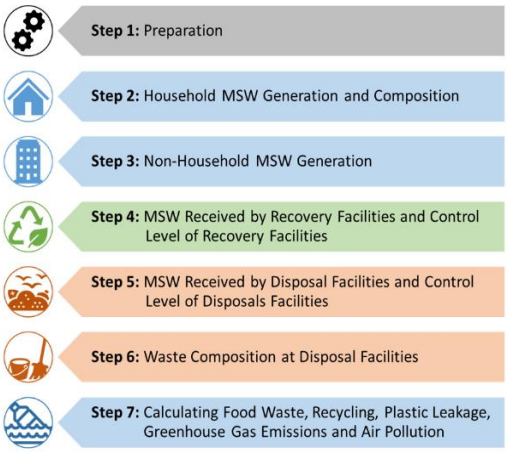
FACTSHEET

Waste Wise Cities Tool

in Bukavu, Democratic Republic of the Congo



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

The availability of fact-based data on municipal solid waste can guide evidence-based planning and 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 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.
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: **Bukavu**
Country: **Democratic Republic of**

Population:
1,305,405 (2021)

Year of WaCT Survey:
2021

Key Waste Data

Total municipal solid waste (MSW) generated by the city
898 t/d

Total MSW collected
7%
63 t/d

Total MSW collected and managed in controlled facilities
0%
1 t/d

Per capita MSW generation
0.69 kg/cp/d

Per capita household food waste generation
0.17 kg/cap/d

City Recovery Rate
0%

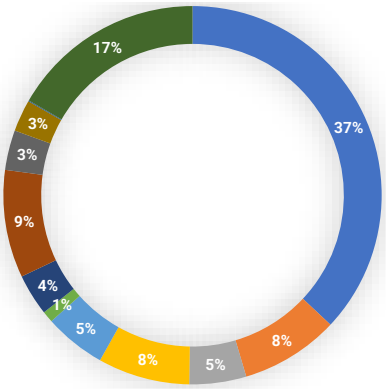
Household and non-household waste generation

	Average household waste generation (kg/capita/day)	Total population	Total MSW generated by households (t/day)
High income	0.63	174,133	110
Middle income	0.46	398,693	185
Low income	0.45	732,579	333
TOTAL	**0.48**	**1,305,405**	**629**

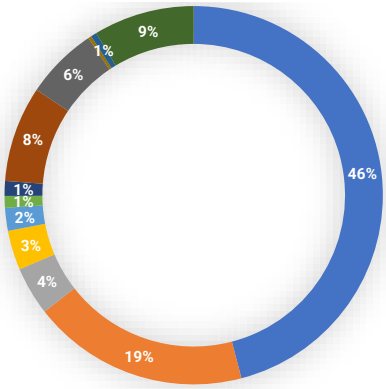
Total MSW generated from non-household sources (t/day): **269**
calculated using proxy of 30 % of total MSW

Composition of waste at the households and at the disposal site

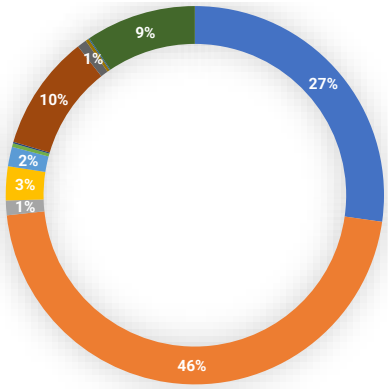
Household waste composition higher income areas



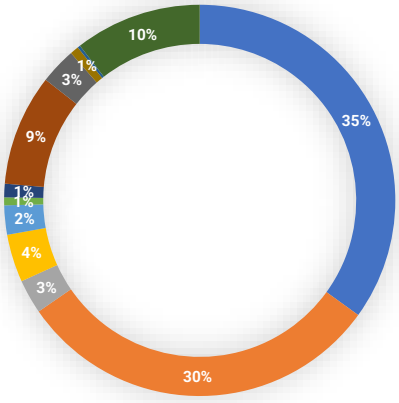
Household waste composition middle income areas



