University of Barcelona – P2

Prof. Mario Barajas

OVERVIEW

- 65000 students
- More than 8000 professors, lecturers and researchers
- 997 active research projects
- 150 EU projects (43 Horzon 2020)
- 60 departments
- 6 campuses
- 9 associated centres
- 303 consolidated research groups

FUTURE LEARNING

- **Exploring innovative digital learning environments**
  - A research initiative at the Faculty of Education, member of the Virtual Teaching and Learning Research group (GREAV)
  - Educational and research projects related to innovative learning environments mediated by technologies
  - Collaboration and coordination of more than 30 EU-funded projects, guiding educators from different levels and sectors

- **Research lines**
  - Educational technologies
  - Creative education
  - Game-based learning
  - Educational evaluation
  - STEAM and RRI

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RELATED PROJECTS
(CLOUD COMPUTING EDUCATION)

- **Rural School Cloud (Comenius)**
  - External evaluation of the project : analysis of the impact of the project on rural educational communities and evaluation of a virtual learning platform based on cloud computing.

RELATED PROJECTS (EDUCATIONAL TECHNOLOGIES)

- **MC2 (FP7, 2013-16)**
  - Design of a computational environment to support creative industries involved in the production of media content for educational purposes to engage in mathematical creative thinking.

- **ProActive (LLP, KA3-ICT, 2010-11)**
  - Through a constructivist approach, teachers applied their creativity in designing their own GBL scenarios by using digital tools.

RELATED PROJECTS (DESIGN OF COMPETENCE FRAMEWORKS)

- **DoCENT**
  - Design, application and validation of an innovative model to guide teacher educators in applying digital creative teaching practices.

- **ACCORD (Erasmus +)**
  - Preparing educators to face discrimination and racism, handle conflicts, and promote inclusive education
  - Use of a MOOC and serious game

RELATED PROJECTS
(TEACHERS' PROFESSIONAL DEVELOPMENT)

- **ENGAGE (FP7 – Science in Society)**
  - Promoting inquiry-based learning in science education, involving students in RRI practices
  - Creation of a series of classroom materials, open online courses, and a community of practice of 11.000 teachers across Europe

- **ELITE (Erasmus +)**
  - Development and evaluation of an innovative approach for teachers' professional learning via inquiry methodology.

- **WikiSkills (LLP-KA3, ICT)**
  - Exploring the potential of the wiki-culture to promote lifelong learning opportunities

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ROLE IN THE PROJECT

- **Responsible for O2 - Qualification Framework for Education Cloud Leaders based on Skills and Competence**

- **Participation in O1 - Guidelines for Skills and Competences for Adaptive Education Cloud Leaders**

- **Participation in O3 - A course design for developing adaptive education cloud leaders**

- **Responsible for E3 - Schools Management under Cloud - Adaptive School Leaders (Spain)**

- **Participation in C1 - SP-SCHOOL-EVENT - Short-term joint staff training events**

Thank you.

- **Mario Barajas (mbarajas@ub.edu)**

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