

Pro-EE Toolbox

for local energy efficiency plans:

Sensitising - involving - activating citizens and stakeholders for energy efficiency



Public Procurement boosts Energy Efficiency

Actions and Campaigns

Everyone has a role to play in ensuring their homes, workplaces and vehicles are as energy-efficient as possible. This toolbox aims to provide some ideas for awareness raising actions and campaigns, which can be organised at local level in order to inform the main target groups about the benefits of energy efficiency and incite them to initiate own actions.

The ideas and suggestions presented here can be adapted and customized to meet the specific needs of each local authority...

Target group(s)/objective(s)	Description	Pictures	City(ies)
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Target group(s)					Main objective(s)					Description		Pictures	City(ies)
Policy-makers	Citizens	Schools	Businesses	Shopkeeper	Awareness-raising	Information	Advice	Education	Participation	<p>ALTBAPLUS</p> <p>Aachen decided to concentrate on one of the big reduction potentials for CO2: energetic refurbishment of old buildings. To reach this goal, the council of the town set up in 2004 a new organisation: "altbauplus". The idea is to get a good cooperation between the different actors and to bundle the knowledge. Altbauplus practically offers the provision of multiple services that aim to promote energy efficiency to householders:</p> <ul style="list-style-type: none"> • to set up a network of all relevant regional actors in the subject of energy efficient refurbishment of old buildings, • to offer advice independent of interest of energy-suppliers or providers to citizens about possibilities to refurbish the heating or the building, funding possibilities, cost effectiveness of measures and the environmental effect, • to inform about qualified providers in the region, • to initiate and organise further training for crafts men, • to enforce, promote, implement and publish best-practice examples. 		 	Aachen (Germany)


“BEFORE-AFTER RENOVATION” DISPLAY® LABELS

Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeeper
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation

As part of its continuous improvement policy, the town of Martigny exhibits double “Before-After renovation” Display® labels, accompanied by a description of the building and the works carried out. This is supposed to show the population that its use of energy can be reduced even with minimal investments.

These posters give advice concerning renovation; they describe the actions taken and the results obtained.

The expected impact is a change in individual behaviour so that everyone participates in the energy saving programme. The final objective is to motivate private owners to follow the municipal approach.



Martigny (Switzerland)


BOILER CASTING

Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeeper
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation

Berlin makes clean air and is looking for the oldest boiler of the city. “Berlin macht sich Luft” (Berlin makes clean air) is a campaign of the Berliner Energieagentur GmbH (energy agency of Berlin) and the GASAG Berlinger Gaswerke AG under the auspices of Ingeborg Junge-Reyer, Senator for Urban Development Berlin.


The campaign has a current background: since the 1st November 2004, old and inefficient heating systems with too high exhaust gas loss need to be replaced according to the Federal Immission Control Ordinance (BImSchV).

The objective of the campaign is to advise Berlin’s citizens of the boiler replacement.



Berlin (Germany)

CAMPAIGN "SAVE ENERGY ALSO AT WORK"

Target group(s)					Shopkeeper	<p>This campaign commenced in September of 2001 and it is still on going. Its main aim is to save energy in municipal buildings by creating in 1600 municipal workers of the Council of Pamplona the habit of switching off the lights and their computer at the end of their working day (the habit of recycling paper was also an additional objective). A wide objective is to increase the public functionaries awareness about a more conscious exploitation of resources.</p>		Pamplona (Spain)
Policy-makers	Citizens	Schools	Businesses	S				
Main objective(s)					Participation	<p>The main 3 elements used were:</p> <ul style="list-style-type: none"> • explicative letters addressed to the workers in order to let them know the objectives of the campaign, • small sized stickers, to be pasted in the computer screen, combining pictures and questions (do you switch the computer off before you leave?, And the lights? , Do you recycle paper?), • posters located in strategic areas of the offices and containing the same key questions. 		
Awareness-raising	Information	Advice	Education	S				

