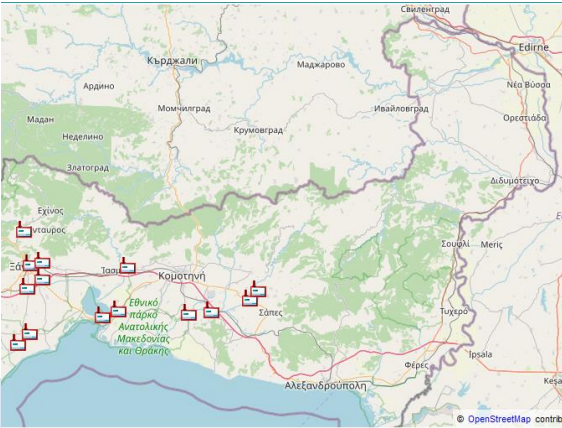


DEMOKRITUS UNIVERSITY OF THRACE TELEMETRIC NETWORK FOR MEASURING WATER QUALITY AND WATER LEVEL



Project's identity:

This is the most modern telemetry network for measuring water quality and water level. The network was installed on behalf of the Democritus University of Thrace.

It consists of fifteen (15) telemetry stations. The design was made by our company and combines technologies from the most well-known and reputable manufacturers from Europe and the USA.

The stations are completely autonomous with electricity via solar panels and telecommunications based on mobile telephony

Brief Description

Project : Telemetric Hydrological Network

Area : East Macedonia - Thrace

Date : January – March 2022

Project's Administrators

Democritus University of Thrace



All stations are extremely small, so as not to disturb the installation points. They are fully scalable and can directly accept meteorological sensors and all kinds of environmental sensors



Important !

Full energy and telecommunications autonomy

Important !

Automatic processing of measurements in the cloud

Important !

Extremely low demand for maintenance



- Water temperature, in °C
- Water pH, in pH units
- Water conductivity, in $\mu\text{S}/\text{cm}$
- Total dissolved solids (TDS), in mg/l
- Dissolved oxygen, in mg/l
- Water level, in m
- Chlorophyll a, in $\mu\text{g}/\text{l}$