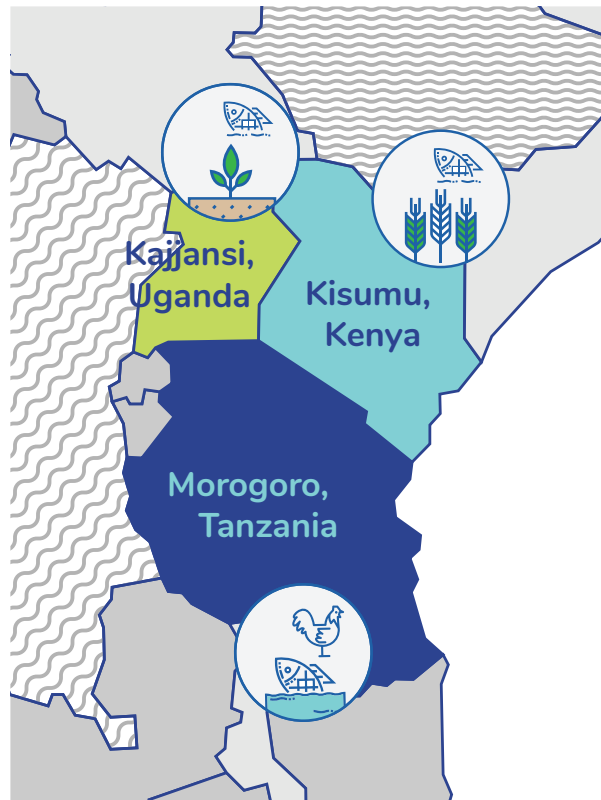


Three Living Labs are action-based projects that optimise water, energy, and nutrient use in three different Integrated aquaagriculture systems. They will produce data to validate the Decision Support Tool (DST), which will be used as training centres once the DST is validated. The general public and other key stakeholders will have an opportunity to visit the sites and enjoy the food grown on the farm during an open-door day organised within PrAEctiCe.



Decision Support Tool

A guiding tool focussed on data collection and practical approaches to support farmers, advisers and consumers.

The Decision Support Tool will be available in the form of 3 applications:

- Mobile app for farmers
- A desktop application for advisers
- Backend for data specialists



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PrAEctiCe Project Partners



Potentials of Agroecological Practices in East Africa with a focus on Circular Water-Energy-Nutrient Systems

PrAEctiCe will provide a novel Agroecology Indicator Set for East Africa, aimed at helping smallholder farmers in their agroecological transition.

Four Key Objectives

- Identify the most promising agroecological approaches for East African farms.
- Provide evidence that circular water-energy-nutrient systems of integrated aquaculture-agriculture are among the best practices for East Africa to address climate change issues while increasing financial viability.
- Provide suggestions and help smallholder farmers in their agroecological transition.
- To provide a novel agroecology indicator set focusing on circular waterenergy-nutrient systems of integrated aqua-agriculture for smallholder farmers.



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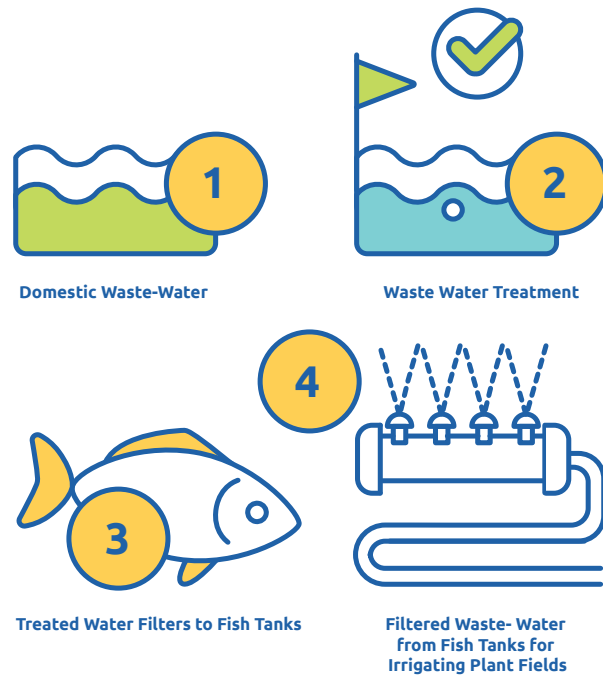




Living lab 1

Aquaculture and intercropping Kisumu, Kenya

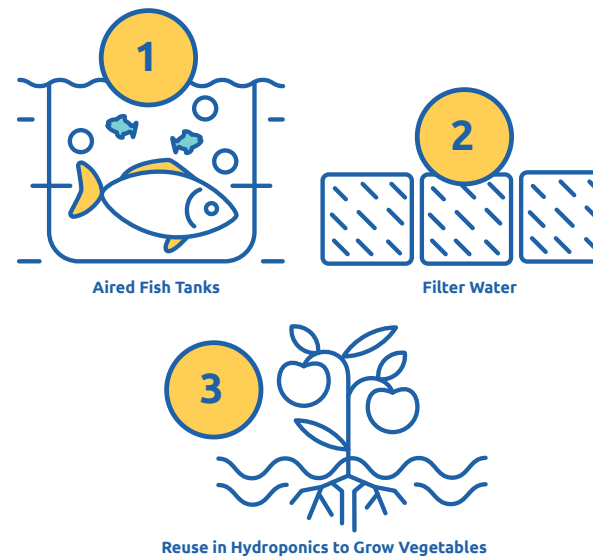
In this pilot, aquaculture wastewater will be reused to irrigate intercropping systems, and aquaculture sludge will be used as fertiliser.



Living lab 2

Aquaculture and hydroponics Kajjansi, Uganda

The aquaponic living lab will consider several combinations of fish and vegetables with varying water, energy and nutrient needs, which will be piloted to optimise the water-energy-nutrient resources.



Living lab 3

Fish-poultry integrated systems Morogoro, Tanzania

Poultry manure will be used to feed fish. The setup will also include vegetable production, with aquaculture sludge and poultry manure used to improve soil health and wastewater from fishponds used to irrigate vegetables.

