



EU H2020 Project: Water Reuse in Victoria Lake “VicInAqua”

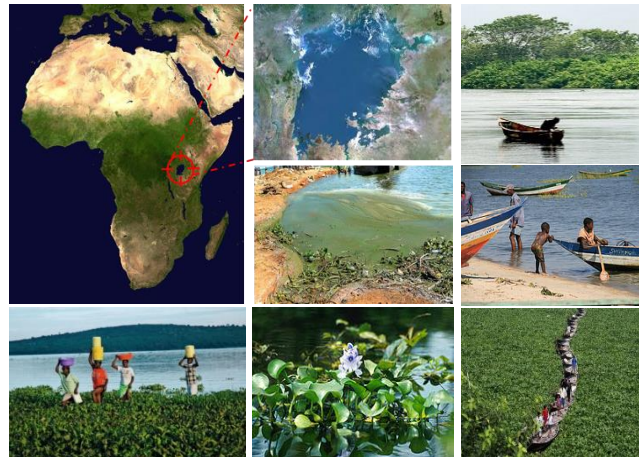
The project will follow an integrated approach by providing an integral, sustainable, innovative, cost effective and robust solution for water sanitation combined with the demand for clean water in aquaculture

Objectives

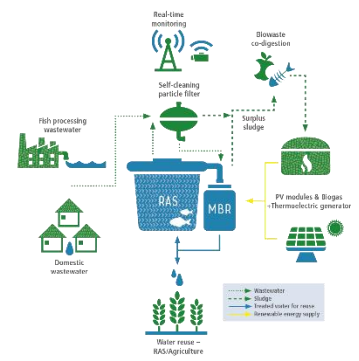
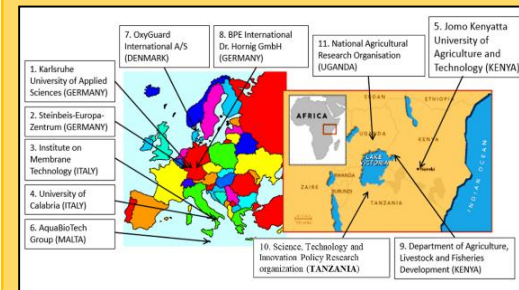
- Development and screening of **novel self-cleaning membranes** and utilisation.
- Set-up of a small technical **MBR** using novel self-cleaning **membranes** which will be integrated into a domestic wastewater treatment system (DWTS), a pilot RAS and a fish processing industry.
- **Integrated renewable energy power supply** based on photovoltaics and biogas (generated from RAS sludge in combination with bio-waste), which will be integrated to the system for autonomous operation.
- A robust and low-cost **real-time sensor system** for water management based on wireless network monitoring, which will contribute to the overall improvement of the aquaculture process.
- Set-up and pilot trials of an autonomous MBR for DWTS, RAS and fish process industry with **integrated renewable energy power supply** and smart sensor system.
- **Awareness raising, capacity building and knowledge transfer** among local population (aquaculture operators, stakeholders and scientific community).
- **Foster gender equality and better integration of women** in aquaculture activities.

Call: H2020-WATER-2015-two-stage
Type of Action: Research and Innovation Action
Acronym: VicInAqua
Duration: 36 months
Start Date: 2016-01-01
Estimated Project Costs: € 2.997.710
Requested EU Contribution: € 2.997.710
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Partners



<http://www.vicinaqua.eu>



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