



OFVI
African Biodigester Component
Pour le développement du secteur biodigester en Afrique sud-sahara

OFVI – Organic Fertiliser Valorisation Implementer

Projet de valorisation des engrais organiques



Introduction OFVI

Organic Fertiliser Valorisation Implementer

30th of August 2022



Strategy

Objective: current and future owners of biodigesters increase the application and valorisation of organic fertilisers

- increased profitability of investments in biodigesters

Expected outcomes:

- 1. demand and use of bio-slurry (digestate) supported**, to facilitate the creation of local markets for **Bio-slurry Enriched Compost (BEC)**
- 2. the increased offer of bio-slurry and BEC** for biodigester owners and other agricultural producers
- 3. more favourable environment** (policies, standards) for users of BEC

Theory of Change

Goal	increased application and valorisation of bio-slurry and bio-slurry enriched compost (BEC) among existing and future owners of a biodigester							
Outcome (Oc)	1. Bio-slurry demand strengthened: I. Biodigester owners increasing use own bio-slurry or BEC II. Fertiliser companies creating, expanding markets for BEC III. Smallholder farmers increasing use bio-slurry/BEC			2. Bio-slurry supply strengthened (increased and sustained): I. Biodigester owners increasingly sell bio-slurry/BEC II. Fertiliser companies increasing production of slurry-containing products			3. Enabling environment: I. Financial service providers: enable bio-slurry value chain actors II. Policy makers & others: decisions on tax regimes, agricultural extension, standards, value chain development	
Output (Op)	1.1 Biodigester owners improved the BC for selling bio-slurry or BEC	1.2 Biofertiliser companies improved the BC for selling BEC	1.3 Farmers' awareness on the farm-value of bio-slurry & BEC increased	2.1 Biodigester owners improved bio-slurry processing for own use	2.2 Biofertiliser companies improved capacity: input supply network, access to services (BDS, finance, certification)	2.3 Biofertiliser companies increased biofertiliser production efficiency	3.1 Financial service providers ...	3.2 a. Public service policy makers ... b. Standards bureau ... c. Biodigester enterprises ... d. Agro-input suppliers ... e. Bio-slurry/BEC collectors/traders ...

OFVI Consortium

- Biomass Research (consortium leader)
- DIBcoop
- Netherlands Development Organisation (SNV)

OFVI

The organic fertiliser project will help farmers unlock the full potential of their biodigester investments by increasing the use of bio-slurry & bio-slurry enriched compost (BEC) and facilitating the creation of local markets for bio-mix enriched compost.



OFVI National Partners (NP)

- Kenya Africa Bioenergy Programs Limited (ABPL)
- Uganda: Biogas Solutions Uganda Limited (BSUL)
- Burkina Faso: National Biodigester Programme (PNB-BF)
- Mali: SNV Mali
- Niger: SNV Niger



Biomass Research team

- Hans Langeveld Project Director, biofertilisers, soil chemistry
- Elise Pinners Project Manager, Sahel Coordinator, farming systems
- Foluke Quist-Wessel East Africa Coordinator, agronomy, gender
- Golaleh Gaffari GIS, hydrology
- Laura Laroche Soil biology, compost
- Jokeline Rieks Administration



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DIBcoop team

- Alessia Capurso Manager OFVI for DIBcoop, business development
- Sara Butler Technical advisor agriculture and communications
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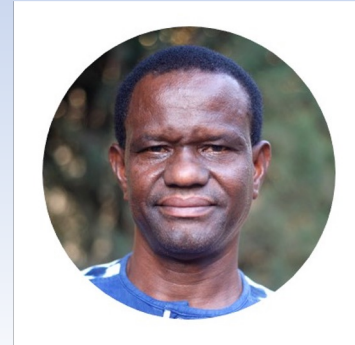
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SNV team

- Wim Spieringhs Manager OFVI for SNV, SNV Global Technical Advisor
- Wim van Nes SNV Global Technical Advisor Energy



Wim S.



Wim van N.

