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D5.3

Pilot actions monitoring and evaluation report

Work package: **WP5 – Finalisation in the Participant Schools**

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Executive Summary

This document (Deliverable D5.3 Pilot actions monitoring & evaluation report) of the EGS project summarises the outputs of WP 5 and specifically refers to the implementation and monitoring of the pilot actions.

Eight of the actions have been planned and already implemented during the project (green colour in the following table), three have been prepared and are currently under implementation (yellow) and two have been planned and are currently under preparation (blue). These actions are explained in more details in this document followed by the evaluation against the indicators defined for EGS pilot monitoring.

EGS pilot actions: Implementation overview

<i>N°</i>	<i>Proposed by</i>	<i>Pilot title</i>	<i>Implementation status</i>
1	TRON / IT	EGS BiciSchio	Project has been started. Conclusion expected in May 2011.
2	ISIS / IT	L'Aquila a new birth preserving the environment	In planning. Building start depends on external financial commitments.
3	CMTR / IT	Ideal Classroom in an Energetic Sense	In planning. Agreed start in the school year 2011/2012.
4	PMN / IT	Development and application of a system of energy management in school	Project has been started in Nov. 2010. Conclusion expected in May 2011.
5	IEBA / ES	Open Day for the Energy	Project has been implemented (May 2010).
6	ROC / NL	Lent mark 1	Implementation (building) started. Finalisation planned for Feb. 2011.
7	KONTIKI / SK	Model of passive house	Project has been implemented. (by December 2009)
8	AREHN / FR	A week on energy saving	Project has been implemented. (February 2010)
9	Eco-One / FI	Energy efficiency guide and increase commitment of staff and students	Project has been implemented. (by December 2010)
10	FPMG / BG	Travel Sensibly – Save Energy and Environment	Implemented during school year 2010/2011.
11	ZEIL21 / DE	Recycled paper exercise book sale	Project has been implemented. (by September 2010)
12	CEA / RO	Eco-Green school	Project has been implemented. (by November 2010)
13	VRST / AT	Clever driving competition	Project has been implemented (by August 2010)

Most pilot actions which are marked as already implemented will be repeated also in future (for example the "clever driving competition" / 13 will be repeated in 2011) or have sustainable impacts (for example the "travel sensibility" / 10 programme has been started as a permanent activity but is seen as finalised in terms of the EGS project).

In all already implemented pilot actions more than 2000 students were involved and considering also the actions which are currently implemented and are planned the total number is higher than 4000 what underlines the large impact of the project.

The proposed pilot projects have very different targets, content and are on very different levels ranging from supporting building a new school building (N°2) to organising an open day of energy (N°5) with many activities; but all actions have one general goal: to contribute to reducing energy consumption and using (energy) resources more efficiently and sustainable.

Introduction

The project Energy Education Governance Schools (EGS) aims at involving local communities in tackling energy issues and improving energy efficiency. The EGS project hypothesis is that the main actor that can contribute to involving the whole community and at the same time train the younger generation is the school. Consequently the main target group of the project are schools. Beyond the primary target group schools (teachers, students, and administrative staff) other related groups are addressed by the project and will benefit from the project results (parents/families, local entrepreneurs, local communities, stakeholders).

Overview about WP5

The main aim of work package 5 (WP5) is to provide tools and methods which

- support the forums established in WP4 to select the most suitable priorities.
- support the elaboration of feasibility studies concerning the selected prioritized approaches.
- support the selection of at least one pilot action per forum (13 in total) which shall be planned, started or/and implemented during the project.
- support the monitoring of the pilot actions.

This document (Deliverable D5.3 Pilot actions monitoring & evaluation report) summarises the outputs of WP 5 and specifically refers to the implementation and monitoring of the pilot actions which have been initiated in/by the participating partner organisations, have partly been implemented or at least planned. As indicated in the project application thirteen pilot projects are described here, whereby it has to be underlined that some partners implemented or planned more than one project which could also have the status of a “pilot project”.

So D5.3 pilot actions monitoring & evaluation report is the result of an idea-generation and selection process undertaken in the 13 forums and by the responsible partners and is supported by the methodology outlined in D5.1 and the feasibility studies reported in D5.2. Details about energy saving potential are outlined in Deliverable D5.2 whereby it has to be highlighted that especially for measures which mainly targeted the change of behaviour it was difficult to calculate energy saving in terms of reduction of emissions, money etc. Especially for information, sensitisation and awareness raising actions we have to take many assumptions when calculating indicators (for example assumptions how many people will change their behaviour, to what extent they change the behaviour etc.), what has not been done in many cases because of these uncertainties.

Following the self-evaluation of each pilot action is presented. Eight of the actions have been planned and already implemented during the project (some of these eight will be repeated or prolonged), three have been prepared and are currently under implementation and two have been planned and are currently under preparation but have not actively started.

Pilot Action 1 – EGS BiciSchio

Pilot action from Italy presented by TRON (EGS Partner Nr. 1).

Short description of the pilot action

The goals of the BiciSchio project are to promote and/or to boost the use of bicycle in the city in particular by the side of students and to create a permanent working group with delegates from schools, municipality, local organisations etc. to promote the use of bicycle instead of car and scooter.

