

NEWSLETTER no. 1



Erasmus+



CLEAN kWAT Integrating Environmental Considerations into Energy Systems Development

ERASMUS+ KA2 Cooperation and Innovation for Good Practices

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Project Rationale

In Turkey and in Europe, number of institutional and legislative elements of environmental reform, as well as the infrastructure development, have been put on the agenda as part of the environmental planning and education where development of energy systems that protect the environment is an important part. Since energy systems, especially fossil fueled, leads to global warming, the energy systems designs must be done according to the rules of environmental protection and prevent the destruction of natural resources.

In the energy departments in many universities in Turkey there are no obligatory courses related to environmental impact of energy supply. Since the departments for energy systems engineering show increasing trend in recent years, there is a need for supporting education with training materials, especially with innovative ones.

The European Qualification Framework (EQF) aims to make National Qualification (NQF) understandable in Europe to allow the mobility of workers between countries and to make common learning system. It is necessary to enhance the quality and performance of VET system through improving guidance systems, promoting creativity, innovation and sharing EU experience in the field of education and training.

The CLEAN-kWAT project will address these issues through development of Learning Outcomes based training systems and redefinition of competence standards. It will highlight required skills and competences for working in energy supply sector, adapt





Target groups

The main target group of this project is energy systems designers and engineering students in related departments mainly in energy systems engineering.

Mechanical Engineers

Electrical Engineers

Civil Engineers

Environmental Engineers

Industrial and Production Engineers





Project Partners



Giresun University is one of the reputable universities in Black Sea region with 13 faculties, 3 Institutes, 6 Higher Schools, 11 Vocational Higher Schools and a State Conservatory.

www.giresun.edu.tr



Orkon is an international engineering, training, consulting and project design organization in Turkey. It works in infrastructure, electrical, water, environmental and transportation projects

www.orkon.info



Gazi University, with 80,000 students, is one of the few universities whose history dates back to 1920s in Turkey. It is one of the largest universities with faculties from education to communication, fine arts, engineering, sports, economics, technology.

www.gazi.edu.tr



KALIENERGY aims to find the best solutions which fulfill latest technical and contractual standards in power supply industry and infrastructure sectors, which are economically and ecologically sound, socio-politically meaningful and which ensure long-term sustainability.

www.kalienerji.com





Project Partners



University of Belgrade, which enrolls 89,000 students, is ranked among top 500 universities in Shanghai University list in 2017 (position 201-300). Faculty of Mechanical Engineering, performs basic, applied, development and scientific research in various engineering fields.

www.bg.ac.rs



Asociacion Amigos de Europa Leonardo da Vinci (AELV) is a non-profit association. Their mission is the exchange of young people in EU and other countries, to promote training, support and technical expertise, social and political awareness

www.aelv.org



The Renewables Academy AG (RENAC), based in Berlin, Germany, is one of the leading international providers of education and training in the fields of renewable energy (RE) and energy efficiency (EE).

<http://www.renac.de/en>



Energiaklub is an environmental association. Its work concentrates on climate and energy policy by addressing energy efficiency, renewable energy sources, climate mitigation and adaptation, conventional energy sources, as well as good governance in these fields.

www.energiaklub.hu





Kick-off Meeting

The Kick-off Meeting of the CLEAN-kWAT project was held in Giresun on 16th and 17th of March 2017.

It was a chance for the partners to meet and get to know each other better. The tasks were distributed between partners and the Table of contents for one of the main results of the project, Training book, was introduced. The Book on “Integrating Environmental Considerations into Energy System Development“ is planned to be the training material that can be used for improving the quality of education in the field of energy production, paying special attention to environmental aspect, not only for conventional systems, but also for renewables.

All partners agreed on making National report for their country describing current energy and environmental status and related policies.



2nd Project Meeting

The 2nd Partner Meeting was held in Budapest, where our partner from Hungary, Energiaklub was the host.



During the meeting the Partners analyzed the performed and planned task and activities. Some dilemmas and raised questions were actively discussed.

The next partners meeting is scheduled for March 2018 and it will be held in Jerez de la Frontare in Spain.



Expected Project Results

Here are the most important results of CLEAN-kWAT Project:



- Book on „Integrating Environmental Considerations into Energy Systems“
- Booklet on EQF and ECVET Definitions



- Training materials
- Videos (Documentaries based on the Book chapters)
- Knowledge-base Website
- Moodle e-learning Portal



- Multiplier events where all the products are presented and discussed
- Strategic Partnership

What have we done so far?

- **The National Report was done for each partner country**

National report shows that there is growing interest in energy related courses, but also necessity for the support with innovative training material and exchange of experience between countries

- **The Training book is getting its shape**

The Training book is getting ready. The draft will be ready for the Multiplier events when the invited relevant participants will give us the feedback. Their experience will help us in fine tuning of material.

- **The Training documentaries are being recorded**

Visual training material will follow the Book and encourage young people to start the discussion on relevant topics

- **The knowledge base website with e-learning portal is set up**

The website is active and it keeps being updated with the latest results and information. After the testing phase, it will be available for wide users to login and attend the courses.

- **The dates for the first set of Multiplier events are soon to be announced**



Do not miss the chance to participate!

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Facebook:

www.facebook.com/cleankwat

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