



HECOF initiative is to create systemic change by fostering innovation in **Higher Education (HE)** teaching practice and national reforms in education by developing and testing an innovative **personalized, adaptive** way of teaching that uses digital data from students' learning activity in immersive environments such as **VR** and computational analysis techniques from **data science and AI**.

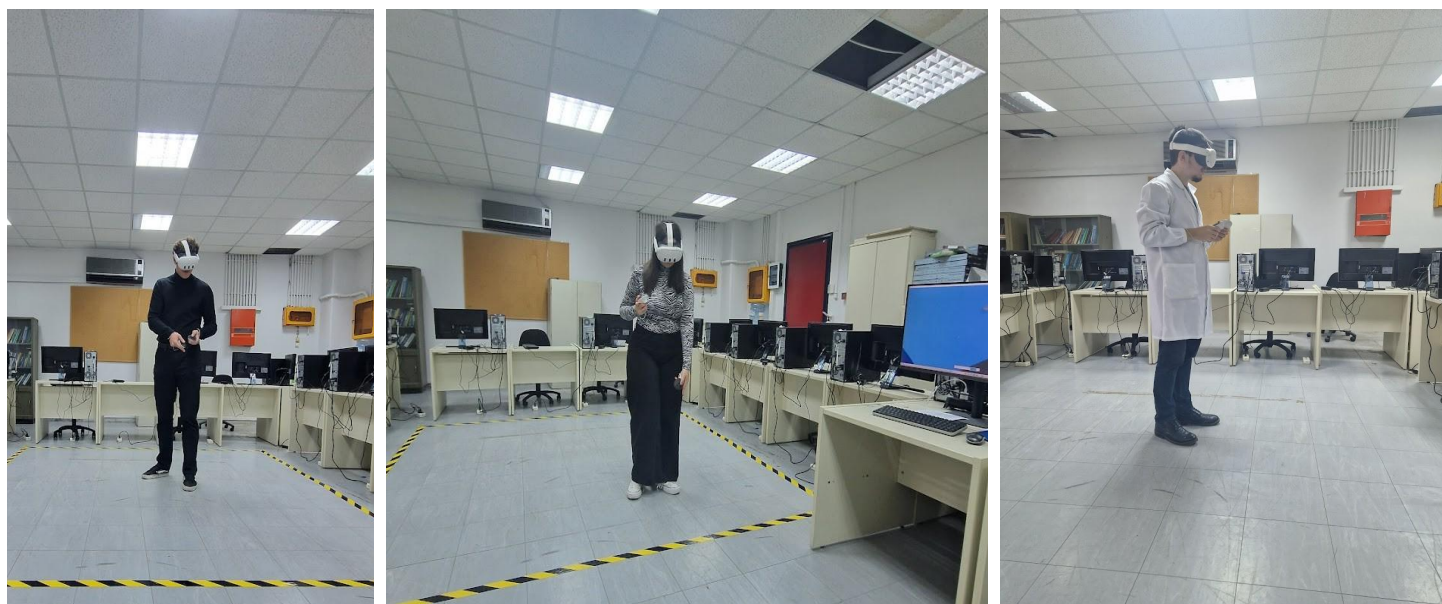
PILOTS USE CASES (NTUA)

National University of Athens, School of Chemical Engineering (NTUA) Students Explore VR Learning with HECOF

In December 2024, NTUA students participated in the first evaluation of the HECOF VR learning system, experiencing immersive simulated lab experiments focused on extracting bioactive materials from olive leaves. Adaptemy played a key role in personalizing the learning process, ensuring a smooth transition from virtual practice to real lab work.

This marks a major step toward innovative digital education. Read more on our website!

[Learn more](#)



Photos of NTUA students checking HECOF's VR Learning tools



**Co-funded by
the European Union**

PILOTS USE CASES (POLIMI)

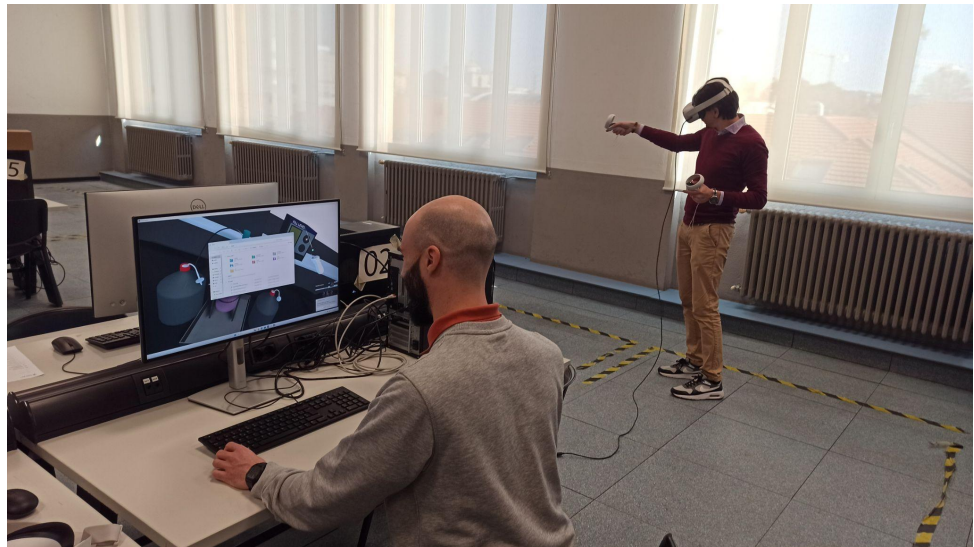
POLIMI Students Test HECOF VR Learning System

What if learning was more than reading and listening—what if students could experience complex concepts firsthand? That's exactly what happened at Politecnico di Milano, where the HECOF Project brought Virtual Reality (VR) and AI into the classroom.

Students stepped inside a bioreactor, observed chromatography in action, and explored scientific phenomena in ways traditional methods can't match. With AI-powered Adaptive Learning, lessons became more interactive, engaging, and effective.

This HECOF pilot is redefining education—turning study into experience. Read more on our website!

[Learn more](#)



POLIMI students testing HECOF's VR Learning tools



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BeyondXR: Sister Projects UPCOMING WEBINARS

Women in XR Webinar

Join us for the Women in XR Webinar on March 19, 2025, at 11:30 CET to explore how immersive technology is shaping the future and why we need more women leading the way. HECOF will be part of the discussion, sharing insights on inclusion and innovation in XR.

[Register](#)

Celebrating Women in
Extended Reality

19 March 2025 | 11h30-13h CET ONLINE

Women In XR



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Women In XR

Meet Our Participant Projects

19 March 2025 | 11h30-13h CET ONLINE



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Human-Centric Technologies and Applications for the Future of Extended Reality

Join us on March 20, 2025, at 13:00 CET for an insightful discussion on how XR is shaping the future through human-centered design, cutting-edge hardware, and transformative applications in education and healthcare.

HECOF will be participating in this webinar, presenting "The Future of Learning: How XR and AI Are Reshaping Education", exploring the impact of immersive technologies on the way we teach and learn.

[Register](#)

XR5.0

4th XR Projects Cluster Webinar

"Human-Centric Technologies and Applications for the Future of Extended Reality"

 **20 March 2025, 13:00 CET**
Online

PRESENTERS:

 **HECOF**  **CORTEX²**  **MASTER**

 **XR2INDUSTRY**  **TRANSMIXR**  **GenAI4ED** Future of Education

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