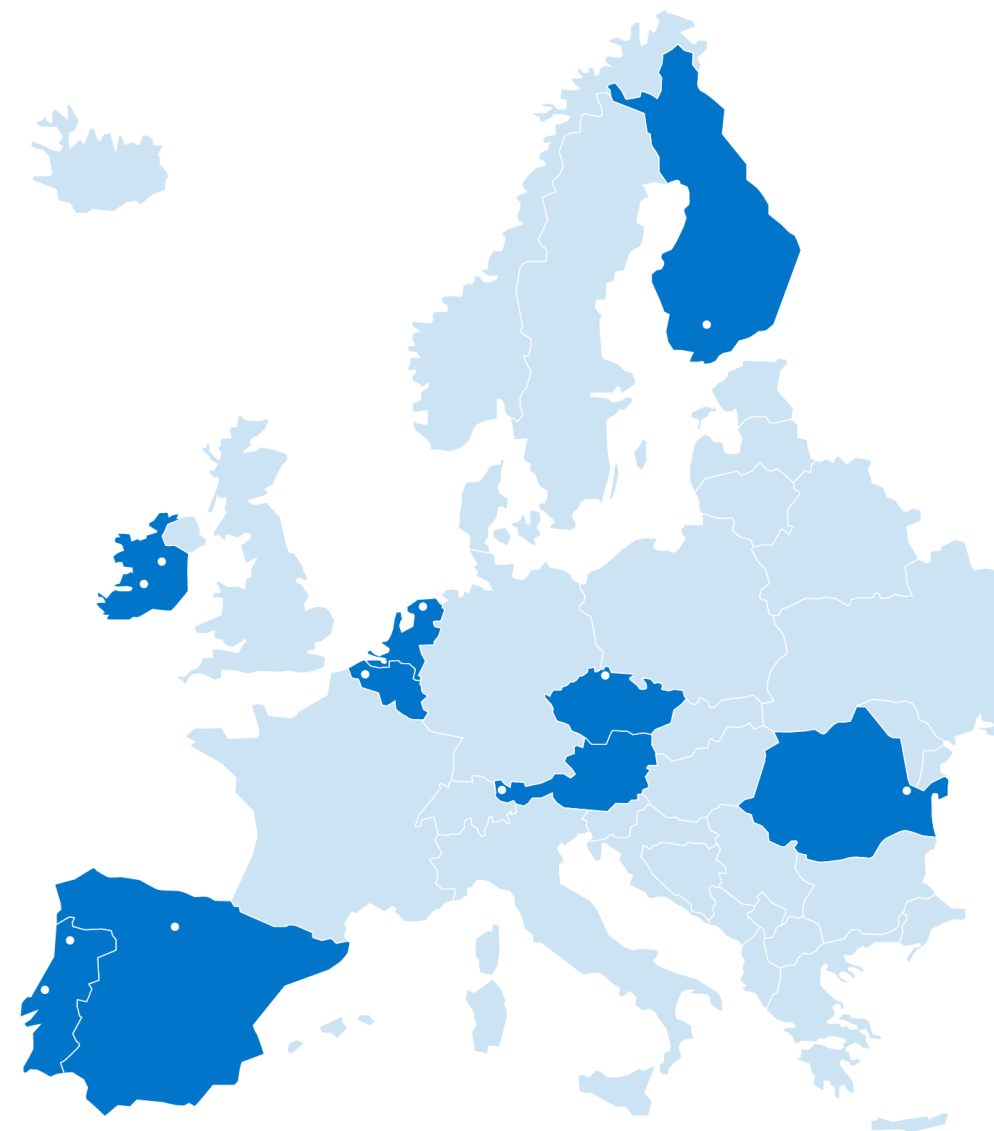# CATALOGUE OF RUN-EU RESEARCH PROJECTS

2025

SUMMARY OF RUN-EU PROJECTS

If you want to read more about RUN-EU, please visit the website
https://run-eu.eu/about-us/

