

Intelligent Energy News

Quarterly newsletter of the Intelligent Energy Executive Agency (IEEA)
N°5 – October 2006

Dear Reader,

we are pleased to present our 5th newsletter which again gives many examples of how public and private organisations, with the support of the IEE programme, work together for the smarter use of energy and more renewables in Europe.

The first EU Sustainable Energy Week is currently under preparation and you can find more information on this first page. During this event, our agency will organise "Changing Systems and Habits: the Intelligent Energy – Europe Programme" on 2 February 2007. We encourage you to attend

this and the many other events planned during the Sustainable Energy Week. We hope to see you there!

Finally, in this newsletter we introduce you to the European LIFE, ETAP and CONCERTO programmes and the way they help change Europe's energy landscape. Europe is making a concerted effort to address today's challenges and to prepare us for tomorrow.

With all best wishes

Patrick Lambert
IEEA Director

NEWS ON INTELLIGENT ENERGY –EUROPE AND RELATED PROGRAMMES

EU Sustainable Energy Week

A dedicated event on the current and next Intelligent Energy – Europe programmes will form part of the First EU Sustainable Energy Week, which under the heading "Take a week to change tomorrow!" will take place in Brussels from 29 January to 2 February 2007.

Initiated by the European Commission in the framework of its Sustainable Energy Europe Campaign, this week will feature a series of major EU and international events organised by European institutions, the German Council Presidency, the IEEA, the Italian Ministry for Environment, the European Renewable Energy Council, Energie-Cités, Energy Globe, The Council of European Municipalities and Regions, public authorities from Italy, the regions of Brussels and Murcia, the City of Grenoble and others. Participants will be able to join a large number of events covering a variety of European sustainable energy themes:



EU Energy Commissioner Piebalgs meets with the occupants of social houses in Cornwall UK, accompanied by Graham Watson, Member of the European Parliament, and William Gillett, Head of Unit for renewable energies at the IEEA. The houses are heated by newly installed geothermal heat pumps. The occupants stated that they were delighted by their lower energy bills and by the fact that they no longer had to carry coal and dirty ashes in and out of their houses.

Photo courtesy of Cornwall Sustainable Energy Partnership



- EU Renewable Policy Conference
- Changing systems and habits: the Intelligent Energy – Europe Programme
- EU conference on international co-operation on energy efficiency
- Sixth Annual ManagEnergy conference for local energy actors
- EU Sustainable Energy Construction Conference
- EU Urban Transport, Energy & Vehicle Technology Conference
- Energy Globe Award TV Gala
- Local and Regional Sustainable Energy Solutions
- 4 Technology Platforms
- Seminars and workshops proposed by European regional authorities, networks and trade associations

Those who cannot come to Brussels to take part will have the opportunity to participate in a number of related national, regional or local events, including

- The Energy Days of the Brussels Region (Belgium) on the following weekend.
- Les Assises de l'Energie in Grenoble (France)
- The meeting of the European Buildings Directive Platform in Dublin (Ireland)
- The Spanish Sustainable Energy Week in Murcia (Spain).

Make a note in your diaries now! You can obtain more details and register for the EU Sustainable Energy Week on

 www.eusew.eu

If you wish to contribute to this event within your own country, please get in touch with

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Response to enquiry on Intelligent Energy - Europe II

More than 80 persons took the opportunity to respond to an online enquiry on the 2007 Work Programme of Intelligent Energy – Europe II launched in mid-July 2006. The IEEA has carefully analysed the feedback given on the content and approach of the current and future programmes. Apart from suggestions on the thematic priorities and project types, which the 2007 work programme should include, the following points of a more general nature were also raised:

- There is a continued need for making things easier for those who would like to apply for IEE funding. Although most respondents found the administrative effort involved in the submission and carrying out of an IEE project acceptable, it was nonetheless clear that simpler procedures and less paperwork would attract new participants.

- The 50 per cent ceiling for financial support can constitute a barrier especially for organisations from the new member states and candidate countries.
- More communication on IEE in languages other than English would make the programme and its achievements more widely known.
- Information on the IEE programme and on how to get involved still needs to become more concise and clear.

The Commission and IEEA would like to thank all respondents for the feedback received. All possibilities to respond to the suggestions made and to design a better a more user-friendly IEE programme are currently being explored. We will inform you in this newsletter and on the IEE website of the follow-up.

CONCERTO: sustainable energy in local communities

The European Commission, through the CONCERTO initiative, is supporting local communities which demonstrate increased use of renewable energy sources combined with better energy efficiency. To date, 9 projects including altogether 28 local initiatives are currently part of CONCERTO. These projects help local communities anticipate and prepare for the energy challenges they are likely to face in the future. By compiling well-documented examples and experiences, the CONCERTO will also help define new standards and more effective regulations.

A European dimension and platform to support CONCERTO actions over the next five years was launched in Brussels on 3



– 5 July 2006 under the name 'CONCERTO Plus'. More than 100 representatives from participating local communities helped formulate a vision statement at this kick-off event, and a series of parallel workshops helped them exchange their experiences and discuss themes of common interest related to dissemination and monitoring of project results, and socio-economic analyses and the formulation of policy

recommendations.