Therefore the following steps are planned:

- To analyse the home-school mobility of the students of Campus Schio schools.
- To make a "bicycle school Park" for mobility of students (to go at the swimming pool, school trip etc).
- To create a great event for the population of Schio in the spring: "Bicycle Festival" with students and people.
- To plan other significant events to prelude "Bicycle Festival": In "M'illumino di meno" (<http://caterpillar.blog.rai.it/milluminodimeno/>) a city monument will be light with energy product by "bicycle teams", A carnival float at the carnival parade, a themed evening with Simone, a partially sighted cyclist which will tell to all comers his "incredibile bicycle trip".
- All these actions will be promoted by leaflets and web site.

Involved stakeholders: Municipality of Schio (www.comune.schio.vi.it), four high schools, Legambiente association (www.legambienteveneto.it), Tuttinbici association, (www.tuttinbici.it), Chunk association (www.comune.schio.vi.it/a_189_IT_36145_1.html), "Verso dove non so" project (www.versodovenonso.com/), Ciclofficina (www.lastazionedellebici.org).

Implementation / Planning status

The main goals have been reached?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Explanation: The conclusion of this project is May 2011. For now the permanent group is formed, the analysis of home school mobility was done and the sponsors are in game.		
Activities have been implemented on time	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: The activities follow the program scheduled.		
Pilot implementation finalised in the frame concerning efforts (cost, time)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: The budget prevision is of 20.000€ ; most of this is covered by sponsors.		

Feedback received so far

The working group is very active. The idea and the program was born within a forum and participants organised themselves splitting up the tasks. Liceo Tron keeps the coordination of web site for

communications and propaganda and analysed statistically home-school mobility. The Municipality of Schio will coordinate the events. All association involved will organise a significant part of the events.

Indicators Check

Reproducibility			
• Plans to start the action again	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Pilot has been mainstreamed to become "regular programme"	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: Especially if the "Bicycle Festival" event will be successful.			
Transferability			
• Plans for transfer made	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Transfer already in preparation or implemented	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: Permanent work group will make a transferability plan after the "Bicycle Festival" event.			
Efficiency			If "Y" Quantification [kwh, €, ...]
• Energy saved	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Renewable energy used	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Resources used more efficient	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: Foreseen a rise of 100% of cyclists and 15% of mobility by bicycle in 5 years.			
Impact on target groups			If "Y" Quantification [Number of particip. ...]
• Persons (students, teachers, staff, etc.) involved directly	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	2000
• Persons on which the pilot has direct effects	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	3000
Short explanation: Invited to "Bicycle Festival" all Campus Schio's students (4000) and people of Municipality (60000).			
Publicity			If "Y" Quantification [Numbers]
• Persons reached and informed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	11000
• Press/media coverage	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	45000
Short explanation: Communication is a central aspect of the project.			

Pilot Action 2 – L’Aquila a new birth preserving the environment

Pilot action from Italy presented by ISIS (EGS Partner Nr. 5)

Short description of the pilot action

To introduce eco-sustainability in building preserving the environment. A really ambitious project “a jumping off place” to change our ideas about housing and nature but aiming at a greater objective: the rediscovery of the union between environment. L’Aquila region has been hit by an earthquake (2009) and everybody is try to help the reconstruction. The school together with other partners has decided to use this opportunity to rebuild a school in L’AQUILA territory. A Multifunctional Center will be built in Assergi (L’Aquila municipality) nearby Gran Sasso Mountain. The center will host a primary school, a community hall and the laboratories of the Gran Sasso Institute of Physics.

The building will have all the possible systems for saving energy and will use renewable sources. The students and the teachers of ISIS have completed the drawings for the building, the photovoltaic plants and the heating system. The structure will have typological and technological characteristics in accord with bioconstruction directives as a matter of fact the materials utilized will be the most natural and recyclable. The led lightning plant, as the whole heating system, will be regulated by a domotic type control to reduce the consumption to the minimum. The reclaimed rainwater will assure the chance of using it for sanitary system and for green maintenance. The western wing hosts a little nursery school with kitchen and canteen, in the central part there is a lecture room with a monumental entrance symbolizing an eagle head. In the eastern wing a series of rooms will be made in order to take in an elementary school where didactic laboratories will be organized for new experiences and future generations’ education. In addition the main structure will be built up with strongly earthquake-proof walls highly environmental in methods of construction.

The involved stakeholders are: Gallarate Municipality, L’Aquila Town Council, Varese Province, Lombardia Region, C.A.I., Legambiente, A.I.F., ASSO SOLARE, ANTER, E.A.S., BRP, ISIS Gallarate, Lombardia Civil Protection, Gran Sasso Laboratories, Abruzzo Region.

Implementation / Planning status

The main goals have been reached?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation The students, with the teachers help, have made the project plan in all its parts.		
Activities have been implemented on time	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: The activities follow the program scheduled.		
Pilot implementation finalised in the frame concerning efforts (cost, time)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation The physical conclusion of this project is unpredictable because the Onlus created for the project has not yet raised the total amount of money.		

Feedback received so far

The working group is very active. The idea and the program was born within a forum. L'Aquila Onlus (create for the occasion), EAS and ISIS Gallarate keep the coordination of the project follow up but all the involved association will organise a significant part of the events.

