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Development of Higher Education Teaching Modules on the
Socio-economic Impacts of the Renewable Energy Implementation



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DESIRE

Newsletter

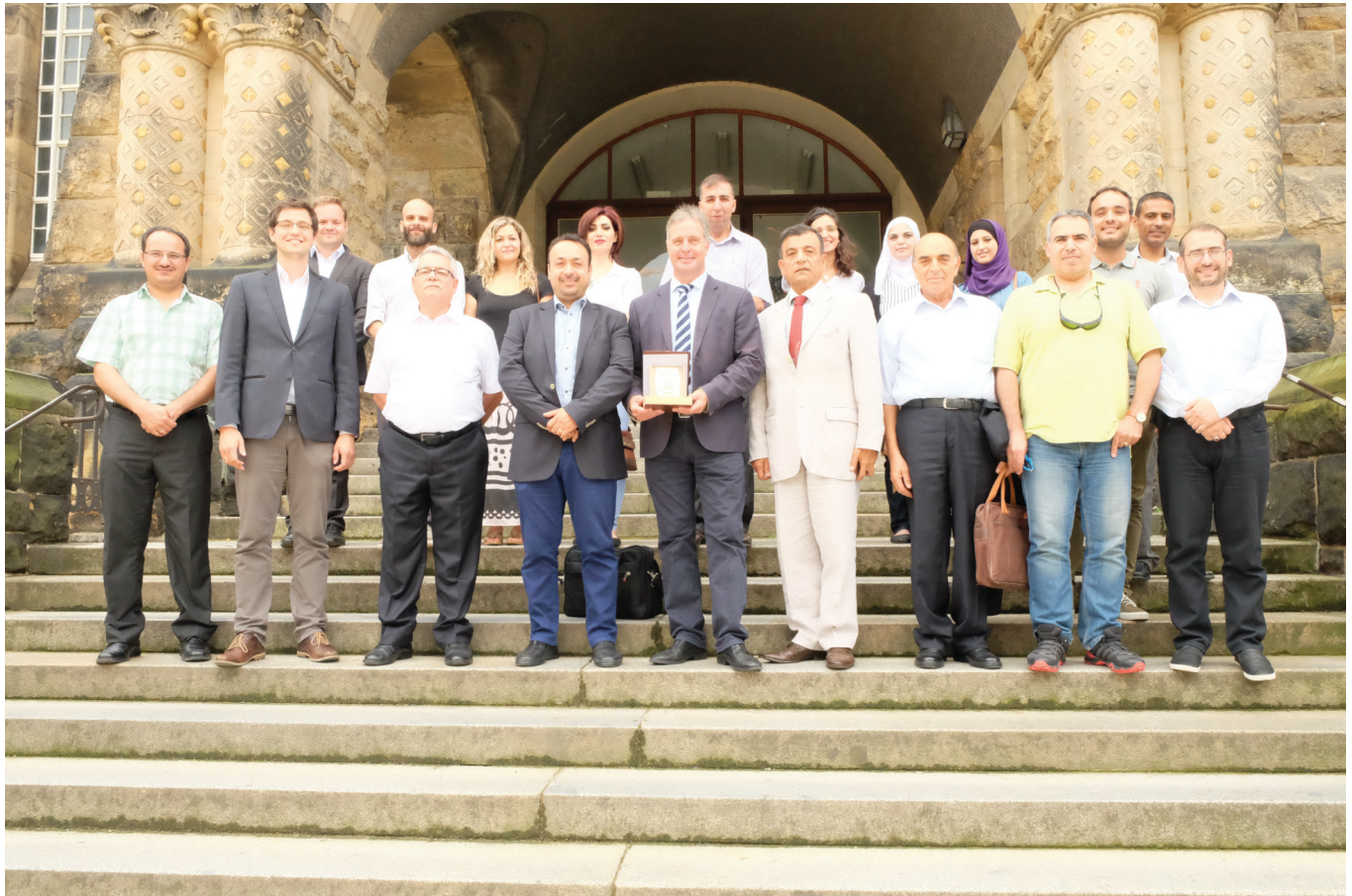
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4TH DESIRE PROJECT STEERING COMMITTEE MEETING



Dresden Germany, 31th of July 2017

The fourth DESIRE project biannual and steering committee meeting was held in Dresden, Germany at the Technical University of Dresden, from July 31st, 2017 to August 2nd, 2017. Project partners from the German Jordanian University, the University of Jordan, University of Cyprus, Sapienza University of Rome, Wuppertal Institute, Technical University of Dresden, Damascus University, and Tishreen University participated in the meeting.

Project coordinator Dr. Louy Qoaider and the Host partner Mr. Philipp Hauser opened the meeting and welcomed participants. On the meeting's first day, the project partners presented progress made in the project in the last six months and have gone through evaluation and assessment of project progress and outputs. Furthermore, the project external evaluator joined the meeting and gave her interim evaluation results and recommendations for each work package.

The second project meeting day was put to present results and progress made in the elaboration of the project teaching materials and the e-Learning platform. In this regard, six teaching modules should be elaborated and implemented at partner universities and associated partners. The pilot implementation of the first module is

planned at several partner universities in the first semester of 2017/2018 academic year.

After the presentation of the results from each project partner, a general discussion was held on the elaboration of the teaching materials, teaching plan, and the scheduling of the train of trainers and dissemination workshops.