CUSTOM ADVICE FOR INDIVIDUAL BUILDERS

Target group(s)					Shopkeeper	<p>Whoever has planned to build and construct privately owned dwelling within the municipality of Smallerland can receive tailored advice on energy efficiency and savings. This service, provided by the coordinator sustainable construction of the municipality, is for local house owners, living within the municipality and desiring to construct new dwellings.</p>		Smallerland (Netherlands)
Policy-makers	Citizens	Schools	Businesses	S				
Main objective(s)					Participation	<p>This incentive program for the citizens provide extra information on sustainable building and construction. The consultancy firm helps with the following steps:</p> <ul style="list-style-type: none"> • detailed engineering plan with the private person, • support is given to the private person in talks and negotiations with architects, contractors and mechanical installation firms, • support is given for the inspection of tenders. 		
Awareness-raising	Information	Advice	Education	S				

DSM STAND-BY DEMONSTRATION PROJECTS

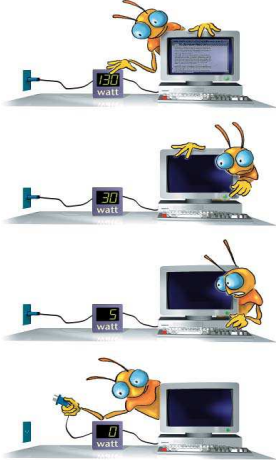
Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeeper
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation

A judicious choice when replacing electrical household appliances will enable the electricity consumption to be minimised. With this in mind, information campaigns, supported by direct financial assistance, have been successfully launched for customers of the Lausanne Electricity Department.

Moreover, all the technical, economic and legal information is constantly processed at "Contact Energie", the information centre for the general public. Exhibitions on themes are organised there three or four times a year.

A brochure was published and is distributed to the general public. The brochure gives information on:

- details of the consumption of a television set in stand by mode,
- the superfluous consumption of various electronic appliances,
- advice,
- recommended economic appliances.



Lausanne
(Switzerland)

ECO-AUDITS

Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeeper
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation

The pilot project "energy and waste savings at schools and day care centres" started in autumn 1997 within the framework of the city council's eco-audit. It aimed to raise the children's ecological awareness. The objective was the reduction of water, heat and power consumption, the waste quantity and consumable materials as well as a change of user behaviour in schools and day care centres. The reduction in the fields of energy, water and waste was paid out to the schools to 50 percent. The Kick-Off in the schools took place via a serie of posters as well as a Kick-Off-Event initiated by schools with all pupils. An official agreement was signed between the head of school, pupils and a representative of the City of Münster at this event. The energy saving measures were implemented by the "eco-teams" (pupils, teachers, educators, parents and caretakers) at the schools. These teams were supported by extern consultants of the Office for the Environment. The activities were published in the newspaper of the Öko-Audit. Furthermore, activities like the award of the facilities or the competition "Öko-Audit-Classes of the year 2000" were published.

Münster (Germany)

ECO-HOUSE

Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeeper
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation

"Environ" (a charitable association), with financial support from Leicester City Council, has set up an ecological model house, by renovating a detached house originally built in the 1930's. This Eco-house serves as a permanent "in situ" exhibition, with environment-friendly installations and materials, in order to encourage and inspire visitors to change their homes and their habits. It shows how the combination of rational use of energy and renewable energy can help to reduce the impact that a house has on the environment, whilst reducing energy consumption. The house introduces visitors to different developments that make it possible to save energy, together with photovoltaic solar panels and a wind turbine for the production of electricity and hot water. Schools can arrange guided tours of the Eco-house and private individuals are provided with a free audio-guide during their visit and can use the computers provided in each room to obtain more detailed information concerning the products on display, to play games or to see a video presentation on the construction of the Eco-house. Qualified staff are available to provide information and advice.

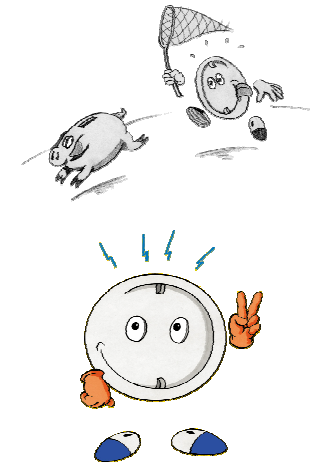


Leicester (United Kingdom)

E-FIT IN ONE WEEK


Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeeper
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation

"E-fit" week is a programme offered by the energy agency of North-Rhine Westphalia. This programme addresses offices and production facilities of companies and public administration buildings. For one week, the energy advisors of the agency train the employees of the respective company or institution on how to save energy. The agency provides dissemination material and helps to motivate employees to develop energy saving ideas. Over 50 companies and institutions have taken part in this programme. Respective monitoring shows that the "E-fit" week results in energy savings of up to 15 % thanks to the changed behaviour of the employees.




