



Launch of the Erasmus+ Project: Lab of the Future



Empowering VET centres and Digital Labs with AI, VR, and Cloud-Integrated LIMS'

October 2025 marked the start of the Erasmus+ project "Lab of The Future: Empowering VET centres and Digital Labs with AI, VR, and Cloud-Integrated LIMS" with the first kick-off meetings organised in Valencia on 1-2 October 2025.

Lab of the Future is a co-funded European project that **supports the modernisation of laboratories through practical training in advanced digital technologies**. The project brings tools such as artificial intelligence, automation, and LIMS systems closer to laboratory technicians and VET students, helping them understand their real applications in educational and professional settings.

The **main objective** of the project is to develop training materials to improve the digitalisation skills of laboratory technicians, vocational training students and trainers of formal and non-formal courses, with the aim of promoting the digital and green transition in the laboratory sector. Besides, Lab of the Future seeks to train 192 lab technicians and VET students through 5 Training Sessions at local and EU level, the development of a European Digitalization Working Group with 60 participants engaged and the co-creation of 32 Digitalization Roadmaps for VET Centres and EU labs to integrate the digitalization and the training programme tools and techniques into their daily operations.

The Lab of the Future consortium is formed by **Novotec** (Spain), a consultancy firm specialized in laboratory services and quality assurance, **Fundación Equipo Humano** (Spain) focused on employment, training and European project management, **IES Peset** (Spain) a formal VET centre specialized on digital and lab studies and training, **Ambidata** (Portugal), company providing digital solutions for laboratory management, specialized in Cloud-LIMS solutions, **Metricode** (Italy) operating in the industrial weighing sector through the creation of software and digital solutions, **CKM** (North Macedonia), focused on improving knowledge management through digital learning and platforms. **Eurolab** (Belgium), Europe's leading network representing testing, measurement and analytical laboratories and **EfVET** (Belgium) EU network of vocational education and training institutions.

The **first meeting** brought together all partners that discussed the internal procedures and management, the communication, dissemination and exploitation strategy, project deliverables, project implementation and next steps towards the development of the targeted innovative training resources to help laboratories, especially small and medium-sized ones, to meet the challenges of digitalization. As a key milestone achieved in the meeting, partners agreed about the development of the training modules, focused on Green Technology, AI and Machine Learning, Virtual Reality, IoT, Cloud Management and Information Management Systems (Cloud-LIMS) for Laboratories and VET Centres.

In the following months, the project will identify successful digitalisation practices, it will develop the training units and will implement digitalisation strategies in laboratories and training centres.

Key information

Lab of The Future Project: Empowering VET centres and Digital Labs with AI, VR, and Cloud-Integrated LIMS

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