



# **SUMMARY SURVEY ON RES-e CONNECTED TO THE GRID IN ANDALUSIA**

**(RES-E REGIONS Contract Nº. EIE/04/234/S07.38605)**

The Sociedad para el Desarrollo Energético de Andalucía, Consejería de Innovación, Ciencia y Empresa, Junta de Andalucía, Society for the Energy Development of Andalusia, Regional Ministry for Innovation, Science and Enterprise, Andalusian Regional Government, (becoming in a close future Agencia Andaluza de la Energía, Andalusian Energy Agency) has developed a survey addressed to the Andalusian population, in the framework of the RES-E Regions: Boosting green electricity in 11 European Regions project.

SODEAN has arranged this survey with the collaboration of the Union de Consumidores de Andalucía-Unión de Consumidores de España (Andalusian Union of Consumers-Spanish Union of Consumers) in the eight Andalusian Provinces.

The **aim** is to make a brief questionnaire consisting of six questions to obtain a better knowledge on the Andalusian citizens' opinion on Renewable Energy Sources. We are enclosing the questionnaire with a brief summary, compiling the results by provinces, and the total Andalusian average results.

The **methodology** employed on this survey is based on the following actions:

- a) Telephone interview by technicians of the Andalusian Association of Users and Consumers and by random choice.
- b) Face to face interview by technician members from the eight Andalusian Provinces of the Andalusian Union of Consumers and by random choice.
- c) Information provided through the web page by users who have answered and sent the questionnaire.

## 1. Target Audience

This survey is just addressed to Andalusian citizens, who are of age, living in the Autonomous Community of Andalusia, included both males and females and have any academic and professional background.

## 2. Size of the survey

The total sum of the developed surveys rises up to three hundred seventy five. We enclose the breakdown by provinces: Almeria (30), Cadiz (30), Cordoba (44), Granada (41), Huelva (38), Jaen (30), Malaga (40), Sevilla (122). A total of 375 surveys have been developed in 2004 in Andalusia.

## 3. Main conclusions

The results of the survey by provinces are, in general, homogenous.

According to the first given question “What sort of Renewable Energy Sources do you know? Solar energy is the source known by almost all the Andalusian population surveyed. According to the other RES technologies, it varies a little bit more by provinces. It highlights wind energy with an average knowledge of 82%. Finally, in a lesser degree, biomass and small hydro, with 46% and 13% respectively.

According to the second question related to the opinion of the Andalusian’s surveyed about the importance of the Renewable Energy Sources, the opinion varies by provinces more than in the previous question. It is worth noticing solar energy with an average of 93% of the Andalusian citizens. In second place, wind energy with an average of 45% (Cadiz, Almería, Málaga with more than 60%). And thirdly, biomass with an average of 12% and small-hydro with an index close to 2%.

Knowledge of the Prosol Program by the Andalusian citizens is close to thirty per cent, highlighting the provinces of Seville, Jaén and Huelva.

Referring to the fourth question, on the Andalusian citizens' opinion on the type of technology to be promoted by the Andalusian Administration, 90% of the population prefer solar energy, 35% wind energy, more than 10% biomass, and more than 3% small-hydro.

Less than 50% of the Andalusian citizens would be willing to pay more in their energy bills for using RES. More than 35% of the population would be ready to pay an additional 1.5% in their energy bill to use RES, and 17% of the Andalusian citizens would be willing to pay an additional 3%. However, only a minority is prepared to pay more than an additional 3% on their energy bill.

By ending this conclusion, it is worth mentioning that access to Renewable Energy Sources is mostly provided by the Andalusian Administration, Social Organizations and enterprises. Regarding how the Andalusian citizens receive information on RES, the press and television are highlighted.