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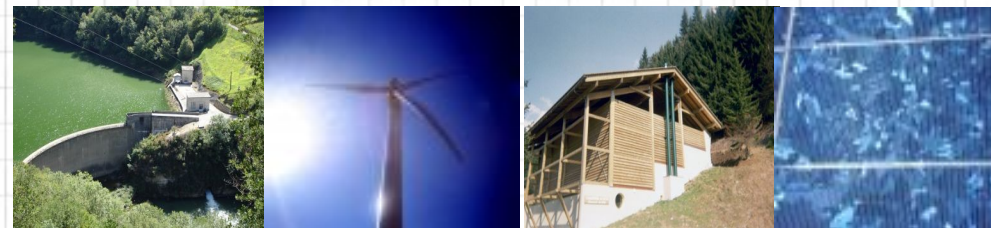
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Newsletter Energy Education N°2

November 2007



*Managing energy,
Managing our future*

*Apprendre à maîtriser
l'énergie, c'est prendre en
main son futur*



It is my pleasure to present our second newsletter devoted to Energy Education and supported by the European *Sustainable Energy Europe* programme.

On the Agenda, various topics and information about participants, projects and tools, which I hope will enable you to reinforce your everyday activities and contribute to the development of new projects.

Most of the projects presented are for children, who are the main target audience to address, so they can acquire real energy awareness and culture, and avoid developing the bad habits that I would call reflexes and which are difficult to break. Moreover, children are the link and precious contributors across generations, and for those around them. You will read that, in schools, around Energy Education projects, teachers and education professionals, parents and grandparents are also directly or indirectly involved.

No one questions the importance of environmental education for children, because it is a fundamental axis for establishing changes in behaviour to support sustainable development, but this in no way excludes adults and , on the contrary highlights the need for life-long education in this area.

In order to act, it is essential to be aware and trained. It is therefore necessary to build up energy awareness progressively and to set up educational projects about energy with a European dimension and partnerships.

The work of ARENE is geared towards this objective and its Newsletter is an illustration of this. By presenting different educational experiences, it is my intention to emphasize the value of Energy Education and the actors, and foster new initiatives.

Claude BASSIN-CARLIER,
Director of ARENE Île-de-France

On the Programme

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Energy Education crosses borders

Energy education takes on a new dimension here, because it involves the twinning of schools in different countries, France and Switzerland. Above and beyond sharing of know-how, this common project work enables students and teachers to view energy issues from a different local perspective.

A Franco-swiss project



The EDEN energy education project is a Franco-Swiss programme that aims to raise awareness among children (and among the general public) concerning energy issues for the academic years 2005-6 and 2006-7. It has enabled the creation of a strong cross-border partnership, with a view to developing new teaching resources and to perfect and optimise the use of existing materials. A certain number of educational projects, twinning programmes and events have already been organised and put on in Swiss and French schools. Educators on both sides of the border have been able to combine their know-how and come up with new teaching resources. This work has also provided an excellent opportunity for those involved to compare and swap teaching techniques. On completion of the project, some 80 classes will have benefited from the scheme.

A highly effective search engine

The energy education website, www.education-energie.org, is equipped with a teaching materials search engine that teachers and associations will have the pleasure of using. It is classified by theme, teaching approach and type of material. This host site is intended to help teachers to set up their energy education projects. It offers a list of tried-and-tested teaching sequences, a calendar of training sessions for energy education, as well as a selection of articles on current energy issues. Use of the website is completely free for children and young people, teachers and those responsible for regional and local energy education policies. They are even invited to add their comments to the site.



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Crown-ups too

In addition to the need to develop environmental education for young ones, adults are not to be left out as a lost cause. On the contrary, even if they are outside the educational system, it is not impossible to contribute to changes in their behaviour, and awareness-heightening activities for adults are just as strategically important as those for children. Whether it is to develop eco-habits, to better understand recent energy market developments, or to fight energy shortages, adult education is very important.

In this context, the association 'The Kettle', organised in May 2007, « an energy and water-saving week» for families from the town of Cachan, living in the "Cité Desjardins" quarter. The event was based around two elements : a weekly exhibition about energy use and three half-days around three information stands and individual advice.

This way, visitors were able to gain general information, as well as the benefit of a more personalized approach :

- Bills Stand : explaining an estimated bill, real consumption, tariffs, amount, energy maintenance service, minimum service etc.
- Electrical Appliances Information Stand : consumption of different appliances, advice on how to limit energy costs (energy-savings presented by €/year), demonstration with a television and a video recorder.
- Lighting Stand : demonstration of different lighting appliances, with a count of energy saved, and handing out of energy-efficient light bulbs.