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ETAP: Eco-innovation for a sustainable future

Eco-friendly technologies are good for business, reduce pressure on the environment, and can create new jobs. Since 2004, Europe's "Environmental Technologies Action Plan" (ETAP) mobilises a wide range of organisations - including business, financial and technology companies, public authorities, and NGOs – to work towards the development and greater uptake of these technologies. Within the wide technology spectrum covered, specific action on sustainable energy includes the launch of technology platforms on hydrogen and fuel cells, photovoltaics, wind and solar energy, biofuels production, energy efficiency in transport and industry, and eco-innovation.



Apart from the ETAP website, the newsletter "Clean, Clever Competitive - Eco-innovation for a sustainable future" is a showcase for environmental technologies in Europe. It provides you with a selection of

latest news on national initiatives and specific technologies, informs you of relevant events, and helps you identify European funding opportunities.

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 http://ec.europa.eu/environment/etap/index_en.htm (ETAP website)
 http://ec.europa.eu/environment/etap/newsletter_en.htm (ETAP newsletter)

LIFE: Demonstrating innovation in energy-efficiency

Since its start in 1992, LIFE has become widely known as the European Union's support programme for environmental and nature conservation projects. But even many energy specialists are not aware that LIFE has financed over 130 sustainable energy projects and that, within the LIFE funding area related to environmental themes, more than 12% of all recent projects have addressed specifically energy issues. The project themes covered energy production and distribution on the one hand, and energy-efficiency in industry, services, buildings, transportation, lighting and equipment on the other hand.



For example, the LIFE-supported ILUBE project created a market for wood pellets in Slovakia, achieved a yearly pellet production of 7,000 tons using local biomass sources and created 33 jobs. For these achievements, the project won the Climate Star 2004 award.

One third of the organisations obtaining financial support for energy projects from LIFE are private companies, followed by public and

mixed enterprises, local authorities and research institutions. Almost three-quarters of LIFE-supported energy projects deal with hardware-type technology and investments. The

remainder is mainly methods-based, similar to the Intelligent Energy – Europe approach.

Where can you find more information on the LIFE-supported sustainable energy projects?

a) In the LIFE online database on <http://ec.europa.eu/environment/life/project/Projects/index.cfm> (Go to the “projects” section and click on “search database”).

b) In one of the forthcoming issues of “LIFE Focus”, a publications series presenting examples from the wide range of LIFE-supported projects. The special edition on energy is planned for early 2007 and will be made available on <http://ec.europa.eu/environment/life/infoproducts/index.htm>.

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PROJECTS OF THE MONTH

FEEDU: tackling sustainable energy challenges through education

A project involving 141 schools, 374 teachers and 7500 primary school pupils – FEEDU is rather impressive. Yet, the 13 energy management agencies from 9 countries which launched the project in 2005 had to think big if they were to introduce and improve sustainable energy education in primary schools across Europe. Making sure that the next generation of EU citizens is more energy intelligent means tackling energy savings, both at school and at home, in a variety of situations.

What specific challenges did the FEEDU team face?

Firstly, it was important to enable teachers to provide energy education in a systematic way throughout a whole school year. Having collected, tested and finally compiled best practices and existing tools into a ready-for-use education package, the FEEDU partners introduced a project-based learning plan which comprises of the following steps: introduction/engagement, exercises, action, and presentation and evaluation. Teachers found it initially difficult to integrate these steps and measures into their planning and providing them with the right instructions and skills was not easy at all. Yet, the result was positive once the difficult initial phase was overcome

Secondly, FEEDU helped pupils to obtain better knowledge of sustainable energy issues and to act in more suitable ways. But whilst the message was understood by pupils, would they be able to convince their peers and parents to do the same? In any case, if children cannot convince their parents, who else could?

Finally, not every school department is immediately enthusiastic about the idea of energy education. The FEEDU team therefore had to pay attention to, and work closely with, the public authorities in charge of school education. Some



Energy detectives at work in school (Slovenia)

work was necessary to rub the concept slowly into their administrative plans and procedures, and to convince them to insert energy education into the school curricula. Much remains to be done here.

Yet, a network of convinced teachers has emerged from FEEDU which currently spreads its knowledge through a series of regional/national workshops in the 9 participating countries. The final international workshop in Ljubljana, Slovenia, on 19-20 April 2007 will present best practices collected by FEEDU and others and move the school curriculum-related up to national and European levels.

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IMPROVES-RE: better rural electrification in Africa

Maximizing the economic and social impact of electrification is crucial for rural populations, whose well-being depends on access to reliable power for essential public services and economic activities.

Launched in June 2005 the IMPROVES-RE project will help improve the traditional ways of planning rural electrification in Burkina Faso, Cameroon, Mali and Niger, all in West and Central Africa. The fundamental question to be addressed is: Within a given territory, and in order to ensure equitable access to energy services leading to economic and social progress, which area should be electrified first, using which technology, and at which costs?