Third parties

- The Tree Domestic Team (TTDT) Ard Lenkeek
- Farm Tree Services (FTS)



Activities in the inception phase

NP: National Partner

Code	Activity	Responsible
Inc1	Develop the inoculum facilities , one for each target country	BR , DC, SNV NP: contribution/responsible
Inc2	Assess baseline for current use of bio-slurry/BEC and barriers to organic fertiliser recovery	SNV , BR, DC NP: contribution
Inc3	Develop a strategy to overcome barriers to the use of organic fertiliser	BR , DC, SNV PP: contribution, feedback
Inc4	Assess the baseline of bio-slurry and BEC markets	DC , BR, SNV NP: contribution
Inc5	Literature review on best practices for the application of bio-slurry and BEC	BR , DC, SNV, PL NP: contribution
Inc6	Assess which cropping systems give the best response to application of BEC	BR (incl. TTDT), DC, SNV NP: contribution, feedback
Inc7	Advise on influence of feedstock on bio-slurry quality in Kenya	BR , DC, SNV NP: contribution
Inc8	Make a BC for biodigesters for end users (OFVI focuses on the organic fertiliser component)	DC , BR (incl. TTDT), SNV NP: contribution
Inc9	Identify gaps in the enabling environment for organic fertiliser and enriched compost trade	SNV , BR, DC NP: contribution
Inc10	Develop an organic fertiliser valorisation strategy	BR , DC, SNV NP: contribution

Activities in the implementation phase I/II

NP: National Partner

Code	Activity	Responsible
Imp1	Identify farmer cooperatives and enterprises to collaborate on the trade of bio-slurry/BEC and access to finance for end-users	DC , BR, SNV NP: contribution
Imp2	Identify agricultural interventions and cooperation opportunities for the valorisation of organic fertilizers	DC , BR, SNV NP: contribution
Imp3	Develop gender-sensitive guidelines for safe bio-slurry/BEC production, use	BR , DC, SNV NP: contribution
Imp4	Assess which cropping systems give the best response to BEC application	BR (incl. FTS,TTDT), DC, SNV NP: contribution
Imp5	Implement strategy to help end users overcome barriers to organic fertiliser valorisation	SNV (incl. govt.), BR, DC NP: contribution
Imp6	Field visits to biodigester owners	DC , BR, SNV NP: contribution
Imp7	Extension activities on BEC and organic fertiliser production	DC , BR, SNV NP: contribution
Imp8	Workshops with agro-input suppliers (incl. biodigester companies) to develop BEC local markets	SNV & DC (incl. TTDT), BR NP: contribution
Imp9	Link agricultural interventions to the Lead Implementers	SNV , BR, DC NP: contribution
Imp10	Assess BCs for key actors along the BEC value chain	DC , BR (incl. TTDT), SNV NP: contribution

Activities in the implementation phase II/II

NP: National Partner

Code	Activity	Responsible
Imp11 Imp12	Develop, provide training to bio-slurry trading enterprises on: <ul style="list-style-type: none"> production of BEC how to identify farming systems and end users that can benefit from bio-slurry and compost application 	DC , BR (incl. TTDT), SNV NP: contribution
Imp13 Imp14 Imp15	Develop, provide training to biogas companies on: <ul style="list-style-type: none"> identifying farming systems that benefit most from BEC application the basics of (safe) organic fertiliser application safe production of BEC/organic fertilizer 	DC , BR (incl. TTDT), SNV BR , DC, SNV NP: contribution
Imp17	Link access to finance to agricultural cooperatives, -leasing companies	SNV , BR, DC NP: contribution
Imp16 Imp18	Develop public agricultural extension for bio-slurry & BEC application: <ul style="list-style-type: none"> training extension officers on (safe) bio-slurry/BEC application mainstream (safe) bio-slurry/BEC application in extension, develop synergy 	SNV , BR, DC NP: contribution
Imp19	Support standards, labelling, rules & regulations for safe BEC production, use	BR , DC, SNV NP: contribution
Imp20 Imp21 Imp22 Imp23	Establish the inoculum facilities and Develop learning materials and -events : <ul style="list-style-type: none"> online access to studies on bio-slurry application & impact: yields, soil fertility online discussions and workshops regarding organic fertiliser valorisation publications on learnings from ABC 	BR , DC, SNV NP: contribution



Merci pour votre temps

Thank you for your time



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