

Submission form for case study

Project Title: Educational activities of Cyprus Energy Agency

Name of promoter: Cyprus Energy Agency

Country: Cyprus

Date of submission: 29/10/2010

Energy area	Target audience	Technology	Type of activity
<input type="checkbox"/> Buildings	<input type="checkbox"/> Citizens/Households	<input checked="" type="checkbox"/> Energy efficiency:	<input type="checkbox"/> Awareness-raising campaign
<input type="checkbox"/> Transport and mobility	<input type="checkbox"/> Property owners	<input type="checkbox"/> Heating	<input type="checkbox"/> Financial instruments
<input type="checkbox"/> Industry	<input checked="" type="checkbox"/> Schools and universities	<input type="checkbox"/> Cooling	<input type="checkbox"/> Legal initiatives
<input type="checkbox"/> Products	<input type="checkbox"/> Policy makers	<input type="checkbox"/> Appliances	<input type="checkbox"/> User behaviour
<input checked="" type="checkbox"/> Other Renewables, energy saving and sustainable transport and mobility	<input type="checkbox"/> Local and regional authorities	<input type="checkbox"/> Lighting	<input checked="" type="checkbox"/> Education
	<input type="checkbox"/> Transport companies	<input type="checkbox"/> CHP	<input type="checkbox"/> Planning
	<input type="checkbox"/> Utilities	<input type="checkbox"/> District Heating	<input type="checkbox"/> Other
	<input type="checkbox"/> ESCOs	<input checked="" type="checkbox"/> Renewable energy:	
	<input type="checkbox"/> Architects and engineers	<input type="checkbox"/> Solar	
	<input type="checkbox"/> Financial institutions	<input type="checkbox"/> Bio	
	<input type="checkbox"/> Other	<input type="checkbox"/> Wind	
		<input type="checkbox"/> Geothermal	
		<input type="checkbox"/> Hydro power	
		<input type="checkbox"/> Other	

Summary including context and objectives

One of the main objectives of the Energy Agency is the systematic education / information / training and special attention is given to educational presentations at schools in Cyprus. Since April 2009, when the Energy Agency began its activities of education, so far, the Energy Agency has made study visits to more than 90 schools of all educational levels, which informed more than 15.000 students and 1000 teachers on the topics of renewable energy, energy saving, sustainable transport and environmental protection. The educational activities are not limited to that: demonstration tools, poster with 4 tips for energy saving for kids, educational table game, on-line monthly educational quiz, organization of the annual kids drawing competition "I draw for renewables, energy efficiency and sustainable transport", educational leaflet for teachers etc



Project description

Piraeus Bank Cyprus was the exclusive sponsor for the printing of 70.000 posters addressed to children with 4 simple saving tips and slogan protect the environment. The aim is the posters to be distributed to all pupils during the educational visits to the elementary schools in Cyprus. The objective of the Energy Agency is to create the same poster for high school students when the necessary additional financial resources will be available.

The Energy Agency and Piraeus Bank Cyprus celebrated World Environment Day June 5, 2009 with the awards ceremony for children who participated in painting competition on "paint for renewable energy, energy saving and environmental protection". The awards were presented by Environment Commissioner. The competition was organised with cooperation and approval of the Ministry of Education and Culture.



The kids drawing competition

The Monthly Quiz is available online since October 2009. The creation and operation of the monthly quiz is sponsored by the Electricity Authority of Cyprus. The quiz is available in the Kids Educational Corner on the website of CEA www.cea.org.cy.

In the competition can participate children aged between 6 to 12 years. They can register and respond correctly to 10 questions on renewable energy, energy saving and energy production. At the end of each month a winner emerges who responded correctly to 10 questions and CEA sends an educational award.

Training teachers. CEA created two reports: "Notes for the elementary education teacher on RES and Energy Saving Techniques" and "Notes for the high school teachers on RES and Energy Saving Techniques". Due to lack of financial resources, both publications are available electronically only on the website of the Energy Agency www.cea.org.cy at the educational corner.

Educational DVD. CEA will develop an educational DVD that will aim to highlight and promote renewable energy, energy saving in Cyprus (time that should not exceed 15 minutes). The DVD has two levels one for kids and one for adults. This DVD will be distributed at schools that invite CEA for educational presentations and will also be used during the training activities to citizens.

Theatre – Play for kids – Nikolakis recycles and saves energy. The Cyprus Energy Agency shall contribute in an attractive way to fun and education for elementary students in collaboration with the Children's theatre Kyriakidis the play "Nikolakis recycles and saves energy". The Cyprus energy Agency contributed with the preparation of the texts of the play. This play is now approved by the Ministry of Education and Culture and will be started in October 2010.