To come up with an answer the project team proposes to use the



functionalities of Geographical Information Systems (GIS) within a participative approach engaging both African and European project partners: On the African side, private companies and public authorities in charge of rural electrification will create links with other departments responsible for health, education, agriculture, transport or hydraulics. In Europe, the project team involves the Danish research laboratory RISOE, the Dutch foundation ETC and French engineering consultancy IED, which co-ordinates the project.

The first experiences with the innovative least-cost planning approach used by IMPROVES-RE are encouraging. The method allows evaluating the impact on social and economic development, which the

electrification of a local area would have, and thus to define priorities. The range of services available within the area and thus its relative attractiveness compared to other places plays a major role within this assessment. As M. Bende Valentine, member of the Mbonge Rural Council in Cameroon said, "...even if the presence of a rural market is an important indicator of the level of economic activities in the local area, the number of people going there is even more relevant to determine its economic dynamism".

PV POLICY GROUP: towards better policy frameworks for photovoltaics

Europe seems poised to achieve a significant stage win in its race for greater energy self-sufficiency. With an estimated installed photovoltaic (PV) power generation capacity of about 1.8 gigawatts to date, the target of having 3 gigawatts by 2010 – approximately the size of 3 large power plants – looks realistic. Yet, a closer look reveals that this success story is mostly due to the dramatic market growth in Germany, where 1.5 gigawatts of solar panels have been installed. Most other European countries have not yet embarked on decisive policies to develop their potentials for photovoltaic power, despite some promising developments especially in Southern Europe.

It is against this background that the partners of the 'PV Policy Group' project are working on the removal of policy and regulatory barriers, which currently slow down the growth of European PV power markets. With financial support of the Intelligent Energy – Europe programme, eight national energy agencies from key "solar nations" as well as PV experts launched the project in early 2005. The overall goal is to identify the DOs and DON'Ts when it comes to the creation of suitable political frameworks for the long-term



From September 2006, the IMPROVES-RE partners will organise a number of local and national workshops to present and discuss the project results with local and national stakeholders. A final workshop with the participation of regional institutions of West and Central Africa will take place in Bamako during the first quarter of 2007.

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development of PV markets. Three issues are mainly in the focus:

- financial support schemes for PV (e.g. feed-in-tariff schemes or subsidies)
- regulatory frameworks (e.g. grid access or authorisation procedures)
- monitoring systems (PV market and policy performance).

In May 2006, PV Policy Group published a European Best Practice Report in May 2006, which is available on the project website. Building on the findings of this report, the project team currently develops policy recommendations and a set of concrete actions which could be taken at national and European levels.

The proposals developed by the project will be presented in the form of National Position Papers and Action Plans to policy-makers in each of the eight countries involved. The PV Policy Group partners commit themselves to implement the actions they propose.

As far as the European Union is concerned, a Joint Position Paper and EU-level Action Plan will make recommendations and proposals by the end of 2006.

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SErENADE: sharing expertise in energy advice across Europe

Research indicates that good quality energy advice to households can achieve energy savings of as much as 10%. However, the energy advice sector in Europe is extremely diverse and has developed very differently in each member state. This is why specialist organisations from France, Slovenia, Bulgaria, Austria, Sweden, Italy and the UK have started the European SErENADE project in January 2006 to improve the provision of energy advice services in Europe.

"When asked, many organisations identify themselves as giving "energy advice" and information to clients although they often mean very different things by this, ranging from providing leaflets to homeowners and participation in annual awareness weeks to a quality controlled service with set standards, targets and planned marketing activity" said Catrin Maby, SErENADE Project Coordinator. "By collecting information on how advice is given and sharing this knowledge it is hoped that we will promote a better understanding of energy advice and its benefits".

The SErENADE partners are currently carrying out the first project phase. Evaluating existing energy advice provision to households, SMEs and local authorities, they also aim to identify where this may be lacking and why. Although

only partway through the research the team could already identify important issues related to the role of advice in national policy, the impact of a systematic approach to advice (versus a customer-led approach), the relative cost and cost-effectiveness of advice, and how advice is funded and evaluated in different countries. A written report which addresses these questions and many more will be available on the SErENADE project website from April 2007.

Moving from analysis to action, the 8 project partners will also



Staff from Gloucestershire Energy Efficiency Advice Centre (UK) giving advice in a clients home and by telephone.

develop an online Energy Advice Toolkit, available in seven European languages. It will provide a practical resource for those wishing to improve the quality of and extend advice services across Europe.



Finally, a 'thematic network' in the form of online European Energy Advice Forum will enable the exchange of knowledge, experience and views between skilled practitioners as well as new providers.

To sign up for the SErENADE six monthly newsletter and to follow the progress of the project email info@energy-advice.org or check the project website.

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NEWS FROM IEE PARTICIPANTS

For more details on IEE-supported projects go to http://ec.europa.eu/energy/intelligent/projects/index_en.htm

Buildings and Social Housing

Which city will win the 'Towards Class A' Award?



