

**2022**

**INFORMATIONAL  
BROCHURE**

# INNO-TEC-LAB OBJECTIVES



INNO-TEC-LAB is a **collaborative project** for the development of methods and tools for research, training and learning in the changing structures of the complex globalized society. More specifically, it aims to create and validate an **interdisciplinary model** to support innovation in the field of **design** and set the basis for future developments on transdisciplinarity.

A **network** of innovation laboratories allows to explore and configure phygital environments defining and testing approaches and methodologies, tools and materials to facilitate **learning and training**. The INNO-TEC-LAB **digital platform** connects people facilitating the generation and exchange of knowledge.

In the field of **technical careers** in design a series of deficiencies have been detected between the European labor market's needs and the skills provided by curricula. **Higher Education** must respond to the demands of a changing society by implementing the development of skills that reflect the real needs of people and today's **working environment** from the multiple standpoints of job seekers, employees and employers alike – providing new forms of flexibility and security, integrating inter-transdisciplinarity approaches. This calls for the definition of novel curricula, educational methods and thus the development of new training courses where basic skills are met with new key competences, such as **digitalization, innovation and sustainability**. In view of this, INNO-TEC-LAB is characterized by a framework and multiple applicable models to ground innovation for Higher Education, trainers and students. Digital skills and competences, inclusion and sustainability essential features, along with future trends and market challenges.

# INNO-TEC-LAB

## LEARNING MODULE

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This learning module establishes the general guidelines for the acquisition of **new knowledge** and **practical experience** through a pedagogical approach that defines the following aspects.

- **Objectives** for student learning outcomes and the competencies and skills to be developed.
- **Specific activities** to be carried out by the students.
- **Communication processes and methods:** peer-to-peer, student-teacher, teacher-teacher.
- **Resources** required for the implementation of learning activities.
- **Assessment** methodology.

The main goal of this learning module is to serve as a foundation for the courses that instructors will attend and deliver (INNO-TEC-LAB).

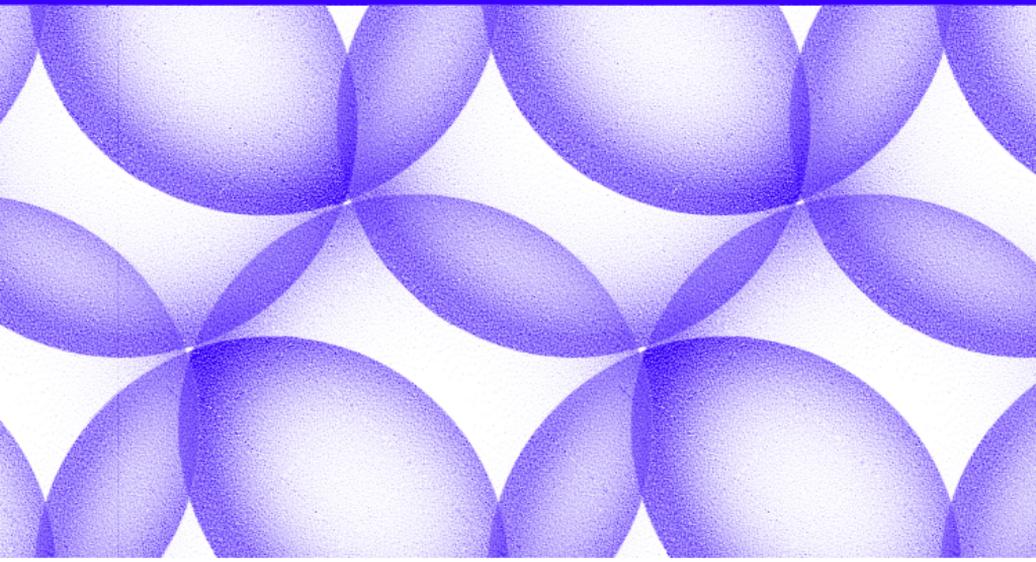
# ONLINE

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# TRAIN-THE-TRAINERS

The learning module supports a complete online train-the-trainers creation to help teachers create **high-quality online courses** and **virtual learning environments**.

