Green Energy for Islands

From 2013-05-01 to 2015-04-30, closed project

Project details

| Total cost: | EUR 161 968,80 |
| Coordinated in: | Greece |

| EU contribution: | EUR 161 968,80 |
| Topic(s): | FP7-PEOPLE-2012-IEF - Marie-Curie Action: "Intra-European fellowships for career development" |

| Coordinated in: | Greece |
| Call for proposal: | FP7-PEOPLE-2012-IEF |
| Funding scheme: | MC-IEF - Intra-European Fellowships (IEF) |

Objective

"Anthropogenically induced climate change is one of the most important problems the world faces today. Harmful greenhouse gas emissions must be decreased significantly in order to account for increases in the population and energy demand. Under the Europe 2020 flagship initiative for a resource-efficient Europe the Energy Efficiency Plan was adopted with the following priorities: (1) an economy that agrees with the planet’s resources, (2) low carbon systems, (3) improvement of EU energy independence and (4) improvement of the security of energy supply.

Renewable energy resources satisfy all goals set by the European Union. They are abundant in nature and can provide energy generation with minimum emissions, while contributing towards energy independence and better security. Nevertheless, their application and adoption in communities is relatively slow. Social awareness can induce the active participation of the public in the reduction of energy consumption and the promotion of new technologies that can lead to more sustainable living.

In Green Energy for Islands (GENERGIS) social issues will be coupled with local politics, energy policies with engineering practices and environmental benefits with economic considerations. This project aims to analyze the energy situation of an island in the Mediterranean and plan its transition towards energy sufficiency based on renewable resources. In contrast to most projects realized until today, GENERGIS will (1) greatly involve the people of the community in the decision-making process and raise public awareness, (2) involve local regulative authorities of the community, (3) perform more detailed technical calculations through simulations, as well as exhaustive economic and environmental analyses, and (4) propose a concrete energy plan for transitioning to 100% sustainable living. Additionally, it aims to create the first guide for sustainable development based on political, social, environmental and economic data."

Related information

| Result In Brief | The problems of island power |
| Report Summaries | Final Report Summary - GENERGIS (Green Energy for Islands) |
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Subjects
Scientific Research

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