Cologne, Düsseldorf (Germany)

ENERGO KID - energy efficiency education for children

Target group(s)					Shopkeeper S	The project «Energo Kid» started in January of 2007. Its main objective is the energy efficiency education for children. Energo Kid is always present during educational broadcasts of Energo on local TV stations and local radio stations. The broadcasts are about energetic efficiency, ecology and energy saving. In making this project possible, it has been included several marketing agencies with technical support of a TV station.		Rijeka (Croatia)
Policy-makers	Citizens	Schools	Businesses					
Main objective(s)					Participation	The Energo Kid stickers, time-table, brochures, calendar, puppet play "Plinko"...are also developed.		
Awareness-raising	Information	Advice	Education					

ENERGY ADVENTURE TRAIL

Target group(s)					Shopkeeper S	Within the framework of the Local Agenda in Nuremberg/Fürth, a project named "Energie-Erlebnispfad" (energy adventure trail) has been established. Based on an existing energy exhibition of the Pestalozzi-Volksschule (school in Fürth), the employees of the Solar Energy Centre and the EWAG of Nuremberg had the idea to develop a fun oriented energy trail. A teacher supports the initiative, its development and its concrete implementation. The energy adventure trail deals with different subjects of the energy issue. The pupils can experiment their energy use through different tools such as an energy bicycle or a big puzzle.		Nuremberg, Fürth (Germany)
Policy-makers	Citizens	Schools	Businesses					
Main objective(s)					Participation			
Awareness-raising	Information	Advice	Education					


ENERGY BOX

Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeepers
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation

The project was a co-operation between the environmental department of the City of Zoetermeer, the social department of the City of Zoetermeer, The Energy Agency Zoetermeer and the organisations Twinstone and Ecoware.

Free energy boxes were distributed to 2,400 households with minimum income. The aim was to reduce the quantity of CO2 emitted by the individual households.

The energy box contained 3 energy efficient light bulbs, a stand-by killer, radiator isolation, water savers and a brochure with energy saving tips.




Zoetermeer (Netherlands)

ENERGY BUS

Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeepers
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation

Heliose, the energy advice centre in the country of Loire, has created a nomad energy advice centre with the "Energy bus". This bus is a real communication tool and helps the energy advisers to reach the rural areas where there is no permanent energy adviser (as Roanne, Montbrison, Saint Chamond). Inside the bus, the customers can access to an advice area with a documentation display unit and a computer, documentation... Moreover, a photovoltaic panel is installed on the bus top as teaching tool: a regulator informs on the instantaneous electricity production.



Roanne, Montbrison, Saint-Chamond (France)

ENERGY DETECTIVES

Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeepers
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation

Energy Detectives is a fun program, for teachers and students. Children between 8 and 16 years search for energy guzzlers and look for alternatives to save energy. Energy detectives are children and teenagers, who take care of the melting of the glaciers, the mountains of waste... Energy detectives are curious and want to have fun. Energy saving can be very exciting! The highlight for pupils is when they were able to measure the energy consumption of some common appliances found at school and detect some energy leeches! Pupils then determine some areas where they could increase their savings.



Basel (Switzerland)

ENERGY EDUCATION WORKSHOPS

Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeepers
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation

In collaboration with the local energy agency, an Energy Education Programme is launched each year during the national Energy Awareness Week (September) in Navan. All of the schools (primary and secondary) are visited and presented with promotional energy awareness materials and information.


Moreover, the principals and teachers are encouraged to promote energy issues in their schools. Some examples of suggested activities included:

- an Energy Table Quiz,
- a Poster Competition,
- a walk or cycle to school competition,
- energy tips for every day during Energy Awareness Week.