The Display® Towards "Class A" award ceremony for 2006 will take place on the evening of 26 October in Riga (Latvia) during the third BISE forum (www.bise-europe.org). The prizes for the cities showing the best Display® communication activities are

- 1st Prize: a large electronic screen designed by the German company Messwert GmbH which allows to display the energy consumption of a building in real-time.
- 2nd Prize: 200 Aquaclic water saving devices sponsored by Swiss company Aqua Art.
- 3rd Prize: a retractable banner stand to highlight the city's specific Display® activities and communication campaign.

More than 4000 public buildings from almost 200 European cities carry currently the Display® label to publicly show their energy and environmental performances.

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Calculated or measured?



Under this heading, the ENPER-EXIST team organised an international workshop on operational and asset rating methods for the energy performance of buildings in Budapest in May 2006. The 120 participants followed presentations of the IEE-supported EPLabel and EPA-NR

projects. In addition, participants of the 'Concerted Action' on the European Buildings Directive (a co-operative IEE project carried out by EU Member States) presented experiences with national approaches applied in Germany, Denmark and Netherlands. All workshop presentations are available on the project webpage.

The ENPER-EXIST partners plan their next workshops in Lyon in November 2006, at the EPIC conference. Amongst other project results, they will present a roadmap for the possible broadening of the European Buildings Directive. To stay informed please check the project website and/or subscribe to the project newsletter.

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Buildings Directive online

Do you need to get acquainted with the European Buildings Directive? The first version of an electronic training tool



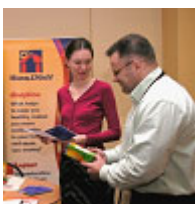
created by the EEBD team has become available on <http://tool.eebd.org>. It provides a range of training modules covering both the general features of the Buildings

Directive as well as details on energy performance standards, certification schemes and inspection schemes for heating and cooling installations in each EU Member State. Any feedback is appreciated and will help evaluate and further develop the tool.

The EEBD partners plan now to organise virtual classrooms. They also have started preparing a workshop in Helsinki in June 2007 (parallel to REHVA'S Climate 2007 Congress), which follows a first project workshop in Switzerland in October 2005.

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Sharing knowledge for energy-efficient social housing



Despite being at an early stage, the SHARE project is beginning to make progress. Two UK social housing providers have started to write specifications for installing renewable technology, and the German SHARE forum has been used to plan a 'low carbon' demonstration flat with energy saving appliances, advice stands and 'hands on' exhibits.

SHARE stand for sharing: the project team builds up a series of cross-sector social housing forums to initiate change towards more energy-efficient housing. There will also be training sessions for both staff and residents, and each partner co-ordinates and promotes tailored energy advice services for residents.

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From energy performance certificates to building stock monitoring



How can we use Energy Performance Certificates for buildings as a data source for monitoring? With this question in mind, experts from 12 European countries participating in the DATAMINE project met recently in Bath, UK. The project team starts by developing a harmonised

data structure, which is necessary to evaluate and compare countries with each other. This will be followed by the launch of model projects in 12 countries which will enable the DATAMINE partners to learn more about different data collection methods and monitoring schemes.

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An electronic tool to support energy performance certification

e-tool

The E-TOOL project team has now almost completed the testing of its energy saving tool in different building categories in 6 European regions. The E-TOOL uses measured energy to calculate and determine energy saving measures and payback times. The overall aim of the project is to develop and demonstrate a simple and efficient tool. Partners from other projects are thus invited to contact the E-TOOL team for exchange of information.

The team will also develop a database with typical energy consumption data and energy saving measures to support comparison and benchmarking. Infrared technology has been applied during the relevant surveys in Denmark.

Finally, the E-TOOL partners prepare currently workshops in Slovenia and Greece.

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Intelligent metering + changed habits = energy-savings



In order to identify suitable energy-saving measures, the 'Intelligent Metering' team is currently monitoring the energy and water use in 70 local authority buildings in Austria, Denmark, Germany and the UK, including offices, schools, sports/leisure facilities and community centres. In parallel, the project partners are providing training to building users, showing them how they can save energy at little, or no, additional cost.

Information on the training package developed in the project, intelligent metering graphs for the monitored buildings, and the second project bulletin are available on the project website.

The final project meeting, which will include dissemination of results, is being planned.

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KeepCool toolkit available

In order to facilitate sustainable summer comfort strategies in buildings, the KeepCool project team published a toolkit for building owners on the project website. It guides its users through the KeepCool series of reports on sustainable cooling, providing easy-to-understand summaries, detailed information, and links to additional material from other projects.

Beside building owners, the toolkit offers a wealth of more specific information for technical consultants, operation and maintenance staff and building users, such as calculation tools, operation and maintenance issues, or individual adaptation strategies to avoid summer overheating.

