

EDUFUSION NSG INTERNATIONAL WORKSHOP IN VIGO, Spain (July 22-24)

CURRICULUM DEVELOPMENT FOR TRAINING PROGRAMS

E3.1 (IPP, UVigo, ENTER, KAZNU, Satbayev University, KATRU, EKTU, KarU, KazNARU, KAZSEE, MES)

Location: *Redeiras* Building (Vigo), room 1

The Redeiras Building is the institutional headquarters of the UVigo, located in the historic O Berbés district. It exemplifies sustainable architecture through its use of cross-laminated timber, reclaimed stone, and zinc roofing. This approach not only preserves the area's cultural heritage but also minimizes environmental impact. The building's commitment to sustainability and innovative design has earned it a place representing Spain at the 19th Venice Architecture Biennale in 2025.



<https://goo.su/TMEBXA>

Introduction & Rationale

The rapid transformation of education in the 21st century, driven by technological innovation, the global shift towards interdisciplinary learning, and the demand for entrepreneurial skills, has necessitated a critical reevaluation of how educators are trained and supported. In this context, the development and implementation of high-quality, responsive **Professional Development Programs (PDPs)** is not merely a strategic objective, it is **an urgent need**. This Workshop aims to serve as a dynamic, collaborative platform that contributes directly to the co-creation and enhancement of high-quality, internationally aligned PDPs for educators in Kazakhstan, **based on the needs analysis previously conducted**.

This international Workshop, hosted by the **University of Vigo** under the **EDUFUSION NSG** initiative, brings together **leading engineering universities from Kazakhstan**, European partners, and **Kazakhstani Higher Education authorities** to collaboratively update and co-design PDPs that meet international quality assurance standards and respond directly to the previously identified upskilling needs of educators in Kazakhstan. These needs include the integration of **cutting-edge pedagogical strategies, enhanced technological literacy, and strengthened teaching approaches in STEAM and Entrepreneurship**.

The Workshop will serve as a key milestone in preparing the curricular foundations and resource structures that will shape the upcoming phases of the project (*Train the Trainer, Educator Enrolment, PDPs Delivery, and Evaluation & Certification*).

Through an **immersive, design-driven and participatory approach**, this three-day event will be aimed at **discussing, updating existing PDPs and creating new ones following international framework quality assurance standards focused on the identified needs of educators upskilling in Kazakhstan**. Specifically:

- Critically analyse the existing PDPs and explore areas for improvement.
- Co-develop new PDP elements aligned with European standards and local needs.

- Reflect on the inclusivity, accessibility, and sustainability of the educational approaches to ensure they reach marginalised groups, including women, refugees, and underrepresented communities.
- Generate tangible outputs and templates that directly feed into the deliverable: “Curriculum for Professional Development Programs (PDPs)”.

The fourth day, dedicated to inter-consortium collaboration between European partners, KazSEE and Higher Education authorities (Ministry), will allow for in-depth reflection and strategic planning to ensure seamless follow-up, evaluation and integration of Workshop outcomes into the broader EDUFUSION NSG framework.

This Workshop is not only a platform for technical curriculum alignment but also a laboratory for educational transformation, equity and innovation.

22.07.2025

TIME	DAY 1 Foundation & Curriculum Innovation (Blocks 1 & 2 Context and Foundation; Curriculum Innovation and Design)
11:30-12:00	Welcoming
12.00-12.15	Opening Session
12.15-12.30	Presentation of the Agenda and Activity Facilitators (Maribel Doval, UVigo)
12:30-13:00	Presentation of the <i>Needs Analysis</i> previously conducted and the 20 competences gap (ENTER)
13:00-13:15	Introduction to the principles of curriculum co-creation (Uvigo)
13:15-13:30	Principles of inclusive and sustainable curriculum development (UVIGO)
13:30-14:00	Bringing the University closer to the City with Sustainable Criteria. Study visit to <i>Redeiras</i> building (Gonzalo Alonso, from Abalo Alonso Architectos, in charge of this rehabilitation)
14:00-15:00	Lunch (at <i>Redeiras</i>)
15.00-15.15	Introduction to international frameworks and quality standards for professional development in Higher Education (ENTER)
15.15-15:30	Introduction to Design Thinking and Canva procedures. Tools and Roles (F.Ronsel)
15:30-16:00	Current state of existing PDPs in Kazakhstan: a comparative mapping exercise: Empathy Map (F.Ronsel)
16.00-16:30	Co-creation lab 1: Group dynamics using Design Thinking to ideate and prototype curriculum elements (F.Ronsel)
16.30-17.00	Coffee break
17:00-17:15	Co-creation lab 2: Exploration of Canva-based collaborative tools for mapping and visualising PDP structures: Stakeholder Journey Map (F.Ronsel)
17:15-17:30	Conclusions Day 1 (UVigo + ENTER)
19:00-20:30	Guided City Walk (meeting point: Praza Porta do Sol, O Sireno) https://g.co/kgs/3t5Rwbr

