



## Education in Sustainable Energy by European Projects

Corina Stanescu (1) and Crina Stefureac (2)

(1) "Ion Creanga" National College, Bucharest, Romania, (2) "Mihai Bravu" Technical College, Bucharest, Romania

Our schools have been involved in several European projects having with the primary objective of educating the young generation to find ways for saving energy and for using the renewable energy. Small changes in our behaviour can lead to significant energy savings and a major reduction in emissions. In our presentation we will refer to three of them:

- The Comenius 1 project "Energy in the Consumers' Hands" tried to improve the quality of education for democratic citizenship in all participant schools by creating a model of curricula concerning the integrative teaching of democratic citizenship using the topic approaches based on key concept – energy as important element of the community welfare.

The students studied on the following topics:

- Sources of energy
- The clean use of fossil based resources;
- The rational use of energy
- Energy and the environment

- The project "Solar Schools Forum" (SSF) focuses on environmental education in schools, in particular addressing the topics of Renewable Energy (RE) and Energy Efficiency (EE). The youth need to become more aware of energy-related problems, and how they can change their own lifestyles to limit environmental damage caused by the daily use of energy. As the decision-makers of tomorrow we need to empower them to make the right choices. The SSF is aimed at improving knowledge about RE and EE among children and young people, using a fun approach and aimed at generating greater enthusiasm for clean energy. The youth will also be encouraged to help raise awareness and so act as multipliers in their own communities, starting with their families and friends. As a result of this project we involved in developing and implementing an optional course for high school students within the Solar Schools Forum project. The optional course entitled "Sustainable energy and the environment" had a great deal of success, proof of this success being the fact that it is still taught even today, three years after its completion. Students also show a great deal of interest towards this course. More information are available on [www.school4energy.net/](http://www.school4energy.net/), [www.ises.org/schools/](http://www.ises.org/schools/)

- The newest is the project "Intelligent Use of Energy in School", starting in this school year. This European project is part of Intelligent Energy program, aims to promote a more efficient way of using energy in every day life among secondary schools students and teachers. IUSES will show secondary school students the basic principles of energy efficiency and give a comprehensive guide to saving energy in their everyday lives.

IUSES is currently developing a behaviour-oriented educational kit including: handbooks, multimedia animations and experiment tool-kit. The educational kit will be freely available for downloading on this web site. The project will also include the launch of the European Energy Saving Award in 14 different countries which will reward schools and students that improve their energy efficiency.

More information is available on [www.iuses.eu](http://www.iuses.eu) or [www.iuses.ro](http://www.iuses.ro)