

561638-2014-JP-CD

Development of higher Education teaching modules on the Socio-economic Impacts of the Renewable Energy implementation / DESIRE

Specific Objectives:

- To introduce the topic of socio-economic impacts of renewable energy to the curricula of undergraduate and postgraduates programmes in different MENA and possibly EU universities.
- To deepen the understanding of the socio-economic impacts of renewable energy projects among communities, working force and university renewable energy faculty members and graduates in the MENA region.
- To improve the quality of renewable energy courses offered in the partner and associated universities.
- To develop and implement online teaching modules in the field socio-economics impacts of renewable energy for a wider dissemination.
- To enhance cooperation amongst universities in beneficiary countries on one hand and with EU universities on the other hand in the field of REEE teaching, especially the socio-economic impacts of the implementation of renewable energy technologies.
- To build the capacities of the university teaching staff in partner and associated universities through training workshops.

Project Summary

Better understanding of the socio-economic impacts of implementing renewable energy and energy efficiency (REEE) technologies enables faster and more sustainable development of the REEE market. However, this knowledge field is underrepresented in the existing technically overwhelmed teaching curricula at universities and hence, is considered a deficit that should be reduced. By doing this, a proper preparation of qualified working force needed to sustain the development of the REEE market will be ensured.

The importance of this project comes from tackling this problem by integrating the socio-economic dimension in REEE teaching programmes offered at HEIs in beneficiary countries. In this context, this project aims at developing and implementing interdisciplinary teaching modules and training courses on the socio-economic impacts of REEE on university teaching level. While the teaching materials target graduate and post-graduate students, the training courses are designed to train the teachers involved in the process.

The teaching modules will be prepared by the project partners in close cooperation with associated partners from the society, academia, public and private sectors. The teaching modules cover the following aspects:

- Analysis of macro- and micro-economic impacts of REEE projects
- Analysis of social impacts of REEE projects
- Analysis of ecological impacts of REEE projects
- RE project management
- International and regional REEE markets
- Sustainable development of REEE market

In the implementation phase, the modules will be incorporated in existing curricula at partner universities and thereafter at associated universities. In a following step, these modules will be disseminated through targeted e-learning and training sessions.

The expected impact of this project is mainly making the teaching of REEE at participating universities more comprehensive by covering the socio-economic dimension. This shall enhance the students' knowledge level.

This project will offer an e-learning platform to promote the professional and academic development of teaching staff and students in the renewable energy field. Furthermore, the teaching and training modules prepared within the framework of the project are based on inputs from practical experiences made by the implementation of REEE projects. This shall promote taking up of practical entrepreneurial experience in education and training.

Project Consortium

1. Applicant Organization: German Jordanian University, Jordan

List of Partners (Multi-Country Project)

2. The University of Jordan, Jordan
3. University of Cyprus, Cyprus
4. Cairo University, Egypt
5. Aswan University, Egypt
6. Universita Degli Studi Di Roma La Sapienza, Italy
7. Wuppertal Institut fur Klima, Umwelt, Energie GMBH, Germany
8. Technische Universitaet Dresden, Germany
9. Damascus University, Syria
10. Tishreen University, Syria

Total Grant Requested: EUR 985,055.00

Special Mobility Strand Additional Grant: No

Duration: 36 months