

Date: MAY 2009



ENVIRONMENT & INNOVATION:

Theme 2007/2009

climate change:

let's save energy!

Final Project Report

Environment and Innovation

1. Delegation Identification

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| Country: | Portugal |
| Organisation: | Abae |
| Project Name: | Environment & Innovation - A project to promote schools' innovative environmental problem-solving By International Eco-Schools Programme (FEE) in partnership with Toyota Motor Europe |
| Activity Name: | Eco-Schools/Toyota Europe |
| Date: | 25 th May 2009 |

2. School Identification

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| School Name / Group of Schools Name: | EB 2,3 of Lousada / Eco-Schools EB 2,3 of Lousada |
| Address: | Hans Isler Street 4620-122 Lousada |
| Region: | Portugal |
| Telephone: | 255812303 |
| Fax: | 255814555 |
| E-mail: | info@eb23-lousada.rcts.pt |
| Website or Project website: | http://ecoescolaseb23lousada.blogspot.com |
| Contact person for this project: | Luis Rodrigues |
| - Position in school | Eco-Schools Co-ordinator |
| - Direct email | Lap_rod@sapo.pt |
| - Direct telephone | +351 964 546 694 |
| Type of school (kindergarten, primary, secondary, etc.): | Junior school |
| Age of students involved in the project: | 9-15 years |

Date: MAY 2009

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| Number of students directly involved in the project: | 70 |
| Total of students in the School: | 941 |
| Number of staff/teachers directly involved in the Project: | 3 (Luís Rodrigues; Margarida Sentieiro; Susana Carrilho). |
| Total of staff/teachers in the School: | 98 |
| Other participants involved (individuals and/or organizations) and the number of them: | Within the school Teachers and students (informal) Outside the school Social Santa Casa (2) Célia Magalhães; Célia Faria – Santa Casa da Misericórdia de Lousada - Lousada's Rest House (40 aged people) |
| The other participants role: | Câmara Municipal de Lousada - Lousada's Town Hall |
| Rural / Urban setting: | Mixed |
| Other relevant information: (maximum 100 words) | Our school is situated in Lousada, an industrial and agricultural area that is known as the youngest Town Hall of Portugal. |

3. Project Identification

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| Project Title: Sunshare Project |
| Project keywords Solidarity, , renewable power, solar power equipment, rechargeable piles, interactive generation |
| Project Summary (maximum 100 words) Eco School Club thought that it was possible to make people behave rationally in what concerns to the solar power. Our main goal is to encourage a considerable discussion about the correct use of this source of power, between different generations (children, young people and old people) Our propose is to build a special solar hat that could be worn by aged people in their Sunday walks. Besides solar protection this special hat has also rechargeable piles and small batteries that are going to be useful at some of the children toys such as . mp4,playsation, digital machines and watches or at other kind of equipmentsuch as : pacemakers, emergency bips, auditive equipment and cardiac equipment. |
| Introduction and outline of the challenge addressed by your schools or group of schools. (Please submit a description of the problems that your project addressed. How was the situation prior to the project?) (maximum 1 page) |

How to reduce our energetic impact and how to make people stop throwing energy away and be on alert to the problem?

4. Project Description

Project description

Please include also the following points:

- . Phases of the project;
- . Calendar/timing of the school project;
- . Financial information / budget needed.

(maximum 2 pages)

Did your project involve a wide range of stakeholders? Who/what organisations were involved in what?

Agrupamento Vertical de Escolas - Lousada Centro - Lousada's school

The Eco Club promoters execute the Project with all the available resources.

Santa Casa da Misericórdia de Lousada – Students visits are always welcome to Lousada' Rest house.

Calendar/timing of the school project

- Phase 1 - Tetra pack packages collected by a primary school from Lousada. October 2008
- Phase 2 –Building solar hats using tetra pack packages. October 2008
- Phase 3 – Building and trying the prototypes till getting rechargeable piles. From November 2008 to January 2009
- Phase 4 – . Project advertisement - Solar hat / solar waistcoat February to March 2009
- Phase 5 – Institutional interchange (Between Lousada's Rest Home and Lousada's School) May 2009

Resources made available by stakeholders

All the resources (Human / Material) were provided by Lousada's School and Lousada's Rest Home.