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How to stay informed about the Buildings Directive

The Webzine of the "Concerted Action" on the European Buildings Directive, a co-operative project carried out by EU Member States, continues to be a key source of information. Apart from updates on the national follow-up processes to the Directive, it provides also updates on relevant projects, events and publications.

 www.epbd-ca.org



launched earlier this year.

 www.buildingsplatform.eu

You should also have a look at the new Newsletter of the The "EPBD Buildings Platform", an information service to help implement the Directive, which the European Commission

Energy-efficient products and equipment

Towards more energy efficient lighting



The EnERLIN team has collected national market data concerning compact fluorescent lamps (CFLs), which are currently being analysed and consolidated. A first scenario of energy consumption for lighting in residential sector is established and will be refined in the next months. Launched in early 2006, the project aims to increase the use of CFLs in the residential sector across Europe.

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Appliance Energy Labelling - how to use it



The CEECAP team published in May 2006 „Energy Labelling: How to use it for your benefit? -

Training Program for Domestic Appliances Manufacturers, Dealers and Retailers" and „Energy Labelling for Domestic Appliances, Training Program for National Government Officials and Experts". Both publications help public authorities as well as appliance retailers and manufacturers to use energy labels for the benefit of their customers and for promoting energy efficient appliances.

The CEECAP project concentrates on the implementation of EU policies on appliances in Central and Eastern Europe.

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Lighting your home efficiently



More than 250 families living in Orcasitas (Madrid) have received low-energy light-bulbs since the first PROEFFICIENCY pilot project in this Spanish town took off in March 2006. Led by ESCAN, and in co-operation with the local residents' association and the regional government of Madrid, the project partners organised also a conference on efficient lighting

and distributed leaflets and other information material. The energy savings achieved will be closely monitored.

PROEFFICIENCY involves partners from Austria, Germany, Poland, Rumania, Spain and United Kingdom. The project works with manufacturers, consumers and public authorities to promote efficient cooling and lighting products.

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Sustainable Energy Communities

BELIEF presents first Local Intelligent Energy Forums



case studies are in the pipeline.

The BELIEF website will soon feature descriptions of a series of Local Intelligent Energy Forums in Frankfurt and Munich (Germany), Modena (Italy) and Zoetermeer (Netherlands). Each of summary will set out the objectives, partners, methods, activities, benefits and recommendations, and more

Local actors from cities in the new EU Member States and Candidate countries are invited to find out more at the following workshops:

- 4-5 October 2006 in Warsaw (Poland, parallel to the European Conference of Municipal Energy Managers).
- 4-8 December 2006 in Bratislava (Slovakia) for participants from Slovakia, Czech Republic, Slovenia and Hungary

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Energy efficiency in industry

Take-off for SME energy checks in 5 countries



German E-Checkers visiting the bakery Tebart in Sonsbeck, Germany. Source: UZH

they conclude

Led by the German B.&S.U.mbH, the project team has during the past months trained more than 100 E-Checkers and created a special Excel calculation tool to help them quickly identify, analyse and evaluate the energy consumption of the SMEs. A demo-version of this tool is available on the project website.

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How can SMEs manage and benchmark their energy use?

www.bess-project.info



(SMEs). It consists of a suite of online instruments, which allow companies to manage their energy use and to compare their energy efficiency data with international peer groups. Since August 2006, the complete E-learning Scheme is available on the project website. The project concentrates

The BESS team is currently testing in 65 companies from 11 countries its E-Learning Scheme for energy management and benchmarking in small and medium-sized enterprises

initially on enterprises from the food and drink industry, introducing them step by step into the new method.

For those interested: the BESS partners plan to demonstrate and discuss their project results at a European Workshop during the Energiesparmesse Wels, Austria, on 1 March 2007.

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Energy supply at lower cost in the food and drink industry

A publicly accessible on-line database of polygeneration applications in the European food and drink industry has become available on the OPTIPOLYGEN project website. Grouped by food sector and country, it contains technical data, details of consultants and manufacturers.

The project team has also determined how much energy and CO2 polygeneration using both fossil fuels and renewables could save in the food industry.



A savings calculator, together with guidance and training materials and the autumn schedule of the upcoming information and training events in several European countries are equally available on the project website.

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Design fundamentals for energy efficiency in plastics processing

Eight fact sheets on design fundamentals for energy efficiency in plastics processing can be downloaded from the RECIPE project website. The fact sheets highlight how best practice



and the adoption of new technologies can reduce energy consumption in the plastics industry significantly. They include case studies and

focus on good practice and design aspects, such as improved control strategies, water as refrigerant, software packages for minimising energy consumption in plastics moulding, and optimised water loop design for energy savings.

The RECIPE project provides the European plastics processing industry with the tools, knowledge and justification to reduce energy consumption and become more competitive.

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Cogeneration

Cogen Challenge reaches new milestone



More than 200 small-scale cogeneration installations from 13 European countries have been registering in the public database of the COGEN CHALLENGE campaign since the campaign start in February 2006. The installations listed cover a broad variety of users with heat and electricity needs, such as private homeowners, hospitals, hotels, SMEs, industrial sites and many others. As reported in Intelligent Energy News 3, COGEN CHALLENGE aims to collect 1000 examples from across Europe to demonstrate the feasibility and adaptability of this highly efficient energy conversion technology, and to promote its wider use.

If your small-scale cogeneration unit is not yet in the database you can go to the project website and register your project.

