

Sessione pitch: spazio alle idee



Higher education in VR

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Università di Siena



Horizon Europe e il bando orizzontale **Clean Industrial Deal**

11 DICEMBRE 2025



University of Siena: LabVR

- Type of organisation: Public organization
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- Topic of interest:
 1. **Research**: virtual reality to investigate human behavior and emotions
 2. **Education**: virtual reality for higher education, training for safety in workplace
- **KEYWORDS**: Virtual reality, higher education, safety in workplace, virtual laboratory

Expertise of LabVR Unisi

LabVR team: expertise in coordinator, producer, research manager, virtual designer, user-experience designer, system designer, product designer, platform manager, testing manager, psychology manager.

Coordinator of projects funded by the MUR, Tuscan Region and INAIL

Partner in Interdepartmental Center for Teaching in Virtual Reality (DIRV)

Partner in OPENVERSE. An initiative within the Horizon Europe program, aimed at integrating ethical principles with digital advancements. The project's primary objective is to develop inclusive, open, and ethically responsible European virtual worlds. Coordinated by The Lisbon Council for Economic Competitiveness and Social Renewal Asbl

Challenges and objectives

Creation of **meta-universities**: metaverse where «students» are active participants

- Learning courses based on learning by doing
- Peer-to-peer meeting spaces
Module aimed at acquiring the digital skills needed to use the platform both to deliver courses and to produce and archive teaching materials.
- Module dedicated to the application of what has been learnt in the classroom directly on the platforms and within the systems that will be used in DAD.
- The virtual environment and its equipment can also collect a wide range of user data, such as physical movement, heart rate, pupil size, eye opening and emotion signals

Expertise requested

- Large companies for VR training on workplace safety
- Universities creating platform for virtual reality lessons
- research institutes creating virtual laboratories