

The HERA project

Today's society has to face complex and urgent challenges like sustainable growth, responsible natural resource management, climate change, addressing natural risks, fighting poverty, global health, and more.

Solutions to these challenges do not stem from the deployment of knowledge from a specific area, but they require the integration of knowledge from diverse fields, rooted in engineering and economic principles.

HERA aims to address interdisciplinary needs in engineering and economics higher education by introducing modern educational offerings that build high order problem solving skills towards addressing societal and industry needs.

HERA methodology

Learners will be challenged to build knowledge by addressing problems and projects through active learning, following a problem-based learning approach inspired by real world scenarios.

The project will promote the development of transversal skills such as communication, independence, ability to evaluate information, entrepreneurial capacity, and more.

Outcomes

- An active, problem-based learning methodology for building multidisciplinary skills in engineering and economics
- A gamified virtual learning environment for problem-based learning
- Good practice guidelines stemming from piloting in real life conditions
- Support for educators

Benefits

Both students and educators are provided with advanced learning activities that ease knowledge retention and transferability through active learning and simulation.

Students get support to develop problem solving, analytical thinking, motivation, leadership, group management, group work, project management, time management and communication skills.

Partners

UniversidadeVigo



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