Expected environmental/social benefits

We have developed measures to protect the environment and to provide health care by changing young and old people lifestyle/ habits. The institutional interchange has created environmental policies that will benefit society as a whole.

Financial information / budget needed

- Phase 1 - Tetra pack packages collected by a primary school from Lousada. 100€
- Phase 2 – Building solar hats using tetra pack packages 30€
- Phase 3 – Building and trying the prototypes till getting rechargeable piles.
Price : 1 Kit:

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| Hat | |
| Solar power equipment | € 30,00 |
| Clothing | € 5,00 |
| Accessories | |
| Rechargeable piles (4) AA | € 14,00 |
| wire..... | € 1,00 |
| | Start up costs 50€ |
| Phase 4 – Project advertisement - Solar hat / solar waistcoat | 700€ |
| Phase 5 – Institutional interchange (Lousada’s Rest Home and Lousada’s School) | 0 € |

5. Project Implementation

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| <p>Project Implementation:</p> <p>Please include also the following points:</p> <p>Innovation: How was your project was innovative and unique in solving the problem or challenge mentioned?</p> <p>Implementation outcome- Which were the results obtained? What are the major differences between before and after implementation of your project?</p> <p>Teamwork Did your project involve a wide range of stakeholders? Who/what organisations were involved in what? Did your project create or improve teamwork? .</p> <p>Effectiveness – How effectively was your project implemented? Was your project implemented within the planned budget? If not, how did you compensate? Please attach a financial report (expense breakdown) Was your project implemented according to</p> | <p>Some of the Portuguese schools difficulties are well known in what concerns to the environment worries. Students are taught some values that remain locked in school “fence”. Environmental problems, mostly those related to Energy saving and other sources of power, were our points of reference to start the sunshare project.</p> <p>Although all the partners have realized at one time, that this experience was also a possibility to establish ties of friendship. From one side we have the school and the students working hard to send an environmental message and one the other side we have truthfully receptive, grateful and happy grown people taking part in this project.</p> <p>We must say that some of these students were quite different at school. Some of them have behaviour problems inside the classroom but they have shown that they can also be cordial and helpful.</p> <p>Some of technique and financial difficulties didn't allow us to find specific equipment such as cardiac and auditive equipments. They were too expensive! We had also some weather changes. It was most rainy and cloudy.</p> |
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| <p>the planned time schedule? If delayed, why?</p> <p>.Environmental and societal impact - Which were the benefits to the environment, or the local community?</p> <p>. How can this project be used by other Eco-Schools? Any advise to schools which would be interested in implementing a similar project?</p> <p>. How sustainable is the solution found? How will it be maintained in the future?</p> <p>. What were the main difficulties found during the implementation process?</p> <p>You may annex illustrations, maps, charts, etc..</p> <p>(maximum 4 pages)</p> | <p>.</p> <p>This Project have created an environmental movement that aims to improve the natural environment at short term. Environmental issues such as global warming and energy waste are now (we hope) sensitive areas to different generations and so the attempt to find a better lifestyle at long term.</p> <p>All the equipment is available to groups or organizations from all the country.</p> <p>This partnership keeps going next year and it will be part in both institutions. (Lousada's School and Lousada's Rest Home)</p> <p>The difficulties are mostly related to the acquisition of equipments and to all the excessive bureaucracy. Some of the activities were set back due to these difficulties.</p> |
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6. Dissemination Strategy

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| <p>Dissemination Strategy:</p> <p>Please include also the following points:</p> <p>. How was the project communicated to the wider community?</p> <p>. Which means of communication did you use?</p> <p>. What was the communication /disseminations plan?</p> <p>. Were there any training actions?</p> <p>(maximum 1 page)</p> | <p>Some of the activities were reported in local media and Internet:</p> <p>http://eco-escolas-portugal.blogspot.com</p> <p>http://ecoescolaseb23lousada.blogspot.com</p> |
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Signature/name of the project responsible:

Place:

Date: