

ENERGY EDUCATION



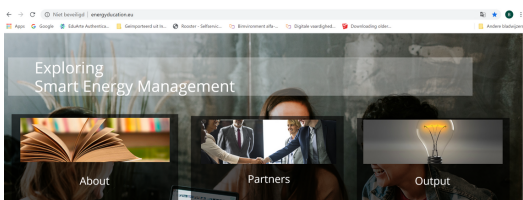
www.energyeducation.eu

NEWSLETTER

april 2020

Smart Energy Management Education in Times of Corona

After setting up a Qualification description of a "Smart Energy Manager" our project team designed different MOOC lessons on the following topics: Climate Change and Introduction to Smart Energy Management, Thermal Installations, UX design and lightning, Electricity and Automation. These lessons are based on the the Project Based Learning methodology and encourages collaborative online learning. Recently, our project team has entered the third phase of our project: piloting the designed lessons. Even if the piloting was meant to be implemented face to face with our students, the Corona crisis made it necessary to switch to distance learning, a challenge that we managed very well as all the training lessons are online in MOOC format. As the urgency for online training materials in times of distance learning is increasing, we decided to publish our beta-versions thereby making them available on our project webpage: www.energyducaiton.eu



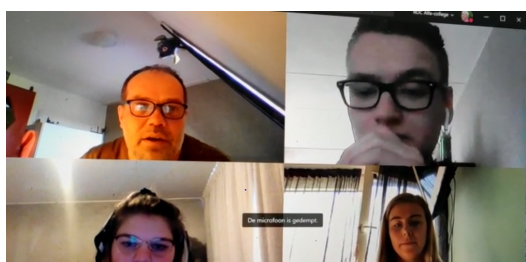
Homepage of our website:
www.energyeducation.eu



Piloting in Usurbil, Basque Country



In the beginning students started working in groups and getting frontal lessons.



Now, students receive Online lessons in groups with teacher

Piloting in Usurbil, Basque Country

The experience was carried out with a group of 15 students (second course in "Energy Efficiency and Solar Thermal Systems") and their feed-back was in general positive. *"I gained knowledge about the Smart Energy Management and its facts"* (Smart metering, standads...). Students also worked on an Energy Efficiency analysis of a standard school building, by studying the online content.

Piloting on Alfa-college, The Netherlands

In the Netherlands 40 students are busy participating in the piloting. The students started pre Corona in a normal school environment, working in groups and getting lessons face to face. Suddenly the school closed down and teachers are asked to give lessons online. Alfa-college uses Microsoft Teams as the platform for online education. All lessons were moved to Teams. Group meetings are now online and we are excited that attendance is very good. Compliments for the students, who comprehend that online education is time well spent. Unfortunately most of the practical assignments can't be made at home. Students regret this as they prefer to learn by doing.

IBL - European Credit System for VET (ECVET)

LERNMATERIALIEN

0) Welcome to the European Credit System for VET

1) Introduction to ECVET

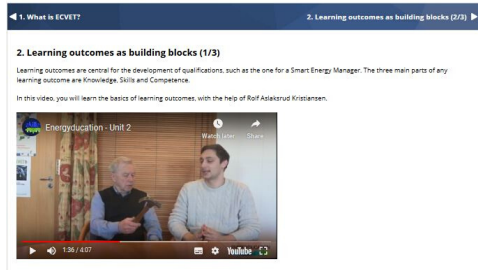
2) ECVET and Mobility

3) ECVET and Lifelong Learning

ECVET course is hosted on the ILIAS platform of MSVE

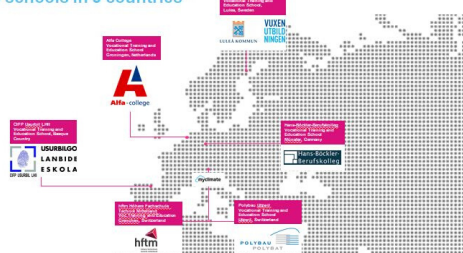
1) Introduction to ECVET

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ECVET lessons on learning outcomes

6 schools in 5 countries



Online course about the European Credid System for VET (ECVET)

ECVET is a technical framework for the transfer, recognition and accumulation of an individual's learning outcomes with a view of achieving a qualification. This reference framework makes qualifications also more readable and understandable across different countries and systems and is therefore very useful to recognize learning achievements made in students' mobilities cross Europe. But how to create a qualification description using this framework and how can we validate with ECVET the mobility projects of our VET learners ?

Our partner from Norway NTI-MMM designed a MOOC course on these topics, including many examples and templates for implementing ECVET in technical and other training courses.

To access the training, please visit our project webpage:

www.energyducation.eu

Virtual Student Competition

From January to April 2020 the first Energyducation competition for VET students in Europe takes place. The challenge is to develop innovative product or system solutions for a school building using Smart Energy techniques.

All students have a basic understanding for Smart Energy principles or learn it concurrently. Students from different countries meet online to present their smart solutions and discuss their ideas between each other.

The winners will travel to Germany for a study visit at Passivhouse Institut in Darmstadt.

Virtual Partner Meeting

We should have had our 3rd partner meeting in Münster, Germany on beginning of april. Instead we had our meeting online in the digital world. Communication is more difficult this way and good meeting discipline paramount. Nonetheless we could conduct a successful meeting with all partners and

As the main outcome our lesson material will be available as beta-version via our website:

<http://www.energyducation.eu/Output-2/>

or via the following link:

[https://ilias.fh-](https://ilias.fh-muenster.de/ilias/goto_Bibliothek_crs_542294.html)

[muenster.de/ilias/goto_Bibliothek_crs_542294.html](https://ilias.fh-muenster.de/ilias/goto_Bibliothek_crs_542294.html)

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Virtual partner meeting via Skype



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