Project of the Month: A sustainable solution for boosting aquaculture in the Lake Victoria region

Earlier this year, the ViclnAqua project came to an end, a project that has successfully developed an integrated approach for wastewater management by providing an innovative and cost-effective solution for water sanitation.

The pilot, built in Kisumu, Kenya, combines a recirculation aquaculture system with an innovative membrane bioreactor (MBR) and smart monitoring technologies. To ensure autonomous operation, a renewable energy power supply, based on biogas, was also integrated into the system.

Solidifying the project’s legacy, the pilot will be maintained and kept in operation by project partner DALF, the Kenyan Department of Agriculture, Livestock and Fisheries of Kisumu County, as a training and demonstration facility to promote aquaculture and increase awareness, knowledge and skills for fish farmers.

The project was also a successful international collaboration: 11 European partners joined forces with three African institutions, based in Kenya, Tanzania and Uganda, ensuring the importance of local technical expertise in the project.

“The project team and coordinator are proud to have achieved a milestone in the aquaculture sector and they are sure that ViclnAqua will significantly contribute to develop future business on sustainable fish farming in the Lake Victoria region.”

- Jan Hoinkis, Project coordinator, Karlsruhe University of Applied Sciences

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