



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

Project Title

New Curricula in Precision Agriculture using GIS technologies and sensing data

Project Coordinator

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Project Information

Identifier 597962-EPP-1-2018-1-EE-EPPKA2-CBHE-JP
Start Date Nov 15, 2018
End Date Nov 14, 2021
EC Contribution 998,953 EUR
Partners TECHNISCHE UNIVERSITAT BERLIN (DE) , ECOLE NATIONALE SUPERIEURE AGRONOMIQUE (DZ) , UNIVERSITE DE MOSTAGANEM (DZ) , MINISTERE DE L'ENSEIGNEMENT SUPERIEUR ET DE LA RECHERCHE SCIENTIFIQUE (DZ) , UNIVERSITE DE SIDI BEL-ABBES (DZ) , UNIVERSITE ORAN 1 (DZ) , UNIVERSITE DE TIARET (DZ) , CESKA ZEMEDELSKA UNIVERZITA V PRAZE (CZ) , AGRAREN UNIVERSITET - PLOVDIV (BG) , ECM SPACE TECHNOLOGIES GMBH (DE)

Project Summary

CUPAGIS is aimed to modernize curricula in precision agriculture using new technologies in physical sciences - Geographic Information System/GIS, big data, remote sensing- through analyzing and updating existing curricula according to educational needs; developing new certified curricula according to the new achievements in the area, the labor market demands and the Bologna Process; to test innovated curricula and to disseminate the results. The CUPAGIS consortium consists of 11 partners plus 1 associated partner with the required expertise, educational skills and business connections. The outputs/results and products are:

- Review of the current curricula in precision agriculture through analysis,
- Agreement on instructional strategy and guidelines for BA/MSc curricula design including the use of new Educational Technologies
- A set of new core curricula and transferable modules including innovative teaching facilities
- Updated current two cycle curricula and programs in precision agriculture according to the Bologna requirements and the new developments
- Developed, implemented and accredited new practice oriented, student- focused core, and transferable curricula including ECTS
- Bringing the Higher Education Institutions of DZ closer to labor market. Besides that innovative teaching facilities: a new equipped laboratory PAGIS, a class VCR, a Precision agriculture using sensing data Service Office PASENSO. Focus on the content, agreed structure, new instructional strategy and the use of new educational technologies with regard to the European modernization agenda for higher education will as a whole function as the envisaged impact.

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