

FINANCIAL INSTITUTION TRAINING MANUAL FOR DOMESTIC BIODIGESTER TECHNOLOGY

Picture courtesy of HomeBiogas

Module 4: Regulatory framework and compliance

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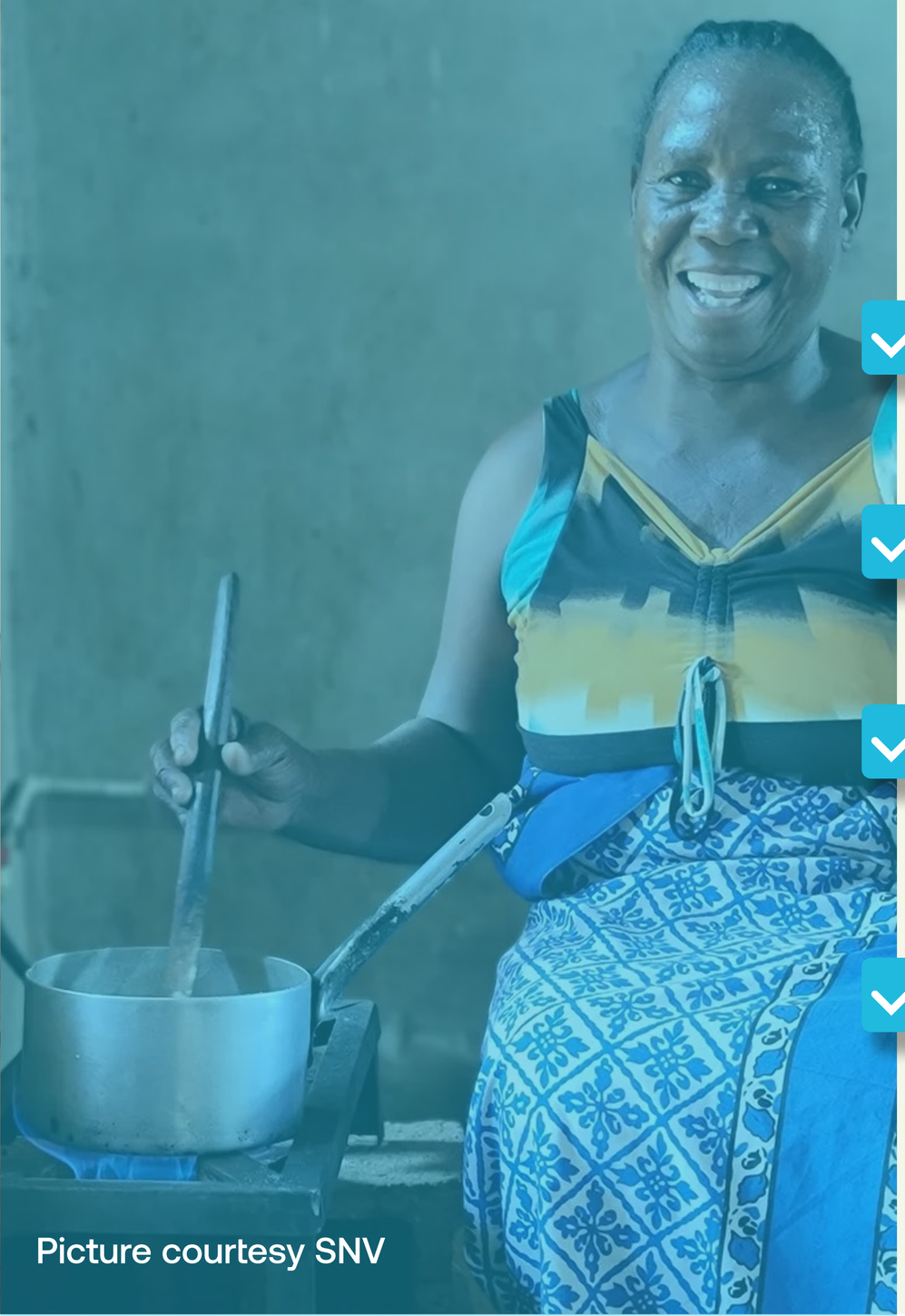
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Learning outcomes



- [x] An understanding of the policy framework guiding/ supporting the biodigester sector
- [x] Insights on the contribution of biodigester financing to the achievement of the UN SDG goals.
- [x] Group discussions on grievance mechanisms

Picture courtesy SNV


Picture courtesy SNV

Module Overview

- Regulatory Landscape for Biodigesters
- Environmental and Social Safeguards
- Grievance mechanism structures / suggestions
- Group work / Discussions

Regulatory Landscape for Biodigesters

Policy	Objective	Stipulation on Biogas
Guidelines for Regulation of Biofuels	To guide stakeholders in the production, transportation, storage, packaging, blending, and sale of biofuels, including biogas.	Sets out the requirements for setting up the business of biogas production, distribution and sale, and reporting requirements.
Kenya National Bioenergy Strategy 2020-2027	A guide to developing and promoting bioenergy as a formal industry that can be a vehicle for the country's economic development.	One of the tenets of the strategy is the formation of Innovation platforms of which the Biogas Innovation Platform has been launched
Bioenergy Strategy Action Plan, 2023	To accelerate the implementation of the Bioenergy Strategy, 2020 and promote the sustainable production, distribution, and utilisation of bioenergy as a clean energy source.	Lists interventions to implement the Bioenergy Strategy. These include review and formulation of policies, facilitating the transition of all public institutions to clean cooking, establishing delivery and coordination desks at the sub-national level, initiating production of energy trees and crops, and promoting research in bioenergy.
National Solid Waste Management Strategy, 2014	To guide sustainable solid waste management in Kenya to ensure a healthy, safe, and secure environment.	While not specific to biogas, it stipulates the desired goals of waste management, from reducing waste production to recycling and re-using solid waste. This can affect how bio-slurry/bio-slurry is handled.