Educational Table Game. Under the activities of the Cyprus Energy Agency has also created an attractive large, educational game on a metal table "the energy snake" for elementary school students, with educational questions based on Renewable Energy and Energy saving techniques, which held with great success in primary schools. This is also available in table game size.

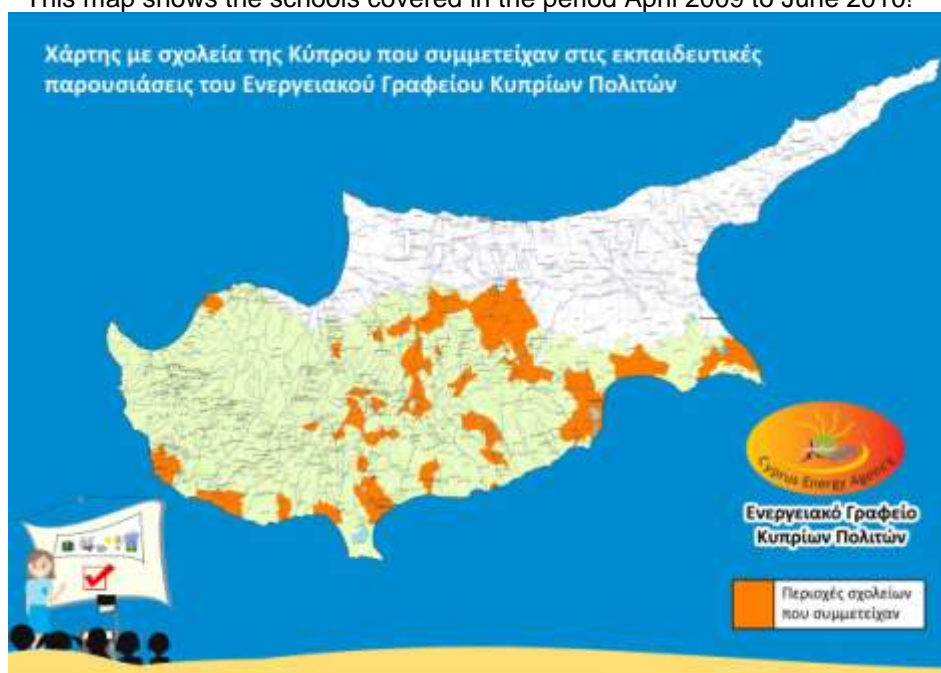


Results and impacts

Our target for educational activities at schools for the period 2009-2012 are the following:

▪ To increase awareness through educational activities at schools	▪ Number of pupils participating in educational presentations on RES, energy saving and environmental protection	▪ >60% of primary education ▪ >30.000 pupils
	▪ Number of teachers educated	▪ >2.000
	▪ Distribution of material	▪ >70.000 pieces
	▪ Number of kids 6-12 years old participating in the on-line quiz	▪ >1500
	▪ Number of schools	▪ >150

This map shows the schools covered in the period April 2009 to June 2010!



Expected energy saving per year 720 MWh

Expected CO₂ reduction per year 932 t/year

The calculations are based on the model developed by the Covenant of Mayors.

Sustainability of the action and financing

This action has the preliminary support by the Ministry of Education and Culture, the Municipalities signed the Covenant of Mayors, Private companies that finance the actions. Currently the cost is estimated approximately 15,000 euro's/year



Project team

The educational activities of the Cyprus Energy Agency are carried out by an employee that deals only with the educational activities. The contribution from academia, other private institutions, private companies and public entities etc is very important.

Lessons learned and replicability

We could gain a lot of experiences through our educational activities that could be transferred to other European organizations. Our activities could be replicate especially those that are related with demo activities e.g. the educational table game but also the theater play which has a lot of positive impact to young people. The texts of the Theater play were written by the Cyprus Energy Agency and easily can be translated to other languages. The poster the educational presentations also can be easily translated to other languages. Moreover, the students really enjoy those activities that they feel that are involved e.g. the annual drawing competition and the table game. The lessons learned are the following:

- Involve students to interactive activities
- Instructional materials must be experiential and to make children want to learn more about the subject
- The awards should be educational and personal, however sometimes is good to award the schools as well

Contact for more information

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Printed reports or other literature available:	In Greek available on line the evaluation of educational activities through distribution of questionnaires to students and teachers