

REPORT

Summer school “Climate change and Carbon Footprint Challenges”

The summer school titled as Climate Change and Carbon Footprint Challenges was held in Struga-hotel Drim in the period from 29.06 - 04.07 2015. The summer school was organized within a framework of the project “Quality Improvement of Master programs in Sustainable Energy and Environment – QIMSEE” funded by the Norwegian HERD Energy Programme.

The first day was introductory with the welcome speech of prof.Vojislav Novakovic and the prodean prof.Zoran Markov, after which prof. Nenad Debrecin & prof. Slavko Krajcar gave the students information regarding the student project mission.



Welcome speech

Next presentation was from the NTNU supervisors which aim was devoted to introducing participants with the experts in teamwork concept, introducing the methodology of supervising in theory and practice after which with the students performed few interactive exercises.



Supervisors presentation and students interactive exercise

The afternoon was reserved for the guided boat trip through the Ohrid Lake and visit of the monastery of St.Naum.



Boat trip and visit of monastery St.Naum

On the second day were presented the introductory lectures on selected topics as introduction to project in teamwork such as Energy production from renewable sources in Macedonia, Policy based local planning of energy infrastructure, Zero Energy or Zero Emission Buildings (ZEBs) etc. Further the students were divided into four teams each of them with one supervisor. Also they were given detailed introduction to the project, group exercise for the basic scenario of the project and their role in the team.



Introductory lectures

The student project was titled as Energy roadmap 2050 – case study Skopje. Each group of students had 3 days for the project and half day for the project presentation. The working period was from 09:00-16:00 with lunch and coffee breaks in between.



Students working in teams

Also on the second day was held round table where between the professors were shared experiences regarding the advantages and implementation possibilities for experts in team work.



Round table discussion

In the evening was the official dinner with a small performance of Macedonian traditional folk dancers.



Welcome dinner

The next three days had same agenda where until 16:00 was working period and in the afternoon there were free activities. On the third day, in the afternoon were organized several sports activities such as: beach volleyball, table tennis and bowling.



Sport activities

It was organized visit of Ohrid, a city famous by its rich cultural heritage. The visit was accompanied by tourists guide which provided exhaustive explanation.



Ohrid sightseeing

It must be noted that the students showed great commitment, working on the project even during the free periods staying late in the night. During the working periods all of the time were present the supervisors which stimulated the student work providing advices and directions thus improving the team work.

The last day was reserved for the students presentation of their work in front of the jury. Each of the team had 30min for presentation and 15min were reserved for questions and comments from the jury. Regarding the quality of the presentations general impression is that they were well prepared with interesting sound ideas, highly creative, exceeding the expectations. Interesting way of group presentation where each of the members took part in presenting.



Students presentations

At the end there was evaluation of the projects by the jury and announcement of the winning team.



The jury

The winning team and each of the team members were awarded with symbolic present. After that followed certificates award, closing ceremony and closing dinner.





Certificates and proclamation of winners

General impression and conclusion is that the summer school is successfully completed project. The main goal - introducing the students to team work was achieved.