



Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Capacity Building in higher education

Project Title

e-Learning InnoVative Engineering Solutions

Project Coordinator

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Project Information

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Partners UNIVERSIDAD NACIONAL DE EDUCACION A DISTANCIA (ES) ,
PRINCESS SUMAYA UNIVERSITY FOR TECHNOLOGY (JO) ,
UNIVERSITE ABDELMALEK ESSAADI (MA) , LABSLAND
EXPERIMENTIA SL (ES) , UNIVERSITE DE MOSTAGANEM (DZ) ,
UNIVERSITY OF KAIROUAN (TN) , TAFILA TECHNICAL UNIVERSITY
(JO) , UNIVERSITE VIRTUELLE DE TUNIS (TN) , UNIVERSITE
D'ANNABA (DZ) , UNIVERSITE 8 MAI 1945 GUELMA (DZ) , INSTITUTO
POLITECNICO DO PORTO (PT) , KATHOLIEKE UNIVERSITEIT
LEUVEN (BE) , UNIVERSITE CADI AYYAD (MA)

Project Summary

The number of students having access to higher education system in South Mediterranean countries more than doubled in 15 years. This positive step forward involves in parallel important difficulties for universities to handle overcrowding. In STEM (Science, Technology, Engineering and Mathematics), one promising solution matching the national priorities in Algeria, Jordan, Morocco and Tunisia concerns the development of nationally accredited e-learning trainings ("e-engineering trainings"), e-learning being a very modern and efficient solution to integrate multiple profiles of students. The main originality of the e-LIVES project is to make sure that beneficiary partners will be 100% independent for creating and managing an e-engineering training at the end of the project. e-LIVES will propose innovative e-engineering solutions to deal with a range of administrative, human and material obstacles to HEIs modernisation. These solutions will be identified after providing a critical mapping of e-engineering best practices and will be developed in an innovative way and innovative format (tutorials, technical and summary data sheets, trainee practical exercises, open workshops, etc) on real conditions in each beneficiary partner. E-Lives project pursues the 5 following specific objectives:- Identification of best practices in order to build high-quality e-engineering trainings- Development of reliable remote laboratory solutions with online access to Practical Works 24/24 and 7/7.- Development of practical open staff trainings in South Mediterranean universities- Control and value the pedagogical innovation solutions used- Promote e-engineering within the South Mediterranean countries mainly through National Dissemination Workshops in all the partner countries involved in the project. Know-how sharing and learning by doing approach will ensure ownership of the e-LIVES e-engineering solutions and sustainability of the future developed trainings.

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