

**RES-e Regions**  
**WP5: Specific technology promotion**  
**International Study Tour**

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**PLACE:** Seville

**DATE:** 16th – 18th October 2006

**PARTICIPANTS:**

Ing. Franco Zunino – Regional Energy Councillor

Dott. Renzo Castello – Director of Environmental Planning  
 Regione Liguria

Ing. Alex Sorokin – GIFl, Association PV producers

Dott.ssa Maria Fabianelli – Managing Director ARE Liguria

Ing. Silvia Moggia – ARE Liguria, Project Manager RES-e



**DESCRIPTION:**



The event, organized by *Agencia Andaluza de la Energía*, in collaboration with *ARE Liguria*, focused on aeolic, biomass (especially the participants visited a plant using pomace to produce energy) and PV and solar thermal.

The aim of the study tour was to transfer the know-how between the two regions and to introduce the participants to some innovative plants, because of the



technologies applied (for example in the case of the pomace plant) and the size of the plants.

**THE PROGRAMME:**

**16th October 2006 – Meeting and visit to a solar thermal plant**

**16.30-17.30 Meeting**

Participants:

Franco Zunino – Regional Energy Councillor

Renzo Castello – Director of Environmental Planning  
 Regione Liguria

Alex Sorokin – GIFl, Association PV producers

Maria Fabianelli – Managing Director ARE Liguria

Silvia Moggia – ARE Liguria, Project Manager RES-e

Francisco J. Bas Jiménez - General Director of Agencia  
 Andaluza de la Energía

Gonzalo Lobo - Director of Promotion and Development of Agencia Andaluza de la  
 Energía



Marisa Borra - Manager Área de Relaciones Institucionales e Internacionales, Agencia Andaluza de la Energía

Fernando Fernández-Llebrez - Manager Área de Relaciones Institucionales e Internacionales, Agencia Andaluza de la Energía

Julie Barber - Área de relaciones Institucionales e Internacionales, Agencia Andaluza de la Energía

Topics:

Spanish legislation: Electric Law and Royal Decree on premiums. Spanish incentiviation system

using premiums. Priority renewable energies. Energy saving and efficiency.

Andalusian Energy Plan and Energy Infrastructures in Andalusia Plan

Order of Incentives: Budget 100 M€

Andalusian Law on the Promotion of Renewable Energies and Energy Saving and Efficiency

**18.00-19.00 Visit to a solar thermal installation - Hospital San Juan de Dios, Bormujos**

Installer: TECYSU S.L. Director: Rafael Esteve

Technician: Alfonso Salvador

Head Maintenance: Eduardo Fernández Toscano

Panels by ISOFOTON.

Subvention from the Prosol Programme, Andalusian Regional Government (file nº 16714)

**17th October 2006 – Visit to an aeolic plant and a biomass plant**

**Meeting 8.00**

**10.30 Visit to an aeolic plant in Tahivilla**

The plant, made up of 98 wind turbine generator, was built in six months by ENDESA COGENERACIÓN Y RENOVABLES SA. It works approximately 2700 hours/year. There are no noise or shadow problems, because the plant is situated far away from inhabited places.



Tahivilla, El Ruedo y Cortijo-Iruelas



**18.30 Visit to a biomass installation (Valoriza Energia group) in Puente Genil, Córdoba**

This plant uses pomace to produce energy; It's a two-phases plant with the following features:

Treatment and reduction of mud (a solid by-product of the two-phase centrifugation method for olive oil extraction-Alperujo) by Cogeneration 16 MWe  
Extraction of Oil from Olive Pomace (Orujo)

Electricity generation with Biomass 9,7 WWe  
Valoriza Energía (Grupo Sacyr y Vallehermoso)

## **22.00 Official dinner in Seville**

### **18th October 2006 – Visit to a solar platform (PV and high temperature solar thermal)**

#### **Meeting 8.00**

#### **9.00-10.30 Visit to the solar platform in Sanlúcar la Mayor, Sevilla**

This Project offers the launch, after years of research and development by Solúcar, of the first solar thermal power plant based on a tower and a heliostats field, in the world, that will generate electricity in a stable and commercial way.. It is made up of a large field of heliostats that reflect and concentrate the solar radiation they capture on the Receiver on top of a 115 metre high tower. It will generate 23 GWh of electricity per year and is scheduled to be brought into operation towards mid 2006.



**Planta Solar Termoeléctrica PS10 ,  
11MWe en Sanlúcar la Mayor, Sevilla**

#### **13.55 Departure**