







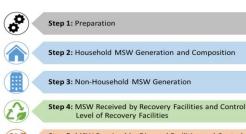




FACTSHEET

Waste Wise Cities Tool in Musanze, Rwanda





Step 5: MSW Received by Disposal Facilities and Control Level of Disposals Facilities Step 6: Waste Composition at Disposal Facilities

Step 7: Calculating Food Waste, Recycling, Plastic Leakage, Greenhouse Gas Emissions and Air Pollution

lead to increasingly effective and efficient solid waste collection systems, enhanced local resource recovery and controlled waste disposal, thereby improving the quality of life for urban residents. UN-Habitat's Waste Wise Cities Tool (WaCT) assesses the parameters for Sustainable Development

The availability of fact-based data on municipal solid waste can guide evidence-based planning and

In the rapidly urbanizing world, the crisis in waste management and plastic pollution is a reflection of

Goal indicator 11.6.1 - the proportion of municipal solid waste collected and managed in controlled facilities out of total municipal solid waste generated, by the city. It consists of seven steps and provides the necessary data to support evidence-based decision making by city managers.

Together we can achieve a sustainable future.

current unsustainable lifestyles.

Have a look at the Waste Wise Cities website, learn about the WaCT and how its application created impact on the ground in other cities.



City: Musanze



Population: 190,140 (2020)



Year of WaCT Survey: 2023

Key Waste Data

Total municipal solid waste (MSW) generated by the city

142 t/d

18% Total MSW collected 26 t/d

Total MSW collected and managed in controlled facilities 10 t/d

Per capita MSW generation 0.75 kg/cap/d

Per capita household food waste generation

0.32 kg/cap/d

City Recovery Rate



Household and non-household waste generation

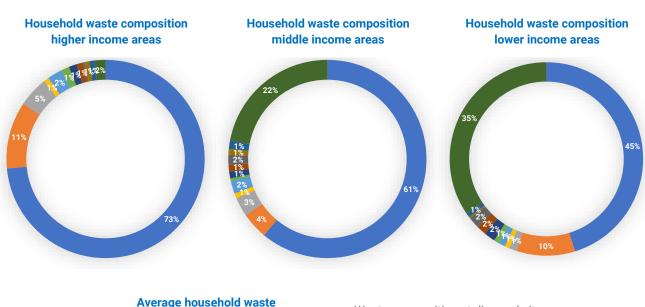


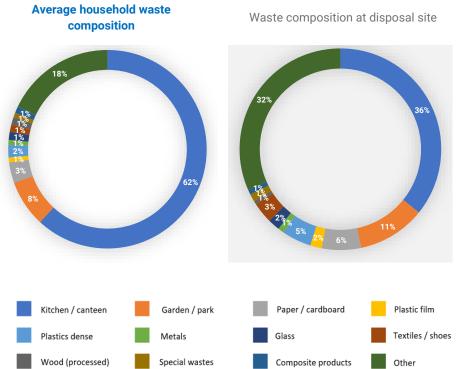
	Average household waste generation (kg/capita/day)	Total population	Total MSW generated by households (t/day)
High inco	me 0.53	56,373	30
Middle in	come 0.66	71,136	47
Low inco	ne 0.36	62,631	22
TOTAL	0.52	190,140	99



Total MSW generated from non-household sources (t/day) **43** calculated using proxy of 30 % of total MSW

Composition of waste at the households and at the disposal site



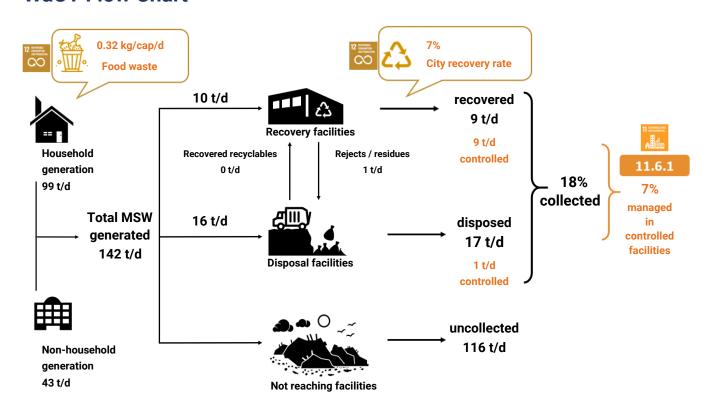




Potential recyclables from households

Types	Recyclable waste generation from households (t/day)
Food waste	61
Plastic film	1
Plastic dense	2
Paper and cardboard	3
Glass	1
Metal	1
Total	69

WaCT Flow Chart



For more info and if interested in WaCT application contact the Waste Wise Cities Team at WasteWiseCities@un.org





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