

Intelligent Energy Education

EESC Hearing on Educating young people about green energy issues

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Martin Eibl - Executive Agency for Competitiveness and Innovation (EACI)



What do we do?

Management on behalf of the European Commission the following EU Programmes



3 Funding Schemes

1 Network



Intelligent Energy  Europe

INTELLIGENT ENERGY - EUROPE



- EU support programme promoting increased **energy efficiency** and the use of **renewable energy sources** by overcoming the non-technological barriers
- The current IEE programme runs from 2007 to 2013 with a budget of **730 mio€**
- Annual Calls for Proposals
Call 2010 is OPEN NOW!!

Where does the IEE programme stand?

460 IEE-supported projects across Europe

Energy efficiency



Renewable energy



Integrated initiatives

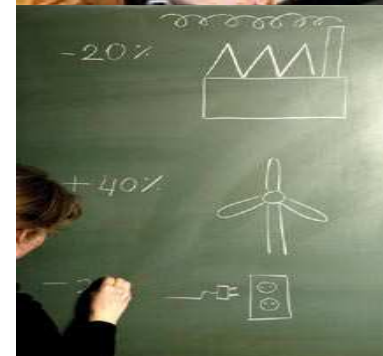


→ Don't reinvent the wheel!

Addressing Intelligent Energy Education at all levels

Intelligent energy education key action – General objectives

- Contribute to development of energy education in primary, secondary and higher education
- Make young generations adopt intelligent energy behaviour



Intelligent Energy Education key action – Overview

- 20 projects in primary, secondary and higher education involving over 200 beneficiaries from 26 MS reaching out to around 5,000 schools

- teaching material for all age groups
- train the teacher programmes
- e-learning courses and computer games
- experimental tool kits
- greater access to energy education material
- animated cartoons



IUSES



- Student and teacher materials in 12 EU languages
- Students/Teacher handbooks for three sectors: building, transport and industry.
- DVD with animations and interactive games
- European Energy Award will be given to the most energy-efficient schools and students

To encourage secondary school teachers and students to make a more intelligent use of energy at schools.

www.iuses.eu



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ENERCITIES

**On-line
challenging
and exciting
game to
learn energy
management
and change.**

- The goal is to create and expand virtual cities coping with pollution and energy shortage.
- Competitions will be organised between students.
- Schools will benefit having a learning tool.
- 26,000 youngsters will kick off the game-based platform in six regional events.

www.energycities.com



YEP!



www.youngenergypeople.com

- Energy agencies, secondary schools and businesses working together towards improved energy sustainability
- School Energy Management Team (SEMT) of pupils advising businesses on rational use of energy and renewable energy systems
- Skills are transferred to the workplace through student placements.



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YES



- Series of fun and exciting animation cartoons to raise awareness on energy efficiency and sustainable transport amongst children aged 5 - 8 years



- Complementary teaching packs and resources for use in schools

- Lead by animators, international environmental organisations and children from five EU countries.

www.animate-eu.com

www.myfriendboo.com



Intelligent Energy



Europe

KIDS4FUTURE



- ‘Rainmakers’ story book in three parts for primary school pupils in 10 languages

- 40,000 children read the ‘Rainmakers’

- 600 schools and 1,300 teachers involved

- educational material and games to complement books

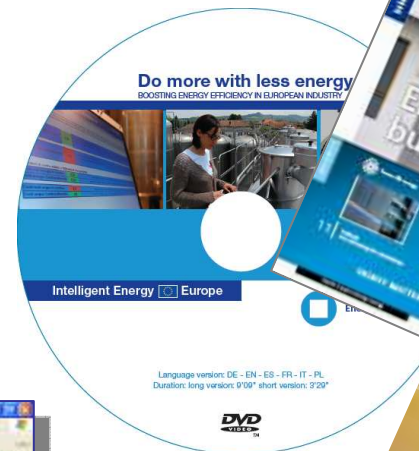


www.kids4future.eu

www.rainmakers-eu.eu

Need more details?

<http://ec.europa.eu/energy/intelligent/>



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Lessons learnt

- **There is a wide range of high quality material for extra-curricula lessons on intelligent energy education**
 - ▶ Material needs to be clear and simple to be integrated by enthusiastic teacher
 - ▶ Accompanying in-service training is essential to ensure teacher know how to apply material in their classes

- **A systematic integration of intelligent energy issues into national curricula is yet to be achieved**
 - ▶ Constraints in terms of lack of interest, time and overcrowded curricula remain

Managenergy - KidsCorner



www.managenergy.net/kidscorner



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Training and education for labour market

■ Training professionals, e.g.

- ▶ Farmers for biogas
- ▶ Geo-education for heating and cooling market
- ▶ Building professionals



■ Accreditation and certification, e.g.

- ▶ Common quality certification for installers of small scale RES
- ▶ Certification of energy managers



■ Promotion of intelligent energy job profiles

European Intelligent Energy Education competition

- Starts 2010 (two cycles)
- All EU27 (+ possibly Norway, Iceland, Croatia and Liechtenstein)
- Primary and Secondary schools (min 1,000 per cycle)
- Objectives are to identify and promote:
 - ▶ most energy-efficient practices in schools
 - ▶ most advanced practices to introduce intelligent energy education in schools



Contact

Thank you for your attention!



Martin.Eibl@ec.europa.eu

<http://ec.europa.eu/intelligentenergy>



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