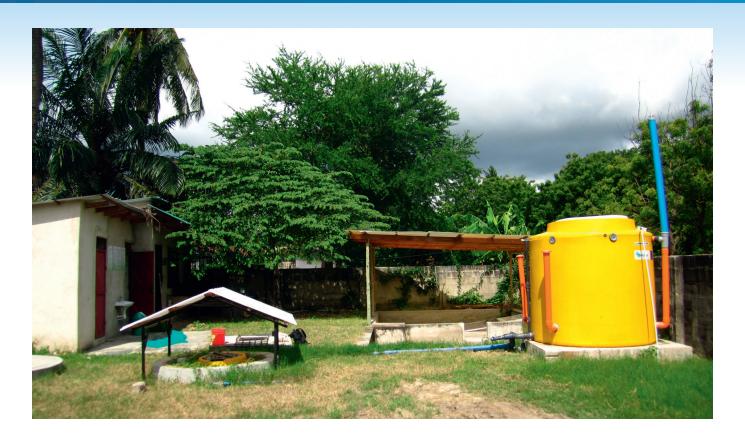


Fact Sheet Demo Site Tanzania



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







SETTLEMENT TANK

LUMBRIFILTER

DAPHNIAFILTER

RETENTION TANK

UV PURIFICATION













One of the households which will be connected to the

INNOQUA System

DEMO SITE MLALAKUWA

Mlalakuwa sub-ward is located in the eastern part of Dar es Salaam. It has a population of 19,000 people living in approximately 1,000 households. Nearly 80% of the population use pit latrines (35%) and septic tanks (45%) as the main form of sanitation. Most of these facilities are emptied using illegal or unsafe practices, such as manual emptying with a bucket, "flooding out" or direct discharge to nearby water sources.

BENEFICIARIES: The INNOQUA system treats the wastewater from four households and will benefit 37 people from a middle and low-income community.

DESIGN CAPACITY: 1.5 m³/day

SOURCE OF WASTEWATER: Toilets and shower

SPECIFIC SCIENTIFIC RESEARCH OBJECTIVES:

To assess the potential for Tanzania's sanitation sector to transition towards sustainability, through the integration of innovative decentralised sanitation systems with safe re-use of treated wastewater.

CONFIGURATION: In Tanzania the INNOQUA system consists of a lumbrifilter, daphniafilter and UV lamp, installed on the outflow from a septic tank.

LOCATION: Mlalakuwa sub-ward

Kinondoni district

(Close to JW military base and Mwenge market) Dar es Salaam, Tanzania



Lumbrifilter and Daphniafilter (covered)

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

This demo site is run by the INNOQUA partner



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