Indicators Check

Reproducibility			
• Plans to start the action again	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation If the building will be successful will shall make it a study opportunity for the students			
• Pilot has been mainstreamed to become "regular programme"	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Transferability			
• Plans for transfer made	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Transfer already in preparation or implemented	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation Depends on the implementation.			
Efficiency			If "Y" Quantification [kwh, €, ...]
• Energy saved	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Renewable energy used	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Resources used more efficient	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Impact on target groups			If "Y" Quantification [Number of particip. ...]
• Persons (students, teachers, staff, etc.) involved directly	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	100
• Persons on which the pilot has direct effects	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	1000
Short explanation: The building location is at Assergi (L'Aquila municipality) a small town of 1000 inhabitants but the impact will be much greater because of the Laboratories of Gran Sasso Institute			
Publicity			If "Y" Quantification [Numbers]
• Persons reached and informed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	2000
• Press/media coverage	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	45000
Short explanation: The press coverage has been good. The 1000 persons informed is the sum of the event for the project presentation			

Pilot Action 3 – Ideal Classroom in an Energetic Sense

Pilot action from Italy presented by CMTR (EGS Partner Nr. 6)

Short description of the pilot action

The ideal classroom is a complex of spaces made available to the public school where students can find the ideal conditions to carry out educational activities and to achieve maximum results obtained. The ideal classroom, one element at a school, must be equipped with an array of technological solutions to optimize operating costs and durables. Among the aims of the project dealing with all aspects of energy consumption and electrical and thermal, but also the migration of teaching materials (books, class registers, registers of teachers, etc.) from paper to electronic, to increase environmental sustainability through the introduction of smart boards, data transmission systems fast and safe systems of control of students by teachers for internet access etc.

Implementation / Planning status

The main goals have been reached?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Explanation: Agreement between the Province of Perugia, the Regional education office, IPSIA "Cavour - Marconi" School and Mountain Community, for the practical implementation of the classroom inside the EGS Pilot School within school year 2011/2012.		
Activities have been implemented on time	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: Estimates, field visits, meetings and research of co-financiers between governments and energy companies.		
Pilot implementation finalised in the frame concerning efforts (cost, time)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: Total cost of approximately € 9,000 (first cheaper version of the classroom; in fact with the time the classroom can be further equipped with more tools and materials). About time: is expected that the implementation of the cheaper version of the classroom can be achieved within the school year 2011/2012.		

Feedback received so far

At the moment there is a real high expectation on the part of students by teachers and also by government.

Indicators Check

Reproducibility			
• Plans to start the action again	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Pilot has been mainstreamed to become “regular programme”.	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: It is of interest to make as many ideal classrooms as possible within School.			
Transferability			
• Plans for transfer made	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Transfer already in preparation or implemented	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: It is of interest to make as many ideal classrooms as possible within School.			
Efficiency			If “Y” Quantification [kwh, €, ...]
• Energy saved	Yes <input type="checkbox"/>	No <input type="checkbox"/>	n.a.
• Renewable energy used	Yes <input type="checkbox"/>	No <input type="checkbox"/>	n.a.
• Resources used more efficient	Yes <input type="checkbox"/>	No <input type="checkbox"/>	n.a.
Short explanation: It is currently not possible make the estimates, because the classroom is not yet realized.			
Impact on target groups			If “Y” Quantification [Number of particip. ...]
• Persons (students, teachers, staff, etc.) involved directly	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	50
• Persons on which the pilot has direct effects	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	400
Short explanation: We hope to do, through the Province, ideal classrooms in + schools, so you can get + results!			
Publicity			If “Y” Quantification [Numbers]
• Persons reached and informed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	500 (students and EGS Forum Participants)
• Press/media coverage	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: It seems appropriate to advertise on local TV and local print the classroom once completed.			

Pilot Action 4 – Development and application of a system of energy management in school

Pilot action from Italy presented by PMN (EGS Partner Nr. 7)

Short description of the pilot action

- Goals:

Development and application of an innovative and portable power management of the school based on an awareness of those who live in school, on the methods applied to public buildings and especially on the corporate practice.

- Description:

Students tutor in charge of spreading a greater awareness on energy issues in the school through activities of different types (e.g. incursions into classes and assign tasks to be undertaken with appropriate instrumentation - in particular measurements of temperature and luminosity into classes). Monitoring behaviour and monitoring of consumption data by installing a suitable plant system.

- Stakeholders involved and their roles:

Headmaster, teachers and local energy agencies (Labter Crea and Agire) for the organization.

Company for the supply and installation of the monitoring system.

Teachers and students as managers of the energy system of the school.

Implementation / Planning status

The main goals have been reached?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Explanation: The period for the project will run from November 2010 to May 2011.		
Activities have been implemented on time	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Short explanation: The period for the project will run from November 2010 to May 2011.		
Pilot implementation finalised in the frame concerning efforts (cost, time)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: Investments and management costs: The estimated cost for the project amounts to about 15.000 euro which will cover the implementation of the monitoring data of energy consumption. The coverage of project costs will be achieved through a contribution that will provide the Province of Mantua to the school.		

Feedback received so far

The teachers have made few comments: they are waiting to see the benefits of implementing energy management systems. We hope the monitoring system of energy consumption can raise awareness of energy issues and can lead us to choose the best practices to reduce more and more energy consumption. The students are leading these phases with strong enthusiasm. They wrote on the school

website to describe the action known as "Incursion 0": "the spark of EGS project has been lit once more: the students of the third classes are spreading the idea of saving energy among their school fellows".

