

EDUFUSION NSG

YEAR 1



Co-funded by
the European Union



**Empower Educators.
Ignite Innovation.
Transform Kazakhstan.**

The Edu-Fusion Network for Sustainable Growth aims to bridge the gap between classrooms and industry demands, build an ecosystem of innovation where HEI and industries unite to fuel sustainable growth and entrepreneurship across Kazakhstan.

How it works?

🤝 Stronger Industry-Academia Links – Education that aligns with real-world market needs.

👩‍🏫 Educator Training Certification – Empowering teachers to lead the change.

🇰🇿 Relevant Online Courses – Accessible, market-driven learning.

📈 National Growth Job Creation – Building a future where education drives the economy.

Join us in shaping an educated, skilled, and entrepreneurial Kazakhstan!

Project's Year 1 Objectives

The first year of EduFusion NSG marked **the transition from concept to coordinated implementation** of an integrated ecosystem connecting HEIs, industry partners and key national stakeholders in Kazakhstan.

Building on the approved project proposal, the consortium focused on laying the institutional, digital and methodological foundations for three core pillars:

- the Academia-Industry Collaboration Portal (AICP)
- the Teacher Development and Support System (TDSS)
- the Virtual STEAM & Entrepreneurship Academy (VSEA).

AICP:

a bridge for partnerships between educational institutions and the business sector.

VSEA:

accredited online courses in STEAM and entrepreneurship, emphasizing gender inclusiveness and climate neutrality.



TDSS:

accredited training for educators, focusing on modern teaching methodologies and addressing educational disparities.

[Read more on our website](#)

Preparation of the Academia-Industry Collaboration Portal

In Year 1, work focused primarily on the conceptual preparation of the AICP.

- ✓ **initial vision of the portal**, its role in the project ecosystem and preliminary ideas for architecture and key modules were discussed in draft form
- ✓ **collection of user needs and functional requirements** from partner HEIs and potential industry stakeholders has started; this process will continue and feed into the revised development timeline.
- ✓ **cooperation framework with EKTU** for Quarterly Market Research and Analysis was outlined in principle



iPEER advances:

More than 200 professors from the partner universities have already started their independent peer-evaluation process to earn the **iPEER (International Professional Engineering Educator Registered)** title. Beyond international recognition, iPEER provides an objective diagnosis of each educator's competence levels and helps define a personalised development route.

Within the project, these routes will be supported by tailored Professional Development Programs to strengthen educators' abilities, knowledge and attitudes.



TDSS Educator Training and Certification

Year 1 initiated the development of the TDSS.

- ✓ **Curriculum Development for Training Programs** started: draft structure of PDPs, indicative modules and learning outcomes prepared and under refinement.
- ✓ In August 2025, **Workshop in UVIGO** was conducted to support the design of the market analysis methodology, using metadata from the educator register as a basis for further analytical work.
- ✓ training materials **to be developed** .



Courses Development for the Virtual STEAM & Entrepreneurship Academy



- ✓ Within the workshop at Karaganda Buketov University **Market Needs Analysis and Curriculum Design** was concluded, with preliminary identification of priority STEAM and entrepreneurship 10 topics.
- ✓ A **draft concept** for the VSEA course catalogue (target groups, thematic clusters, online format) outlined.
- ✓ Initial technical and pedagogical **requirements for the VSEA digital environment** formulated.

Inclusive Social Recognition

- ✓ A **draft concept for social recognition** of engineering and academic staff prepared, linked to participation in TDSS, VSEA and collaboration activities.
- ✓ Formats for **Diversity Briefings** and inclusion-focused awareness activities designed at concept level; piloting and implementation planned for the next period
- ✓ Methodological ideas for **engagement tools** (e.g., reflective and recognition activities) developed.

EduFusion NSG Growth and Outreach

- ✓ **Project website** and **Social media channels** were launched providing the main target groups with regular updates on the project's progress and key results.
- ✓ Several **international, national and regional events** have already been organised to reach both academic and industrial stakeholders and **to expand our network of partners and collaborators.**
- ✓ Follow us on Instagram and visit our website to stay tuned and up to date

Project Consortium:



www.edufusion-nsg.com



Universidade de Vigo