23.07.2025

DAY 2: Designing the Future, Curriculum Building & Validation TIME (Blocks 3, 4, 5 & 6: Pedagogical Strategies and Tools; Quality Assurance and Accreditation; Implementation Strategies; Validation and Reflection)	
08.00-09.30	Visit to the Vigo Port, Fish Market and Shellfish Hatchery
9.30-10:00	Expert Talk 1: Innovative Pedagogies I : Methodologies for modernising teaching and learning in STEAM and Entrepreneurship. Active learning methodologies: flipped learning, PBL, experiential learning (UVIGO)
10:00-10.30	Expert Talk 2: Innovative Pedagogies II : EdTech tools and digital pedagogy. New modalities of PDP delivery: Metaverse. AI protocols and NeuroRights (UVIGO)
10:30-11:00	Coffee break
11.00-11.30	Co-creation Lab 3: Planning the future ToT programme. Participants work in teams to integrate these strategies into new or updated PDPs. ToT Lesson Plan: structure, methodology and materials (F.Ronsel)
11:30-12:00	Talk: Standards and procedures for PDP accreditation (KazSEE & ENTER)
12:00-12:30	Co-creation Lab 4: Planning for educator evaluation, certification and international recognition. Templates and checklists for educator evaluation. Simulation of an international certification and international recognition (ENTER)
12:30-13:00	Co-creation Lab 5: Ideation & Prototyping. Canva Mapping and Hands-On Session (F.Ronsel)
13:00-13:30	Co-creation Lab 6: Peer Review of Draft Prototypes (Cross-Group Feedback). Templates and checklists for curriculum validation. Simulation of an <i>internal curriculum audit</i> using rubrics. (UVigo & ENTER)
13:30-14:30	Lunch (at Redeiras)
14:30-15:00	Co-creation Lab 7: Reflection Circles: Inclusion, Equity, and Accessibility (UVIGO)
15:00-15:30	Final Validation Panel (Open format). Final Curriculum Presentations . Feedback session with peers and external experts. Adjustments & Wrap-Up (F. Ronsel)
15:30-16:00	Coffee break
16:00-17:00	Networking activity (UVigo + ENTER)
17:00-17:30	Conclusions Day 2 (UVigo + ENTER)

24.07.2025

DAY 3: Reflective Walk	
TIME	(Reflection and strategic planning for post-Workshop follow-up activities, conducted by UVIGO & F. Ronsel).
10.30-10:30	Pick-up and transfer A bus will pick up all registered participants at the meeting point defined by the organization. It will travel about 11 km, taking around 20 minutes, to drop participants off at the starting point.
11.00	Start of Route The walk begins in a group, covering 10 km along an accessible route, with an approximate duration of 2 hours.
13:00	End of Route After presenting the conclusions reached by each work team, we will finish with a lunch to regain energy.
14:30	Return A bus will pick up the participants to return them to the location where they were picked up in the morning.
15.00-17.00	Social Audit Session (UVIGO) Assessing inclusion, gender equity, and sustainability in the designs and in all sessions.
17.00-17.30	Final evaluation & Conclusions

25.07.2025 (only ENTER + KazSEE+ Ministry + UVigo)

DAY 4 – Strategic Alignment and Project Consolidation (Closed Session)

- **09:00 – 10:30** | Strategic De-brief and Analysis of Workshop Outputs
- **10:30 – 13:30** | Planning the Train the Trainers Programme I: Educator Recruitment Strategy & Messaging
- **13:30 – 14:30** | Lunch Break
- **14:30 – 16:00** | Planning Certification & Accreditation Routes
- **16:00 – 17:30** | Quality Assurance and Accreditation Standards

REMEMBER:

How to reach	Vigo: From the airport to the hotel, taking a taxi is the most convenient option (20-26€ aprox.). Vigo is a medium-sized city, but the Redeiras Building is located within walking distance of the hotels we've recommended. It can easily be reached with a pleasant walk through the city.
Special Needs, food intolerances/allergies...	Please, contact the organising team in advance so we can accommodate you to the best of our ability.
Organising Team:	<ul style="list-style-type: none">- Maria Isabel Doval, EDUFUSION NG coordinator at Uvigo mdoval@uvigo.gal +34 649880043- Tania Lago, project manager tania.lago.miguez@uvigo.gal