

RESPIRE

Renewable Energy Sources, Promotion and Integration for the sustainable development of Insular Regions of Europe

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RESPIRE is a **global strategic initiative** taken at the level of **seven European countries** in order to reach **100% of RES** in the electricity consumption of the insular territories of the Union.

The purpose of the project is to increase the current share of electrical consumption covered by RES within **5 islands**, belonging to 3 member states, to almost **55%**, in order to reach a critical threshold and to provide the guidance demonstrating the feasibility of the **100%** target.



In order to reach this ambitious goal, the project will develop **innovative tools** and implement **demonstration plants**, involving **innovative technology** in the field of grid integration, production and consumption management, storage, simulation and strategies of dimensioning

for a high percentage of RES and monitoring. The **approach will be global**, including **social** and **economic** work, along with an analysis of **non-electrical** issues.

All together, an **additional RES capacity of 4 MW** will be installed, including wind and multi-sources integrated hybrid systems (incl. wind, photovoltaic and biomass).

The yearly production of RE electricity will exceed **12 GWh/yr**, representing **9000 Tons of CO2** emission reductions.

When RESPIRE arrives to its implementation phase, it will **pioneer** the global **European RES development** policy. While the EU stands by its objective of 12% in 2010, the RESPIRE network of islands will reach an average of 55% in 2005, and hopefully 100% before 2020.



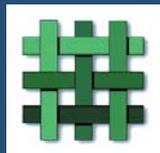
The **results** obtained will be widely disseminated, in order to promote the achievements of RESPIRE, among the consortium itself and through **existing island networks**. Implementation strategies will also be developed in the direction of **third world countries**.

Project Coordinator

- ◆ Enel Green Power, Italy
- supported by**
- ◆ ETA-Renewable Energies, Italy

Main Partners

- ◆ ADEME, France
- ◆ ICCS/NTUA, Greece
- ◆ Whitby Bird, UK
- ◆ INESC, Portugal
- ◆ WIP, Germany
- ◆ ICAEN, Spain
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