Co-funded by the European Union

TUS

POLITÉCNICO DE LEIRIA

IPCA POLYTECHNIC UNIVERSITY OF CÁVADO AND AVE

HAMK Häme University of Applied Sciences

NHL STENDEN university of applied sciences

FHV Vorarlberg University of Applied Sciences

UNIVERSIDAD DE BURGOS

howest university of applied sciences

TECHNICAL UNIVERSITY OF LIBEREC

UNIVERSITAS GALATIENSIS

INTRODUCTION

The RUN-European Research Area (RUN-ERA) Catalogue of RUN-EU projects provides an overview of the successfully funded projects developed by RUN-EU in 2025, highlighting the breadth and impact of our work across national and European programmes. Throughout 2025, the project has supported and contributed to a diverse range of initiatives, demonstrating our growing capacity to engage collaboratively within the RUN-EU network.

This catalogue brings together our collective efforts into a clear and comprehensive overview of RUN-EU's increasing innovation capabilities and collaborative scope. It functions as a strategic tool for tracking progress, guiding future investments, and illustrating RUN-EU's growing significance to both regional, European and global stakeholders.

Looking ahead, we will continue to build upon this momentum, growing our involvement and driving forward with projects that address national and European priorities. Our RUN-EU alliance remains committed to nurturing strong collaborations and pursuing opportunities that strengthen both our impact and significance across the research and innovation landscape.

European Social Innovation & Democratic Education (EU SIDE)

Official Project Page:	https://eu-side.ipleiria.pt/
RUN-EU Cloud of Knowledge Webpage:	https://runplus.ipca.pt/research-management/projects/126
Financing Entity:	ERASMUS+
Start Date:	2025/03/01
End Date:	2028/02/29
Eligible Global Funding:	1.470.824,57€
RUN-EU Partners:	UBU, HAMK, Howest, IPCA, IPL, NHL Stenden, TUS

Description of the project:

The EU-SIDE EUropean Social Innovation & Democratic Education Teacher Academy, proposes a training programme incorporating networking and international mobility opportunities for in-service and pre-service teachers, from Primary to VET Education, based on blended learning opportunities (SAPs Short Advanced Programmes, BIPs Blended Intensives Programmes and MOOCs Massive Open Online Courses) at regional, national, and international level, scientifically tested and validated in real school settings though the use of a Design-Based Research methodology. Its mission is to provide educators with pedagogical principles as well as social innovation competencies and democratic values, through a continuous, multidisciplinary, and international learning process, leading to the creation of an international community of practice that fosters transnational collaboration among teachers and education stakeholders. The EU-SIDE project is engined by the European University RUN-EU Regional University Network, bringing together 9 partners and 30 associated schools from EU 6 countries, is expected to directly reach more than 975 in-service and pre-service teachers.

Boosting innovation and entrepreneurship in RUN European University (RUN InnoBoost)

Official Project Page:	https://innoboost.eu/
RUN-EU Cloud of Knowledge Webpage:	https://runplus.ipca.pt/research-management/projects/131
Financing Entity:	EIT-HEI
Start Date:	2025/04/01
End Date:	2027/04/30
Eligible Global Funding:	1.326.063,00€
RUN-EU Partners:	HAMK, FHV, Howest, IPCA, IPL, NHL Stenden, TUS, UBU

Description of the project:

The aim of the RUN-InnoBoost project is to boost RUN-EU Innovation Hubs as interregional innovation and entrepreneurship networks through targeted activities that enhance our students' and staff's entrepreneurial capacity, establish interregional innovation pipelines, and create organisational structures that facilitate business creation. This project will leverage and expand existing and planned RUN-EU initiatives and creates a tangible pipeline in the form of Living Labs between knowledge creation, innovation capacity building, and knowledge valorisation. The project's thematic focus would align with the strategic objectives of EIT Food and EIT Digital.

The project achieves these objectives via blended educational activities, such as RUN-InnoBootCamps for students, and specific trainings for researchers and teachers in the areas of bioeconomy, food systems, digital and future industries. We will also conduct extensive mapping and benchmarking of existing knowledge valorisation structures within RUN-EU partners for the purpose exchanging best practices and harmonising structures. The educational activities and the improved institutional structures will feed into the establishment of Living Labs for business creation and start-up support. The operational model for the Living Labs will be created and developed during the project and the model will be scaled up within RUN-EU to form transdisciplinary Hubs around the existing RUN-EU Innovation Hubs. The Living Labs will include mentoring programmes, business partnerships, and business coaching and services. In addition, the Living Labs will include a platform for interregional internships for RUN-EU students which facilitates further knowledge triangle integration across borders.

The RUN-InnoBoost project activities target our students, researchers, teachers, industry members, regional SMEs, and other regional stakeholders. The activities are designed to engage all these target groups to achieve our objectives and the objectives of the EIT-HEI Initiative.

AgriOpen	
Official Project Page:	https://erasmus-plus.ec.europa.eu/pt-pt/projects/search/details/101237753
RUN-EU Cloud of Knowledge Webpage:	https://runplus.ipca.pt/research-management/projects/134
Financing Entity:	ERASMUS+
Start Date:	2025/10/01
End Date:	2029/09/30
Eligible Global Funding:	1.000.000,00€
RUN-EU Partners	HAMK, NHL Stenden

Description of the project:

The government of Kenya has made decision to embrace open and distance learning (ODL) in all education levels. This is aimed at opening education opportunities to all including out of school population. Kenya is an agricultural country with over 80% of the population relying on agriculture for their livelihood. Sadly, majority of the people working in agricultural sector, lack the skills and more so digital skills to improve their production and income. Universities are expected to reach out the community with relevant skills and knowledge. Currently, ODL is implemented in very limited ways in the institutions of higher learning where resources have been availed to build capacity and develop content for open and distance learning. The AgriOpen project is designed to work with selected agricultural universities in Kenya, the Kenyan Commissions for Higher Education, the ministry of education, the Inter University Council for East Africa (IUCEA) in collaboration with EU partners. The team will capacity build HEIs staff and prepare locally contextualized Open Learning modules with piloted and tested tools and protocols for curricula planning, implementation and retooling of teachers. The overall objective is to strengthen Kenya's educational authorities capacity to support, manage, and govern competency-based, world of work-relevant, accredited, inclusive, and widely accessible higher education in agriculture for lifelong learning and sustainable national development.

Robotics for Dynamics Learning-Based Autonomous Handling of Multi-Articulated Conveyor Trolleys in Real and Simulated Environments

RUN-EU Cloud of Knowledge Webpage:	https://runplus.ipca.pt/research-management/projects/137
Financing Entity:	FCT
Start Date:	2026/01/01
End Date:	2029/12/31
Eligible Global Funding:	81.098,76€
RUN-EU Partners:	IPCA, TUS, IPL