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Regulatory Landscape for Biodigesters

Policy	Objective	Stipulation on Biogas
The Energy Act 2019	Provides for the National and County Government functions concerning energy, the establishment of energy sector entities etc	Formation of REREC which governs all RE technologies including Biogas
Code of Practice for Farm and Industrial Scale Biogas Systems	Regulates the planning, design, construction, operation, and maintenance of farm and industrial-scale biodigesters	Adherence to code of practice for large scale systems
Standards in Relation to Domestic Biodigesters	Standards for domestic systems and appliances i.e. fixed dome, floating drum, lamps and stoves	Are due for revision
The Biogas Systems Installer I curriculum	Designed to prepare trainees to acquire the necessary competencies to perform tasks expected of graduates at KNQF Level 4 leading to award of National Skills Certificate III.	Technical know-how and national qualifications for biodigester installation

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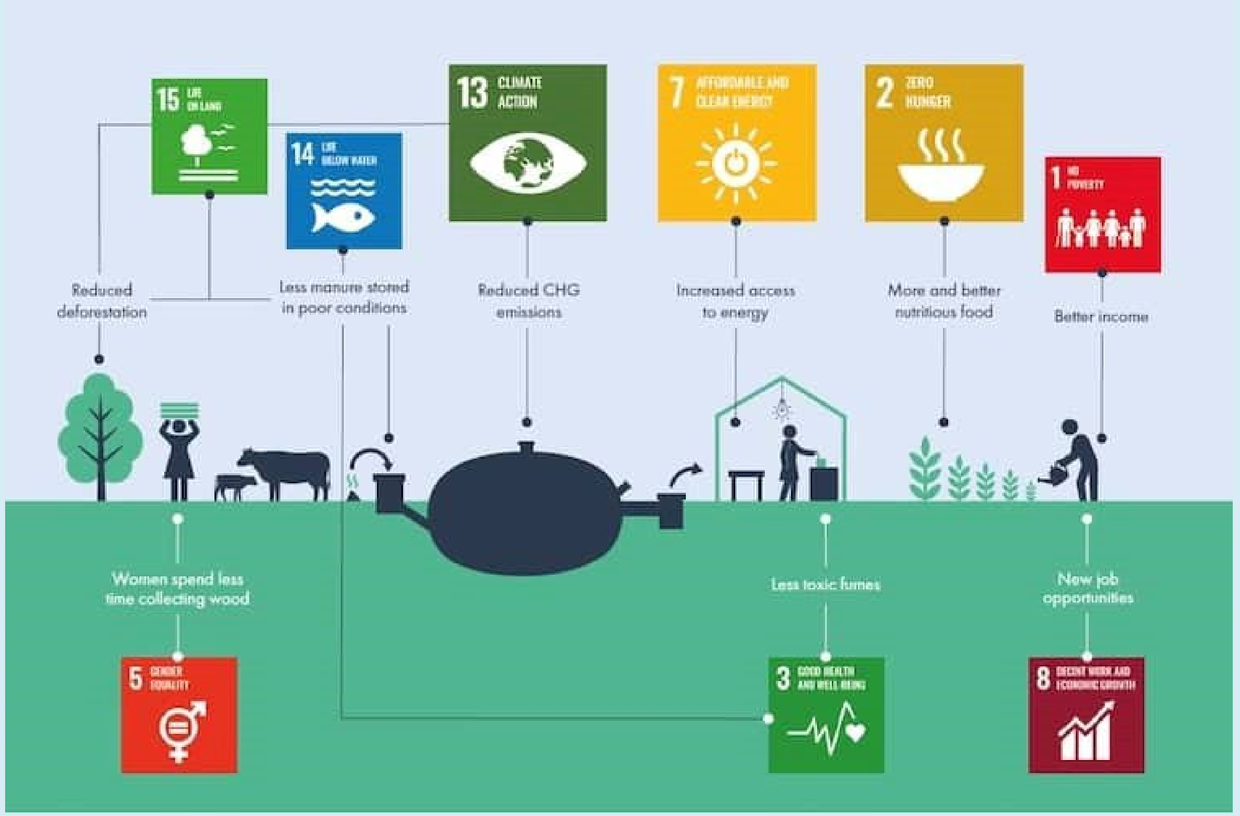
Environmental and Social Safeguards

Economic / social: benefits represent savings for farmers in fertilizers and energy, but in turn also increases the productivity of their crops

Environmental/social: While the results of the biodigester have a direct impact on users lives, this system, in turn, reduces greenhouse gases from agriculture

Cultural/social: possible access to local energy sources changes the way people live without breaking the ecosystem.

Children who grow up with eco-technologies will know that there are ways to live harmoniously with the environment



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Grievance mechanism structures / suggestions

- Apart from Government laws that govern contracts and agreements, including the law of tots, FIs want to engage with technology suppliers and consumers with least grievances possible. Terms sh ould be clear from day one and effort must be made to educate the contract parties at a level of their understanding.

- Examples of contracts and MoUs

Picture courtesy Alliance for science



Picture courtesy SNV

Recap and Practical Exercises

Group discussion on grievances experienced with vendors and clients

How did you resolve these grievances?

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Picture courtesy HomeBiogas

NEXT: -

Module 5: Partnership and collaboration opportunities

- Stakeholder Engagement and Collaboration.
- Capacity Building and Knowledge Sharing
- Industry liaisons / partnerships [professional organisations in bioenergy]

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