



## Newsletter n° 1



Local Energy Agency Pomurje



Soluciones Renovables



Universidad de Salamanca



Municipality of Karlovo



Regional Energy Agency of Pazardjik



Smart House Martjanci



Provincial Energy Agency of Cadiz



Association of municipalities and towns of Slovenia



Regional development Agency of the county Međimurje



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### PROJECT SUMMARY AND OBJECTIVES

**SUMMARY**

The NIMSEC project focuses on improving and surpassing the local level energy efficiency, and increasing the overall share of renewable energy production. This is to be achieved through a series of broad, sequential, and all encompassing actions aimed at creating a novel, pro-active and broadly supported type of Sustainable Energy Communities (SEC from hereon). These will, in turn, permit to bring down the local market, training and awareness barriers and penetrate different sectors, from the local administrations over to industrial and/or agriculture sector as well as the general public.

To do so, the project will be carried out in line with 5 strategic objectives (set out in a logical sequence).

**GOALS**

- Exhaustive energy balance analysis of the participant territories (Spain, Slovenia)
- Formulation of a novel SEC model based on concrete energy efficiency measures and pilot initiative involving Smart Energy Efficiency Houses/Corners.
- Implementation of concrete market measures in each of the three strategic areas: local administrations, industry/agriculture and general public.
- High profile pilot actions in the field of energy efficiency and renewable energy.
- Supporting promotion and training initiatives.

### EXPECTED RESULTS

The expected **end result** will be fulfilling and surpassing the EU Commission's energy related goals, especially those expressed in the Green Paper and Agenda 21. **Short term wise**, this will be evidenced through a set of integrated and energy related local initiatives carried out within the project. Its chief impact will be a creation of 4 fully functional **SEC** across as many EU member countries as possible, reaching directly a dozen and indirectly well over 200 local administrations. **Medium to a long term**, the participants hope to obtain a 20% decrease in the consumption of classical energy sources, with roughly an identical increase in the RE production, especially through the mentioned pilot actions in the buildings and agriculture sector.



## ACTIONS DEVELOPED SO FAR . . .

### KICK-OFF MEETING

The official start of the NIMSEC project was marked by the kick off meeting in Martjanci, Slovenia organized by the Project Coordinator, LEA Pomurje. Representatives from partners assisted the meeting thus reaffirming the mutual responsibility and dedication to the success of the project. The Consortium Agreement was signed between the ten Partners and different presentations were made regarding the technical and financial aspects of the project. All of the partners expressed their full commitment to the satisfactory development of the tasks assigned to them and to collaborating with the other partners.



All partners have agreed that communication and cooperation is the key to a successful outcome, reaching the NIMSEC Project Goals.

The Kick-off meeting was used to establish the dynamics of all the follow-up meetings that will be organised throughout the duration of the project.

### WEB-PAGE

One of the main tools of communicating the Project, its website, has been designed and is now fully operating. The website contains all the information relating to the project and the activities, events and news related energy, as well as photos, interesting links, etc.

<http://nimsec.info>





## THE CURRENT SITUATION

The energy is a basic and strategic source that can be easily found in the agenda of each country and/or world region.

Europe and the United States, being what they are – among the biggest consumers in the world, are the principal regions interested in the strategies intended to reduce their dependency and energy bill by adopting policies based on fomenting the using of renewable supply sources, fomenting the power efficiency and by investing in the investigation and development of new technologies.

The participants in the NIMSEC project and the countries to which they belong to are not exempted from this situation. Quite to the contrary, we have an even greater reason to be restless: an elevated degree of energy dependency – no lower than 50%, glass house emission levels superior to those stipulated in the Kyoto Protocol, and an elevated energy consumption.

## THE SHARES IN THE PRIMARY ENERGY PRODUCTION

SLOVENIA	
Energy source	%
Fuel oil	30,26
Wood	30,98
Coal	0,90
LPG	0,88
Natural gas	12,53
Geothermal	2,94
Solar energy	0,02
Heat pumps	0,30
Electricity	21,19
<b>TOTAL</b>	<b>100%</b>

SPAIN		
Source		% over the total
Crude oil		49,0%
Natural gas		20,9%
Coal		12,6%
Nuclear		10,8%
Renewable	Biomass	2,9%
	Hydro	1,6%
	Wind	1,3%
	Bio-fuels	0,4%
	R.S.U.	0,3%
	Biogas	0,2%
	Solar thermal	0,05%
	Solar photovoltaic	0,03%
	Geothermal	0,01%
	Total renewable	6,8%
Other residues		0,1%
Electrical balance		-0,2%

BULGARIA	
Energy source	%
Nuclear energy	45
Coal	40
Biomass	7
Crude oil	4
Natural gas	4
<b>TOTAL</b>	<b>100%</b>

CROATIA	
Energy source	%
Hydro power	27.9
Wood	8.2
Crude oil	18.6
Natural Gas	45.2
Renewable	0.11
<b>TOTAL</b>	<b>100%</b>




# NIMSEC

Novel and Integrated Model of Sustainable Energy Communities


## HOW WILL NIMSEC HELP?

- **Reinforce the National, Provincial and/or Local Energy Agencies and entities** that take part in this Project in order for them to function as promoters of the initiatives and measures established in this Project.
- **Carry out energy audits in all the administrative buildings and facilities** (local, provincial, national) in order to optimize their energy consumption by applying measures of energy savings and efficiency, and when applicable, incorporate the renewable energy resources **that should be set as an example for the rest of activities and sectors.**
- **Carry out promotion and awareness campaigns regarding the different techniques of efficient energy use and the use of renewable energy** through the use of the communication channel between the partners and the end users stipulated in the project.
- **Carry out structural actions**, for which it is necessary to create an informative database that, will provide accurate information in order to be able to apply the measures that will improve the global energetic situation.

**Novel and Integrated Model of Sustainable Energy Communities**






**NIMSEC**  
Novel and Integrated Model of Sustainable Energy Communities


Intelligent Energy  Europe


[www.nimsec.info](http://www.nimsec.info)


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