The steering committee meeting was held on the meeting's third day to wrap up the project meeting results, discuss project achievements and progress, and plan the next steps.

The DESIRE Project is a three years' project deals with the development and the sustainable implementation of higher education teaching materials in the field of renewable energy and energy efficiency with emphasis on their socio-economic impact. The German Jordanian University is the grant holder of the project with a consortium includes nine partners from six countries.

GJU ORGANIZES A WORKSHOP ON SOCIO-ECONOMIC IMPACTS OF RENEWABLE ENERGY AND ENERGY EFFICIENCY IN JORDAN



2017 May 16 -Amman

On Monday 15th of May 2017, German Jordanian University (GJU) organized a workshop in cooperation with Amman Chamber of Commerce about Socio-Economic Impacts of Renewable Energy and Energy Efficiency in Jordan.

The workshop was organized by the School of Applied Technical Science within DESIRE project, Co-funded by the Erasmus+ program of the European Union to develop higher education teaching modules on the Socio- Economic Impacts of the Renewable Energy Implementation.

The Dean of School of Applied Technical Sciences, Prof. Ala' Aldeen Al-Halhoul stressed the importance of the renewable energy subject as a top priority in Jordan, indicating that the theme of the workshop comes in line with the university's vision and mission of the importance of applied sciences, adding that communicating with industrial and commercial sectors is essential to produce a qualified competitive forces capable of serving the needs of our beloved country.

Dr.Halhoul explained that this project is one of DESIRE's

projects that is managed by GJU and aims to develop teaching modules for Bachelor and Master programs on the Socio-Economic Impacts of the Renewable Energy Implementation, and Energy Efficiency, also to raise awareness, conduct trainings and workshops for academics, students and researchers in the field, with the collaboration of partners from Germany, Italy, Cyprus, Egypt and Syria.

First Vice Chairman Mr. Ghassan Kherfan highlighted the role of Amman Chamber of Commerce Academy in providing qualified and innovative training, and its efforts in being an effective partner towards economic development, considering this workshop as an outcome of the relationship between the Chamber and GJU.

On another hand Project Coordinator Dr. Louy Qoaider, presented an introduction to DESIRE Project clarifying its goals and the socio- economic impact on society such as creating jobs, increase the international export and reduce fuel import, illustrating the importance of renewable energy in achieving growth and sustainability.

The workshop included three topics of discussion on current situation of renewable energy in Jordan and MENA region, and renewable energy regulation framework in Jordan, while the second topic included the organization's support and their contributions in the field, and the third one discussed the future of renewable energy in Jordan by 2030 with the participation of academic and market.

During the workshop films on successful renewable energy

experience in Jordan were showed, and a research paper was provided by the Head of Industrial Link Committee at GJU Dr. Ziad Abu Al-Rub about University industry collaboration: a case study from the German Jordanian University.

Energy Service Companies (ESCOs), Universities, Amman chamber of industry (ACI), Ministries, International organizations, Nongovernmental Organizations (NGOs), and interested individuals, participated in the workshop.

DESIRE TRAINING COURSES

Europe (Wuppertal, rome, dresden), 30th of July 2017



Three training courses have been successfully conducted in Germany and Italy for the instructors and students from Jordan and Syria in the framework of DESIRE project which is funded by the Erasmus+ program of the European Commission. The main focus of these courses is Socio-economic impacts of the renewable energy and energy efficiency implementation.

The first training course was held in Wuppertal by Wuppertal institute from July 3rd to 14th, 2017, The second training course was held in Rome by SAPIENZA University of Rome, from July 10th to 21st, 2017, and the third training course was held in Dresden by Technical University of Dresden, from July 17th to 28th, 2017.

The training courses focused on the sustainable energy system transformation, the socio-economic impacts of the Renewable Energy and Energy Efficiency implementation and the sustainable environmental development. They also included practical sessions and exercises on pricing and investment of renewable energy projects and a two-days training for GAMS energy management software. Additionally, the training courses included practical training on the design of

photovoltaic system for residential building and practical laboratory sessions to Wind Energy, Fuel cell and batteries, Biofuels use in Engine, Biomass/Gasification, and Micro-Hydro.

Furthermore, several scientific excursions to energy facilities in three sites were conducted within the course plan. In this context, excursions to Wuppertal Utility, Larderello Geothermal plant, Italian thermo-electric plant, ENEA research Centre and SolarWATT solar PV manufacturer were undertaken.

A total number of 24 professors and 18 students from Jordan and Syria have participated in these courses from different technical backgrounds.

"It was a great success for the project capacity building program" stated the project coordinator, Dr. Louy Qoaider of the German Jordanian University. He continued, "This training helps instructors and students to better understand technical and socio-economic issues of renewable energy and energy efficiency field in countries that are either experiencing great progress or foresee to take off in this field.

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Upcoming Events and Conferences:

- ENERDAY 2018 in Dresden, 27th of April

<https://tu-dresden.de/bu/wirtschaft/ee2/tagungen/enerday>

- GCREEDER 2018, Amman, 3rd of April

<http://conferences.ju.edu.jo/en/gcreeder2018/Home.aspx>

PARTNERS



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الجامعة الألمانية الأردنية
German Jordanian University



**Wuppertal
Institut**



**University
of Cyprus**



SAPIENZA
UNIVERSITÀ DI ROMA



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DESIRE Project



DESIRE Project Group



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