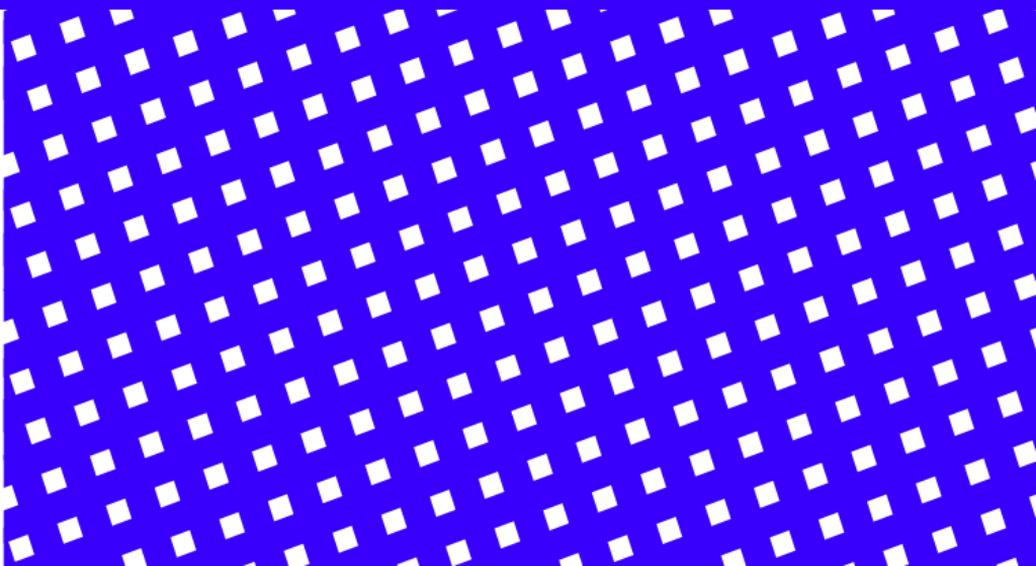
Train-the-Trainers addresses the changing role of teachers and teaching practises, covering topics such as **new technologies, 21st century skills,** and **inclusivity**. After this training, teachers can redesign an existing course or create a new one. Transfer and potential are high, as users of the training successfully and sustainably apply the knowledge, skills, and attitudes acquired during the training to later become highly qualified and versatile in teaching courses to students.



# INNO-TEC-LAB COURSES

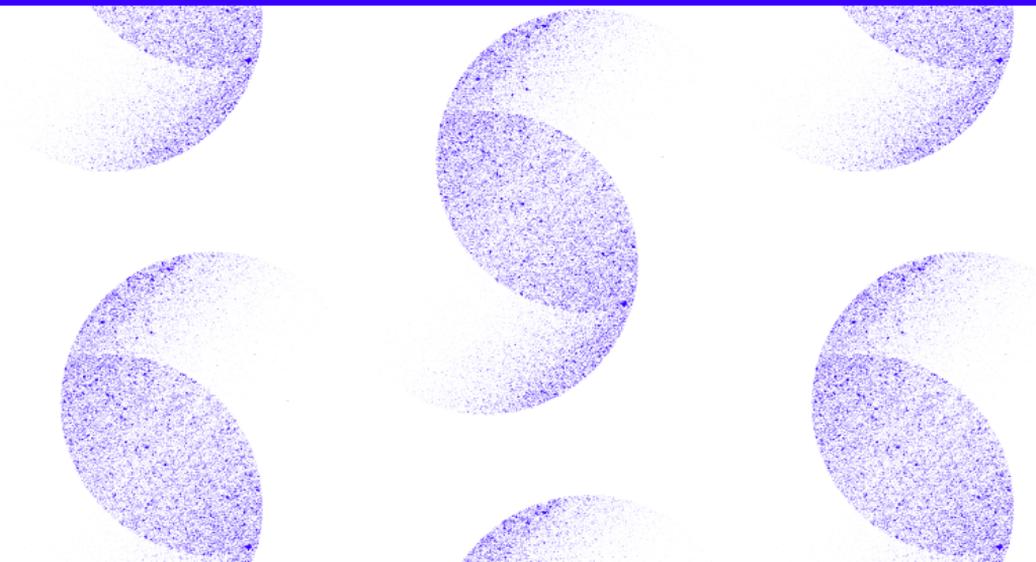
The Student Course is part of a bigger Learning Module focusing on innovation in technical education. The Course is preceded by the Train the Trainers. After this training, teachers could then redesign an existing course or create a new one with the help of the INNO-TEC-LAB course.

The course focuses on the topic of **professional development** and **personal branding**. It consists of 3 short units with some self-study and mentoring by the trainer. At the end of the course, students create a final project work, consisting of a **personal pitch** that shows their identity as a professional and reflects on the future of their field of work.



