



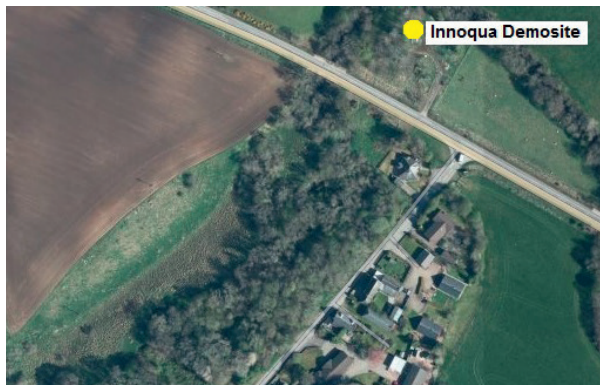
THE POWER OF EARTHWORMS

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 showcase 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



Littlemill village

DEMO SITE LITTLEMILL

Littlemill is located in the north part of Scotland, in the Highlands. It has a population of approximately 16 people (subject to seasonal variation) living in approximately 14 households. The entire village of Littlemill is served by wastewater treatment works (WWTW) consisting of submerged aerated filters (SAF).

BENEFICIARIES: The INNOQUA system will treat a portion of the wastewater from the Littlemill village.

DESIGN CAPACITY: 1.5m³/day

SOURCE OF WASTEWATER: Toilets, kitchens, bathrooms

SPECIFIC SCIENTIFIC RESEARCH OBJECTIVES: To assess the potential for the INNOQUA technology to be implemented at a small-scale domestic site with a foul only sewer system, and in potentially severe weather conditions.

CONFIGURATION: In Scotland the INNOQUA system consists of a lumbrifilter and a daphniafilter. It is installed to treat a side stream from an existing WWTW SAF.

LOCATION: Littlemill WWTW, Nairn, Scotland, IV12 5QL

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



Desludging the SAF

This demo site is run by the INNOQUA partner



Scottish Water
Trusted to serve Scotland

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