

Energy for the future



From the digital alarm clock in the morning to the light we switch off before sleeping, our daily life is marked by constant use of energy.

Whenever we are cooking, travelling to school, listening to music or taking a bath or shower, we are consuming energy. All of these cause CO₂ and other pollutant emissions as well as costing money.

We usually don't consider our everyday actions much: turning on a light, driving, taking a drink from a fridge. However small changes in our behaviour can lead to significant energy savings and a major reduction in emissions.

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 will also provide students with an overview of energy efficiency in industry and a thorough understanding of energy consumption in society.

IUSES will also design an educational kit for secondary schools to help teach efficient energy usage in interesting and effective ways.

The kit will include:

- >> **A set of handbooks for students**
- >> **A guidebook for teachers**
- >> **An interactive multimedia DVD**
- >> **An experiment tool kit**

The tool kit is free of charge to participating schools and can greatly aid teachers to promote and participate in multidisciplinary cooperation. The European Energy Saving Award will be launched to highlight and reward the most energy efficient European school.

Partners



Austria
University of Leoben
www.mu-leoben.at

Austria
Stenum
www.stenum.at

Bulgaria
University of Ruse
www.ru.acad.bg

Czech Republic
Enviros
www.enviros.cz

France
Prioriterre
www.prioriterre.org

Greece
CERTH
www.certh.gr

Ireland
Clean Technology Centre
Cork Institute of Technology
www.ctc-cork.ie

Italy
AREA Science Park
www.area.trieste.it

Italy
Science Centre
Immaginario Scientifico
www.immaginarioscientifico.it

Latvia
Jelgava Adult
Education Centre
www.jrpc.lv

Netherlands
IVAM
www.ivam.uva.nl

Rumania
University "Politehnica"
of Bucharest
www.renerg.pub.ro

Rumania
S.C. IPA S.A.
www.ipa.ro

Slovenia
Slovenski E-forum
www.se-f.si

Spain
CIRCE
<http://circe.cps.unizar.es>

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The European Energy Saving Award

In the school year 2009-2010 the European Energy Saving Awards will be launched in the 12 countries directly involved in the project (Austria, Bulgaria, Czech Republic, France, Greece, Ireland, Italy, Latvia, the Netherlands, Rumania, Slovenia and Spain), in Germany and the United Kingdom.

The award will comprise three categories:

- >> **Schools**
- >> **Individual students**
- >> **Videos**

Schools and students will receive awards based on the energy savings they achieve and how they achieved them. Moreover, a special prize will be awarded for the best video produced about energy savings.

The IUSES educational kit will help teachers and students in defining an energy saving plan, providing them with several hints and tips for improving energy efficiency and avoiding unnecessary waste.

By taking part in the competition they will discover how much energy (and money) they can save with small changes in their daily lives.

Qualifying rounds for the awards will be held at national level and the best three applicants of each category will take part in the European competition.

In Autumn 2010 the European overall Prize Giving Ceremony will be held in Trieste, Italy.

How can IUSES help teachers?

- >> The IUSES educational kit will enable teachers to easily and effectively teach energy related topics
- >> The full educational kit provided will include:
 - A full set of student handbooks on the most critical energy topics, including special modules on buildings, industry and transport
 - A teachers guidebook
 - A DVD including interactive animations
 - A kit for producing experiments on energy related topics
- >> Teachers who take part in the testing of the IUSES educational kit will receive a free training course provided by experts, and including the most up to date information on modern energy efficiency
- >> IUSES will provide the potential for energy and costs savings for you, your students and your school
- >> IUSES will reduce the impact of your school on the environment
- >> IUSES will include participating schools in a database of European Energy Efficient Schools that will be published on the project web site www.iuses.eu

How can IUSES help students?

- >> IUSES will provide students with significant knowledge on energy related topics that are crucial for everyday life as well as future 3rd level education and job prospects
- >> The IUSES multimedia material will encourage students to learn in an interesting and stimulating way
- >> IUSES will allow students to experience how easy and cool adopting an environmentally friendly lifestyle can be
- >> IUSES will encourage students to get used to more environmentally friendly modes of transport
- >> The energy efficiency promoted by IUSES will facilitate significant cost savings and reduced energy consumption by students and their families
- >> Participation in the IUSES European Energy Saving Award will be a fun and challenging educational experience for individual students, classes and the whole school.

