

610004-EPP-1-2019-1-BE-EPPKA2-CBHE-JP

Project Information

Reference Number	610004-EPP-1-2019-1-BE-EPPKA2-CBHE-JP
Application Title	eMaster in Water Resources Engineering
Application Acronym	eMWRE
Action Code	CBHE-JP
Project Start Date	15-Nov-2019
Project End Date	14-Nov-2022
Duration (months)	36
Grant Requested	923,872.00
EUD Consultation	YES

Coordinator

Name of Organisation	VRIJE UNIVERSITEIT BRUSSEL
Street	PLEINLAAN 2
City	BRUSSEL
Country	Belgium
Website	www.vub.ac.be

International Dimension

Regional Focus	Intra-Regional
Involved Regions	R3
Application Country	BE
Partner Countries	PS (2), JO (2)
Programme Countries	NL (1), BE (2)

Project Characteristics, Aims and Objectives

Project Type	Multi-country project
Specific Activity	Curriculum development
Subject/Thematic Area	Environment
CBHE Actions	<p>Foster regional integration and cooperation across different regions of the world through joint initiatives, sharing of good practices and cooperation</p> <p>Improve the level of competences and skills in HEIs by developing new and innovative education programmes</p>
CBHE Aims and Objectives	<p>Contribute to the cooperation between the EU and the eligible Partner Countries (and amongst the eligible Partner Countries)</p> <p>Support the modernisation, accessibility and internationalisation of the higher education field in the eligible Partner Countries</p>

Project Summary

This eMWRE project aims at improving the existing MSc curricula in partner universities and develop eLearning curriculum for the eMaster program in water resources engineering to equip future professionals and scientists in Partner countries with the technical and managerial knowledge and skills they need to solve the current and future water challenges using innovative solutions. The project also aims at developing an eLearning platform to promote joint research, develop and educate on Open Source Software and Open Access data for Integrated Water Resources Management.

The major outcomes of eMWRE are the development of an eLearning MSc. program in Water Resources Engineering (WRE), a set of professional eTraining modules and eLearning platform for water resources management and open software tools. The master programme will be implemented in the four Partners universities, where the curriculum, eCourses, and eTraining modules will be developed jointly by the project consortium. The project will contribute to the capacity development of water sector and open education in partners countries to advance their economy and social welfare. At the same time, aim of the project is to promote socially-equitable and gender-balanced access to education.

Graduates of the eMSc program and professionals enrolled in the training modules will have acquired a comprehensive knowledge to successfully plan, design, operate and manage water resources projects; and advice and support authorities in decision-making and the development of policies and regulations that enhance the sustainable use and re-use of water, the equitable distribution and the conservation of the local, regional and global water resources using the latest technologies. The eLearning platform will be developed using emerging facilities and technologies for cloud computing to provide easy access and easy use to data and open source software, courses and training materials for water resources applications.

Project Partnership

Role	Region	Participant Organisation Name	Country
Contractor	EU	VRIJE UNIVERSITEIT BRUSSEL	BE
Partner	R3	AL-QUDS UNIVERSITY	PS
Partner	R3	MUTAH UNIVERSITY LTD	JO
Partner	R3	THE ISLAMIC UNIVERSITY GAZA	PS
Partner	R3	UNIVERSITY OF JORDAN	JO
Partner	EU	EUMMENA VZW	BE
Partner	EU	STICHTING IHE DELFT INSTITUTE FOR WATER EDUCATION	NL