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New reports on district heating and cooling



The ECOHEATCOOL team has issued two reports to reflect on the use of district heating and cooling as an effective way of increasing energy efficiency, reducing import dependency and contributing to the Kyoto commitments of Europe. The project team will now formulate strategic recommendations for decision-makers and organise two workshops in Brussels (10 October and 5 December 2006) to present and discuss the project findings.

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Renewable energy sources

Supporting joint-investment in photovoltaic plants



The partners of the deSOLaSOL project would like to exchange knowledge with persons having experience with joint investments in grid-connected photovoltaic plants, the main focus of the project. The joint-investment model allows many persons with limited capital to participate directly in the renewable energy projects and to spread the word. In order to make the whole process easy for would-be investors – such as individuals, small organisations and enterprises etc. – the deSOLaSOL partners plan to develop suitable information materials and handbooks.

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Austrian Training Event on Local Value Chains for Renewable Heat



National and EU policy makers, local politicians, local energy advisors and others are invited to attend a 1-week training course on "Establishing local value chains for renewable heat" in the Renewable Energy Center in Güssing, Austria, from 13-15/17 November 2006 (optional 3 or 5 days). Participants will learn about opportunities to create local value chains for renewable heat, how to establish public-business-citizen partnerships, and how to successfully develop and run small and larger biomass heating projects. This training week is part of the ELVA project, which also seeks to develop new business opportunities in value chains related to renewable heat, such as forestry, agriculture, tourism and manufacturing in local communities.

Registration at 🌐 www.bioheat.info or 🌐 www.ieepprojects.net/news.html
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Joint EUBIONET event on bioenergy markets



The EUBIONET II team organises a seminar on developing bioenergy markets, focusing on the forest sector and Russia, together with Lappeenranta University of Technology, IEA Bioenergy Task 40, Tekes and ClimBus Technology Programme. The seminar will be held in Lappeenranta, Finland, on 24–25 October 2006. It will offer information and perspectives on bioenergy markets covering the status quo and future opportunities and challenges. Both academic and company perspectives on the development of bioenergy markets will be given with a geographical focus on North-West Russia and the Baltic Sea Region. After the seminar, the EUBIONET partners will organise a two-day bioenergy study tour to St. Petersburg (25–27 October).

More details and registration 🌐 www.lut.fi/nordi/overview/seminar2006.html

E-TRACK team publishes results of the second consultation round

The E-TRACK project tries to develop the blueprint for a European-wide standard for tracking electricity attributes, such as CO₂ emissions, nuclear waste, efficiency etc. taking into account system requirements set by market players and by EU and Member States' legislation.



The project team is currently working on the technical and non-technical requirements for a tracking system, and a detailed cost-benefit analysis is being developed. Project stakeholders used the second consultation round, which was completed in each country over summer, to provide interesting

feedback (see project website). The results will serve as input to refine the approach of the E-TRACK project. A third consultation on the final outcome is scheduled later this year.

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Heat storage makes the difference

PREHEAT

The next PREHEAT workshop on heat storage will take place on 2/3 November 2006 at the Solar

Info Centre in Freiburg, Germany. Heat storage technology is vital for all applications of renewable heat. However, it is by its nature a rather invisible technology and specific support to promote its wider use is currently missing. The Freiburg workshop is one of a series of workshops organised by the PREHEAT team across Europe in order to determine the best approach for increasing the application of heat storage. More details are available on the project website.

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Biofuel for heating and cooling in Southern Europe



Recent analyses conducted in the framework of the BIO SOUTH project point to significant forest and wood industry residue stocks in Spain and Italy as a potential source of energy for heating and cooling. The project team plans to present its conclusions to regional forest administrations and other key actors in January 2007 at a conference in Pamplona, Spain. It is hoped that this event helps remove some of the barriers, which currently prevent energy generation from solid wood residues in Italy and Spain.

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Virtual market places for renewables

The webpage of RES MARKET PLACES has been updated with the most recent project results, including a series of virtual market places in each participating region and the outputs of a series of seminars and conferences



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Biofuels

Planning the road ahead for biofuels

A draft roadmap for the development of biofuels in the EU up to 2030 has become available on the website of the REFUEL project. It indicates the key topics which a final road map needs to address and it sets out how the project team will approach the different components, including outlines of the final figures and tables the team plans to produce. By subscribing to the site interested parties will be informed when new draft results are ready for consultation.

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Towards alternative fuels and green fleets

The SUGRE team has completed its analysis related to green vehicle fleets and alternative fuels in Europe. On fuel qualities, low blending and the use of biofuels with additives such as ETBE (ethyl-tertio-butyl-ether) appear currently to prevail,



whilst compressed natural gas (CNG) seems to be on the advance. Sweden has taken the lead in Europe with the introduction of the E5 and E85 fuel standards. Still, many governments will need to

revise current financial and regulatory frameworks if engines and vehicles with the capability to run on various alternative fuels are to penetrate the market. A wide range of information and materials on these themes can be found on the SUGRE website, which also features an animation promoting alternative fuels which you may want to download for your campaigns.

