

REPORT

SUMMER SCHOOL “CLIMATE CHANGE AND CARBON FOOTPRINT CHALLENGES - DECARBONIZATION ROADMAP”

This year the summer school “CLIMATE CHANGE AND CARBON FOOTPRINT CHALLENGES - DECARBONIZATION ROADMAP” was held in Bar, Montenegro in the period from 26.06 - 02.07. 2016. 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.

With an opening speech, the project coordinator, prof. Vojislav Novakovic from NTNU, followed by the hosts from the University of Montenegro the rector prof. Radmila Vojvodic, and the dean of the Faculty of Mechanical Engineering prof. Igor Vusanovic announced the beginning of one more challenging experience both for the students and the professors.



Welcome speech

Slavko Krajcar and Nenad Debrecin, the professors from the University of Zagreb, introduced the idea of the gathering and gave introduction to the aim and the expected outcomes of the project, passing the floor to the facilitators from NTNU to explain the process of working in team, observing, mentoring and leading a team. Further on, the ice-breakers helped the students to easily meet each other and starting to feel more comfortable in the group.



Introduction lectures



Ice - breaking exercise

The sightseeing of the old town of Bar, prepared the participants for the day full of diversity of lectures that were the core technical starting point for developing the projects.



Old town of Bar

The second day was devoted to introductory lectures on selected topics where the students had a chance to gain a basic knowledge about the Energy balance and Energy Roadmap of Montenegro, Energy efficiency and Renewable energy in urban areas, New technologies in transport, Challenges for energy supply for Zero Emission Buildings and Basics of carbon footprint. Proceeding with a detailed introduction to the project, a group exercise - the basic scenario of the project and role of the students in the team, guided from the NTNU EiT team.

In the afternoon, a traditional joint dinner was organized where all participants enjoyed the traditional food and drinks of Montenegro.

The students participants were delegated in three teams by the Organizing Committee. Each team had three days to create a Decarbonization Roadmap 2050 for Montenegro and half day for the project presentation.

The three upcoming days were challenging for the teams, they needed to develop teamworking skills, together create a strategy and find solutions for preventing the climate changes in Montenegro.



Students working in teams

A team building, outdoor activity successfully increased the “team spirit” and the motivation among the students and the professors - participants. These outdoor activities were pretty crucial in strengthening the teamwork and the competitive spirit, which played an important role in the end results at the summer school itself, which will also has consequences that will be felt in the future work.





Team building activities

The farewell dinner was used for some more relation strengthening, building up the friendships and planning the future collaborations. Happy to meet all the participants, but sad for the short time spent together the program proceeded to the last day.



Closing dinner

The last day of the summer school was reserved for the students project presentation in front of the jury. The long expected day, which came very fastly, considering the days spent hard working. After the presentation the jury evaluated the presentations, the project, the team - spirit, the teamwork and the overall quality of the result. Fairly, the best won the first place and received the deserved prize.





Project presentations

A bit more mature in building collaborative manner and team spirit, more aware about the surrounding and the importance of tolerance and acceptance of differences and appreciation for everyone's opinion we left Bar prepared for future bigger challenges.



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