

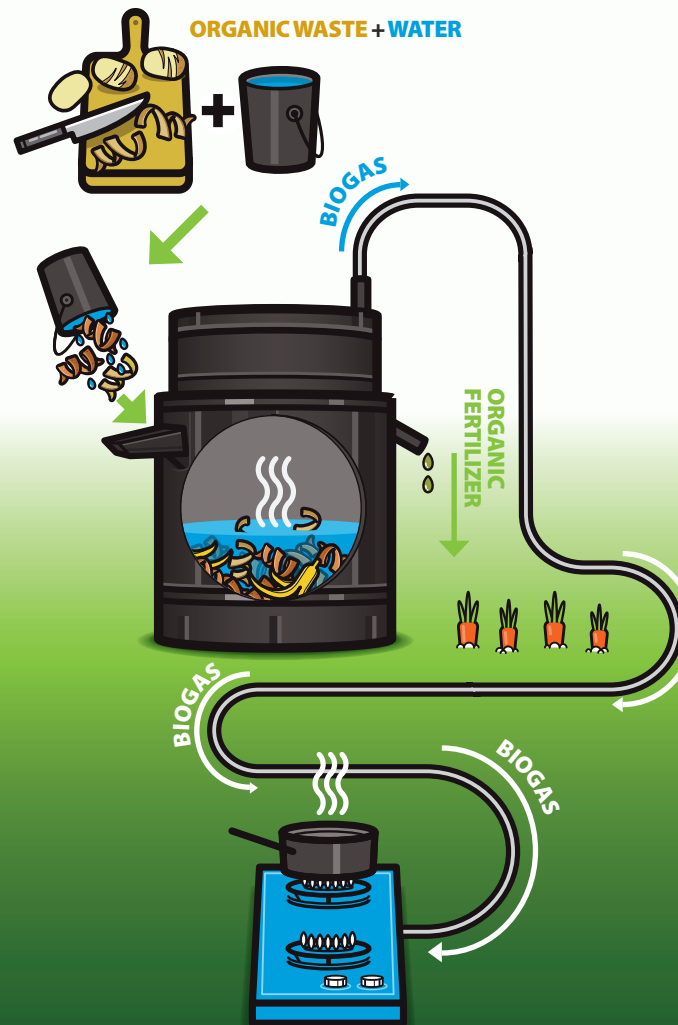
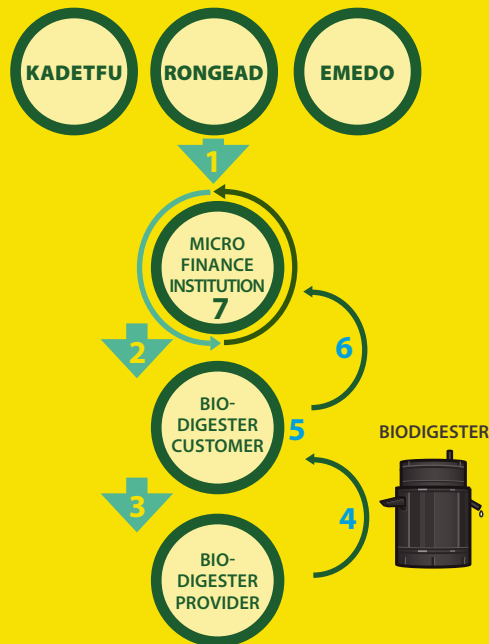
SEED stands for Sustainable Energy for Economic Development. Economic development requires adapted energy facilities to be sustainable.

Biogas is a renewable energy coming from the valorization of organic waste. This project follows a 2 year pilot project that tested the technical aspects of this biogas system.

- ▶ SEED is partnering with private companies that build and sell biogas products.
- ▶ SEED partners in the field: **EMEDO** in Mwanza and **KADEFU** in Bukoba.

FINANCIAL SCHEME

- 1 SEED project provides a grant to the Micro Finance Institution (SACCOS, etc.)
- 2 Micro Finance Institution provides loans to people interested in buying a biodigester. The access to loans is easier because of the grant.
- 3 Biodigester customer pays a provider for its biodigester.
- 4 The provider sets up the digester at the customer's.
- 5 The customer saves money by producing biogas with waste.
- 6 The customer pays his loan back regularly.
- 7 The financial institution uses its revolving fund to continue providing biodigesters.



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SEED project is implemented by :

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Donors and sponsors :



At home or for your small enterprise,
BIOGAS IS A GOOD SOLUTION

SEED PROJECT

BIODIGESTER



*Biogas is a clean energy.
Use organic wastes to produce biogas.
Use biogas to preserve the environment.
Biogas reduces domestic workload for women.*



MAIN OBJECTIVE :

The SEED project intends to promote biogas technologies in urban areas around Lake Victoria.

TO ACHIEVE THIS OBJECTIVE :

- ▶ SEED supports biogas product companies to offer their adapted biogas plants in Mwanza and Bukoba urban areas.
- ▶ SEED provides Microfinance Institutions with grants which develop some financial services in order to make biogas products more affordable for micro-enterprises and families.



A 3000 Liter Compact Biogas System produces 5 hours of biogas and an efficient bio fertilizer every day
It is easy to install.

WITH THE SEED PROJECT



Access to technical services and advice on biogas technologies which require organic waste. Adapted to urban areas.

IMPROVED AFFORDABILITY OF BIOGAS PLANTS :

- ▶ Reduction of logistical charges from the production place.
- ▶ Facilitation to loan access with some Microfinance Institutions of urban areas...

BY PROMOTING BIOGAS, SEED ALSO ENHANCES ORGANIC AGRICULTURE. BIO FERTILIZER (CO PRODUCT OF BIOGAS PRODUCTION) SIGNIFICANTLY IMPROVES THE CROPS' GROWTH YIELDS.

- ▶ Bio fertilizer is a bonus by product.

WITHOUT THE SEED PROJECT



No actors involved in promotion and distribution of biogas products adapted to urban areas.

UNAFFORDABLE BIOGAS PLANTS :

- ▶ No logistical support
- ▶ Transport up to TZS 300 000
- ▶ No payment facilitation for this technology with any Microfinance Institution.

ALMOST ONLY CHEMICAL FERTILIZER IS AVAILABLE. THIS LEADS TO POLLUTION OF SOIL AND WATER.

- ▶ Chemical fertilizers are expensive.