Indicators Check

Reproducibility			
• Plans to start the action again	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Pilot has been mainstreamed to become "regular programme"	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: Pilot-transferable and replicable, but not yet scheduled the possible future action.			
Transferability			
• Plans for transfer made	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Transfer already in preparation or implemented	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: The pilot is transferable, but has yet to be completed the first implementation.			
Efficiency			If "Y" Quantification [kwh, €, ...]
• Energy saved	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Renewable energy used	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Resources used more efficient	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: Implementation of a monitoring system and good energy practices.			
Impact on target groups			If "Y" Quantification [Number of particip. ...]
• Persons (students, teachers, staff, etc.) involved directly	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	50
• Persons on which the pilot has direct effects	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation:			
Publicity			If "Y" Quantification [Numbers]
• Persons reached and informed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Press/media coverage	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: Press conference, newsletters, articles in local newspapers, websites.			

Pilot Action 5 – Open Day for the Energy

Pilot action from Portugal presented by IEBA (EGS Partner Nr. 8)

Short description of the pilot action

We organize visits, during 3 days for the students. To show them, how it works "born" energy process, to sensibilize all of them to the energy efficiency.

The places that we choose was: Mortágua Hidropower (Barragem da Aguieira), Biomass (Central Termoeléctrica de Mortágua) and Geothermal Project (Projecto de Geotermia) .

The target groups consists of teachers and students from high school and students of vocational schools (from Renewable energy courses and Ambient courses) in Mortágua.

With this day we didn't forget the power in a community that the students/ young people have to diffused the message. For that reason it was a very good mean of communication to diffuse " how important it's the efficiency energy in our present and future, and the consequences that we would have if we ignored it".

To increase their responsibility as future decision makers, during the Day was developed a campaign of exchanging lamps to reduce energy cost at students places.

Implementation / Planning status

The main goals have been reached?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Explanation: The main goals was reached because of the high number of participators (arround 100) .		
Activities have been implemented on time	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: Work Package 5 has 22 months of duration and the pilot project was finalise on month N° 14 since the beginning of this task.		
Pilot implementation finalised in the frame concerning efforts (cost, time)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: All activities were carried out using only human resources (one person followed the visits during 3 days) and transport expenses.		

Feedback received so far

All participants were very enthusiastic with the visits and technical explanations. Most of them had their first contact with energy production processes, that were very positive.

Indicators Check

Reproducibility			
• Plans to start the action again	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Pilot has been mainstreamed to become “regular programme”	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: Could be easy to do a regular programme, once per year with the entrance of news students at schools			
Transferability			
• Plans for transfer made	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Transfer already in preparation or implemented	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: There is an Action Plan already made for implement some simple practises in the schools evolved.			
Efficiency			If “Y” Quantification [kwh, €, ...]
• Energy saved	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Renewable energy used	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Resources used more efficient	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: With the exchange lamps campaign we expect that students became more efficient at places and school			
Impact on target groups			If “Y” Quantification [Number of particip. ...]
• Persons (students, teachers, staff, etc.) involved directly	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	106
• Persons on which the pilot has direct effects	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	106
Short explanation: The students are studying energy and environment, they'll apply what they learn during classes.			
Publicity			If “Y” Quantification [Numbers]
• Persons reached and informed	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Press/media coverage	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: It was created a mailing that were sent directly to the schools presidents.			

Pilot Action 6 – Lent mark 1

Pilot action from Nederland presented by ROC (EGS Partner Nr. 9)

Short description of the pilot action

The pilot project Lent mark 1 aims to construct a 18 meter high watch tower with used materials. The tower will be build by at least 10 unemployed youngsters who are enabled to develop their occupational competences in the construction area, specific in working with and techniques for used materials.

The pilot project is connected to the elaboration of the city of Nijmegen with some 15.000 new houses to be built between 2010 and 2025.

Implementation / Planning status

The main goals have been reached?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Explanation: We did manage: <ul style="list-style-type: none"> - to engage the city council (they financed the project for a large part: some € 100.000,- and are willing to continue and develop the approach in other projects) - to engage the Cultuurfonds (a cooperations of regional constructors), who also participated financially) - to engage regional partner who support the project with materials, guidance and finances - to enage regional partners to develop the new approach and they are now preparing for implementation of the approach in their own organisations - to identify three unemployed youngsters who designed and developed the plans from the idea to realization - to identify a group of 8 unemployed youngsters to work on the building of the tower - to identify a group of ROC students who created and will maintain a website concerning the building of the tower and make a documentary about the pilot project. 		
Activities have been implemented on time	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Short explanation: The idea was to start building in september 2010. But at that time not all licenses were given by the city council. During the months of September and October we could approach the youngsters. And the first activity was undertaken by the alderman of the city council on December 3 rd 2010. Then it started to snow and freeze, for which reason it was not possible to work in the field. Working on the project has been restarted during the second week of January 2011 and we hope it will be finished by the end of February 2011 (when no delays will take place)		
Pilot implementation finalised in the frame concerning efforts (cost, time)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: The original plan has been adapted to the real situation (the amount of budget we could gather). With that amount of budget we could adapt the building of the tower in terms of materials and costs (some people spend less time and we could find cheaper materials)		

Feedback received so far

The three high qualified unemployed youngsters are very enthusiastic about the project. This has been described in an evaluation session which has been organised. The evaluation report will be attached.

