

CENER STARTS THE PYRANOMETER CALIBRATION SEASON

- **CENER owns the only laboratory in Spain accredited by ENAC to calibrate pyranometers and pyrhemometers.**

Sarriguren (Navarra), 17 February 2012.- The National Renewable Energy Centre (CENER) will soon be kicking off the new pyranometer calibration season. CENER's Solar Thermal Test Laboratory is the only laboratory in Spain to be accredited to calibrate pyranometers according to the international ISO standard 9847:1992 "Calibration of field pyranometers by comparison to a reference pyranometer".

Pyranometers are calibrated outdoors on a horizontal surface with respect to a standard pyranometer with traceability to reference standards of the World Radiation Center (WRC-PMOD) in Davos (Switzerland). The measurements will be carried out at the BSRN radiometric station that CENER possesses at its facilities in Sarriguren, Navarra.

CENER's laboratory has also been recently accredited by ENAC to calibrate field pyrhemometers according to international ISO standard 9059:1990. The pyrhemometer calibration season is open all year.

Apart from the activities described, the Measurement and Characterisation service of CENER's Solar Thermal Energy Department, is a technology benchmark in:

- Audit of solar radiation measurement stations.
- Characterisation tests on solar thermal power plant components:
 - Field characterisation of the optical quality of solar collectors.
 - Non-destructive optical characterisation of solar receptors. Capacity to measure spectral transmittance and reflectance simultaneously, in the wave length range (300 nm to 2500 nm).
 - Characterisation of the heat losses of solar receptors, at different temperatures.
 - Characterisation of spectral reflectance, absorbance and transmittance.
 - Durability tests: exposure to saline mist, thermal cycles; damp heat and hailstorm resistance.
 - Bespoke tests to assess the energy performance of special prototypes.
 - Assessment and characterisation of systems and components.

For more information: www.cener.com

About CENER

The **National Renewable Energy Centre** is a highly rated technology centre, with international prestige. It is specialised in applied research and the development and promotion of renewable energies. CENER has more than 200 researchers, carrying out activities on the five continents. The Board of Trustees is comprised of the Ministry of Economy and Competitiveness, the Research Centre for Energy, Environment and Technology (CIEMAT), the Ministry of Industry, Energy and Tourism and the Government of Navarra.

CENER performs its activity in six work areas (wind, solar thermal and solar photovoltaic, biomass, building energy and renewable energy grid integration), participating as a technical specialist in Technical Committees at home and abroad. CENER has modern, accredited laboratories and technological facilities, which are an international benchmark, as is the case of the Wind Turbine Test Laboratory, a Microgrid and its recently launched 2nd Generation Biofuel Centre.