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Transport

Optimising bus transport



The STARBUS team will present its first findings on energy and environmental aspects of urban buses at the conference of the International Union of

Urban Transport (UITP) in Bilbao, Spain (18-20 October 2006) and the "International Sustainable Development Fair" in Lisbon, Portugal (9-10 November 2006). The project partners develop a comprehensive method to assess bus transport from an energy and environmental perspective. The aim is to provide decision-makers from industry, bus fleet managers and public authorities with an information tool that helps compare different scenarios and thus optimise urban bus transport. The key focus so far was on the overall approach, individual parameters, and methods of measuring.

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www.starbus-project.eu (under development)

Bicycle Policy Audits



framework of the BYPAD project during September 2006 in Graz, Austria.

BYPAD-auditors are consultants, staff members from universities or institutes with good knowledge of the local, regional and national framework conditions for cycling. Their task is to guide and advise cities and regions as neutral process supervisors to implement BYPADs and to develop an action plan for bicycle policy audits.

The project has so far set up a platform of 34 BYPAD auditors in 20 countries.

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Energy and transport training in Bulgaria

Bulgarian energy agencies, NGOs, local and national administrations had the opportunity to deepen their knowledge of alternative fuels, new vehicle technologies and mobility management at a 1-day training session organised by the e-ATOMIUM team in Sofia in June 2006. The event was prepared with the support of the Bulgarian e-ATOMIUM partner ABEA and the Municipality of Sofia. The high degree of satisfaction of those present clearly indicated that the e-ATOMIUM training approach could be adapted without difficulty to various European countries. It also became evident that there is a considerable need for more training on energy and transport topics in Bulgaria.

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Change your driving habits and save on your fuel bill

The TREATISE project has produced three reference manuals, each in 8 different languages, an ecodriving simulator, a downloadable fleet management tool, and a web-based modal shift carbon calculator. All these products can be viewed, downloaded or ordered from the project website.

An ecodriving trainer developed by TREATISE was one of the main attractions of an information stand staff of the European Commission in the Commission's Berlaymont Building in Brussels during the European Mobility Week in September 2006.

The ecodriving trainer will be used by the TREATISE partners to provide free training for energy agencies. In addition, the

ECODRIVEN project will use it to target drivers of passenger cars delivery vans, lorries and buses in 9 European countries.



The TREATISE team concentrates now its efforts on further training activities, in addition to workshops already held in all 8 countries participating in the project (Austria, Belgium, Finland, France, Greece, Netherlands, Spain, UK). The level of participation is already now greater than was initially expected for the duration of the whole project until its close in June 2007. The remaining time will thus be used to run additional training sessions and to establish local transport projects in conjunction with people that have received TREATISE training.

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Financing mechanisms for intelligent energy

Guaranteed energy performance through enhanced dialogue



The second EUROCONTRACT dialogue session with the Energy Service Company (ESCO) industry took place on 27 September in Prague, Czech Republic, in the frame of the ESCO Europe 2006 conference. Part of the EUROCONTRACT method to develop the market for "Energy Performance Contracting" entails enhanced dialogue with market actors. Some 50 participants discussed the project approach and current status, and project opportunities arising in the participating countries. There was also debate on the integration of refurbishment measures in energy performance contracting projects, and the EUROCONTRACT proposals on this matter. The project received very positive and encouraging feedback. EUROCONTRACT was presented as a "project of the month" in Intelligent Energy News 2 one year ago, and more details can also be found on the project website.

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OPTRES workshop on renewable energy financing - 12 October 2006



A workshop on "Renewable energies in the EU up to 2020 - current markets, future scenarios and the role of project developers and investors" will take place on 12 October 2006 at the European Bank of Reconstruction and Development (EBRD) in London. Organised by the OPTRES team, the workshop will identify crucial issues, opportunities and risks related to the development of renewable energy in the context of relevant European policies. Investors, project developers, policy-makers and scientists will present their assessments and views on key success factors, risks and barriers.

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🌐 www.optres.fhg.de/events/workshop-2006-10-12/workshop.htm
(workshop) www.optres.fhg.de (project website)



Distributed Generation

Grid planners should consider distributed generation

Distribution network operators do only occasionally consider distributed generation (DG) as an alternative to investments into the extension or reinforcement of electricity networks, a new report issued by the ELEP project points out. An important reason for this neglect is the lack of incentives to systematically explore DG in this way. National regulators in the EU should hence develop suitable methods of including it into the assessment of the network tariffs which grid operators

can charge to customers. The development of better models to

evaluate the benefits of distributed generation would help speed up this process. The ELEP report is available on

 www.elep.net/files/ELEP060531_WP2_D2-2_v1.pdf

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 www.elep.net

ELEP

European local electricity production

Sustainable energy in developing countries

Electrification with microgrids and renewables



The MICROGRIDS project kicked-off with a training course in Bidart (France) in June 2006. The programme included all the subjects required for the development of the project: microgeneration, renewable energy sources, electric resources management, energy storage systems, electric energy converters, economics of renewables and microgrids, codes and standards, development politics and project examples. The event was completed with a series of visits to energy facilities, including a complete microgrid installation.