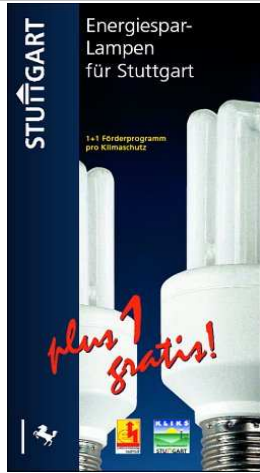


Navan (Ireland)

ENERGY GAIN - a local training programme

<i>Target group(s)</i>					<p>"Energy Gain" programme aims to increase awareness of energy issues in small and medium enterprises, by combining education (seminars and study visits) with a voluntary agreement on action taken by the companies. The objective is to have 100 participating companies (manufacturing companies, industrial workshops, agricultural enterprises, real estate companies, groceries, supermarkets and automotive retailers etc) that are making efforts to make their energy use more efficient as well as investing their possibilities to change from fossil fuels to renewable energy, decreasing CO2-emissions as well as emissions of other polluting substances.</p>		Lidköping (Sweden)
Policy-makers	Citizens	Schools	Businesses	Shopkeeper			
<i>Main objective(s)</i>							
Awareness-raising	Information	Advice	Education	Participation			


ENERGY-SAVING LAMPS

<i>Target group(s)</i>					<p>The use of energy saving lamps is very profitable as carbon dioxide emissions can be lowered significantly with relatively few investments. Although energy saving lamps have been profitable by now, many people hesitate to buy them because they cost ten times as much as conventional bulbs. The reluctance to buy energy saving lamps can be smoothed out with promotion campaigns.</p>		Stuttgart (Germany)
Policy-makers	Citizens	Schools	Businesses	Shopkeeper			
<i>Main objective(s)</i>							
Awareness-raising	Information	Advice	Education	Participation			

ENERGY TOURS

Target group(s)					<p>Last year the Energy Tours took place for the second time. These Tours are jointly coordinated and advertised by the cities of Metz, Luxembourg, Saarbrücken and Trier. Because of the big success, such tours will take place again in Luxembourg City and Trier this year.</p> <p>Energy Tours include visits of construction sites and innovative buildings as well as meetings with experts or local technical stakeholders. These study tours are specifically intended for architects, engineers, craftsmen, people in charge of energy matters, etc., who want to acquire a better understanding of how these projects came into being and, why not, use them as a source of inspiration.</p>		<p>Metz (France), Luxembourg (Luxembourg), Saarbrücken and Trier (Germany)</p>
Policy-makers	Citizens	Schools	Businesses	Shopkeepers			
Main objective(s)							
Awareness-raising	Information	Advice	Education	Participation			

"EXTREME LIGHT MAKEOVER"

Target group(s)					<p>Ten shops are involved in the initiative "Extreme Light Makeover" started in 2005 and managed by the local Energy Adviser. Their commitment is to make their lighting more energy efficient with help from experts in both energy and lighting design. The goal is to show the possibilities in rational use of energy for lighting in retail shops. The results will be circulated through a brochure to other shops in Borås.</p>		<p>Borås (Sweden)</p>
Policy-makers	Citizens	Schools	Businesses	Shopkeepers			
Main objective(s)							
Awareness-raising	Information	Advice	Education	Participation			

GREEN SHOPS

Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeepers
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation

The "Green Shops" concept was developed in 1995-98 from different initiatives in Danish cities, mainly in the city of Kolding where a Green Guide provided a systematically way of offering shops assistance within energy savings etc.

The aim is to provide a mapping of energy use in the shop regarding lighting, heating, cooling etc. Moreover, each shop is required to yearly set up at least 3 new target areas for improvement on energy and environmental matters.

Green Shops are awarded with a Green Shop certificate being visible in the shop for all customers and thus helping to promote general awareness rising amongst citizens.



Kolding, Koege...
(Denmark)

"HOME ENERGY CHECK" QUESTIONNAIRE

Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeepers
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation

In partnership with the "Leicestershire / Northants Energy Efficiency Centre and Energy Agency" (LNEECEA), the city council provides interested individuals, who wish to improve the energy efficiency of their home, with a "Home Energy Check" questionnaire, which is available for free at the "Centre" and on the internet. On this basis, the LNEECEA provides individual advice tailored to suit the needs identified in the questionnaire.

This advice relates to:

- sources of funding for investments in energy improvements,
- low energy consumption appliances,
- tried and tested companies able to carry out improvements,
- the use of clean and renewable energy.




Leicester (United Kingdom)

ICE BLOCK BET

Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeepers
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation

The "Ice Block Bet" (Eisblockwette) event aims to highlight the large potential to reduce costs, energy consumption and CO2 emissions by installing thermal insulation, for instance to passive house standards. The Ice Block Bet event makes energy efficiency a clear and comprehensible reality for a broad public.