Organised with the support of the Socio-cultural Centre, the SIPPAREC, the ADEME, the town hall of Cachan and the OPAC of the Val-de-Marne, this week, over and above the awareness development among families, also enabled them to be informed about the different tariffs of their energy-provider, and about the possibilities for financial assistance. It was also an opportunity to promote the acquisition of energy- and water-efficient appliances among visitors. Part of this was inviting them to exchange their incandescent light bulbs for new low-consumption ones, offered by the association. This is how the 'Kettle' association succeeded in implementing an effective combination of activities, at the service of families and the environment!

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*The Ile-de-France Region endows itself with a
"regional policy in favour of environmental
education for sustainable development"*



As part of its Environmental Education project, ARENE Ile-de-France, a member of the regional Environmental Education network (CEEF), has lent its support and its skills to the Ile-de-France Regional Council to define a regional policy in favour of environmental education for sustainable development. The Regional Council concerning this policy will enable the support and promotion of environmental awareness projects, particularly with regard to energy.

The aims of this regional vector are the following :

- To gather and mobilise regional actors ;
- To promote environmental education for sustainable development and raise the profile of people involved ;
- To launch a process of communication and cooperation to contribute to regional coherence.
- To build up a strategy for the support and accompaniment of educational practises, information and training
- To try out new environmental education techniques, particularly in the areas of energy and clean-transport.

This is what ARENE is working to achieve in the areas of environmental education and sustainable development (EEDD)

Extract from the Regional Council's report CR 37-07 :

«The regional policy in favour of environmental education towards sustainable development (EEDD) is founded on these basic principles :

Regional projects are long-term in order to contribute to collective awareness and encourage changes in behaviour, it is aimed at all members of the community, of all ages and addresses citizens in their daily lives and professionals in their practices. It must be clearly presented and support the activities of leaders of environmental education projects in the Ile-de-France region.

All members of the community must be able to rediscover their region and benefit from their local environment (whether rural or urban). Communication on EEDD will therefore be a strong axis for regional action.

Public markets will contribute to promoting EEDD as necessary. The Regional Council wishes to promote the quality of the projects and the teaching tools created in the area of EEDD and to take action in this area in conjunction with the major local organizations, National Education in particular . » (source Ile-de-France Regional Council)

Subsidies will enable the financing of : support for events, the organisation of competitions, support for educational project network coordinators, the creation and distribution of teaching materials. The rates and amounts of subsidies vary according to the projects.

For more information, consult the report and table relating to subsidies :

http://elus.iledefrance.fr/webapp_mariane/marianeWEB.jsp?action=rechercher&geoID=&domaine=CDR&titre=CR+37-07&geo=&date1=-1&date2=-1

To find out how to submit an application for funding from the Ile-de-France Regional Council :



Racheline COHEN, Responsible for environmental education
Tel. : 00 33 1 53 85 56 36 - @ : racheline.cohen@iledefrance.fr

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For advice and information about ARENE Ile-de-France regional projects :

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Science, Art and Experimentation



The aim of the association 'la Bouilloire' ('the Kettle'), is to participate in the development of a culture that takes into account the interactions between man and his environment, with respect for differences, in order to enable a wide audience to develop environmental awareness.

To this end, it organizes various interdisciplinary actions, especially in schools, leisure centres, socio-cultural centres, associations and companies. These events often take the form of workshops, which engage the five senses, through stories, theatre, mime, painting, music or art. It therefore combines scientific and artistic methods, to promote an appreciation of the environment. Since 2005, the association runs an Energy Information Centre (Espace Info Energie) (EIE) open to the public.

A game made up by children

Since 2003, the association has been working on the theme of energy sources for schoolchildren, as part of a programme called 'keys' or of educational projects co-built with teachers. In the elementary school "the Coteau", in Cachan, the association La Bouilloire has organised and run an educational activity around the creation by children of a game about energy. Children from the same class are divided into two groups to take part in workshops lasting 1-2 hours each, in order to progressively invent a game relating to energy. This project has enabled several learning objectives to be achieved with the children ; getting them to make up a game on a given theme, in groups, over several sessions, stimulates their creativity for a common project, and enables them to use and combine newly acquired knowledge.

By the end of the project, the children had come up with two games :

- a mystery trail, with guessing games, games of charades, adapted to the theme of energy;
- an adaptation of the famous game « Cluedo » called « Cluenergy ».