A two-day training in Dakar in July 2006 followed the kick-off meeting. The project team plans now to study the needs for rural electrification in Senegal.

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SIE-Afrique: raising awareness within UEMOA

SIE-Afrique

In collaboration with the Monetary and Economic Union of West Africa (UEMOA), the SIE-Afrique team organised a seminar on energy information systems (EIS) at the UEMOA headquarters in Ouagadougou, Burkina Faso, in May 2006. Of the 8 UEMOA member states, Benin, Niger, Senegal and Togo have already, or are in the process of developing, an EIS. Burkina Faso, Ivory Coast, Guinea Bissau and Mali - which do not take part in the current SIE-Afrique project - are not yet at this stage. Yet, their participation at the seminar was a first step towards a future EIS project based on the "SIE-Coaching" method developed by SIE-Afrique partner Econotec. The seminar helped also adopt the conventions for developing energy balances of the International Energy Agency and OECD.

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Training for energy efficiency in Sub-Saharan Africa



Having started in early 2006, the EETT project team organised already 9 training sessions for energy managers in Sao Tome in August 2006. In parallel, work on an assessment of training needs in the four target countries of the project - Cap Verde, Angola, Mozambique and São Tomé & Príncipe, all in sub-Saharan Africa - is making good progress. EETT stands for "Training of Trainers on Energy Efficiency". The project sets the foundation to establish energy manager training centres and spread energy saving practices.

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Image: Training session in Sao Tome

New ENABLE outputs

The report from the ENABLE Regional Consultative Workshop held in March 2006 is now available to download from the project website. Five case studies on renewable energy for health, water and education services in Uganda, Kenya, Tanzania and Senegal have just been completed and are also available to download. Standard Energy Packages and Energy Guidelines have now been developed for each of the sectors for Uganda, Kenya and Tanzania and will be presented to stakeholders this coming autumn. Newsletter 4 will be also published this autumn, with previous newsletters available from the website.

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Image: Collecting water from a solar powered pump in Senegal. Photo:

Katerina Syngellakis, IT Power



Events supported by Intelligent Energy – Europe

For a full list of IEE-supported events go to http://ec.europa.eu/energy/intelligent/events/index_en.htm

29/01 – 02/02/2007

EU Sustainable Energy Week, Brussels, Belgium

 <http://www.eusew.eu>

- 29-31/01: European Renewable Energy Policy Conference
 www.erec-renewables.org/events/default.htm
- 02/02: Presentation of the Intelligent Energy - Europe II programme
 http://ec.europa.eu/energy/intelligent/index_en.html
- 31/01 – 01/02: (Sixth) Annual ManagEnergy conference for local energy actors
 www.managenergy.net/conference/2007.html
- EU conference on international co-operation on energy efficiency
- EU transport stakeholders' conference
- Energy Globe Award ceremony
 www.energyglobe.info
- And many other events.....

25/10/2006

Buildings Energy Efficiency in the Baltics. Advanced technologies and local experience (BENEFIT), Riga, Latvia

 www.rmsforum.lv/public

25-27/10/2006

BISE Forum. How to finance municipal energy efficiency projects and municipal energy networks in BISE countries, Riga, Latvia

 www.bise-europe.org


07-08/11/2006

Retrofitting of Social Housing: Financing and Policy Options, Thessaloniki, Greece

 <http://ec.europa.eu/energy/intelligent/events/doc/thessaloniki.pdf>

05-09/11/2006

Intelligent Energy for SMEs Forum 2006, Rimini, Italy

 www.ecomondo.com/en/Pagine/rim-dettaglio_programma.asp?Codice=2109&pad=../pagine/Rim-24-1667.asp

29/11 - 01/12/2006

EPIC 2006 - 4th European Conference on Energy Performance & Indoor Climate in Buildings, Lyon, France

 <http://epic.entpe.org>

Editorial Information

Intelligent Energy News is the quarterly electronic newsletter of the European Commission's Intelligent Energy Executive Agency (IEEA). The information contained in this issue may be reproduced.

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If you **subscribe to the News Alert Service** on http://ec.europa.eu/energy/intelligent/whatsnew/subscription_en.htm you will be automatically informed each time a new issue is published.

The newsletter is at your service. If you participate in the IEE programme and would like to inform others of your work you can send a contribution for the "News from IEE participants" section to Peter Löffler (peter.loeffler@ec.europa.eu). The maximum text length is 100 words. **The deadline for contributions for the next Newsletter is 1 December 2006.**

Intelligent Energy – Europe (IEE) is the European Union's programme for energy efficiency and renewables. It supports financially international projects, events, and local/regional energy agencies, which promote the smarter use of energy and the growth of renewable energy sources.

The European Commission's **Intelligent Energy Executive Agency (IEEA)** implements the IEE programme. With more than 40 staff, the IEEA is at the service of all IEE partners by managing the different projects and events funded under the IEE programme, and by disseminating the know-how and best practices which they produce.

More details on the IEE programme and on the IEEA can be found on http://ec.europa.eu/energy/intelligent/index_en.html