More than 40 towns and municipalities are taking part in Climate Alliance's "Campaign of the year 2007" in Germany. They cover a block of ice in a well-insulated hut and take bets from their citizens on how much ice will remain after a certain period (from one up to three months). The media response is enormous. Event partners include the German association of carpenters and the German Energy Agency (dena).



Many cities in Austria, Germany, Switzerland, Luxembourg


LOCAL ENERGY FORUM

Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeepers
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation

The main aim of the Local Energy Forum is to extend the commitment of the whole stakeholders to the municipal community by drawing up the Action Plan which pinpoints those projects most significant for the City, defines guidelines and feasibility, identifies individuals and organizations responsible for carrying out the projects and determines methods of monitoring the application of the projects.


Projected activities include:

- Awareness raising among citizens about energy savings, the sustainable use from resources and renewable energy sources;
- Increase of local supply through voluntary agreements and professional training courses for installers, engineers and architects;
- Involvement of Local Authorities and political decision-makers at various administrative levels;
- Preparation of long-term programmes of incentives and urban planning which encourage the use of renewable energy sources and energy savings.


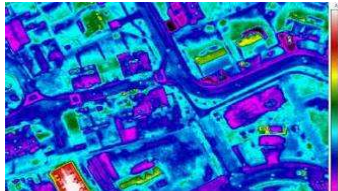


Napoli and Padova (Italy)

MINUS 20 % ENERGY - Diet for Sport Facilities

Target group(s)							
Policy-makers	Citizens	Schools	Businesses	Shopkeepers			
					<p>The Ganderkesee's Energy Saving Model For Sport Facilities aims to reduce the energy consumption of the sports facilities with the active participation of sportsmen and women.</p> <p>With its energy saving programmes and initiatives, Ganderkesee has made a name for itself nationwide. They speak about the "Ganderkesee's Model" and they call it exemplary. Schools and sport clubs have contributed considerably.</p>		Ganderkesee
Main objective(s)							
Awareness-raising	Information	Advice	Education	Participation	<p>To reach all sports club users, the municipality initiated another project in 2005 and tasked the Regional Umweltzentrum Hollen e. V. (RUZ) with the implementation. The objective of the plan "The Ganderkesee's Energy Saving Model For Sport Facilities" was the "Boost of Energy Saving and Climate Protection By Improving The Information Exchange". The project run from January 2006 until July 2006 and was supported by the EU.</p>		


"REFLEXENERGIE" CAMPAIGN AND THE AERIAL INFRARED THERMOGRAPHY

Target group(s)							
Policy-makers	Citizens	Schools	Businesses	Shopkeepers			
					<p>Infra-red aerial thermography of all of the public and private buildings of the Dunkirk area was carried out to illustrate the loss of heat through roofs. On the basis of this visually expressive analysis, the district decided to give advice and to grant aid to owners who wanted to carry out insulation work or to install solar panels.</p> <p>Moreover, the "Réflexénergie" ("Energy Reflex") Campaign was set up in order to go further and help to control energy consumption. This initiative is intended for all those, both private householders and business people, thinking of carrying out insulation work or energy saving measures. This Campaign has developed a number of aids to communication and awareness raising and sources of information.</p> <p>It also includes a new free phone service. By phoning this number, anyone can get advice on insulation, energy saving, renewable energy and of course make an appointment with one of Greater Dunkirk's energy advisers.</p> <p>"Energy Reflex" is also setting up a discussion forum as part of the EU funded BELIEF project. This meets twice a year during important events in Dunkirk.</p>		Greater Dunkirk (France)
Main objective(s)							
Awareness-raising	Information	Advice	Education	Participation	<p>It also includes a new free phone service. By phoning this number, anyone can get advice on insulation, energy saving, renewable energy and of course make an appointment with one of Greater Dunkirk's energy advisers.</p> <p>"Energy Reflex" is also setting up a discussion forum as part of the EU funded BELIEF project. This meets twice a year during important events in Dunkirk.</p>		

