



INSTITUTIONAL SETTING AND PURPOSE

The Special Secretariat for Water under the Greek Ministry of Environment and Energy is in charge of the National Monitoring Programme of Greece. Regarding groundwater, the Institute of Geology and Mineral Exploration (IGME) has been the main promoter of the programme since 2000. The National Monitoring Network has been active since 2012.

In addition, each of the 14 prefectures of Greece have their own monitoring programmes through private boreholes.

CHARACTERISTICS OF THE NETWORK

The National Monitoring Network operates 1392 stations dedicated to groundwater quality and quantity in the main groundwater bodies of the country. Stations are divided in two categories: surveillance and operational stations. While surveillance stations monitor water bodies of good status only during a certain period, operational status stations continuously monitor water bodies that failed at achieving good status.

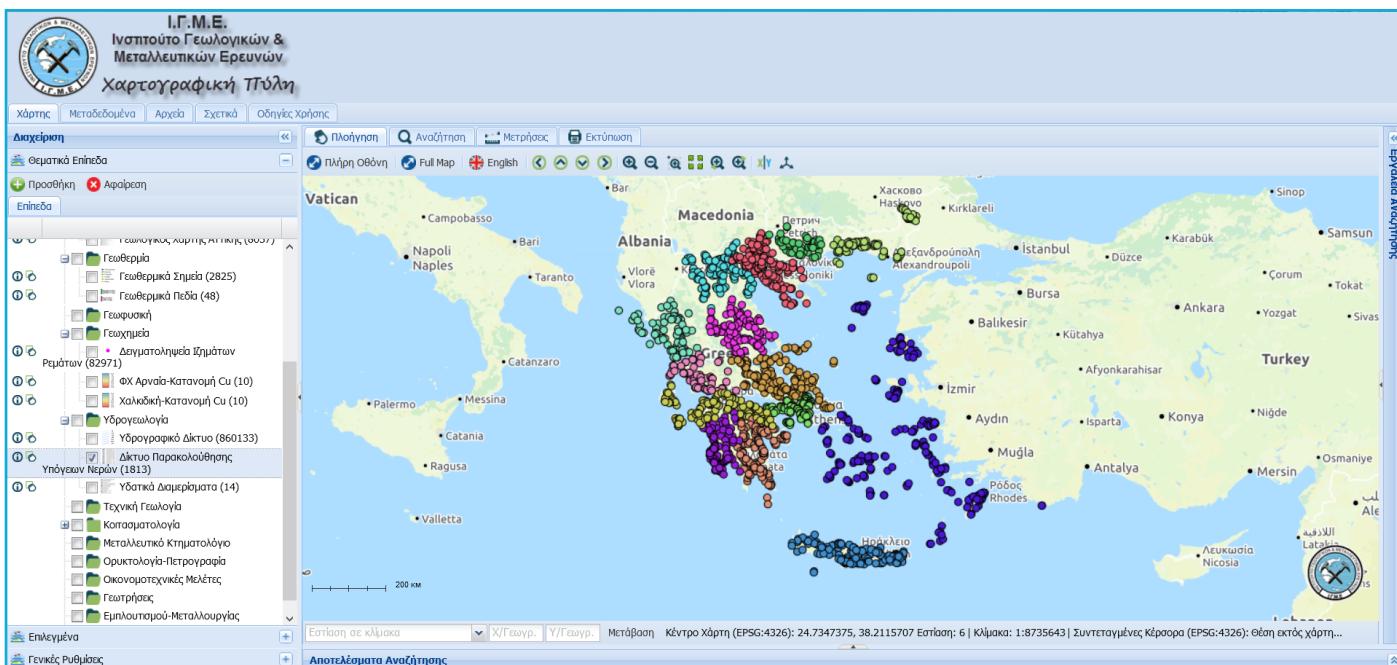


Fig. 1 - Groundwater monitoring network. Source: National Mineral Exploration Research Centre Geoportal

PROCESSING AND DISSEMINATION

Data can be found in several sources, for instance, in the National Data Bank of Hydrological and Meteorological Information (NDBHMI) and in the website and map portal of the National Water Monitoring Network. One product available in this portal are the boundaries and characterisation of groundwater bodies (GWB) per River Basin District, developed in the framework of River Basin Management Plans under the EU WFD, depicting the quantitative and qualitative status of groundwater bodies.

Monitoring data can be obtained directly via the website, but can also be requested via the Special Secretariat for Water. In addition, data from the 14 prefectures of Greece can be obtained through their water resources directorates.

The geoportal of the National Mineral Exploration Research Centre also provides open geospatial data and services for Greece, and data can be obtained from here via request. It is noteworthy that, in general, all official data can be found in the National Geodata Portal as well.