Haskoning, the engineering company who guided the youngsters, was enthusiastic as well and found out that youngsters who have more responsibility in project learn far more and quicker than young employees who have to grow into their organisation. Haskoning will design a new training concept for their own new appointed employees.

The constructors and the schools (Higher Vocational education and VET) are enthusiastic as well and will try to organise a new working line according to the pilot project; the project office. This project office will focus on the other activities which are available in the elaboration of the city of Nijmegen

Indicators Check

Reproducibility			
• Plans to start the action again	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Pilot has been mainstreamed to become “regular programme”	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: The pilot project is still running, but the opportunities are clear and will be used by the partners			
Transferability			
• Plans for transfer made	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Transfer already in preparation or implemented	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: The concept will be used in further cooperation between project partners. A new group of stakeholders is now (February 2011) orientating on a new similar kind of project			
Efficiency			If “Y” Quantification [kwh, €, ...]
• Energy saved	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Renewable energy used	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	used materials
• Resources used more efficient	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: The entire tower will be build with used materials.			
Impact on target groups			If “Y” Quantification [Number of particip. ...]
• Persons (students, teachers, staff, etc.) involved directly	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	staff: 7, students: 5, unemployed: 10
• Persons on which the pilot has direct effects	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: Partner organisations as well as students and as unemployed participants.			
Publicity			If “Y” Quantification [Numbers]
• Persons reached and informed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	20 students
• Press/media coverage	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	series of publications
Short explanation: We could select the students from a group of 20 unemployed. Five students participated in creating the website “Lentmark 1” and the documentary. There has been a lot of media coverage. Some of the publications involved have been published at the EGS project website.			

Pilot Action 7 – Model of passive house

Pilot action from Slovakia presented by KONTIKI (EGS Partner Nr. 10)

Short description of the pilot action

Organisation Inštitút pre energeticky pasívne domy - IEPD (Institute for Energy Passive Houses) regularly organised excursions and seminars aimed at promotion of Energy Passive Houses. Representative of this organisation was invited as a Stakeholder to EGS forum, which was organised at Secondary Vocational School. An idea of students' work was born as a conclusion from discussion with pupils – model of energy passive house meant for promotion of an idea of energy/CO2 savings. Model was used for promotion within teaching, during the exhibition and at 4 seminars for teachers and students of secondary and primary grammar schools (40 schools), as well as during the conference EGS in Germany. This activity inspired the origin of a model of water power plant at another school. Model is used within environmentally-educational program for schools. It serves during discussions for reduction of prejudices against passive houses. It addresses also parents through children and youth. Primary grammar school at Turnianska street in Bratislava agreed after realisation of analyses and energy audit to join a project to become exemplary passive school.

Implementation / Planning status

The main goals have been reached?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Explanation: Construction of a model and promotion of energy saving buildings.		
Activities have been implemented on time	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: Preparation started in September 2009. Model was finished in December 2009. Presentation at four seminars for schools in year 2010.		
Pilot implementation finalised in the frame concerning efforts (cost, time)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: Work-time: Klub Kon-Tiki coordination work time shall be covered within the EGS project. Work time of teachers and school administrative staff shall be covered by school. Work time of expert consultant covered by IEPD. Material for model construction – covered by Klub Kon-Tiki.		

Feedback received so far

After the energy audit at school in Bratislava–Petržalka was created in cooperation with local government and IEPD a project about reconstruction of a school to energy passive one. Pupils found out during environmentally-educational program (during project circa 1500 pupils from schools in Bratislava, Velka Maca and Sered participated in programs) about energy and during energy audit at home many examples of unnecessary wasting.

Indicators Check

Reproducibility			
• Plans to start the action again	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Pilot has been mainstreamed to become “regular programme”	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: Result of the project is not only construction of the model of a passive house, but also promotion.			
Transferability			
• Plans for transfer made	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Transfer already in preparation or implemented	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation:			
Efficiency			If “Y” Quantification [kwh, €, ...]
• Energy saved	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Renewable energy used	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Resources used more efficient	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation:			
Impact on target groups			If “Y” Quantification [Number of particip. ...]
• Persons (students, teachers, staff, etc.) involved directly	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	12
• Persons on which the pilot has direct effects	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	1500
Short explanation:			
Publicity			If “Y” Quantification [Numbers]
• Persons reached and informed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	1500
• Press/media coverage	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: Publication: The whole event will be promoted by the school in local and regional media in advan			

Pilot Action 8 – A week on energy saving

Pilot action from France presented by AREHN (EGS Partner Nr. 13)

Short description of the pilot action

Objectives

- Make students and school staff aware of energy saving and renewable energy.
- Value the best practices of the school.
- Start actions, which will carry on over the year.

Target Groups: School administration, teaching and technical staff, students, families.

Main Activities

- To play a serious videogame about global warming called “ClimCity”.
- A photography workshop in order to start the campaign about increasing student’s awareness: “My message, our energy”.
- Distribution of energy saving light bulbs
- Debates and exhibitions about global warming, greenhouse gases and energy
- Presentation of the technical program at school
- Implementation of two solar lamps at school

Implementation / Planning status

The main goals have been reached?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Explanation: Results / Outputs / Benefits <ul style="list-style-type: none"> • Two solar street lamps were implemented • 200 energy saving light bulb were distributed • The photography workshop was a success: 60 students and teachers involved • Presentation of a solar panel and a small wind turbine • 7 conferences involving 220 students and teachers. 		
Activities have been implemented on time	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: Respect of the schedule proposed in February 2010.		
Pilot implementation finalised in the frame concerning efforts (cost, time)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: We spent own AREHN funds by decision of our direction.		

