



Enhancing a Participatory and Inclusive Planning and Implementation of Modern Organic Waste Management Practices for Improved Livelihoods of Informal Settlement Inhabitants in Dar es Salaam City



INCLUSIVE CLIMATE ACTION C40 CITIES FUND PROJECT FACTSHEET

Project Area

*Vingunguti ward
Dar es Salaam*

Implementation Period

September, 2023 - June, 2024

OUTCOMES & IMPACT

107 Waste pickers and collectors capacitated

56 City and Municipal officials engaged and capacitated

2 CBOs formulated and capacitated

3 Innovative waste technological Solutions scaled

27,000 kg of Methane emission avoided yearly

Vingunguti Ward represents one of the city's impoverished informal settlements, posing significant challenges to the delivery of effective waste management services. This area is estimated to produce 53 tons of waste daily, with an average per capita generation rate of 0.8 kg. The majority of Vingunguti residents depend on informal waste collectors for the management of household waste, which frequently ends up being discarded along the banks of the Msimbazi River.

Empowering communities through an inclusive and participatory approach under the C40 ICA Cities Fund project has facilitated the integration and formalization of informal waste management stakeholders, including Community-Based Organizations (CBOs), waste collectors, and waste pickers, into formal groups and systems. This initiative has significantly enhanced waste management efficiency and improved livelihoods.

One of the project's primary objectives was to advance waste management practices by introducing modern organic waste management techniques to mitigate environmental impact. It aimed to foster inclusive planning and participation by actively involving community members, including informal waste pickers, in both planning and execution processes. Additionally, the project sought to improve livelihoods by creating economic opportunities through waste recycling and composting. Furthermore, it promoted environmental sustainability by reducing organic waste in landfills, lowering methane emissions, and fostering a cleaner urban environment.

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Achievements

- ▶ The project has successfully integrated groups of informal waste collectors, sorters, and pickers into the formal waste management framework, significantly enhancing efficiency and improving livelihoods. Two community based groups or organisations have been formalized, and these included
 - ➡ Pendezesha Vingunguti (Waste Pickers and Collectors)
 - ➡ Wazalendo Group (Black Soldier Fly larvae (BSF) and compost production)
- ▶ Supported community based groups with access to personal protective equipment (PPE) and tools such as wheelbarrows and pushcarts, have boosted waste collection rates and fees. Project beneficiaries have confirmed to have increased waste collection rates and fees by 35%.
- ▶ Through effective community engagement and awareness efforts, the community member generously provided land for the construction and operationalization of the compost pits. This has attracted city resident's engagement in waste management as a livelihood option.
- ▶ The project legally supported group formalization and linkages to access local markets for collected recyclable and organic waste by products including compost and black soldier larvae poultry feed.
- ▶ The Dar es Salaam City Council project team further established an accountability and assurance program for beneficiary groups to ensure the growth and scalability of selected waste management solutions. Routine reporting, group visits between the project beneficiaries, ward and city government has embedded the progress along the city government sustainable development plans.
- ▶ The project has successfully developed a community mobilization toolkit, a tool that elaborates how city officials or other municipalities can achieve an effective community mobilization in integrated solid waste management.

Innovations



Organic waste is now a resource used in the production of BSF larvae and Compost.



A BSF larve Composting pit Technology continues to offer a double impact by generating BSF poultry feed and compost for home and city gardening



Wooden cage composting containers Offers a locomotive technological containers for organic waste composting