



CHAMBRE DE COMMERCE
ET D'INDUSTRIE DE LA DRÔME



European projects in Drôme :

Developing the territory through
sustainable and innovative energy solutions



Innovative Solutions for a Sustainable Territory
Drôme Chamber of Commerce and Industry _ 20th of June
2012





July 2010 - November 2012

www.scoremed.eu



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Objectives

Providing effective strategies & tools

- to improve policy making and implementation for energy efficiency in the buildings sector, in Mediterranean areas

Consortium

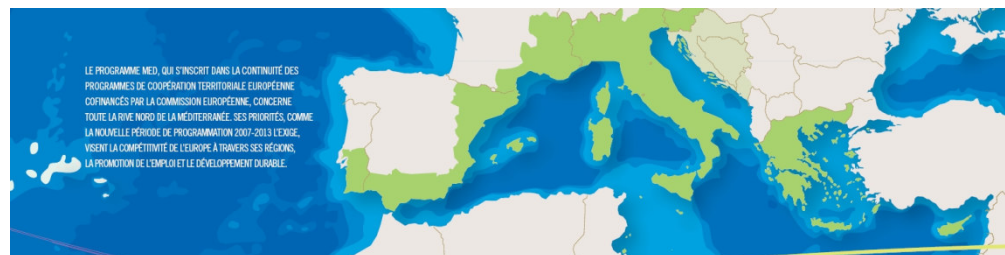
Lead Partner:

- Province of Savona (ITALY)

Project Partners:

- Region of South Aegean (GREECE)
- Read S.A. (GREECE)
- Local Energy Agency Pomurje (SLOVENIA)
- Agência Regional de Energia do Centro e Baixo - Alentejo (PORTUGAL)
- Official Chamber of Commerce, Industry and Shipping of Seville (SPAIN)

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- Rhône Chamber of Crafts (FRANCE)
- Development Company of Kefalonia & Ithaki S.A. - Kefalonia (GREECE)
- Chamber of Commerce and Industry Drôme (FRANCE)
- Cyprus Chamber Of Commerce and Industry (CYPRUS)
- Chamber of Commerce & Industry Marseille Provence (FRANCE)



Target groups

- Decision makers
- SMEs
- General Public

Deliverables

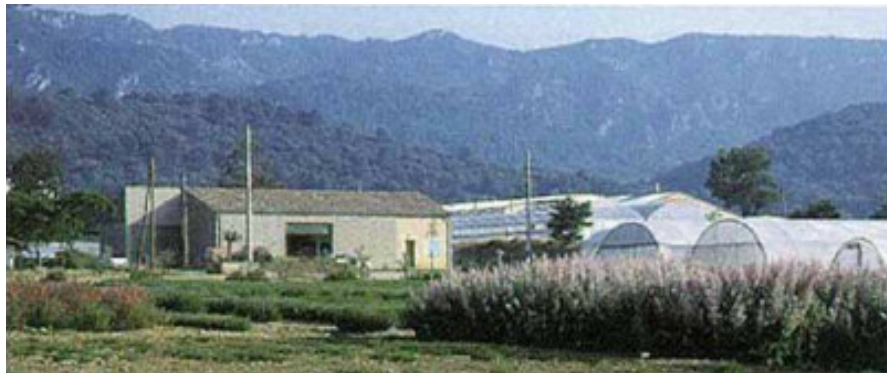
- A catalogue of of good practices: 30 case studies of exemplary buildings (renovation and new buildings); 3 case studies in Drôme
- An audit tool for energy-efficient building practices : analysis by topic, technology and building type
- Guides of regulations and laws in relation to the SCORE topic

An analysis tool

	ITALY	GREECE	SPAIN	FRANCE	SLOVENIE	CYPRUS	PORTUGAL
THEMES <i>This matrix is an eco-construction tool aimed to allow local planners and building practitioners to use criteria to make energy-efficient choices newbuild, conversion & renovation/retrofitting.</i>	DECLINATIONS						
	New constructions						
					Requalifications of recent buildings		
					Renovation and refit works of historical buildings		
					Works "ex novo" in historical contexts		
Aggregation/exposure for micro-climatic control	■	■	■	■	■	■	■
Passive solar	■	■	■	■	■	■	■
Solar thermal collector	■	■	■	■	■	■	■
Photovoltaic	■	■	■	■	■	■	■
Small wind turbine	■	■	■	■	■	■	■
Biomass	■	■	■	■	■	■	■

An evaluation model to assess the feasibility, sustainability and transferability of energy efficiency practices in MED territories (available on www.scoremed.eu)

Case Studies



The CRIEPPAM is a research centre for testing fragrant, aromatic and medicinal plants.

This project was designed as a showcase for producers: a building with a wooden framework insulated with lavender straw (by-products from local agriculture).



Case Studies



The new Mazan community centre is **a project born in Provence**, that meets climatic (sun, wind, rain) and cultural needs.

Designed with careful attention to environmental restrictions, it defines and enhances the location with a minimum amount of sophisticated effects (simple and natural) and materials.

Because of the strength of the wind and intensity of the sun, a durable architecture was needed that blends in with the light intensity of the site, the soil and the reflections of the plant life.

Case Studies

Montaulieu, in Drôme Provençale is located near to Nyons. The village council decided to redevelop a meeting room located above the town hall premises.

The elected representatives aim to make this a **project that leads the way in terms of environmental considerations**, while preserving the character of this rural building. The renovation will employ eco-materials; renewable energies will provide all of the building's energy requirements: automated wood-fuel heating, solar-powered electricity supply. Educational aspects will be emphasised.

The climatic situation

Montaulieu is located at an altitude of 500 m, at latitude 44.21 N, in an H2 climatic zone

The climatic conditions are relatively harsh. Temperatures drop to -8°C in winter (basic outdoor temperature) [-21°C (minimum daytime temperature)], and climb up to 38°C in the summer.

The day/night temperature difference is significant, thereby allowing buildings to be cooled simply by ventilating the rooms at night.



Guide on Regulations

A report on the legislation framework for energy efficient construction and renovation in Mediterranean areas (available on www.scoremed.eu)

With 46% of national consumption, and 25% of green house gases emissions, building trade is an overriding sector in order to achieve an efficient energy policy.

1. Energy and regulation: context

1.1 European law

Directive n°2002/91/CE of the European Parliament and of the Council of 16 December 2002 on **the energy performance of buildings** has set a common framework designed to promote buildings global energy consumption performance.

This directive has been recast by directive n°2010/31/UE of the European Parliament and of the Council of 19 May 2010 dealing with building energy performance, which provides higher requirements and specific dispositions for the improvement of existing buildings. It specifies:

- ✓ A calculation method for the integrated energy performance of buildings;
- ✓ Energy performance minimum requirements for new buildings and existing buildings, if there are major renovations. New buildings will be powered by renewable energy, heat pumps or

Thank you for your attention

More information at:

www.scoremed.eu

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