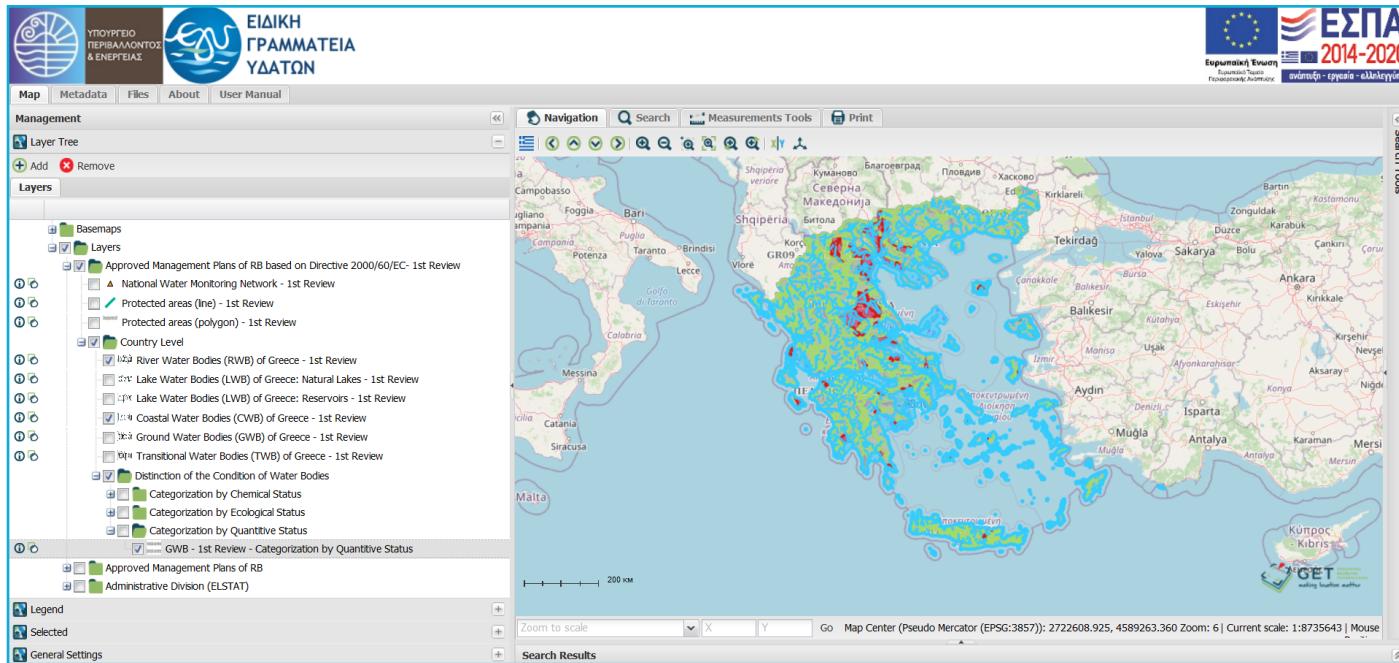


Fig. 2 - Quantitative status of groundwater bodies. Source: National Water Monitoring Network, map portal

Sources

- Feedback from Dr. Emmanouil Varouchakis, PhD geostatistics, School of Environmental Engineering Technical University of Crete, Greece - varuhaki@mred.tuc.gr;
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- Ministry of Environment and Energy - <https://yopen.gov.gr/>;
- National Data Bank of Hydrological and Meteorological Information (NDBHMI) - <http://ndbhmi.chi.civil.ntua.gr/en/index.html>;
- National Geodata Portal - <http://geodata.gov.gr/maps/?package=42b085a2-d390-4bd4-a9a0-6f1b3ec2ee9b&resource=646ab5b9-71ed-4b35-934f-78eec37978d1&locale/el>;
- National Mineral Exploration Research Centre Geoportal - <https://www.igme.gr/geoportal/?lang=gr>;
- National Network for the Monitoring of water status – Groundwater Monitoring Stations - http://geodata.gov.gr/en/dataset/ethniko-diktuo-parakoloutheses-tes-katastases-ton-udaton--stathmoi-sta-upogeia-udata/resource/306ae-da1-e7bc-4f99-88c0-7ade3c1d7007?inner_span=True;
- National Water Monitoring Network - <http://nmwn.ypeka.gr/?q=en/content/national-monitoring-network>;
- National Water Monitoring Network, map portal - <http://wfdgis.ypeka.gr/?lang=EN>;
- National Water Monitoring Network, groundwater data - <http://nmwn.ypeka.gr/?q=groundwater-stations>;
- Report on the implementation of the Water Framework Directive River Basin Management Plans - https://ec.europa.eu/environment/water/water-framework/pdf/4th_report/Greece_CORRECTED_5_EN_autre_document_travail_service_part1_v5-1_FINAL.pdf;
- River Basin Management Plans - <http://wfdver.ypeka.gr/en/home-en/> and <http://wfdver.ypeka.gr/en/management-plans-en/>; and
- Special Secretariat for Water, contact information to request data - <http://wfdver.ypeka.gr/en/contact-en/>.