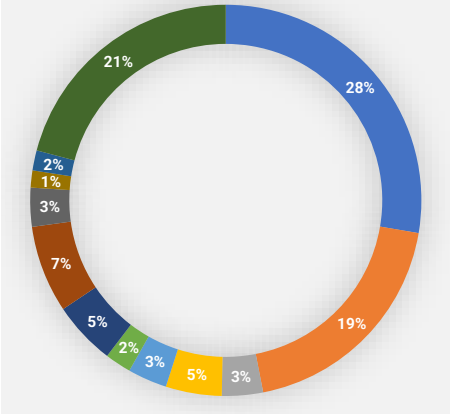
Household waste composition lower income areas



Average household waste composition



Waste composition at disposal site

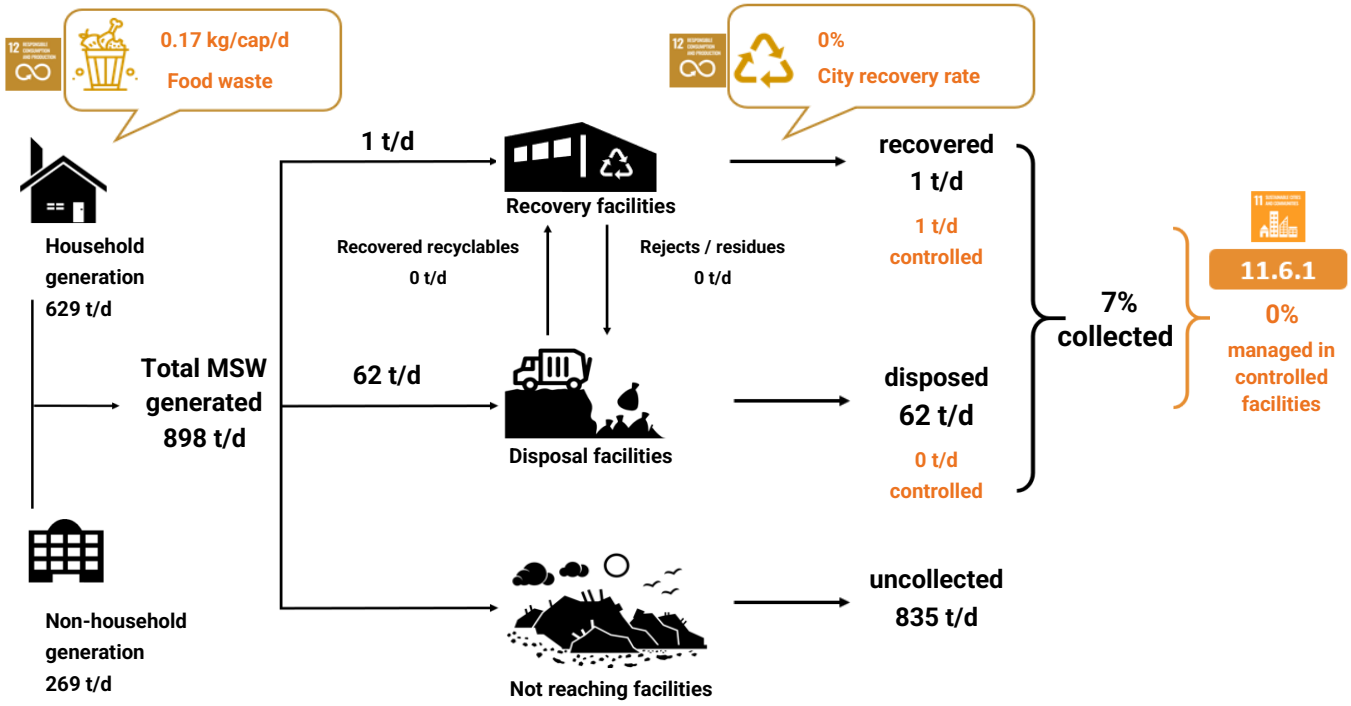


Kitchen / canteen
Garden / park
Paper / cardboard
Plastic film
Plastics dense
Metals
Glass
Textiles / shoes
Wood (processed)
Special wastes
Composite products
Other

Potential recyclables from households

Types	Recyclable waste generation from households (t/day)
Food waste	220
Plastic film	25
Plastic dense	15
Paper and cardboard	18
Glass	7
Metal	4
Total	347

WaCT Flow Chart



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

UN-HABITAT
FOR A BETTER URBAN FUTURE

P.O. Box 30030, Nairobi 00100, Kenya
T: +254-20-76263120
E: unhabitat-info@un.org

WASTE WISE CITIES

Andre Dzikus,
Chief Urban Basic Services Section

WasteWiseCities@un.org
#WasteWiseCities