

The Spanish Renewable Energy Association -APPA- comprises more than five hundred companies operating in the renewable energy sector. Created in 1987, it is the only national industrial association in this field that covers all the renewables: Biofuels, biomass, wind power, photovoltaic, high and low enthalpy geothermal, hydraulic, marine, and concentrated solar energy. APPA aims to help create the conditions for development of renewable sources of energy, dialoguing with public and private entities (agencies, environmental organizations, trade unions, etc.) on the various aspects involved in its activity. APPA also lobbies in Europe through to the following European Associations: AEBIOM (European Biomass Association), EBB (European Biodiesel Board), EREF (European Renewable Energies Federation), ESHA (European Small Hydropower Association), EUFORES (European Forum for Renewable Energy Sources), EU-OEA (European Ocean Energy Association) and EWEA (European Wind Energy Association).

APPA Geothermal departments (High and Low Enthalpy) have among their members, in addition to the most important companies in this field, the support of regional organizations in the field of energy.

The presentation given by APPA Geothermal departments will begin with an overview of the main challenges for development of geothermal energy in Spain. Firstly, the National Renewable Energy Plan NREAP, which derives from the implementation of the EU Energy Renewable Directive (20-20-20 Targets in 2020), and the qualitative change this directive means in terms of geothermal energy. Secondly, the Renewable Energy Plan (PER) from 2011 to 2020 that considers the power / heat/ heating&cooling targets with geothermal by 2020 and establishes the actions and policies required to foster the development of the sector and ensure its success.

Specifically in the part of the presentation devoted to the APPA High Enthalpy department, 3 initiatives will be discussed: efforts to obtain a detailed definition of geothermal resources, validation of the technical and economic parameters that will make the geothermal resources viable, and development of an appropriate legal and administrative framework for the industry. This was the aim of the study that consulting firms SKM and Geo-Thermal Engineering undertook and which concluded in March 2010 on behalf of APPA to determine the Geothermal Potential in Spain and Support Schemes Necessary to Facilitate Geothermal Development.

The part of the presentation devoted to the APPA Low Enthalpy department and shallow geothermal systems, will discuss its high potential for energy saving and stable renewable energy generation. The industry estimates that the total installed capacity in Spain may be higher at 60-80 MW. In this situation, NREAP and PER 2011-2020 estimate 1,000 MWt installed in 2020. Based on our own studies, APPA suggests that 3,000 MWt would be reached in 2030.

The analysis of the current status of geothermal energy in Spain 'Post-NREAP' will occupy an important part of the presentation. On 14th June 2010, the Institute for Energy Diversification and Saving (IDAE) released a draft NREAP opening a public information period until 22nd June 2010. This is a document full of good intentions but with no real concrete policies to support the renewable sector. During the presentation we will analyze the final NREAPs sent to Brussels, the support for the deep and shallow geothermal energy and climate control and other issues for improvement of this document.

As the message of the presentation we want to convey that we must continue working to position geothermal in its rightful place. Currently we have managed to try another renewable source which is recognized and valued, and these issues, unthinkable a few years ago, are now a reality. Every day there are new ways to further advance the development of the sector and they must remain a top priority in the advocacy. APPA Geothermal departments, as a lobby at national level, continues working on the new PER, at the European level in joint actions with European Geothermal Energy Council, EGEC.