



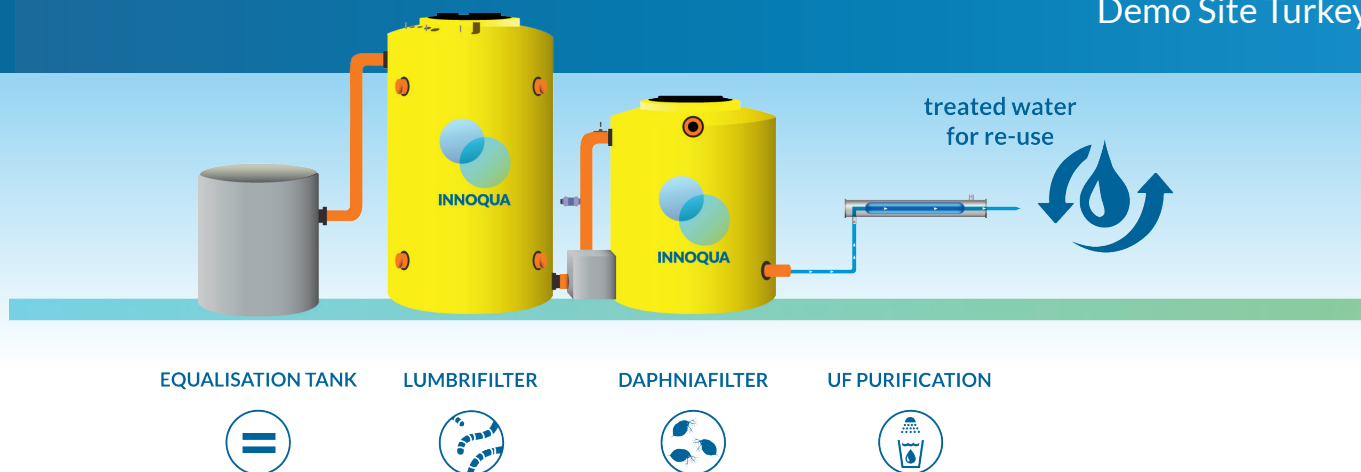
THE POWER OF EARTHWORMS

INNOQUA is a four-year EU-funded Horizon 2020 project. Bringing expertise from multiple disciplines, the 20 project partners are seeking to demonstrate a novel, modular system for wastewater treatment based on the purifying capacity of earthworms, zooplankton and microalgae, operating under real conditions.

Due to its modular configuration, the INNOQUA system can address multiple aspects of wastewater treatment and water re-use in water stressed communities, rapidly expanding cities and industries – both in developed and developing countries. The decentralised approach helps to reduce pressure on inadequate wastewater networks while reducing the water and energy demands of typical centralised wastewater treatments – supporting sustainable development.

INNOQUA has installed pilot and demonstration sites in 11 countries (France, Ireland, Italy, Romania, Scotland, Spain, Turkey, Ecuador, Peru, India and Tanzania) to demonstrate the long-term viability of modular and locally sustainable solutions under real conditions. The modules include lumbrifilter, daphnia filter, bio-solar purification and UV lamp. The sites provide a robust platform for scientific research and act as a focus for local training and dissemination activities.

KEEP IN TOUCH – innoqua-project.eu



Residential housing complex in Sinop

DEMO SITE SINOP

Sinop is located in the northern part of Turkey at the Black Sea coast. It has a population of 200,000 people living in the city center and nearby villages. Almost 90% of the population have access to a sewage system, while the remaining 10% use septic tanks as their main form of sanitation.

BENEFICIARIES: The INNOQUA system treats the wastewater from a residential complex with 8 detached houses and a building for social activities. The complex hosts approximately 55 people.

DESIGN CAPACITY: 3 m³/day

SOURCE OF WASTEWATER: Toilets, bathrooms and kitchens

SPECIFIC SCIENTIFIC RESEARCH OBJECTIVES:
To assess the potential of the INNOQUA technology to be implemented in residential housing.

CONFIGURATION: In Turkey the INNOQUA system consists of a lumbrifilter, daphniafilter and a UV unit.

LOCATION: Lalaköy Köyü, Sahilkent Mahallesi
Doktorlar sitesi, Sinop
Turkey

To arrange a visit to this site, please contact the INNOQUA partner whose details are provided below.



Offices of Ekodenge in Ankara

This demo site is run by the INNOQUA partner



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