At the end of the project, the game was presented at the school assembly, and it was put online on an educational website, and a CD Rom of the performance was given to each child.

- Lessons about energy (what is energy?, the importance of energy-saving, the use of renewable energies, etc.);
- A competition about energy (during the national campaign for energy-saving - on the anniversary of the Kyoto Protocol) ;
- A symbolic prize for each pupil joining the campaign (a game made up of suggestions on how to save energy);
- The organisation of a party, "Let's say Happy Birthday to the Kyoto Protocol!" (16th February) ;
- A prize for the best classes, symbolized by a solar panel.

Concerning radiators equipped with thermostatic valves, this involves AESS making an agreement with maintenance and energy-services staff to fit the taps in the classes but also means providing each class with an educational thermometer, showing energy-saving recommendations.

We organised several meetings in classes with the pupils, to explain the purpose and functioning of the various tools and we provided exercises for the inside temperature-management activities guide. We also asked each class to nominate a class rep to manage the classroom temperature and adjust the tap.

Arene : Is there a network dedicated to energy education in Italy?

M.A.: Yes, but the most effective ones are the ones that operate on a regional level. For example, the Emilia Romagna Regional Network also looks after energy issues. It's called the INFEA and you can visit their web site : <http://www.ermesambiente.it/infea>.

Arene : Could you give us another example of action led in schools by AESS Modena ?

M.A. : AESS organises an "energy day" each year in the schools in Modena where renewable energies and energy-efficiency installations have been installed. During these days, schools are open to visitors and presentations are put on (information points, guide visits of installations etc .)



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FEEDU

A European Project at the service of energy and transport education

The FEEDU project is part of the European programme *Intelligent Energy Europe* (see [ARENE newsletter n°1](#)). It focuses on the creation of teaching materials in relation with energy and transport.

Today, thanks to this project around 40 projects have been carried out and presented on the FEEDU website www.feedu.org.

The site presents projects led by the 13 agencies for energy education in nine European countries (Belgium, France, Germany, Greece, Italy, Portugal, Sweden, Slovenia and the United Kingdom). The experimental projects carried out by the FEEDU, as well as the tools it creates, are intended to raise awareness among teachers, pupils and also parents, concerning the various aspects of energy and transport.

The principal objective is to bring about a change in energy and transport habits. The areas of awareness to develop concern energy use in schools, but also in homes and means of transport. To this end, projects are done in classes throughout the school year, and the website, www.feedu.org enables access to information about these practices for a maximum number of people all over Europe.

The participants

The target participants of the FEEDU project are various : children aged 10 to 12 in the 130 schools involved, their teachers and educators, who have received training about energy, parents and local authorities responsible for primary education. Target people vary depending on the aims of each project : awareness, or training and information. The key players in the FEEDU project are the pilot committee of the 130 schools, the appropriate local authorities for education and/or energy, organisations specialised in environmental education that work on and evaluate teaching projects.

Among these key players are local/regional energy agencies which are not partners, but which are involved in the network, schools interested in the project, their teachers and children, not yet involved, and other institutions (environmental centres, museums, local Agendas 21 agencies, etc.) with an important part to play in the future of the FEEDU project, in terms of communication and development of resources.

Each of these participants, at his own level and within his own network, undertakes to provide information about this European project and to encourage the spread of its different initiatives.

An on-line resource centre



Thanks to the « [Educational Resources](#) » section, all visitors have direct access to the complete range of teaching resources and feedback about them. Free downloads of *Technical Files and Descriptions* are available to all users. The *Description* pages contain rules and instructions for games, for example, and provide notes for teachers, as well as the names of the

organisations that developed the materials and their contact information. As well as establishing the materials and their inventors, the site is then also designed to facilitate communication between organisations including schools, institutions, associations, and local bodies. A bonus on the site is a European FEEDU resource centre for all those involved in energy and transport education. This section is classified by country and gives access to websites of specialised associations and institutional bodies.

Click [here](#) for the complete project file list. Feedu also holds an annual conference to present its teaching materials and methods of promoting awareness.

On the 19th and 20th April 2007, a European [Conference](#) on Energy Education was held in Slovenia, as part of the FEEDU project : *Education for energy - A challenge for School*. During this conference, the primary school teachers present, and anyone involved in energy education, was given the opportunity to attend presentations of teaching materials and methods, so as to be able to integrate them, and any new ideas into their own teaching activities.