Feedback received so far

School staff and administration were satisfied with school emulation and promotion. The solar lamps were installed during the week. Valorisation of the best practices and involvement in a project with the students and the teachers.

Teachers benefits : common project with the students different than courses.

Students: 2 energy saving light bulbs per student involved in a project during the week ; common project with the teachers (photography workshop) Families : need information to support their children and give money to buy recycled paper which is a bit more expensive.

Indicators Check

Reproducibility			
• Plans to start the action again	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Pilot has been mainstreamed to become “regular programme”	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: The action should be reproduce in an other school in 2011. But Secondary School Les Fontenelles will organise an action about an other thematic concerning sustainable development next year. <input type="checkbox"/>			
Transferability			
• Plans for transfer made	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Transfer already in preparation or implemented	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: The methodology to organise an other Week for energy saving is ready. We will present this work in April during a seminar involving the whole regional education authorities. So, in December, no other schools are concerning.			
Efficiency			If “Y” Quantification [kwh, €, ...]
• Energy saved	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Renewable energy used	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Resources used more efficient	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: See more details in D 5.2			
Impact on target groups			If “Y” Quantification [Number of particip. ...]
• Persons (students, teachers, staff, etc.) involved directly	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Persons on which the pilot has direct effects	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: A lot of stakeholders at school were concerning by project, even if they were not directly concern by action.			
Publicity			If “Y” Quantification [Numbers]
• Persons reached and informed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Press/media coverage	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: Good school information for teachers, staff and students. But communication with local press failed because of a lack of interest for the subject. As the poster from the photographic workshop are presented, there is a lot of schools interested by a week of energy saving. This action could be generalised in all the regional schools. We will present the action in April to local educational authorities.			

Pilot Action 9 – Energy efficiency guide and increase commitment of staff and students

Pilot action from Finland presented by Eco-One (EGS Partner Nr. 14)

Short description of the pilot action

Main objectives are to get all understand how to act more energy efficiency way in school, activate all to co-operate together inside and outside of school and to use quite part of education material.

Target groups are teachers, students, maintenance people and other stakeholders.

Project will increase co-operation whit school staff, maintenance people and other stakeholders. Teachers, students, other staff and stakeholders know how to influence energy efficiency of school. Energy Guide is integrated to students education to lessons and practical periods.

Implementation / Planning status

The main goals have been reached?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Explanation: Energy efficiency guide is ready and it is integrate part of Keuda Service Unit energymanagement system (introduction of teachers, students and other staff) and students education (lessons and practical).		
Activities have been implemented on time	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: All actions are done like planned		
Pilot implementation finalised in the frame concerning efforts (cost, time)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: All actions are done like planned and budgeted		

Feedback received so far

It have increased co-operation inside school to find solutions to act energy efficiency.

It is good education material and help teachers.

Attitude is better.

Energy efficiency is more every-day life now and part of all actions.

Indicators Check

Reproducibility			
• Plans to start the action again	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Pilot has been mainstreamed to become “regular programme”	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: Energy guide is integrate to part of energymanagement system and education.			
Transferability			
• Plans for transfer made	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Transfer already in preparation or implemented	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: To transfer to other vocational units (6 other units 6000 students) inside Keuda Vocational college is preparation.			
Efficiency			If “Y” Quantification [kwh, €, ...]
• Energy saved	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	12 000 yearly
• Renewable energy used	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Resources used more efficient	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: Some discussions done from use of Renewable energy.			
Impact on target groups			If “Y” Quantification [Number of particip. ...]
• Persons (students, teachers, staff, etc.) involved directly	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	400
• Persons on which the pilot has direct effects	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	400
Short explanation: Direct tarketrs groups are all staff and students			
Publicity			If “Y” Quantification [Numbers]
• Persons reached and informed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	500
• Press/media coverage	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: Inform press and media is under work still.			

Second pilot action; Energy efficiency aspects in education and on the job learning is planned and partly implemented. Planned to implement end of 2011.

Pilot Action 10 – Travel Sensibly – Save Energy and Environment

Pilot action from Bulgaria presented by FPMG (EGS Partner Nr. 15)

Short description of the pilot action

Sofia is a big city with heavy traffic. On the other hand students and staff live in different areas, very often far away from the school building. Only a small part of the students and employees travel by public transport because of the fact, that there is only one public bus line passing by the school building and the necessity to change means of transport in order to come to school/work. Thus the usual way of travelling is by car.

Before the implementation of the pilot action every parent did the school run for their own child.

In order to reduce the carbon footprint and fuel consumption it was taken a decision to organize the travelling to school and back home by:

- buying school buses;
- initiating organized school run: one parent - several children;
- encouraging students who live nearby to come to school on foot or by bike;
- using the public transport.

