

TECHNICAL SOLUTIONS

Taka langu, jukumu langu – My waste, my responsibility

Description of the project

Ento Farms connects unemployed women and youth from urban slums with smallholder poultry farmers around Nairobi via an innovative organic waste management program. Bio-converting "Home Kits" and technical trainings empower women and youth to transform organic waste into a valuable resource using the larvae of black soldier flies. The larvae are collected and bought back by Ento farms, to be sold via local partners to farmers for protein-rich poultry feed and bio-fertilizers. This cost-effective, decentralized waste upcycling solution generates income in underserved suburbs while significantly enhancing poultry farmers yields, thanks to a 30 % reduction of production costs.



Transformative outcomes

Climate impact



Approximately 25 t. of CO₂ emissions were saved by upcycling 36 t. of organic waste.



Reduces the use of harmful chemicals and additives in small poultry farming.



Creates a local circular economy based on organic waste upcycling and sustainable poultry farming.

Gender impact



New income generation for women in underserved suburbs and women small-scale farmers.



Capacity-building for women in waste management and product processing technologies.



Promotes women's participation in community decisions about waste management solutions.

Scalability / replicability



Low-cost, user-friendly and replicable organic waste management technology.



Smart, sustainable economic model with buy-back program for participants.



Partnership with local civil society organizations and community members.

CONTACT



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