



Europe's global competitiveness in science and innovation depends on a strong pipeline of research talent. However, between 2015 and 2022, the European Union experienced a concerning drop in the number of doctoral graduates in STEM. Can you guess by what percentage STEM PhD graduates declined in the EU during this period?

a - 2%

b - 7%

c -15%



is correct!

Between 2015 and 2022, the number of doctoral graduates in STEM fields in the EU decreased by 7%. In contrast, the United States saw a **16.3% increase** in STEM doctoral graduates during the same period. While data for China and India is only available up to 2020, their numbers are **significantly higher** compared to other regions.

The good news is that talent attraction has become a clear priority across EU-wide initiatives. A key example is the ***Choose Europe for Science*** initiative, which includes a €500 million funding package for 2025–2027 to attract top research talent through competitive grants, mobility programs, and career development support across all 27 EU Member States. It's also a key focus for European Universities Alliances.

.....

* Learn more:



EELISA Research: network for a talent attraction

EELISA's R&I strategy harnesses the Alliance's collective strength by aligning research lines and resources, and connecting facilities and researchers. It encompasses:

EELISA network of Research Managers and Opportunities for professional growth

Joint research support functions and shared infrastructures to provide young research talents with excellent skills

Support for Open Science research methodologies through a joint OS framework

Joint strategy to foster talent attraction and retention through research and mobility grants



© EELISA Alliance

EELISA Innovation & Entrepreneurship Ecosystems

The EELISA Innovation & Entrepreneurship Ecosystem promotes cutting-edge research and development across its network. We foster:

- High-potential innovation nuclei.
- Networking for entrepreneurs & intrapreneurs.
- Young change-makers at EELISA partner incubators and start-ups.
- Market entry through long-term relationships.
- A strong network of incubators and accelerators.
- Diverse funding sources to support entrepreneurial ventures.
- Innovation contest & SDG-based challenges.
- Connecting talents.



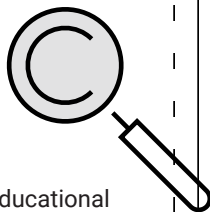
© EELISA Alliance

EELISA learning opportunities

☐ **EELISA fosters multi-format, international learning opportunities. The perfect element for an impactful and self-designed learning path or mandatory international training.**

☐ **A great opportunity to expand your horizons, complement your diploma, acquire new skills, and gain international experience, culminating in the unique EELISA Recognition system.**

Explore



☐ **EELISA JOINT PROGRAMMES**

Transformative educational programmes which are designed, developed, and recognized by all EELISA institutions. Unique learning opportunities with the “EELISA label” and quality assurance attached to it.

☐ **SDG ORIENTED ACTIVITIES**

Joint activities connected to the EELISA Communities with a focus on learning experiences that have a direct impact and purpose within the framework of the UN Sustainable Development Goals (SDGs) and the 2030 Agenda.

Opportunities offered by EELISA partners

Multi-format, long and short-term educational opportunities offered by EELISA members and collaborators to the rest of the EELISA Alliance and beyond.

Internships

EELISA Internships and Apprenticeships are professional learning experiences abroad that offer students or recent graduates practical, real-world work exposure in their field of study or career interest

Lifelong learning

The Lifelong Learning EELISA Model focuses on providing continuing education and training to foster future-proofed skills graduates through the Alliance's collaborative efforts. This approach is designed to strengthen co-creation in lifelong learning opportunities, embodying the values of the EELISA label for the future.



© EELISA Alliance

Breaking down Silos



Interdisciplinary education is a cornerstone of the European Universities Initiative.

According to EU reports, which of the following outcomes has been directly linked to this?

a

A measurable drop in student enrollment in STEM due to curriculum complexity.

b

A shift away from international collaboration in favor of more national, discipline-specific programs.

c

Increased student participation in real-world, challenge-based projects addressing issues like climate change and digital transformation.



is correct!

Interdisciplinary education within European Universities Alliances has led to a significant rise in student involvement in cross-border, challenge-based projects that address real societal challenges such as climate action, digital transition, health equity, and social inclusion. By breaking down academic silos and combining expertise across disciplines and countries, these alliances are equipping students with the skills to collaborate, innovate, and respond to complex global issues!

.....

* European Commission (2025).
European Universities initiative:
report highlights success,
outcomes and transformational
potential.

* Learn more:



The Green Challenge



European Universities Alliances are embracing sustainable practices to reduce their environmental footprint. Green mobility between universities is a key part of this effort. Which of the following is a documented impact of green mobility initiatives among European Universities?

a

A 25% reduction in carbon emissions linked to inter-campus travel thanks to coordinated sustainable transport options.

b

An increase in single-occupancy car trips as students prefer private vehicles over public transport.

c

There is still no measurable change in travel emissions due to insufficient unified mobility strategies.

EQUIS
European University



is correct!

EU reports highlight that green mobility efforts have led to a significant reduction in carbon emissions related to travel between campuses. By promoting sustainable transport options such as electric shuttles, bike-sharing schemes, and coordinated public transit, European Universities Alliances are successfully lowering their environmental impact while enhancing connectivity and collaboration across borders.

.....

* European Commission, 2024.
“European Universities Initiative
Progress Report”

* Learn more:



EU Campus Sustainability



Sustainability is key for fighting climate change, and European campuses are leading the way by adopting innovative practices that reduce their environmental impact while educating the next generation. Which of the following facts about sustainability practices on European higher-education campuses is accurate?

a

Many campuses have installed on-site renewable energy systems (like rooftop solar or geothermal), which reduce operational emissions and serve as integrated teaching labs for students.

b

A recent EU monitoring report found that over 90 % of secondary and higher-education institutions in Europe fully integrate sustainability into all subjects of the standard curriculum.

c

According to data aggregated by the EU, the average campus waste generation rate across European universities is approximately 5 kg per person per day, with most universities successfully achieving zero-waste status.



is correct!

