



NIMSEC

Novel and Integrated Model of Sustainable Energy Communities

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Local Energy Agency Pomurje



Universidad de Salamanca



Municipality of Karlovo



Regional Energy Agency of Pazardjik



Smart House Martjanci



Association of municipalities and towns of Slovenia



Regional development Agency of the county Međimurje



Končar - Kućanski aparati d.o.o

Končar-Household appliances LTD



Universidad de Burgos

Finalization of the project – the main results

Establishment of a solid partnership with ten participants. Partners expressed their commitment to the project objectives and expected results at the kick-off meeting by adopting and signing an internal Consortium Agreement and by adoption of Coordination, management and execution plan.



Energy audits performed in four participating territories. After collecting relevant available data, partners have elaborated a comprehensive analysis of the current energy situation in terms of energy consumption and production in broad sectors of activity. The comprehensive energy audits are presented in national languages and one common summary report was elaborated in English language. Moreover, collecting and analyzing the data for energy audits allowed partners to establish contact with different professionals, associations, local authorities and stakeholders active in the field and interested in future project collaboration.

Intensive communication and dissemination activities. The project has been presented in different European, national and local events and several specialized and general press published information about the project. Furthermore, the project website, considered as one of the major communication and dissemination tools.

SEC model – the prepared documents showed the starting points and indicated guidelines for the sustainable development of local communities. We presented the guidelines, or the content of the SEC model, to different levels of local / regional decision makers, who always accepted them as an indispensable document.

EE-corner – is an approach, which in all the regions showed to be highly effective, since the visitors were enthusiastic about the possibility of seeing the actual case and the parallel presentation of the effects, as well as compared to the other systems. The visitors came from different sectors, so we think that it was very important that a lot of young people visited the e-corner.

E-courses – the courses that were prepared in Spain managed to include the contents suitable for all the EU countries. Students, who have completed the courses, come from different countries. On completion the courses will be continued at the established platform. Like this it was also well prepared a very good promotional package for informing of participants.

↪ Workshops and Seminars - in all 4 countries the implemented events definitely helped to raise awareness on RES & RUE, on sustainable development of local communities and particularly to greater knowledge of experts, who participated in the events.

↪ Pilot approaches - from voluntary to commercial agreements, which represent a springboard for the rapid implementation of measures and implementation of the SEC model in the local communities.

5th Project meeting in Maribor, Slovenia



5th NIMSEC project meeting was held in Slovenia in Maribor from 14th - 15th June 2010.

The main point of the meeting was to make monitoring and the draw conclusions of the activities.

It was important that we reflect on the European added value that our project had as well as on the cooperation between the various countries participating. We also take this opportunity to explain what was expected from partners until the end of the project as well as clarify our contributions to the final technical and financial reports.

Success of the E-courses

The On Line Course on Solar Energy and Other Renewable Energies in Buildings started in January 2010 and finished in July 2010. The course program was in duration of 100 hours for those students with university degree in engineering or architecture and of 50 hours for those with other qualification. The previous work done in order to assist the advertising and registration process of the e-course was developed by the 4 core partners (LEA Pomurje, REAP, REDEA, APEC) in Slovenia, Croatia, Bulgaria and Spain. We have done an animation and we have 74 registered students in the e-course (UBUCampus-e) were the following: 13 students from Slovenia, 30 from Bulgaria, 17 from Croatia and 14 from Spain.

After the assessment process, 40 students of all nationals involved in the project have finished the course, which means 54% of the registered students, 24 of them in the higher level (60%) and 16 in the lower level (40%).



Smart EE corner in Spain

The exhibition “Casa Eficiente” has been set up by APEC and Soluciones Renovables with the collaboration of some enterprises (Electrolux, Eosolarsur, PHILIPS, Polanco, Ecoavantis, Meganet). The main topics shown in the exhibition are: household applications, energetic label, stand by and energy consumption monitoring, RES (biomass, PV, thermal solar), lighting and insulation, glazing, etc. It's installed in a room of 40m² aprox. in the Professor's Center in the city of Cádiz and it has been officially launched the 4th of November. Anyway visits have already started in June. In the exhibition visitors are able to:

- ↪ Analyze the energy saving they can get choosing efficient electrical appliances (class A).
- ↪ Realize the importance of a correct termical isolation and glazing.
- ↪ Compare the different lighting technologies according to their efficiency.
- ↪ Look at domestic renewable energy systems such as solar thermal collectors, solar photovoltaic panels, biomass boilers, etc.
- ↪ Know the impact of “stand by” mode in the electric bill.
- ↪ Learn best practices to save energy and decrease the energy consumption.



APEC has also organized guided tours to the Smart House. In these visits groups of 10 - 15 people received a talk about energy saving at home given by an expert from APEC. The average length of visits was 1 hour approx. During the project the exhibition received more than 48 visits.



Seminar »STEP FORWARD IN ENERGY SECTOR OF BUILDINGS«

The seminar was organized in joint cooperation of Slovenian partners of the NIMSEC project, from 23 to 24 March 2010, within the fair MEGRA. The general point of the seminar was to present the opportunity to experience the realization of approaches to achieve national and international targets on energy efficiency in buildings.

The presented content / purpose of the seminar:

- ↪ Preliminary analysis and benchmarking state analysis of energy consumption in public buildings
- ↪ Energy audits of residential facilities and major public and commercial buildings. Different ways of implementing an energy analysis of buildings, which are used in our region, will be presented: from simple energy consultancy to owners of family houses and typical content of energy audits for larger facilities through to the extended energy audits, which serve as an expert argumentation of concrete measures of energy transformation to the investor.
- ↪ Planning solutions to achieve energy-efficient constructions. How to achieve significantly higher energy efficiency in renovation of the existing facilities: What are the possible measures, what are the typical solutions? How to ensure the effective use and integration of renewable energy sources in the area of new buildings in the planning phase? Can our renovated or new facility actually consume less energy for heating than an average building?
- ↪ Energy renovation of facilities SB MS as an application for the joint invitation of the Ministry of Economy and Ministry of Health for the first tender under the "Operational Programme for Environmental and Transport infrastructure for the period 2007 - 2013", "Sustainable use of energy"-1. priority policies: "Energy renovation and sustainable construction of buildings "
- ↪ Energy renovation of individual houses - financial and energy frames (photovoltaic power, exterior insulation, windows, doors and lighting).
- ↪ Heat pumps - a meaningful solution, typical problems and how to avoid them.
- ↪ Interior insulation, renovation of old buildings.
- ↪ Ventilation of buildings - sensible solutions, typical problems and how to avoid them.
- ↪ RES and RUE measures in the Primary School Puconci
- ↪ Presentation of the overall concept of the transition to energy-efficient primary school with the implemented procedure of roof rent to install solar power station by the investor.