



# NEWSLETTER

THE FUTURE OF ADVANCED MANUFACTURING

“  
An international project  
working to build a  
sustainable future of  
Advanced Manufacturing,  
starting with the learner

 **Welcome to the LCAMP Newsletter!**







*In this edition, you will learn more about LCAMP cooperation with local and regional stakeholders, our last activities (Skills and Jobs Observatory, Open Innovation Community, Strategic Alliance and Learning Factories in VET) and you will find out how LCAMP is supporting students in Advanced Manufacturing. Furthermore, we will travel to Canada where we will speak with the Director of the Camosun College in Victoria BC.*

*Finally, find out about the different events where LCAMP-ers had the opportunity to introduce our latest activities.*

**Enjoy!**

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*LCAMP is working to provide the skills for the future of Industry 4.0, as the project aims to become the European reference platform for knowledge, generation and exchange, collaboration and service provision for VET/HVET centres and companies working in the Advanced Manufacturing sector.*

# NEWS

## LCAMP-ERS WILL MEET IN EARLY 2024 IN MILAN

The next LCAMP - Learner Centric Advanced Manufacturing Platform for Centre of Vocational Excellence (CovEs) project meeting will take place on the 15-17 January 2024 in Milan (Italy), hosted by MADE Competence Center Industry 4.0 and AFIL - Associazione Fabbrica Intelligente Lombardia.

The programme includes an ADMA methodology training and a tour of MADE technology areas.



## THIRD IN-PERSON TRANSNATIONAL PARTNERS' MEETING IN TÜRKIYE

On 14-15 June 2023, Kocaeli Provincial Directorate of National Education, in coordination with LCAMP partners Gebkim Vocational and Technical Anatolian High School and GEBKİM OIZ hosted the third in person transnational partners meeting.

Overall, the two days were an excellent opportunity for LCAMP partners to strengthen their connections across the international consortium and served as a key milestone one year into the project to take stock of the progress and to plan the next three years of the project.



[Read more](#)

## INSIGHTS INTO THE REPORT “TRANSFORMATION OF MANUFACTURING: EMBRACING GREEN AND DIGITAL SKILLS’ (CECIMO, 2023)

LCAMP partnership and CECIMO – the European Association of Manufacturing Technologies cooperated in the context of the release of a CECIMO report entitled “Transformation of Manufacturing: Embracing digital and green skills.”

Due to the relevance of the CECIMO report on skills in the manufacturing sector, the LCAMP research team has responded!

Furthermore, the Spanish Advanced Manufacturing Cluster comprises the Association of Manufacturers of Machine Tools (AFM, Spain) LCAMP’s partner is one of the members of CECIMO.



[Read more](#)

# LOCAL STAKEHOLDERS EVENTS

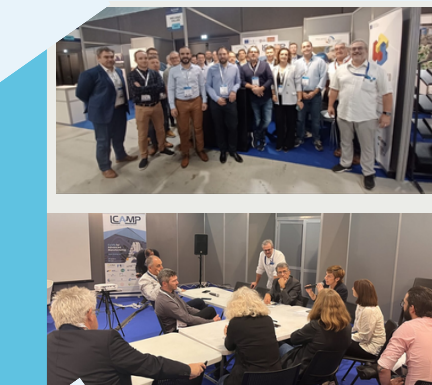
During the life of the project, partners organise different activities, such as focus groups, webinars, and in-person events... to collect stakeholders' inputs and ideas. Here below you will find a summary of the first regional events.



## IN MILAN...

On the 31st May and on the 21st November 2023, Italian LCAMP partners **AFIL- Associazione Fabbrica Intelligente Lombardia** and **MADE Competence Center Industry 4.0** organized two events (one hybrid and one virtual) to present EU opportunities for the digital and green transitions to manufacturing SMEs from Lombardy, with a special focus on ADMA Trans4MErs and LCAMP projects.

[Read more](#) 



## IN TOULOUSE...

On 19 October 2023, LCAMP partners **Campus des Métiers et des Qualifications d'excellence Industrie du futur (CMQ)** et **Mécanic Vallée (MV)** organised the first Local Stakeholders Regional Event at the **SIANE fair** (Toulouse).

[Read more](#) 

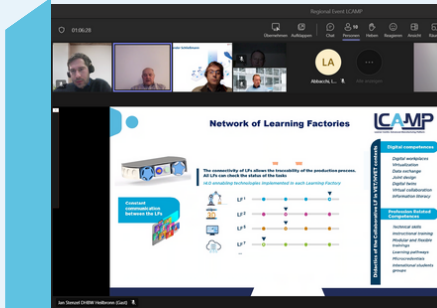


## IN SLOVENIA ...

The **School Center Nova Gorica** recently hosted an exciting event organised by the **Association of Slovene Higher Vocational Colleges (Skupnost VSS)** and attended by final-year VET students and 20 industry players from across Slovenia. ,

[Read more](#) 

# LOCAL STAKEHOLDERS EVENTS



## IN GERMANY...

On the 30st of November 2023, German LCAMP partners DHBW – Duale Hochschule Baden-Württemberg and FORCAM welcomed six industry experts from the training sector to their virtual event from the DHBW Heidenheim.

