



**544364-TEMPUS-1-2013-1-DE-Tempus-JPHES**  
**International Joint Master Program on Material and Energy Flow Management**  
**MEM**  
**&**  
**530194-2012 Tempus JPCR**  
**Energy Efficiency, Renewable Energy Sources and Environmental Impacts – master study**  
**ENERESE**

**Inter-project Coaching Meeting**  
**University of Belgrade**  
**Faculty of Technology and Metallurgy**  
**Belgrade, Serbia**  
**February, 12<sup>th</sup> 2015.**

**MINUTES OF THE MEETING**

The Meeting was attended by:

University of Novi Pazar

Represented by Ćema Dolićanin, coordinator of the Project ENERESE

University of Novi Sad, RS

Represented by Zoltan Zavargo, co-coordinator of the Project MEM

University of Belgrade, RS

Represented by Đorđe Janačković, local coordinator, Project MEM

**1. Short presentation of TEMPUS project MEM**

**Zoltan Zavargo**

The Project aim is to cooperate on Master level on Material and Energy Flows Management. Two Serbian universities, University of Novi Sad and University of Nis, will have joint master programme with Trier University of Applied Sciences, and Institute for Applied Material Flow Management (IfaS) in Birkenfeld. University of Belgrade, although not planned, will probably also have joint master programme. The 1<sup>st</sup> year will be held at Serbian universities and the 2<sup>nd</sup> at IfaS, Germany. After completing it in Serbia, the students will obtain one master degree and after completing their study in Germany they will obtain second degree from the German partner. It is also planned to introduce joint master work as well as LLL short training courses for Public services.

The general objective of the Project is to ensure that the targeted Partner Country universities are in a position to offer education which meets the European energy Policy.

**2. Short presentation of TEMPUS project ENERESE**

### **Ćemal Dolićanin**

The general objective of this project is better interaction between universities and enterprises for timely preparation of master graduates for labour market. This project will contribute to enhance communication channels between Universities and enterprises through which the transfer of know-how from universities to enterprises in the RUE fields will be achieved. Skills' shortages in this sector are already being identified by the great interest shown for the recently realized one year LLL master course "EE in buildings" at SUNP (with 32 BSc engineers of different specialities) and the expected growth will only exacerbate the situation. Within the expanding renewable energy labour market, an urgent demand is expected for more post-graduate trained staff, specialized in energy efficiency, renewable energy technology and their environmental impacts.

### **3. Presentation of the Master programme**

#### **International Joint Master Programme on Material and Energy Flow Management**

##### **Zoltan Zavargo**

The new Master study program Material and Energy Flow Management has been developed. The joint master programme, developed for Serbian partners, is based on the Master Programme in International Material Flow Management – IMAT held in Germany, FH Trier, Institute for Applied Sciences, Birkenfeld. The IMAT programme has accreditation in Germany. Two Serbian partners: University of Novi Sad and University of Nis already submitted the documentation for accreditation. University of Belgrade will probably, submit documentation next month. The Master programme in Serbia will start in academic 2015/16 year.

The lists of courses per semester for two Serbian universities (UNS and UN) were presented. The structure of the master programme is the same for both institutions; the only difference is in some elective courses.

### **4. Presentation the Master programme**

#### **Energy Efficiency, Renewable Energy Sources and Environmental Impacts**

##### **Ćemal Dolićanin**

The new joint Master programme **Energy Efficiency, Renewable Energy Sources and Environmental Impacts** is planned to be held at The State University of Novi Pazar. The new Master programme started in academic 2013/14. The professors from University of Belgrade, Faculty of mechanical engineering (RS), University of Nis, Faculty of mechanical engineering (RS), TU Bergakademie Freiberg (DE), Aristotle University of Thessaloniki (GR), University of Ljubljana, Faculty of mechanical engineering (SL) and University of Žilina, Faculty of civil engineering (SK) are also planned to have lectures.

### **5. Discussion and Conclusions**

- Both projects have developed a master study on energy, energy efficiency and environmental protection issue;
- The ENERESE Master study is held at The State University of Novi Pazar in Serbian language;
- The MEM Master study will be held at UNS, UN and maybe at UBg in English language;
- Both master studies (MEM and ENERESE) are engineering oriented. The difference is that in MEM, the application of zero emission concept is done through management of material and energy flow;
- The issues covered within both master programmes are very attractive at the EU level but the market such as Serbia is not prepared yet. Having in mind that Serbia is getting closer to EU, it is expected that in the near future these issues will be very attractive in our country, as well;

- Based on the ENERESE experience, great attention should be paid to advertising the Maser programme in order to ensure the enrolment of sufficient number of students.

### **End of the Meeting**

Note of the meeting made by Đorđe Janačković