Implementation / Planning status

The main goals have been reached?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Explanation: After a meeting in which the school board, school authorities, staff and parents took part, it was decided to start organized travelling to school in order to reduce the fuel's consumption and cut the emissions of CO2. Three school buses were bought and now travel in three different directions, gathering the students from those parts of the city. Also school run was organized for those students that live in areas not covered by school buses. Parents decided to take carpooling, and now three or four kids living nearby are driven to school by one parent. Some other students decided to travel by public transport and only a few of the older students now come to school by bikes. Using bikes is quite difficult not only because of the distances but also because there are not many bike lanes in the city and riding a bicycle in the streets could be dangerous.		
Activities have been implemented on time	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: After taking the decision to start the action, we managed to organize its implementation in time. During the summer holidays the vans were bought and at the beginning of the 2010/2011 school year a meeting with the presence of staff, school authorities, parents and some students was organized. The transportation to the school was organized - parts of the parents and staff chose to travel by school vans. Another part of parents were organized to cooperate and take turns into driving the students to school. And the students and staff, who are able to use the public bus line passing by the school building, were advised to use it.		
Pilot implementation finalised in the frame concerning efforts (cost, time)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: The project was implemented on time because of the effective organisation . The financial investments were done by the school authorities.		

Feedback received so far

At present 30 students travel regularly by school vans as well as 4 of the teachers. 50 families organised school run: 1 parent drives to school several students. Older students come to school (when the weather allows) by bike. About 10 students and teachers (living not too far) decided to come on foot. About 35 students and school staff use regularly public transport. The total number of students and staff at school is 200.

Indicators Check

Reproducibility			
• Plans to start the action again	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Pilot has been mainstreamed to become “regular programme”	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: Elements of pilot scheme have been integrated into school policy.			
Transferability			
• Plans for transfer made	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Transfer already in preparation or implemented	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: Lack of interest from potential partners.			
Efficiency			If “Y” Quantification [kwh, €, ...]
• Energy saved	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Renewable energy used	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Resources used more efficient	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	€ 3,600
Short explanation: Reduced carbon footprint and from private transport.			
Impact on target groups			If “Y” Quantification [Number of particip. ...]
• Persons (students, teachers, staff, etc.) involved directly	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	130
• Persons on which the pilot has direct effects	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	240
Short explanation: Ecological awareness, energy saving and carbon footprint now accepted by all students, staff and par			
Publicity			If “Y” Quantification [Numbers]
• Persons reached and informed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	355
• Press/media coverage	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: In our school newspaper. On 23.02. 2011- on National TV			

Pilot Action 11 – Recycled paper exercise book sale

Pilot action from Germany presented by ZIEL21 (EGS Partner Nr. 18)

Short description of the pilot action

Recycling paper AG sells exercise books out of recycled paper at Viscardi Gymnasium at the beginning of the school year during morning break, lunch break and before school starts.

To make the sale more attractive the pupils collected coupons (reduced entrance fee for cinema, swimming pool etc.) and put it in some books of the sale, so that the customers can win them by buying the exercise books out of recycled paper.

Goals of the project:

- a) to inform the pupils about the easy way of energy saving and environmental protection by using recycled paper
- b) to rise the amount of exercise books out of recycled paper used by pupils an teachers of Viscardi Gymnasium by offering an easy way of buying at the beginning of the school year
- c) to rise the amount of pupils an teachers buying exercise books out of recycled paper by the possibility to win coupons.

Target groups: whole school family

Implementation / Planning status

The main goals have been reached?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Explanation: More than 2000 exercise books were sold, but the students expected more teachers and students to buy exercise books. All pupils, teachers and visitors of Viscardi Gymnasium were informed by posters about the possibility to save energy and protect the forest by using recycled paper.		
Activities have been implemented on time	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: The action was planned in June and July and carried out in September 2010. Next year students will repeat the action.		
Pilot implementation finalised in the frame concerning efforts (cost, time)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: Pre-financing of the exercise books is necessary but could be managed.		

Feedback received so far

The recycling paper AG team was happy that the organisation was perfect. But in their opinion the book sales were too low and did not reach expected results. More pupils and teachers should be gained next year.

Indicators Check

Reproducibility			
• Plans to start the action again	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Pilot has been mainstreamed to become “regular programme”	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: Next year students will repeat the action.			
Transferability			
• Plans for transfer made	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Transfer already in preparation or implemented	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: Transfer by giving advices to another school (Gymnasium Gröbenzell)			
Efficiency			If “Y” Quantification [kwh, €, ...]
• Energy saved	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Renewable energy used	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Resources used more efficient	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: Savings see feasibility study Calculator for savings by using recycled paper : http://www.initiative-papier.de/index.php?page_id=29			
Impact on target groups			If “Y” Quantification [Number of particip. ...]
• Persons (students, teachers, staff, etc.) involved directly	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	1300
• Persons on which the pilot has direct effects	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	400
Short explanation: 400 pupils and teachers bought exercise books			
Publicity			If “Y” Quantification [Numbers]
• Persons reached and informed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	More than 1300
• Press/media coverage	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	3 articles
Short explanation: More than 1300 persons reached and informed 2000 sold exercise books			

Pilot Action 12 – Eco-Green school

Pilot action from Romania presented by CEA (EGS Partner Nr. 20)

Short description of the pilot action

Objectives:

- Reduce electric energy consumption in school;
- Make students and school staff aware of energy saving techniques;

Target groups:

- School administration, teachers, students, families

Main activities:

- Replace common bulbs with energy saving ones;
- Energy posters contest between students grades 9-11;
- Brainstorming activity concerning energy saving in our school;

Implementation / Planning status

The main goals have been reached?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Explanation: -energy saving light bulbs have been installed;		
Activities have been implemented on time	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: The activities have been carried out in November 2010.		
Pilot implementation finalised in the frame concerning efforts (cost, time)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: All the acquisition costs have been covered from school's funds.		

