



Good practice

LCAMP: Learner Centric Advanced Manufacturing Platform

Working Group: Research & Innovation (R&I)

Member States and other countries: Belgium, Canada, France, Germany, Malta, Netherlands, Slovenia, Spain, Sweden, Turkey, United Kingdom

Thematic area: Jobs and Skills

Basic project details

Lead organisation:

TKNIKA - Basque VET Research Centre - Spain

Partner organisations:

The LCAMP consortium is composed of 20 full partners from 11 countries, of which 9 are educational organisations, 7 are industrial companies and 4 are Vocational Education and Training (VET) and industrial associations. LCAMP is also supported by 60 associated partners. The full partners are: Department of Education of the Basque Government, AFM, DHBW, FORCAM, CMQ, MECANIC VALLEE, DA VINCI COLLEGE, KIC, MADE, AFIL, EARLALL, KPDoNE, GEBKIM VET, GEBKIM OIZ, CNG, SIMUMATIK, TSCMB, SKUPNOST VŠŠ, CAMOSUN COLLEGE.

Project duration: 2022 – Ongoing



Overview and objectives

LCAMP aims to become the European reference platform for knowledge generation, exchange, collaboration, and service provision for VET/HVET (Hybrid Vocational Education and Training) centres and companies within the advanced manufacturing sector across the EU. It promotes collaboration and networking between VET/HVET centres and companies to reduce skill gaps and transfer knowledge. The main goal of this project is to reduce skill gaps in the Advanced Manufacturing sector and transfer knowledge between VET centres and companies.

Context

The need to address skill gaps in the Advanced Manufacturing sector and improve collaboration between educational institutions and companies. It also aims at improving regional growth and development in those territories where Advanced Manufacturing is a key sector.

Target groups

VET/HVET centres, companies, company associations, VET learners, public authorities.

Actions

The LCAMP platform centres around six actions:

- **LCAMP Alliance:** The LCAMP Alliance is a network for collaboration between organisations involved in Advanced Manufacturing and Vocational Education and Training. It aims to address challenges such as the limited VET capacity, lack of awareness of existing strategies, inflexibility, and insufficient integration of soft skills in the VET system;
- **Skills and Jobs Observatory:** An observatory that provides up-to-date and user-friendly information on current skills trends, gaps and skills predictions for Advanced Manufacturing;
- **Open Innovation Community:** An open community that aims to promote applied research development projects. The efforts focus mainly on the interaction between Centres of Vocational Excellence and Small and Medium Enterprises;
- **Learner-Centric Training:** The Learner-Centric Training aims to launch and revise existing micro-credential programmes for learners and workers in the Advanced Manufacturing Industry. The action also creates a skills assessment tool, launches a course database and identifies future learning pathways;
- **Collaborative Learning Factories (CLFs):** This is a concept to bring together the principles of collaborative learning and the structure of a factory-like environment. This is to enhance the learning experience and is the first Collaborative Learning Factory in Advanced Manufacturing at the EU level;
- **SME-VET Connection:** LCAMP acts as a link between digital transformation journeys on Small and Medium Enterprises (SMEs) and the training delivery from VET centres to accelerate the delivery of training delivered on advanced manufacturing.

Financial allocation

Total budget: EUR 5 000 000

EU co-funding: Yes

Sources of funding: Erasmus+



Working Group Insights

“In agreement with the other members of the R&I WG, I selected this good practice because LCAMP exemplifies how strategic partnerships, and lifelong learning can drive innovation and regional development. It is designed to bridge skill gaps, enhance knowledge transfer and provide training opportunities to ensure a skilled workforce that meets evolving industry needs.

By providing training and a platform with an overview of training opportunities, jobs and a community for innovation, the project contributes to enhancing talent retention and attraction by fostering collaboration among educational institutions, industries, and policymakers to bridge skill gaps, enhance knowledge transfer, and provide cutting-edge training opportunities, ensuring a skilled workforce that meets evolving industry needs. This project enhances collaboration and networking between VET/HVET centres and companies, through which it helps reducing skill gaps and improved knowledge transfer”.

NOELIA CANTERO

Director, EARLALL European Association of Regional & Local Authorities for Lifelong Learning

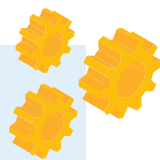
Results

One of the main outputs generated through this project is the creation of a ‘Skills and Jobs Observatory’. So far, 10 regional observatories have been established to which 40 experts have contributed input and data. An Open Innovation Community has also been formed, as well as an LCAMP alliance with 30 members. The LCAMP Alliance is a collaborative network for organisations involved in Advanced Manufacturing and VET. Its goal is to address challenges like limited VET capacity, lack of awareness of strategies, inflexibility, and insufficient integration of soft skills in VET systems. In the Learner-Centred Training section, LCAMP developed new (and revised existing) micro-credential programmes for learners and workers in Advanced Manufacturing, created a skills assessment tool where 1000 skill profiles have been assessed, launched a course database, and identified future learning pathways. The course database currently consists of more than 500 upskilling and reskilling learning opportunities centred on industry 4.0, with 75 sector-specific courses at European Qualifications Framework (EQF) level 3-6 /100 micro-credential courses available (EQF levels 3 to 6). 500 micro-credentials have also been issued for upskilling.



Success factors

Strong collaboration between partners strengthens the support base of the project, allowing it to have a large outreach and effect. The effective use of the LCAMP platform, and the platforms’ focus on learner-centric training and innovation also contributes to the success of the project in attracting and retaining talent.



Implementation challenges

One of the main challenges that the project faced was the coordination of the large and diverse consortium spanning multiple countries, sectors, and organisational types. Ensuring effective communication and alignment of goals among educational institutions, industrial companies, and associations required significant effort. Adapting micro-credential programmes and training tools to different regional and national contexts was also a challenge. Finally, sustaining engagement from SMEs and guaranteeing the long-term integration of new skills and innovations into existing VET systems has been quite challenging as well.

The conclusion of our expert Noelia Cantero, Director of EARLALL (European Association of Regional & Local Authorities for Lifelong Learning)

“The key elements of this good practice are undeniably the setting-up of the Skills and Jobs Observatory, which provides up-to-date and user-friendly information on current skills trends, gaps, and skills prediction in Advanced Manufacturing, as well as the development of Collaborative Learning Factories—an innovative concept of cooperation between training providers and companies from different regions in Europe”.

Useful sources

Official website: <https://lcamp.eu/>

https://x.com/LCAMP_CoVEs

<https://lcamp.eu/activities/course-catalogue/>

[LCAMP: responding to Advanced Manufacturing skills needs by putting learners first](#)

Contact

E-mail: secretariat@harnessingtalentplatform.eu

Website: https://ec.europa.eu/regional_policy/policy/communities-and-networks/harnessing-talent-platform_en