REST CAMPAIGN - Renewable Energy and Sustainable Tourism

Target group(s)					Description	Location
Policy-makers	Citizens	Schools	Businesses	Shopkeepers		
					<p>REST is an energy saving campaign for energy conscious hotel managers in six European countries. REST supports exemplary hotels in energy savings and use of renewable energies. On 1st February 2002, this project was created by 12 energy agencies from six EU-member states and Energie-Cités and was financially supported by the European Union and local partners. The Berliner Energieagentur (energy agency of Berlin) was one of four German partners in the project that lasted until 2003. Hotels were to be motivated to become "CO2 neutral" in their energy performance. The Hotel Victoria in Freiburg, a "Zero Emission Hotel" and other similar buildings are good examples. Hotels benefit from the advantages of sustainable tourism that means they learn to value the fuel cost savings and carbon dioxide reductions as well as to raise the awareness of ecologically sensitive tourists and thereby increase the overnight stays in hotels. The energy agency counselled 15 Hotels and four hotels could be won over for the REST Campaign. In cooperation with the partner project ResHot, six more partners could be won over.</p>	Berlin (Germany)
Main objective(s)						
Awareness-raising	Information	Advice	Education	Participation		

TRAINING AND INFORMATION CAMPAIGNS

Target group(s)					Description	Location	
Policy-makers	Citizens	Schools	Businesses	Shopkeepers			
					<p>Training and information campaigns have been carried out in Helsinki to disseminate energy saving information on good practice to all parties who have influence on energy efficiency in buildings e.g. customers, pupils, teachers, employees, maintenance personnel, builders, landlords, facility managers etc.</p> <p>Activities include among others:</p> <ul style="list-style-type: none"> • training for energy efficient use of buildings in connection with energy audits, • arranging information forums for builders and developers, for maintenance personnel and for the workers of the municipality, • energy saving week – arranged since 1996 every year on 41st week, • arranging a public energy saving exhibition on energy saving week with certain departments of the City of Helsinki (Helsinki Energy, Environmental Centre, Water Works...), • Display-label has been put up in a total of 100 buildings, mainly schools. When taking the label to school, information about how to save energy is given to the teachers and school children. 		Helsinki (Finland)
Main objective(s)							
Awareness-raising	Information	Advice	Education	Participation			


WANTED - Oldest Fridge in Town

Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeeper
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation

In most households, the refrigerator is the single biggest energy consuming kitchen appliance. The campaign "Wanted: oldest fridge in town" is a new, fun and engaging way to help you shed your old, energy-guzzling refrigerators, lower your utility bills, and protect the environment. This initiative encourages every citizen who owns an old, inefficient refrigerator to take another step to save money, energy and the environment by recycling that old fridge.

The different steps of the campaign:

- the appeal to search for the oldest fridge currently in use (search with the press and broadcasting),
- processing of feedbacks in written form and by telephone,
- accompanying information on the subject,
- award show.




Augsburg,
Frankfurt and
similar activity in
Berlin (Germany),
Budapest
(Hungary)

WORKSHOPS ON ENERGY SAVINGS AT HOME

Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeeper
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation


Different workshops were organised in eighteen municipalities in the province of Huelva. The main objectives of the project were to disseminate information on end-use energy efficiency and on social related aspects including lower energy bills. The target sectors were neighbourhood resident associations, association of women and housewives. The technologies used in the workshops included energy efficient lights, a demonstrative system of energy consumption and a solar lamp.

Informative leaflet and customized questionnaires for the domestic sector were also developed.



Lepe, San Juan del
Puerto, Cartaya,
Higuera de la
Sierra, Gibraleón,
Trigueros,
Ayamonte, Punta
Umbría, Villalba
del Alcor, Moguer,
La Palma del
Condado, Almonte,
Bollullos Par del
Condado, Cumbres
Mayores (Spain)

3/4 PLUS - Clever energy and water use in schools

Target group(s)				
Policy-makers	Citizens	Schools	Businesses	Shopkeeper
Main objective(s)				
Awareness-raising	Information	Advice	Education	Participation
<p>The 3/4plus project wants "to protect climate and save resources". Its main objectives are:</p> <ul style="list-style-type: none"> • to give advise and to support schools with the implementation of intensive and non-intensive measures, • to accord to all schools that reduce their power consumption, heat and/or water consumption, a part of the financial benefit, • to offer technical and educational support with the intervention of environmental matters during classes. <p>Schools in Bremen contribute in an important way. Caretakers provide an efficient energy use with the optimal adjustment of technical machines. Teachers inform about the basics in their classes. Thereby, pupils feel responsible for the energy and water consumption at their school.</p>				
				
<p>Bremen, Bremerhaven (Germany)</p>				

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