Over 50% of European campuses studied in the article “A comparative study of approaches towards energy efficiency and renewable energy use at higher education institutions” by Manzano-Agugliaro et al. use renewable energy systems. Rooftop solar and geothermal systems have turned into hands-on teaching labs for students in fields such as architecture and engineering.

Option B is wrong—only 42% of EU youth report good sustainability education, and it’s not fully integrated. Option C is also wrong—campus waste averages 0.19 kg per person daily, and zero-waste campuses are still rare.

.....

* European Commission. (2024). Education and Training Monitor 2024.

* Learn more:



WHY EELISA?

As a **AS A STUDENT**

EELISA is Erasmus AND BEYOND, offering an innovative and multidisciplinary approach to education that extends far beyond traditional boundaries, empowering students to shape their own transformative experiences.



As a **FACULTY MEMBER & RESEARCHER**

EELISA fosters an ecosystem for innovative teaching and learning experiences with significant societal impact, and unprecedented research collaboration among academic and non-academic partners from around the globe.



WHY CONNECT EELISA?

As a **STAFF MEMBER**

EELISA is a diverse, multicultural network of dedicated professionals with great potential for international mobility and professional growth. A space where your work can make a real impact on society.



As a **COLLABORATOR**

EELISA gives you access to a pool of well-trained and deeply committed students and researchers while offering multidisciplinary and multistakeholder approaches that are essential to building optimal solutions in a systemic way.



HOW CAN YOU CONNECT EELISA?

- EELISA operates through a dynamic network of local offices coordinated by the EELISA Central Office (ECO).
- They assist with mobility, educational opportunities, and community engagement.
- **Contact your EELISA Local Office (ELO) to find out more!**



ELO@SSSA

ELO@ZHAW

ELO@BME

ELO@SNS

ELO@ITU

Central Office
office@eelisa.es

ELO@FAU

ELO@UPM

ELO@ENPC

ELO@PSL

ELO@POLITEHNICA Bucharest

Find contact list here:



What is EELISA DIGITAL CAMPUS?

- **Main digital gateway to the EELISA ecosystem**, connecting students, faculty, staff, and collaborators across Europe.
- **An entry point to meet the EELISA Communities**, giving users direct access to join their SDGs oriented activities.
- **A digital catalogue of opportunities**, including courses, seasonal scwhools, events, internships, and mobility options.
- **A space for innovation and co-creation**, enabling users to activate, join, and manage collaborative activities.
- **A single integrated interface** that consolidates profiles, activities, community memberships, and EELISA recognition formats access.

DIGITAL CAMPUS

Explore now!



Out of the Box Learning and Teaching



Which of the following is a fact about innovative teaching and learning practices within the European Universities Alliances, according to the 2025 European Commission report?

a

The alliances emphasize interdisciplinary learning but have yet to implement flexible learning pathways or collaborate extensively with external partners.

b

The alliances focus heavily on academic research, with most programs avoiding practical societal engagement or local community connections.

c

The alliances have established roughly 600 joint study programs to enhance student mobility and lifelong learning.



is correct!

The European Commission report highlights that European Universities Alliances have developed over 600 joint study programs and that these initiatives significantly enhance student mobility and support lifelong learning by providing diverse, flexible, and innovative educational opportunities across member institutions.

.....

* European Commission. (2025). European Universities Initiative: Outcomes and transformational potential.

* Learn more:



Education Without Borders



A core initiative of the European Universities Alliances is to deepen collaboration between universities across Europe by developing integrated European Degrees. Which of the following statements on the European Degree is INCORRECT?

a

The European Degree is mandatory for all universities in EU member states starting mid-2026.

b

The European Degree is a new type of joint degree awarded after transnational Bachelor, Master, or Doctoral programmes delivered at national, regional, or institutional level.

c

The European Degree is based on common criteria agreed at European level.

EQUIS
European University



is incorrect!

The European Degree is defined as a joint degree awarded after transnational Bachelor, Master, or Doctoral programmes delivered at national, regional, or institutional level. It is automatically recognised everywhere in the EU and awarded jointly on a **voluntary basis** by a group of universities across Europe, based on common criteria agreed at European level.

.....

* European Commission Website
– Working Towards a Joint
European Degree section.

* Learn more:



Innovation in Higher Education



The European Union's innovation performance, as measured by the European Innovation Scoreboard, increased by 10% since 2017. Over this period, most EU Member States have raised their innovation performance, although the extent to which they have improved varies strongly. Which of the following EU countries do you think was ranked as an "Innovation Leader" in the European Innovation Scoreboard 2024?

- a** Sweden
- b** Denmark
- c** Estonia



is correct!

The European Innovation Scoreboard provides a comparative assessment of the Research and Innovation performance of EU Member States, other European countries, and selected third countries. It helps countries assess the relative strengths and weaknesses of their national innovation systems and identify challenges that they need to address.

In 2024, Denmark retained first position as the most innovative Member State, ahead of Sweden, which was the leading EU Member State from 2017-2022.

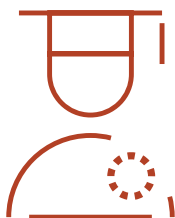
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* Learn more:



CELISA

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We are proudly part of the:



**Co-funded by
the European Union**

Co-funded by the European Union's
program, grant agreement 101124533—
ERASMUS-EDU-2023-EUR-UNIV.

GET TO KNOW US

Meet our members



BME



İTÜ



FAU



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NORMALE
SUPERIORE



Sant'Anna
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