



Capital city: Madrid
Inhabitants: 46.9 Million

INSTITUTIONAL SETTING AND PURPOSE

The Ministry for Ecological Transition and Demographic Challenge is in charge of groundwater monitoring in Spain. The Ministry executes the Governmental policy on energy and the environment for the transition to a more ecological and social

productive model. The objective of the monitoring network was adapted in accordance to the EU Water Framework Directive when hundreds of new piezometers were introduced in every basin for determining chemical status of water bodies.

CHARACTERISTICS OF THE NETWORK

This network includes wells with one or two filters, and artesian wells. The data are measured once a month. In total, there are more than 2,700 piezometers included in the network.

PROCESSING AND DISSEMINATION

The Monitoring Network Information System from the Ministry of Agriculture and Fisheries, Food and Environment and the Ministry for Ecological Transition offers information about the hydrological monitoring in Spain, including the groundwater monitoring network. Since 2011, the management of the network is done by the General Water Authority (DGA).

By selecting a well, metadata (coordinates, elevation well depth and others) and time-series (all historical monthly data) are visualised in the system. This information can also be downloaded (in PDF or Excel files).

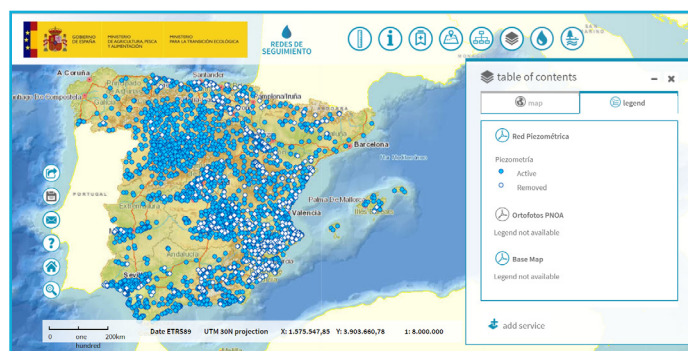


Figure 1 - Groundwater monitoring network of Spain. Source: The Monitoring Network Information System

Sources

- **Control network for the quantitative status of groundwater** - <https://www.miteco.gob.es/va/cartografia-y-sig/ide/descargas/agua/red-piezometrica.aspx>;
- **Information System of Monitoring Networks and Hydrological Information from MITECO** - <http://sig.mapama.es/redes-seguimiento>; and
- **Ministry for Ecological Transition and Demographic Challenge (MITECO). Piezometry and volume of groundwater** - https://www.miteco.gob.es/es/estadistica/temas/estadisticas-ambientales/pto3_4_sintesis03_tcm30-123726.pdf.