



ERASMUS/IP PROPOSAL
YASAR UNIVERSITY(IZMIR/TURKEY)
www.yasar.edu.tr

Name of the IP: The Economics of Sustainable Energy with Clean Energy Point of View

Duration of the IP: 12 days (duration of stay is 14 days)

Planned Dates of the IP: 10-23 October 2011

Location of the IP: İzmir (the third biggest city in Turkey) and at Yaşar University

Level of the IP: Undergraduate Level

Subject Area(s): Energy, Technology, Energy Policy, Environmental Economics, Sustainable Economics, Finance of Energy Projects

Financial Dimension of the IP: Accommodation and subsistence costs of students and teachers are fully covered by the project. 75% of travel expenses will be covered by the project.

Determined ECTS for the IP: 6 ECTS

Project Coordinator (Contact): edip.teker@yasar.edu.tr

Project Advisors:

Cenk Sevim cenk.sevim@enercon.de, Energy Technology Specialist, Aero Wind Industry Inc. (Part time lecturer in Yaşar University)

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Focus of the IP: The objective of this IP is to introduce the renewable energy technology and increase the awareness level about the environmental consequences. Explaining the relationship between sustainable economy and renewable energy technologies. The target group consists of university BA level students and experts from the energy industry. Theoretical classes and technical visits to some industrial plants are the main activities of this program. The aim of the program is to increase the awareness about the energy efficiency. The expected outcome of the program is preparing a course schedule for the future semesters and creating opportunities for the future publications in this area.

During this program the attendance of 30 students and 5 lecturers is planned for this IP program, which contributes to the staff and student mobility across EU countries. The program also includes technical visits to a rotor blade production plant located in Aegean Free Zone in İzmir and a visit to a wind farm in Çeşme, İzmir. The students will also make a

technical trip to Clean Energy House in Buca, İzmir. Some courses will be given by experts from the energy industry firm located in İzmir. As an Example, Dr. Cenk Sevim is planning to attend the courses as a lecturer. As seen from these technical visits and lecturers, we can clearly say that the program volume of cooperation between higher education institutions and enterprises.

Request from the Partners: Each project partner for the proposed IP is expected to provide 5 students from undergraduate level and 1 teacher. Since the IP will focus on the above-given subject areas, the teachers are kindly requested from the relevant areas. Yaşar University has the Faculty of Economics and Administrative Sciences Department of International Trade and Finance, Faculty of Engineering and the European Union Research Centre. Thus, financial aspects are strong for the proposal. However, Yaşar University has not Energy Engineering, Mechanical Engineering or similar departments, which can undertake the technical dimensions. In this framework, from the partner universities, teachers from those departments are highly needed and welcomed.

Brief info about the rationale: World climate is changing rapidly with current fossil fuel based energy technology and our life style. Fossil fuel usage, energy production based CO2 emission, general consumption level and population growth rate are increased insomuch as industrial revaluation. If this current energy paradigm can not be changed, CO2 emission problem also continue with logarithmic increase. Energy production activities are the most dominant process in the CO2 emission sources.

Energy is one of the main sources of economical and social developments. Energy demand is increasing day by day both global and national scale of many countries. Current energy paradigm is based on fossil fuels but fossil energy sources decrease day by day and go through to death point. While this process, fossil sources constitute the main source of green house gas. Today, at this point usage and spread of renewable energy sources is taking place on the agenda of many countries. If the CO2 emission increases continue, many of world nations will be face off drought, famine, water and energy supply problems. At this point, current energy paradigms should be changed with renewable energy systems so level of energy production based CO2 emissions could be decreased.



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