# CREATION OF A PLATFORM OF INNOVATION LABORATORIES

The output consists of the creation of a **platform** of innovation laboratories. Supported by the IED Campus on Moodle, it was born as a shared working space in which to **interact, exchange** knowledge, **generate** content within the project and for future use. During the project's implementation the platform hosted a **synchronous** online Train-The-Trainers program involving teachers, trainers and researchers from different HEIs and VET organizations, delivered in 2 editions. It also provided a dedicated space for the Student Courses, again in two editions, providing the opportunity to attend live sessions, interact across-institutions, gain **access** to useful additional resources.



# MULTIPLIER EVENT IN FINLAND

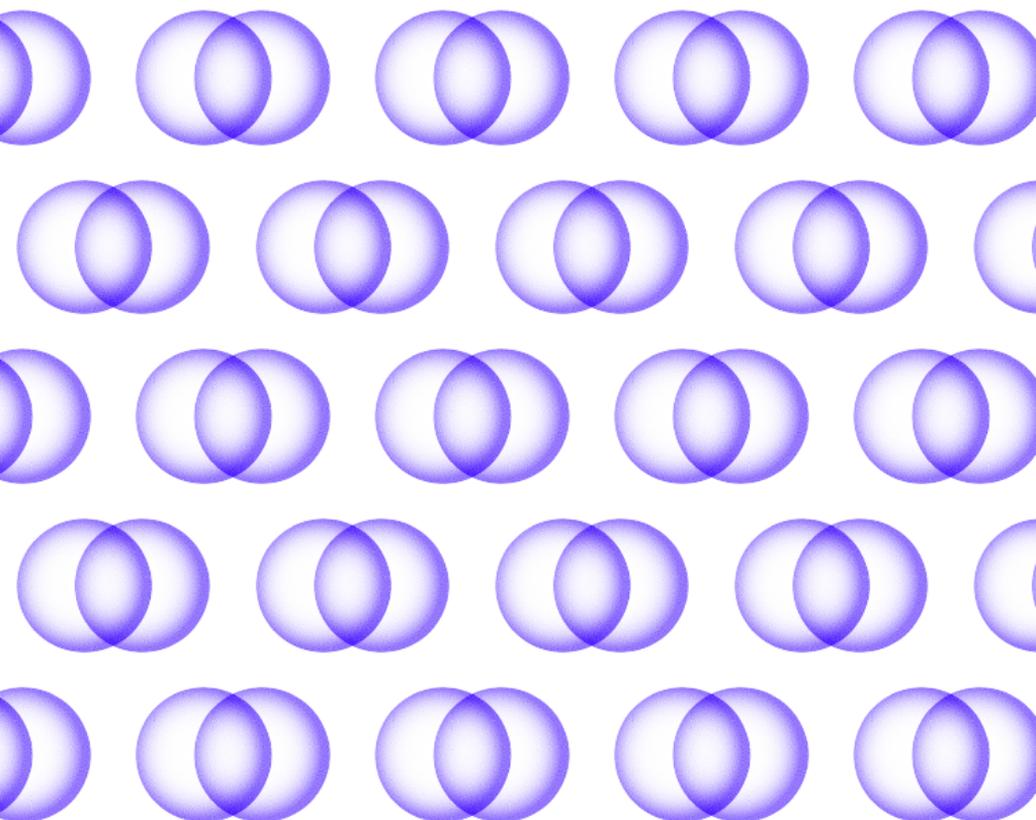
# 7

The first Multiplier Event of INNO-TEC-LAB project is held in Metropolia University of Applied Sciences in Helsinki on April 7 2022. The free whole-day event is implemented in **hybrid** mode consisting of presentations sharing the results of the **intellectual outputs** reached so far and a **roundtable discussion** with a moderator about visions and experiences on the needs and forms of developing innovative educational tools to meet the challenges of the 21st century working life in the field of design for technical careers. Participants dug deeper into the questions of how can we apply interdisciplinarity in technical and creative programmes and what is the relationship between it and the **SDGs** for purpose-driven innovation, how is the learning environment evolving with the social and technological advances of contemporary society and what role do **local heritage** and **global knowledge** play in the future of work.

# MULTIPLIER EVENT **8** IN ITALY

The last INNO-TEC-LAB Multiplier Event on September 8 at the ADI Museum in Milan, Italy, is a hybrid event aimed at sharing and building on the project results with local and international stakeholders.

**Two cross-sectorial** panels and the hands-on **workshop** address the challenges and opportunities of innovation from the perspectives of **design** and **technology, sustainable education** and **learning, inter** and **transdisciplinary** approaches.



# COORDINATOR



# PARTNERS



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