

BIO-SOUTH

Techno-economical assessment of the production and use of biofuels for heating and cooling applications in South Europe

Project Description

The use of solid biofuels for heating application has reached an important stage of development in Nordic countries and some others countries in Europe (Finland, Sweden, Austria, Denmark, France and Germany). However, in south Europe, although there is an important potential in some regions, the use of solid biofuels is very scarce and there is not a well established biofuel market (Spain, Italy,...).

In order to take advantage of this potential, it is necessary to transfer technologies, methodologies and experiences from countries where the heating biofuel market is more developed to the southern regions and get them adapted to the local market conditions. The selected consortium and the project management strategy will assure this information, knowledge and experiences transfer.

The project intend to carry out a techno-economical assessment of the whole biofuel utilization cycle, from collection to heat production, in two pilot regions of southern Europe with an important potential for solid biofuels (Navarra in Spain and Tuscany in Italy), in order to identify the barriers for bio-heat development and to propose efficient measures to overcome them by using and adapting the experiences of countries where biofuels have reached a significant market share.

Expected Results

- ◆ Demonstration of the feasibility of forest biomass logistics and utilisation for heat generation in Navarre and Tuscany;
- ◆ To make local actors (governments, municipalities, forest land owners, forest companies, wood industries, associations, ...) aware of the possibilities, benefits, technologies, methodologies and economics of the utilisation of forest biomass as fuel;
- ◆ Transference of Nordic biomass know how to Navarre and Tuscany;
- ◆ To make citizens aware of the biofuel heating potential and benefits in Spain and Italy;
- ◆ Dissemination of results to the whole Mediterranean Area of the EU.

Potential Impacts

- ◆ Creation of steady economical support policies and other political measures by the local governments (Navarra and Tuscany) to support the development of the biofuel heating local markets;
- ◆ Creation, in the regions under study, of organised collection and distribution paths for solid biofuels;
- ◆ Promote the use of biomass for heat generation in southern Europe;
- ◆ Contribution to the creation of new and stable rural employment in the forestry land for the collection of forest residues in southern Europe;
- ◆ Contribute to the reduction of carbon dioxide emissions (Kyoto protocol) in southern Europe.



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Contract Number

EIE/04/255/S07.38609

Duration

26 months

Global Project Cost

943,434 EURO

European Commission Contribution

A maximum of 471,717 EURO
equivalent to 50% of the Project Cost

EUBIA Contribution

EUBIA participate in this project to carry out dissemination of the project results at European level with activities such as distributing 2500 copies of a technical project brochure. EUBIA will also contribute, upon request of the Commission, to the development of online information systems as well as preparation of common presentation material.

Project Website

www.bio-south.com

Participants

- 1 CENER (Spain) - Coordinator
- 2 ETA - Renewable Energies (Italy)
- 3 EUBIA - European Biomass Industry Association (Belgium)
- 4 Municipality of Abetone (Italy)
- 5 University of Florence (Italy)
- 6 Energidalen (Sweden)
- 7 SOLÉ (Spain)
- 8 Namainsa (Spain)
- 9 EHN CR (Spain)
- 10 GARVN (Spain)
- 11 VTT (Finland)
- 12 Region of Tuscany (Italy)
- 13 ApE (Slovenia)
- 14 Iniciativas Innovadoras (Spain)

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