[Read more](#)



## IN TÜRKIYE ...

On December 13, 2023, the LCAMP project took a significant stride forward as Turkish local stakeholders converged in a virtual space for a webinar co-hosted by Kocaeli Provincial Directorate of National Education (KPDONE) and Kocaeli Gebze V (Chemical) Specialized Organized Industrial Zone (GEBKIM OIZ). With a dynamic participation of about 40 attendees, the event showcased the collaborative spirit driving the Horizon Europe Erasmus+ initiative.

[Read more](#)



## IN THE BASQUE COUNTRY...

On 15 December 2013, Tknika welcomed 37 representatives from different Basque VET centres related to Advanced Manufacturing and Industry 4.0 gathered to learn more about the LCAMP project.

During three hours of event, participants discussed the advantages of joining such an alliance to continue promoting internationalisation, innovation, and high-quality education in the VET centres.

[Read more](#)

# ACTIVITIES



**NEW REPORT**

**a skills and jobs observatory**

on Advanced Manufacturing tendencies from a VET perspective



**NEW REPORT**

**an open innovation community**

of best practices to articulate applied research actions



**learner-centric training**

for advanced manufacturing



**NEW REPORT**

**collaborative learning factories**



**SME – VET connection**

## SKILLS AND JOBS OBSERVATORY

The LCAMP Observatory seeks to provide up-to-date and user-friendly information on the current skills trends, gaps and skills prediction in Advanced Manufacturing.



**NEW REPORT**

The new Observatory report, produced by 20 authors, presents some of the main Advanced Manufacturing future trends and predictions within the sector. The report has been evaluated and validated by 45 experts from across Europe.

[REPORT](#)

## OPEN INNOVATION COMMUNITY

The Open Innovation Community aims to promote applied research and development projects, mainly between Centres of Vocational Excellence and Small and Medium Enterprises.



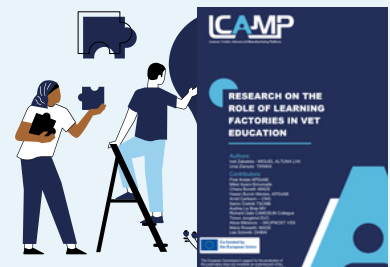
**NEW REPORT**

Find out how the LCAMP Open Innovation Community will work. It starts from the analysis of various elements that are relevant for the Community and how these elements can interact with each other in a holistic way that leads to innovation in VET centres and SMEs.

[REPORT](#)

## COLLABORATIVE LEARNING FACTORIES

The Collaborative Learning Factory (CLF) is a concept that brings together the principles of collaborative learning and the structure of a factory-like environment to enhance the learning experience. LCAMP will be the first Collaborative Learning Factory in Advanced Manufacturing at EU level, and probably worldwide



**NEW REPORT**

The report is divided in two parts. The first examines the various approaches to the setting up of Learning Factories (LF) in VET centres, their different contexts, and the challenges they face in different countries (France, Germany, Italy, Netherlands, Slovenia, Spain, Sweden, Türkiye, and Canada). The second describes the main features of the physical learning scenario.

[REPORT](#)

## STRATEGIC ALLIANCE

The Alliance brings together **VET** (Vocational Education and Training) **providers, industry stakeholders** and, of course, **learners** in the field. The alliance will operate with a **learner-centric approach**, meaning that it prioritises the needs and development of learners—putting them at the forefront of their initiatives.



The **overarching goals of the Alliance** are to develop **talent in the field of Advanced Manufacturing, reduce skill gaps through education and training; transfer knowledge and expertise among members for their capacity-building** and to **build a sustainable future for Advanced Manufacturing.**



[JOIN US](#)

# PEOPLE IN FOCUS

## LEARNERS



### STUDENTS OF THE ADVANCED MANUFACTURING SPECIALISATION WORKING ON THE LCAMP ROBOT

In the VET Center, Miguel Altuna LHII (located in Bergara, Basque Country, Spain), students are following Advanced Manufacturing courses. To work on these competencies, the teachers of this speciality have considered the scenario provided by the Collaborative Learning Factory (CLF) of the LCAMP project as the best learning scenario. This scenario provides the opportunity to work on a real product and process that is also very close to the reality of the business world. The CLF is part of WP6 of the project, which Miguel Altuna LHII is leading.



