

Tempus JPCR 530194-2012

Energy Efficiency, Renewable Energy Sources and Environmental Impacts-master study, ENERESE

Faculty of Mechanical Engineering, University of Nis, Aleksandra Medvedeva 14, 18000 Nis, Serbia (Friday, 5 April 2013)

10.00 – 13.00

Round table 1: ENERESE curriculum in WB partner universities

Four presentations related curricula related to energy efficiency, renewable energy sources and environmental impacts were presented by key persons from EU universities partners

<http://enerese.np.ac.rs/images/Downloads/Documents/Nis/presentations/10.pdf>

<http://enerese.np.ac.rs/images/Downloads/Documents/Nis/presentations/11.pptx>

<http://enerese.np.ac.rs/images/Downloads/Documents/Nis/presentations/12.pptx>

Round table 2: Accreditation, Enrollment and realization of ENERESE

Chairs of the meeting: Professor Dr. Gradimir Ilic and Professor Dr. Bozidar Stanic

The following topics were discussed:

DESIGNATION / DENOMINATION AND CONDITIONS FOR THE AWARD OF THE DIPLOMA

In order to obtain an understanding of the mission of the ENERESE project: the purpose of ENERESE is to accept several types of engineers for the purpose of giving a broad education in a new interdisciplinary field labeled energy efficiency and renewable energy, in short ENERESE. The motivation for setting up this programme is manifold. From the point of view of employability, it is noted that classically trained engineers have difficulties finding employment in their traditional areas and, for that reason, new fields of expertise, based on their core specializations but extending them, should be explored as opportunities for innovative education and employment. This being the purpose, the denomination of the Diploma needs to be considered. There are two ways: (1) use a traditional denomination with, in addition, an indication of the innovative purpose of the study program, eventually to be mentioned in the diploma supplement or (2) to create a totally new and innovative diploma denomination, such as "Master of Science in Energy Efficiency"

Within this ENERESE mission, the practical purpose of the Project consists in the admission of ten students within each university and bringing them successfully to graduation.

In terms of the formalities, the issuance of a diploma certificate has to be in accordance with the legislation on higher education and of accreditation regulations of the

participating countries. In Serbia, all partner universities will offer a joint program and the issuance of diplomas has to be accordingly regulated by the accreditation rule and the law.

Serbia has five main areas of academic education and one sixth area entitled "multi-disciplinary studies":

1. Humanitarian
2. Technical art
3. Medical
4. Natural science
5. Engineering
6. Multi-disciplinary: ENERESE is placed in this category

Bosnia and Herzegovina and Montenegro have their own regulations. In BiH there seems to be a difficulty in the sense that classical engineers are needed and new professional denominations, such as energy efficiency, are not considered as being attractive. Hence, it seems not to be appropriate to issue a diploma with a new designation.

Comments from participants of the meeting:

- Students will be found
- These students will become energy managers
- EU goals of 2020 should be included and reflected in the ENERESE project
- This is a programme for the creation of capacity in the area of energy efficiency.
- Education should bring something new and be ahead of the current development
- The diploma should be entitled: Master of Science of Energy Efficiency

ADMISSION PROCEDURE

Prof. Bozidar Stanic proposes to have a joint procedure for admission to be adopted by all six WB universities. A list of supplementary courses can be drafted for students who need to do some preparatory back-up work before entering the ENERESE programme.

For Serbia: Three years Bachelors in Mechanical Engineering and four years Bachelors in Civil Engineering, Electrical Engineering and Technology have to be accepted. It has to be found if it is legally possible to take the best bachelors after completing three years of their four years study.

For Montenegro: In Montenegro at Civil engineering faculty after completing three years bachelor program students could proceed to one year specialized study program. they can proceed to another one year MSc study program. ENERESE study programme,

as a two year study program, would comprise both specialist and MSc degrees or it will be followed by special Diploma and diploma supplement.

TASKS FOR THE FOUR EU PARTNER UNIVERSITIES

Retraining teaching staff at EU universities:

Each WB University has to send two teachers for retraining to the four EU universities who must be committed to host three teachers each for a two week time period in 2014.

Receiving WB students at EU universities:

Each WB university has to send two students to EU universities and, in consequence, each EU University has to accept three students for a time period of two weeks.

BUDGET FOR PROCUREMENT

WB universities receive budgets at equal levels. WB university are invited to file proposals of around 30 000 € for equipment of 2000 € for books. The project coordinator wishes to organize all procurement within one single tender. With this procurement, the project becomes qualified to request the second payment of the EU commission after the first payment equal to 150 000 € has been demanded.

Rapporteur: Jan Clemens Bongaerts