We thank Mr Crispin Webber of NELEEAC, an active member of the FEEDU project, for his participation in the writing of this article.



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We have also carried out feasibility studies for cogeneration systems, and of course provided training courses, advice. AESS Modena also participates in European Commission projects, such as Leonardo da Vinci, TEN-TELECOM, INTERREG 3C and Energy Intelligent Europe. As a result of my previous activities, but also my more recent ones, I remain involved in and convinced by energy and environmental education projects. I am a keen supporter of this type of projects and policy, which I feel constitute very effective means for the energy issues we are facing today.



Arene : So what are your activities in the area of energy education ?

M.A.: AESS cooperates and works with schools on energy, issues mainly as a facilitator or to implement certain activities and resources, such as training seminars for teachers, a book about energy issues, awareness campaigns with environmental centres, lessons for children about

what habits to adopt at school and at home, and competitions around energy use at school. We are a local agency, active principally in the Province of Modena but also on a regional scale. We work directly in schools, but wherever possible, with environmental centres and their agents, who specifically work on environmental education at a local level.

Arene : You ran an activity on thermostatic radiator valves. Could you tell more about that?

M.A.: That activity was set up as part of the European project “Soustenergy” ((Interreg IIIC South zone). It’s only one of the activities developed in the wider context of a campaign for schools, which involved 16 classes from September 2006 to February 2007 (20 hours per class). As a reminder, the thermostatic radiator valves, enables the temperature in a room to be kept at a chosen level; it’s a system that allows energy to be saved. The campaign includes :

- A poster exhibition, from school to school ;
- A pedagogical activity; “be the energy manager in your class”! (For classes equipped with thermometers);
- The installation of thermostatic radiator valves in each participating classroom;
- A guide of learning activities, stories and games entitled “With Thunderbolt at energy school”;

In Modena, the children adjust the heating

The Agency for Energy and Sustainable Development in Modena, “Agenzia per l’Energia e lo Sviluppo Sostenibile” (AESS), was set up in 1999 with the support of the European Commission, as part of the SAVE II programme. It initially ran with the support of an association of 5 partners : the Province and the Municipal Council of Modena, the Chamber of Commerce, the energy supplier META and the local transport company, ATCM. Today, AEES Modena has 18 partners : the Municipal Council of Modena and the Chamber of Commerce, the University of Modena, 7 groups, the Frignano Mountain Community, GEOVEST, AIMAG, SAT, ATCM and the Legambiente, National Consumer Association.

AEES is a member of the Italian Energy Agencies network, RENAEL, which has 25 agencies. It works essentially on the promotion of renewable energies and rational use of energy in public organisations, SMEs and end-users.

Today we are talking to **Marcello Antinucci**, director of AEES Modena



Arene : Hello Marcello and thanks for receiving us. Could you tell us a little about yourself and your role within AEES Modena?

M.A. : I am director of the agency, in which I work as a consultant, after 30 years of experience devoted to renewable energies and energy-saving.

Eight years after the opening of the agency, there are ten members of staff, and we regularly welcome students on work experience, from different backgrounds. As with any small organisation, I contribute to the daily administrative, commercial, technical and organisational tasks.

I have had the opportunity to develop a certain number of activities, such as : energy planning, energy audits of buildings, setting up solar panel and biomass projects.

In the Rhône-Alpes area, a successful joint-project with teachers



Rhônealpiénergie-Environnement (RAEE) is the regional agency for Energy and the Environment in the Rhône-Alpes region.

It informs, advises and accompanies local authorities but also the public sector (social housing owners and hospitals). The agency specializes in rational use of energy, promoting renewable energies, environmental protection and implementation of sustainable development.

To give an example, it runs the regional energy and greenhouse gas emissions Observatory.

These activities are carried out in conjunction with partners including FEDARENE (see issue n°1 of the newsletter) or the Regional Energy Agencies Network (RARE). It also participates in European programmes such as SAVE and ALTENER (see the PROVIDER project : www.allerverslecole.net).

The agency is naturally involved in and committed to Energy Education. To learn more, we talked to Emmanuel Jeanjean, project manager of Rhônealpiénergie-Environnement.

:

Arene : Hello Emmanuel. Could you say a few words about yourself, your experience leading up to your work at RAEE and your specialities within the agency?