Description of the project

This project aims to develop a robotic framework for the autonomous transportation of non-rigid object convoys, a task commonly encountered in logistics and service environments. These convoys, composed of stacked or loosely coupled units, present substantial challenges due to variable traction, non-rigid articulation, and the absence of unified dynamic models. The proposed solution will address the limitations of current human-operated methods by designing a scalable robotic system capable of managing such convoys safely and efficiently. Development will rely on high-fidelity simulation platforms, including NVIDIA Isaac Sim, and virtualization tools to iteratively train and evaluate control strategies. Imitation learning will be used to replicate expert human behaviour, enabling adaptive and context-aware motion planning. The project further aims to generalize the learned behaviour across similar scenarios by developing a robust, transferable foundation model. The expected contribution is a validated robotic solution for convoy handling with real-world applicability in complex, unstructured environments.
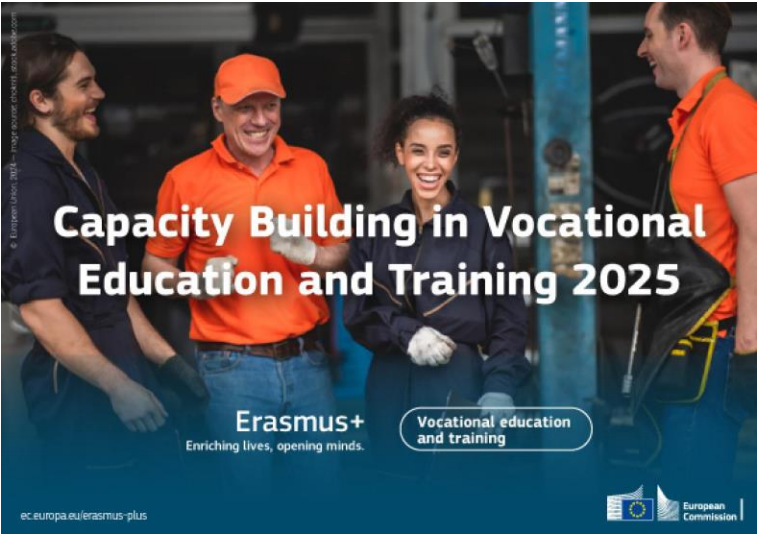
Inclusive Labor Market Participation enhanced through vocational teachers' continuous professional development in digitalisation, gender, inclusion, entrepreneurship, and private sector collaboration - DECENT

RUN-EU Cloud of Knowledge Webpage:	https://runplus.ipca.pt/research-management/projects/153
Financing Entity:	ERASMUS+
Start Date:	2026/01/01
End Date:	2027/12/31
Eligible Global Funding:	400.000,00€
RUN-EU Partners:	HAMK, IPL

Description of the project:
In this project, we aim to strengthen vocational education and training (VET) -private sector collaboration and improve the quality and responsiveness of VET. In DECENT, we aim to address the challenges of low level of VET-Industry collaboration, gender equality,inclusion in the labour market, and digital transformation by skilling VET teachers, as they are the main vehicle for the improvement of quality. To overcome the slow pace of official VET teacher education, we introduce possibilities for VET Teachers' Continuous Professional Development (CPD) in the mode of short courses for most topical issues. Together with five partners we co-create five short courses on 1) gender equality in VET and in labour market, 2) inclusion in VET and the labour market, 3) digital pedagogy to overcome geographical disparities, 4) entrepreneurship for decent income for youth, and 5) VET-private sector collaboration to increase the responsiveness of VET to labour market requirements. These courses are piloted, and the final contents are modified according to the feedback received. The CDP courses are a supplementary resource for undertrained VET teachers. By the end of the project, each Mozambican partner will have an organizational handbook on how they can replicate similar CPDs in the future for wider impact. The impact will be the better employability of the VET graduates and smooth transition of skilled youth from VET to the inclusive labour market of Mozambique. The project fosters the employability of the youth and economic growth in the country. Digitalization develops
sustainable pedagogical approaches. By addressing gender equality and social inclusion we promote a more just society in Mozambique.

Capacity Building in Vocational Education and Training 2025

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ec.europa.eu/erasmus-plus

European Commission

Tailored Training Solutions for Industrial Professionals: A Personalized Learning Platform

RUN-EU Cloud of Knowledge Webpage:	https://runplus.ipca.pt/research-management/projects/135
Financing Entity:	FCT
Start Date:	2026/01/01
End Date:	2029/12/31
Eligible Global Funding:	82.716,78€
RUN-EU Partners:	IPCA, TUS

Description of the project:

The Future of Jobs 2023 report, skills gaps in the labour market as a significant obstacle to Industry 5.0 transformation. This shift emphasizes human-centric approaches and the need for a skilled workforce to navigate modern challenges and technological advancements. As Industry 5.0 reshapes professional roles, personalized training becomes increasingly crucial to prepare professionals for this new era, fostering continuous development and empowering them to adapt to evolving industrial demands. Despite the recognition gained by training, concerns persist about oversimplification and generalization in their methods. Current approaches fail to equip professionals with the skills needed to thrive in industrial environments, leading to a gap between training outcomes and practical tasks. Recognizing this gap, the Industrial Metaverse emerges as a solution, offering immersive and interactive experiences tailored to professionals' and industry's specific needs. This study aims to bridge this gap by developing a digital platform for industrial training and personalized learning using immersive technologies, gamification techniques, and artificial intelligence. This platform enables the use of relevant information to generate new digital content specifically designed to address the skills gap in professionals. By incorporating immersive training, artificial intelligence algorithms, and gamification elements, effective efficient, and personalized training can be achieved.

TINKERVERSE - SkillBuilders Lab: Tinker, Discover, Learn!

RUN-EU Cloud of Knowledge Webpage:	https://runplus.ipca.pt/research-management/projects/151
Financing Entity:	ERASMUS+
Start Date:	01/03/2026
End Date:	28/02/2029
Eligible Global Funding:	996.043,32€
RUN-EU Partners:	UBU, HAMK, Howest, IPCA, NHL Stenden

Description of the project:

The TINKERVERSE project, SkillBuilders Lab: Tinker, Discover, Learn!, aims to address the EU-wide decline in foundational skills—literacy, mathematics, science, and digital competence—by establishing an inclusive, transnational network of educational Maker Spaces from Early.Childhood Education and Care (ECEC) to Primary and Secondary Education (3-15). Coordinated by Universidad de Burgos and embedded within the RUN-EU alliance, TINKERVERSE promotes a systemic transformation of teaching and learning practices through interdisciplinary, hands-on, and project-based methodologies rooted in Maker Education. The project will implement a 'hub-and-satellite' model to create regional clusters of innovation, enabling central Maker Spaces to support surrounding schools, particularly in rural and underserved areas. These environments will host scaffolded activities—ranging from digital storytelling to environmental monitoring and AI experiments— tailored to learners aged 3–15. This will enhance cognitive, digital, and transversal skills, especially among students from disadvantaged, multilingual, or migrant backgrounds. TINKERVERSE will also empower educators through a GreenComp-aligned micro-credential training programme and co-develop open educational resources in multiple languages. A comprehensive roadmap and self-assessment toolkit will support institutional adoption of a Whole Institution Approach to sustainability.

PrevenCare - Bridging Rehabilitation and Everyday Functionality

RUN-EU Cloud of Knowledge Webpage:	https://runplus.ipca.pt/research-management/projects/133
Financing Entity:	FCT
Start Date:	2026/01/01
End Date:	2029/12/31
Eligible Global Funding:	77.862,72€
RUN-EU Partners:	IPCA, TUS

Description of the project:
This research aims to advance physiotherapeutic interventions for patients with upper-limb motor impairments by proposing a novel system to identify daily tasks most affected by motor limitations, with Deep-Learning principles, and provide personalized treatment to target specific functional challenges. The development will encompass both hardware and software domains to assess and improve upper-limb function. The hardware consists of a modular, sensor-equipped device that attaches to common household tools (e.g., utensils, brushes) to evaluate patients' reach and grasp performance. It integrates a next-generation medical navigation system, developed by Ommo Technologies (Carrollton, U.S.), which enables precise movement tracking in rehabilitation settings. Additionally, the device functions as a game controller for a software platform that offers personalized, gamified physiotherapy exercises tailored to the identified challenges in daily activities. The goal is to create a comprehensive system that supports post-stroke patients in regaining autonomy through personalized treatment.

fct

Our students will inherit the future

REGIONAL UNIVERSITY NETWORK

EUROPEAN UNIVERSITY