

Demo project

supported by

Biogas production using water hyacinth (*Echiornea crassippus*) and other organic wastes

Water hyacinth will be collected from the water body of Lake Tana and utilized, together with agricultural residues - producing electricity paired with environmental protection measures. The project developer wants to save Lake Tana with collaborative efforts and sustainably use this Majestic renewable resource from Generation to Generation.



Country: Ethiopia

Developing Consortium:

Bahir Dar University and Lake Tana and other Water bodies Protection and Development Agency (PIs: Dr Nega Tassie and Dr Ayalew Wondie).
Project Team members: Dr Solomon Libsu; Dr Dessalegn Ejigu; Mr. Getu Alemayehu; Mr. Hailemaryam Zewdu; Mr. Tewekel Mohammed and Mr. Ato Solomon Girmay

Biogas utilization

Combined Heat-Power

Feedstock

Water hyacinth
Manure

Electricity production (est.)

13 GWh per year

Operation

Grid injection



DiBiCoo is an international project supported by the Horizon 2020 programme of the European Commission and implemented by GIZ in cooperation with 12 experienced organizations across four continents with the overall objective to establish closer cooperation between European technology suppliers and biogas stakeholders in the partner countries Argentina, Ethiopia, Ghana, Indonesia, and South Africa. The activities focus on capacity building, support to establish favourable for cooperation in the biogas sector as well as the development of promising biogas projects. These biogas projects will lead to increased energy security, local added value, job creation and the share of renewable energy at local level while reducing greenhouse gas emissions. In each partner country one project idea was selected as demo case to be a show case about development in the biogas sector in it's country.



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