EJ: I have been working with Rhônealpiénergie-Environnement for a little over 5 years, after occupying a post at the Nord-Pas de Calais Regional Energy Agency . I have a scientific background and I worked in a research laboratory on fluctuation of CO2 levels in the atmosphere in the past, CO2 being the main greenhouse gas. When you know about these questions and you know about the increase in levels compared to the past, you really realize that there is a serious problem today, so we are addressing it. At the regional agency, besides energy management education, I work on wind energy and on energy management questions for buildings. In fact, it’s all a question of raising energy awareness, at least to begin with. Both my parents were teachers, and I gave lessons when I was a student. I think it helped me to understand teaching better and I enjoy working with teachers.

Arene : The Agency is quite well-known in France, thanks to its areas of activity and the fact it was one of the first. What place does Energy Education occupy? What is the audience for it ?

EJ : The RAEE has been running energy management education projects for schools for 4 years. More generally, we participate in energy education on a daily basis because when a social housing owner agency comes to see us to ask about installing wood central heating in a poorly insulated apartment block, we have to begin with a little energy management education ! Concerning Energy Education, our audience is ultimately children and young people, but the RAEE is not directly involved in classroom teaching.

Our activities are conducted with teachers and teaching inspectors. We are fortunate in the Rhône-Alpes area to have a network of associations who have been doing classroom projects for many years, called the IERA network.

This has enabled a real culture of energy education to develop among teachers. But the question today is how to make this systematic for all, and not just those people who are already involved.

To this end, the Regional Agency works to coordinate and encourage initiatives at a county or regional level.

Arene : Do you have any energy education partnerships with other European countries ?

EJ : Yes, we started by working on a first European project : Grasping Climate, with our colleagues from NENET Sweden). This has enabled us to develop teaching materials and in particular an exhibition on climate changes and energy, which is used a lot in schools (Climattitude, info on www.raee.org/climattitude).

We have just finished a second European project : FEEDU, coordinated by ABEA (Belgium), who along with 12 partners has enabled the development of numerous activities in around 150 schools in Europe. FEEDU has allowed us to develop a website for teachers, which is intended to become an energy education portal for schools in the region. www.energiealecole.org .

The 'Challenge for the Earth' has already mobilised nearly 750 000 people, including a significant proportion of young people ; also open to collective organisations, the Challenge has been taken up by several hundred primary school classes, and tens of companies and groups.

To give an example, the partnership with the Compass group (school canteen organisation), reached over 100 000 teenagers : in the 350 Scolarest canteens, information posters and the handing out of CLIMACT tests, a cardboard ruler showing the effects of behaviour on global climate change, illustrated the problem in a fun and informative way.

Partnerships with the Press

On an occasional basis, there have been partnerships with 'children's' press (special features on the greenhouse effect and climate change, in 'le journal de Mickey, Mon Quotidien, and a special issue of the magazine OKAPI), 'operation Clever-Estates' (« les Cités débrouillardes »), summer workshops for informing children from the big housing-block estates (association « Les petits débrouillards » in collaboration with the town delegation), the publicity campaign « l'écolo labo » (the eco-lab), in the form of TV clips broadcast on the station Ma planète (My Planet) and a partnership with the Newspaper 'Mon quotidien'.

On particularly effective means of communication proved to be a Cartoon strip, given to children aged 8-10 years, about the problems of the Tuvalu archipelago, confronted with rising water-levels.

The ADEME has also established relationships with the publisher « Actes sud junior » , with whom 4 books for readers aged 9-13 years have been brought out on the themes of energy, climate and sustainable development.



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Towards this goal, the ADEME, which does not specifically have an education mandate, takes every possible opportunity in this area. It works in partnerships at all levels, and in particular, with National Education Authorities.

Thus, ADEME has financed, along with the INES (training institute in the area solar energy), a teacher-training course in local education authority resources about renewable energies. The ADEME also works on the creation of national teaching materials, TICE (Information and Communications Technology for Teaching), e-learning and cd-rom resources for teachers and pupils from 1st year to Sixth Form. These teaching tools are also organized and adapted according to local contexts, with the support of Education Offices and schools.

The ADEME also does a lot of work with environmental and sustainable development education associations. It assists local authorities in their progressive commitment to these themes. The ADEME supports the building of HQE- standard schools, which are a practical demonstration of renewable energy use.

Finally, the ADEME, through its campaigns « Quick, it's getting hotter », « Lets reduce our waste, it's overflowing », is making a concerted effort to inform the general public, including children, about energy-saving, and waste reduction.