[Read more](#)

## BEYOND EUROPE



**WE AT LCAMP ARE NOT INTERESTED IN TRAINING MANUFACTURING AUTOMATONS THAT WILL PERFORM PRE-DETERMINED TASKS AND REPLICATE PRESCRIBED SOCIAL AND ECONOMIC ROLES; INSTEAD WE ARE STRIVING TO BUILD A NEW KIND OF MANUFACTURING EDUCATION THAT CELEBRATES THE CRITICAL PERSPECTIVES AND CREATIVE ACUMEN OF OUR STUDENTS, ASKING THEM TO NOT ONLY LEARN FROM A CURRICULUM, BUT CONTRIBUTE TO IT, CRITIQUE IT, AND CONFOUND IT FOR THE BENEFIT OF THE LEARNER, THE TEACHER, THE INDUSTRY, AND THE SOCIETY.**



Dr Richard Gale



To build the first European Learner-Centric approach Platform in Europe, LCAMP teamed up with applied research specialists from non-EU Countries, such as Camosun College from Canada.

In this edition of "People in Focus..." we talk with Dr Richard Gale, Director of Camosun Innovates, an advanced manufacturing research and development centre serving the needs of students, faculty, SMEs, NFPs, and the public sector at Camosun College in Victoria BC. and one of the 20 VET colleges participating in LCAMP.

[Let's talk with Dr Richard Gale](#)

# LCAMP AROUND THE WORLD



## LCAMP EXCHANGES WITH SWEDISH REGIONAL SKILLS EXPERTS

On 22 September 2023, LCAMP partner, **Simumatik** was invited to introduce the project at the Västsvenska EU-konferensen 2023 (West Sweden EU Conference) in Skövde region (Sweden). The West Sweden EU Conference (Västsvenska EU-konferensen) is an opportunity for knowledge and inspiration for colleagues and decision-makers who work for local and regional development from a European perspective. LCAMP was invited to participate in the “learning factory” session.



[Read more](#)

## EU VOCATIONAL EXCELLENCE FORUM 2023

Another year, another successful EU Vocational Excellence Forum brought together VET passionate to the Netherlands. The innovation of VET has moved forward thanks to the European Commission initiative the “Centers of Vocational Excellence”.



[Read more](#)

## ADVANCED MANUFACTURING AND MACHINE-TOOL CONGRESS

The 23rd edition of the Advanced Manufacturing and Machine-Tool Congress took place in San Sebastian from October 25 to 27, with the participation of more than 550 people from companies, technology centres and universities in the field of advanced and digital manufacturing.



[Read more](#)

## EU SOCIAL FORUM 2023 LOOKING INTO AI AND THE WORLD OF WORK

On 16 and 17 November 2023, **EARLALL** participated in the second edition of the European Employment & Social Rights Forum, organised by the DG for Employment, Social Affairs, and Inclusion of the European Commission in Brussels.

Participants had the opportunity to participate in four parallel sessions on social innovation and AI, the role of data, and digital skills in the European Year of Skills. Iñigo Araiztegui (**Director of Internationalisation at Tknika, Basque Government**) was invited to participate in this last session.



[Read more](#)

# LCAMP AROUND THE WORLD



## VET SUMMIT 2023 “ADVANCING TOWARD THE UNIMAGINABLE” TOOK PLACE IN THE BASQUE COUNTRY

On 22-23 November 2023, the **Basque Government Education Department Vice-Ministry of VET** invited experts in the Education and Training sector to join the VET Summit 2023 and to reflect on the role that humans will play in a technology rapidly changing world.

LCAMP-ers from **TKNIKA** (organisers), **Miguel Altuna**, **Curt Nicolin High School** (Sweden) and **Kocaeli, Turkish Ministry of National Education** (Türkiye) participated among the more the 400 participants coming from 23 countries, to jointly discuss the opportunities, challenges, and risks of smart digital transformation.



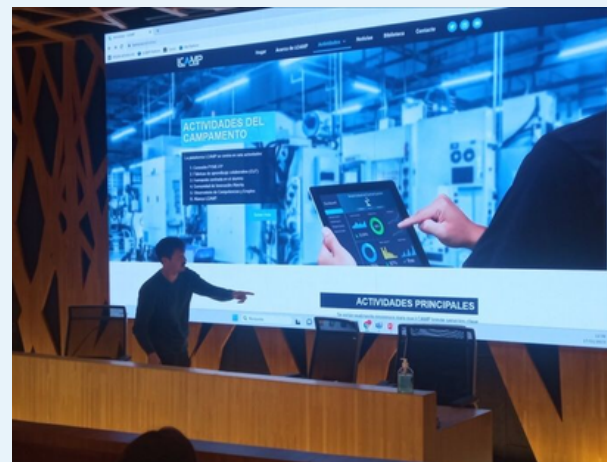
*LCAMP-ers family picture at the VET Summit in San Sebastian.*



*Mr Jorge Arévalo introduced the Basque Country Department of Education strategy.*



*Project coordinator speaking at the Spanish local radio, La Ser.*



*Miguel Altuna introduced the project at the European Projects of the VET Centres gathering in Tknika.*



# MEET THE TEAM



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 VET and industrial associations. The consortium is also supported by 60 associated partners.



[Meet the team](#)

