



**Modernising Undergraduate Renewable Energy Education:  
EU Experience for Jordan  
MUREE  
Princess Sumaya University for Technology  
Scientific Committee Meeting  
21-22 April 2015  
Minutes of Meeting**

**Participants**

- Abdullah Al Zoubi, PSUT, Jordan
- Ahmed Al-Salaymeh, UoJ, Jordan
- Suhil Kiwan, Fahmi Abu Al-Rub and Qais Khasawneh, JUST, Jordan
- Bashar Hammad, Mohammad Abed and Haneen Hijazee, Hashemite University, Jordan
- Handri Ammari, Mutah University, Jordan
- Fathalla Alhallaj and Firas Shadeed, NetEnergy, Jordan
- Manuel Castro and Belén Moriñigo Hernández, UNED, Spain
- Jens Palacois, TUB, Germany

1. The scientific committee meeting commenced with the coordinator, Abdallah Al-Zoubi, giving an overview of the recent monitoring visit and external evaluator report. He gave an update on the progress of teaching MUREE courses at all universities, and then stressed on the fact that these courses should be aligned with ECTS. To do that, a number of actions should be taken including the delivery of the “Renewable Energy Systems” in the upcoming summer semester at PSUT. The course facilitator will be Dr Bashar Hammad with Dr Maria Hadjipanayi, Cyprus University and Mr. Jens Palacios, TU-Berlin, Germany, each will be teaching for 1 week (5 hours). The other 3 weeks will be delivered online using the MUREE VLE (progress on VLE development was discussed). A full discussion on the outline and schedule of the course was undertaken during the meeting, including marking methodology and students’ registration. The course will begin on 28 June 2015 and will last for 8 weeks.

2. It was also agreed on the necessity to organise a workshop on the Bologna Process and ECTS during the summer semester. The objective of the workshop is to give professors teaching the MUREE courses a first-hand-look at the methods of aligning the courses with the ECTS. The workshop will be delivered by Professor Mike Blakemore in the period 6-7 July 2015.

3. The present course outlines of the MUREE courses were also discussed on the lights of the external evaluator report. It was agreed that the outlines as presented in DEV2.3 should be modified according to the ECTS according to the following schedule:

- a. Professor Manuel Castro will provide the coordinator with a template for the course outline that follows the ECTS by 30 April 2015.
- b. All 6 course coordinators will fill the new template by 15 May 2015.
- c. Course coordinators will send the new course outlines to EU partners to review and provide feedback by 1 June 2015.
- d. All new course outlines will be discussed and finalised during the workshop in the period 6-7 July 2015.

4. Committee members all discussed the modification requested by the coordinator form the Project Officer in Brussels including students’ trips to EU partners for training. |All Jordanian partners will nominate 3-4 students each to take part in these trips.



5. Committee members all discussed the final dissemination conference and information day. All Jordanian partners will nominate 1 students' group to present their work during the information day and one other student to speak before the conference on their MUREE experience. In addition, MUREE partners will organise a one-hour roundtable to discuss important aspects of the project during the conference.
6. The partners were encouraged to speed up the process of forming the renewable energy network, organise the train-the-trainer workshops at their universities and to remind their students taking the MUREE courses this semester to fill in the appropriate course evaluation surveys.
7. The discussions continued at PSUT on 22 April 2015 and the meeting concluded with the official opening of the MUREE laboratories which was patronised by Professor Mashhour Al-Refai, PSUT president, and attended by participants in the meeting in addition to professors and students.