Challenge for the earth (Défi pour la terre), an operation involving large-scale mobilisation



DEFI TERRE

Launched in May 2005 by the ADEME and the Nicolas HULOT Foundation for Nature and Man, the 'challenge for the earth' centres on a citizens' commitment charter based on « 10 good deeds for the planet ».

The objective is to mobilise and involve individuals in environmental preservation by taking "small daily actions". The number of supporters is growing as the quantity of CO2 saved.

Climattitude

Un guide d'inspiration pour les enseignants

Arene : Could you tell us about your activities in the Rhône-Alpes Region in connection with FEEDU ?

EJ: In the context of FEEDU, Rhôneénergie-Environnement has got ten schools involved in Energy-use projects. Objectives :

- Contact throughout the school year with around thirty teachers and their pupils ;
- Learning from experience with training, tools and methods ;
- Creating a network for teachers to communicate via a website. (www.raee.org/feedu).

Two half-days of training for teachers, set up with local education authority inspectors. The first session gave teachers access to information and looked at fundamental principles. During the second session, numerous teaching materials were proposed and given to the teachers, some of which were from the European partnership. During the year, the teachers had access to technical support from Hespul and Ageden, 2 technical associations (one day per class).

The results :

Interesting experiences and materials put to the test, examples :

- Exchanges with elderly people about energy use in days gone by and now ;
- Contact with the town hall and its energy-management project (visit from an elected council member, guided visit of an HQE site);
- Building model (solar ovens, solar panel installations...).
- Motivated teachers, trained and ready to renew the experience with subsequent classes.
- Training sessions to renew and develop in partnership with Education authority.

The website needs further development before becoming the Rhône-Alpes regional portal.

Some recommendations :

- More work in future on setting up projects with teaching teams;
- Organise training sessions sufficiently early (before the beginning of the school year);
- Propose simple and adaptable materials and methods.

Arene: Despite the technological innovations being developed in certain sectors (lighting, equipment, buildings, etc), energy consumption continues to grow.

Energy Education seems an obvious and indispensable strategic axis. Environmental education and sustainable development has become part of the school curriculum but do you think more needs to be done to raise awareness among the general public, companies and local authorities?

EJ : Certainly, environmental and sustainability education has become part of the school curriculum, but that's only where it starts!

We ask teachers to work on a subject, which is only one among many important subjects to be taught and we appreciate that school has to give children fundamental instruction above all, and that it is not easy to do more without the necessary additional budget !

But we have to find formulae that will work taking into account these constraints : short and concentrated training courses, accompaniment in schools, practical tools etc.

I think that schools involved in sustainable development (EDD) are really on the right track : using a global approach, with a team representing all concerned parties to pilot activities, consultation, and above all these measures constitute projects that can be transferred to all disciplines.

This is the type of project we need to be working on to get our messages across regarding energy-use and sustainable development.

It is also important to work with other audiences, but we have already been doing that for a long time. However, we are still looking for the best way to measure the impact of our messages.

What we realize in terms of method, is that we need good materials to communicate well : Al Gore's film is a good example because it generates a lot of awareness and provokes action taken in local authorities and companies. We also use it in schools.



The Rhône-Alpes Energie-Environnement web site :

<http://www.raee.org>

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The ADEME

A key contributor to energy awareness



The Agency for the Environment and Energy Management (ADEME) is a public, industrial and commercial establishment, under the joint supervision of the ministries in charge of Ecology, Development and Sustainable Planning, Higher Education and Research. It participates in the implementation of public policy in the areas of the environment, energy and sustainable development. The agency puts its auditing and consulting expertise at the disposal of companies, local authorities, public services and the general public and helps them to finance projects in five areas : waste management, soil preservation, energy efficiency and renewable energies, air quality and noise pollution problems, and to aid their progress towards sustainable development. Its budget amounts 260 million Euros.

Mr Patrice Joly, Director of Communication, Training and Development at the ADEME looks back at the aims and implications of the agency for Energy Education for the ARENE newsletter.

« Energy education constitutes a major objective, since French citizens remain not very well-informed about the subject and they have a lot of preconceived ideas.

Many French people, for example, forget that heating contributes to the greenhouse effect and climatic problems ! The production of bio fuels also raises a question : if it enables a certain gain in energy in France, the conditions in which they are manufactured in the United States do not. This ignorance of energy issues throughout France affects choices made at every level, whether by political decision-makers or ordinary citizens in their everyday lives. It is therefore essential to train and educate all those involved to enable them to have clear judgement when it comes to reducing energy consumption. Energy Education, in particular through learning certain basic principles at school, appears crucial.