Demo Case Update

From EYDAP – Athens Water Supply and Sewerage Company

21/09/21

Following the finalization of the installation of 5 level meter stations at the demo part of EYDAP's water supply system (Giona – Dafnoula aqueduct), the data have been integrated to a web platform for the processing, analysis and visualization of real-time data from all existing sensors in the conveyance system. Subsequently, prototypes for both water flow and quality applications are currently in a "live" environment, receiving real-time data in the context of #FIWARE compliant analytics and models.

Nessie system (information system developed by NTUA) was configured to integrate into a common operational system real-time data from flow meters, water level meters, sluice-gate opening meters and water quality sensors in order to to synthesise the information and provide operational decision support.

Two distinct dashboards have been implemented to provide feedback to the relevant operation staff in EYDAP. The homepage of the platform provides a quick access to real-time data, either via from "water quality" or "water flow" dashboard. The navigation is really easy: by water property, or by metering station, using the interactive map or drop-down lists. Also, the interactive graphs enable the framing of time window.

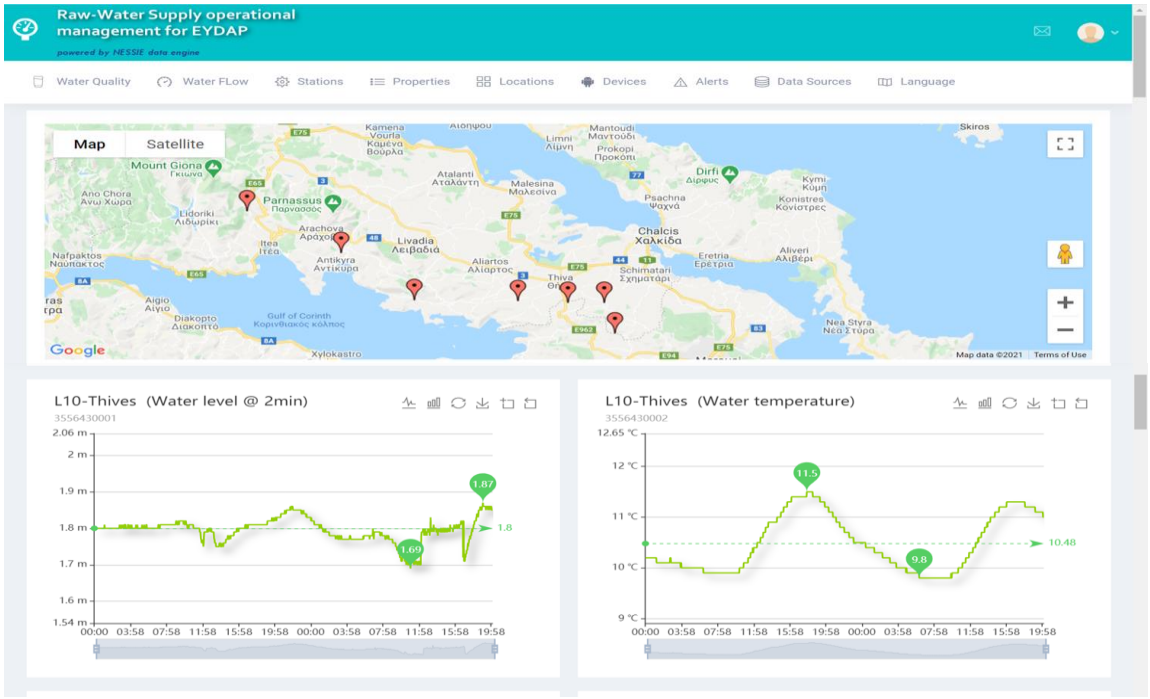

Figure 1. Interactive map and graphs within the web platform dedicated to EYDAP raw-water supply operational management

Disclaimer

This document reflects only the author's view. The European Commission is not responsible for any use that may be made of the information it contains.

Intellectual Property Rights

Project Consortium

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant agreement No. 821036.