Feedback received so far

School staff and administration were satisfied with this proposed action. The energy saving bulbs have been installed.

Benefits for

- teachers, students, other staff: better room lightning system;
- families: their children have become aware of energy saving policies;

Indicators Check

Reproducibility			
• Plans to start the action again	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Pilot has been mainstreamed to become “regular programme”	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: We are going to re-install energy saving light bulbs once their life cycle is over.			
Transferability			
• Plans for transfer made	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Transfer already in preparation or implemented	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: We have some partner schools that are going to implement this project as well.			
Efficiency			If “Y” Quantification [kwh, €, ...]
• Energy saved	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Renewable energy used	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Resources used more efficient	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: In a school year, we save 1056 kw(105,6 kw x 10 months).			
Impact on target groups			If “Y” Quantification [Number of particip. ...]
• Persons (students, teachers, staff, etc.) involved directly	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	5
• Persons on which the pilot has direct effects	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	950
Short explanation: There is a great impact on all our staff and students.			
Publicity			If “Y” Quantification [Numbers]
• Persons reached and informed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Press/media coverage	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: We have made a lot of publicity in our school and partner schools as well.			

Pilot Action 13 – Clever driving competition

Pilot action from Austria presented by VRST (EGS Partner Nr. 22)

Short description of the pilot action

Clever Driving is a project where students learn about fuel consumption and the reduction of fuel input when driving heavy machines like tractors what is part of their prospective job. During theoretical inputs in their lessons, students are prepared. But ways of clever driving are demonstrated and tried out by students also in practice. The highlight of the project are competitions in which students/teams compete in “low consumption driving”. The school community profits on more levels:

- Reduction of fuel consumption/costs: Since also practical agricultural work is part of the curriculum, teachers and students who are aware of fuel saving potentials use less diesel.
- Awareness & Innovation: The participating schools raise awareness and have the opportunity to present themselves at the public competition.

Collaboration with local economy: Since the clever driving competition is a public event where not only the participating students compete but which is also visited by many parents and interested people, also the local economy has the possibility to contribute and present products. For the competition a close collaboration with tractor sellers and others in the field of agriculture is envisaged.

Implementation / Planning status

The main goals have been reached?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Explanation: The first Styrian competition was organised in March 2010. Teams from 8 schools (24 students and their teachers participated. Very good public awareness was reached by media and stakeholder participation (laudatio by Mr. Johann Seitinger, provincial governor for agriculture and forestry in Styria). The first Austrian competition was organised in August 2010. 25 students and their teachers participated. Even more media echo (laudatio by Mr. Niki Berlakovich, federal minister for environment)		
Activities have been implemented on time	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: The origin plan was to organise the competitions on regional level in spring and the competition on state-level in autumn 2010 what has been realised.		
Pilot implementation finalised in the frame concerning efforts (cost, time)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short explanation: Some funding in terms of preparation time and contribution to organisation costs have been covered by EGS budget. But the larger part of funding came by sponsors and also by voluntary work of persons.		

Feedback received so far

The feedback of students and teachers was very positive and they expressed willingness to organise the competition again because it is a great possibility to learn and practice and have fun at the same time. Also sponsors and stakeholders expressed much interest to participate in follow up events.

Indicators Check

Reproducibility			
• Plans to start the action again	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Pilot has been mainstreamed to become “regular programme”	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: At the first place we planned to organise a competition every two years. But because of the big success and interest regional competitions will be organised again in the first half year 2011 and a national competition in autumn 2011.			
Transferability			
• Plans for transfer made	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Transfer already in preparation or implemented	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Short explanation: The actions largely depend on the availability of this school type (schools for agriculture and forestry). In EGS from no other country such schools participated. But there might be the possibility to address such schools also in other countries in future and to transfer the competition.			
Efficiency			If “Y” Quantification [kwh, €, ...]
• Energy saved	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
• Renewable energy used	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
• Resources used more efficient	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: For details see D5.2 / feasibility study.			
Impact on target groups			If “Y” Quantification [Number of particip. ...]
• Persons (students, teachers, staff, etc.) involved directly	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	> 200
• Persons on which the pilot has direct effects	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	> 500
Short explanation: In the regional competitions and the national competition more than 200 students, teachers and parents were involved. Students partly directly took part as competitors and/or participated in the preparation for the competition in the schools, supported the preparation etc. The total number of students who were involved in the individual preparation in the schools (who participated in lectures etc.) is estimated to be more than 900.			
Publicity			If “Y” Quantification [Numbers]
• Persons reached and informed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	>100.000
• Press/media coverage	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Short explanation: This is difficult to quantify because the events gained big public awareness. One reason was that a media partner was involved a supporter from the beginning (the paper “Der fortschrittliche Landwirt”); another reason was that stakeholders up to the highest political levels supported the event: At the regional event in Styria the laudatio was held by Mr. Johann Seitingner, provincial governor for agriculture and forestry in Styria and at the national competition the laudatio was held by Mr. Niki Berlakovich, federal minister for environment! (This safeguarded sufficiently awareness and coverage.)			