

Local Dissemination Actions in the Czech Republic (SUNFLOWER Project Realisation in Litoměřice)

Within the framework of SUNFLOWER Project in the Healthy City of Litoměřice, there have been **8 awareness-raising events dedicated to the issue of sustainable energy**. The events were realised in the period of March to May 2010 in a form of competitions, seminars, educational programmes, project days and discussions focused on renewable energy resources and their utilisation and energy saving possibilities.

The Project Sunflower as well as the financial resources that enabled its realisation were duly promoted as a part of all events.

Event: Future Energy of Europe – 1. 3. 2010

Within the framework of this event there was e.g. a projection of film connected with lecture on use of renewable resources, attended by pupils of 6th - 7th grade of Havlíčkova basic school, Litoměřice. Within the framework of this event the pupils found out more e.g. on global climate changes, on various types of renewable energy resources, such as biomass, hydraulic or wind energy, similarly there was introduced the possibility of utilising solar energy (elements of solar systems for water heating, their dimensioning, possibilities of placement, energy gains etc.) After the lecture, town Mayor Mr. Ladislav Chlupáč ceremonially posted energy label on the school building, informing the users on building's demands from the point of view of its energy consumption and impact on the living environment. Doing so, the school ranked among 10,000 other buildings in Europe, already labelled in this manner.



Attendance at the event: approx. 90 persons

Outputs: Photographs from movie projection and from unveiling of energy label

Event: „Draw or Make Your Own Electric Appliance“ – 1. 3. – 1. 4. 2010

The competition that took place in all classes of basic school Havlíčkova - Litoměřice was focused of energy saving in households. The pupils' task was to create such an electric appliance, whose consumption will be as low as possible and which would use only renewable resources. Pupils for instance manufactured solar television, telephone, refrigerator etc. The pupils who made up the most original product received a reward in a form of parlour game. All produced works were exhibited for the whole month in the basic school entrance hall.

Attendance at the event: the whole school - approx. 290 persons

Outputs: Photographs of exhibited pupils' works

Event: Energy Savings Educational Programme Connected with Posting of Energy Label - 21. 4. 2010

A programme intended for pupils of 9th grade of Na Valech basic school, Litoměřice, was divided into two sections (introductory and practical): in the introductory part we were informed as to which energy resources were most suitable for man as a user of natural riches, how to gain such energy and what to use it for. The practical part focused in more detail on application of energy savings and on renewable energy resources. In the course of this part, pupils in groups selected one



renewable resource (about which they were informed in the introductory section) and created school project or event that would help to utilise this resource for energy saving in a building. Pupils presented their ideas to their classmates, pedagogues and presenters. The group with best project design was rewarded by a T-shirt of Environmental Education and Ethics Centre Rýchory - SEVER. The whole event culminated by ceremonious unveiling of energy labels on both buildings of Na Valech basic school.

Attendance at the event: approx. 40 persons

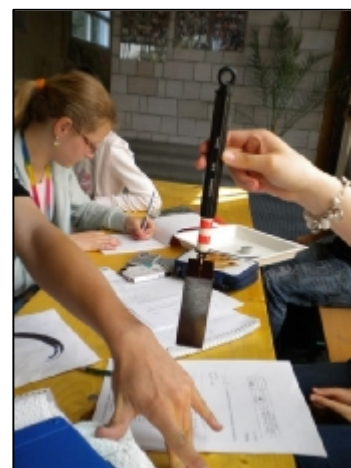
Outputs: Photographs from the lecture and from unveiling of energy label and press release

Event: Day of Science at the U Stadionu Basic School, Litoměřice - 14. 5. 2010

Opening of the project day - Science Day commenced ceremoniously. The mayor, Mr. Ladislav Chlupáč familiarised the children with methods of how the city of Litoměřice cares for environment-friendly approach to creation of conditions for the life of local inhabitants and for economical utilisation of energies in public municipal buildings. For this reason, energy label was also ceremoniously posted on the building of U Stadionu basic school (it is already the fourth labelled public building in the town). The head of environmental department - Mr. Pavel Gryndler further explained as to what data are displayed in the energy label and informed on possible energy handling savings. Afterwards there was a separate event within the framework of which pupils went through the following points:



- Computers - creating of solar system, building of structures from cubes
- Physical experiments - verification of theoretical knowledge of physics in practice - physical experiments
- Buoyancy force, Caleiodocycles - calculation of human body's volume using the Archimedes principle, production of caleiodocycles
- Brain teasers - mathematical quizzes and brain teasers
- Solar force - utilisation of solar energy - moving of objects using the sun
- Geometry in the playground - creating of triangles blindfolded



The project day was realised for all basic school classes - pupils broadened their horizons and pedagogues entertained themselves fulfilling the tasks at individual points.

Event attendance: the whole school - approx. 400 persons

Outputs: Photographs from the project day and from unveiling of energy label

Event: Energy savings - 12. – 16. 4. 2010



The programme focused on energy savings was overall divided into 5 partial events, organised for various age groups (1 educational programme was attended by approx. 20 pupils) Using these events, the pupils of seventh, eighth and ninth grades of basic schools and grammar school students found out how and what from energy is obtained and how this activity influences the environment. They were familiarised with important notions such as: renewable and non-renewable energy resources, sustainable energy consumption. In addition to this, pupils were shown in examples, how they can

save energy themselves. For instance they had to try to put themselves in the shoes of a businessman who offers a certain kind of energy resources (hydraulic, wind, geothermal, solar, nuclear...) to investors. Their task it was to point out their power plant, mention the positives and negatives, on the basis of these information the investors selected a potential partner to whom they would lend finances for project realisation. The best prepared businessmen - pupils received a reward in a form of t-shirt from Environmental Education and Ethics Centre - SEVER. The Week of Savings took place on the occasion of "Earth Day 2010" Campaign.

Event attendance: 184 persons

Out of which:

- 7th grade BS Litoměřice, Na Valech – 19 pupils
- 7th grade BS Litoměřice, Havlíčkova – 18 pupils
- 7th grade BS Litoměřice, Havlíčkova – 23 pupils
- 8th grade BS Litoměřice, Havlíčkova – 23 pupils
- 8th grade BS Litoměřice, Havlíčkova – 19 pupils
- 8th grade BS Litoměřice, Na Valech – 23 pupils
- 9th grade BS Litoměřice, Na Valech – 18 pupils
- 9th grade BS Litoměřice, Na Valech – 26 pupils
- prima Grammar School J. J. Svojsíkova, Litoměřice – 15 students



Outputs: Campaign poster "Earth Day" and photographs from the programmes

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Contact person (HCCZ):
Radka Svikova
Healthy Cities of Czech Republic
E: praha@nszm.cz
W: <http://www.nszm.cz>



Contact person (Litoměřice):
Antonin Tym
Healthy City of Litoměřice
E: gte@litomerice.cz
W: <http://zdravemesto.litomerice.cz/>