FACTSHEET

Waste Wise Cities Tool in Kep, Cambodia

WASTE WISE CITIES

Step 1: Preparation

Step 2: Household MSW Generation and Composition

Step 3: Non-Household MSW Generation

Step 4: MSW Received by Recovery Facilities and Control Level of Recovery Facilities

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

Kep city has the great potential for eco-tourism while the inadequate solid waste management is part of the underlying vulnerability to environmental hazards such as flooding and the damage of the terrestrial and marine ecosystems.

Solid waste management is the priority issue to promote the sustainable urbanisation in the city. With technical support from UN-Habitat and the use of Waste Wise City Tool, the city would better understand the most current situation of municipal solid waste in the city and guide bettter strategic planning.

Ms. Tith Sokha
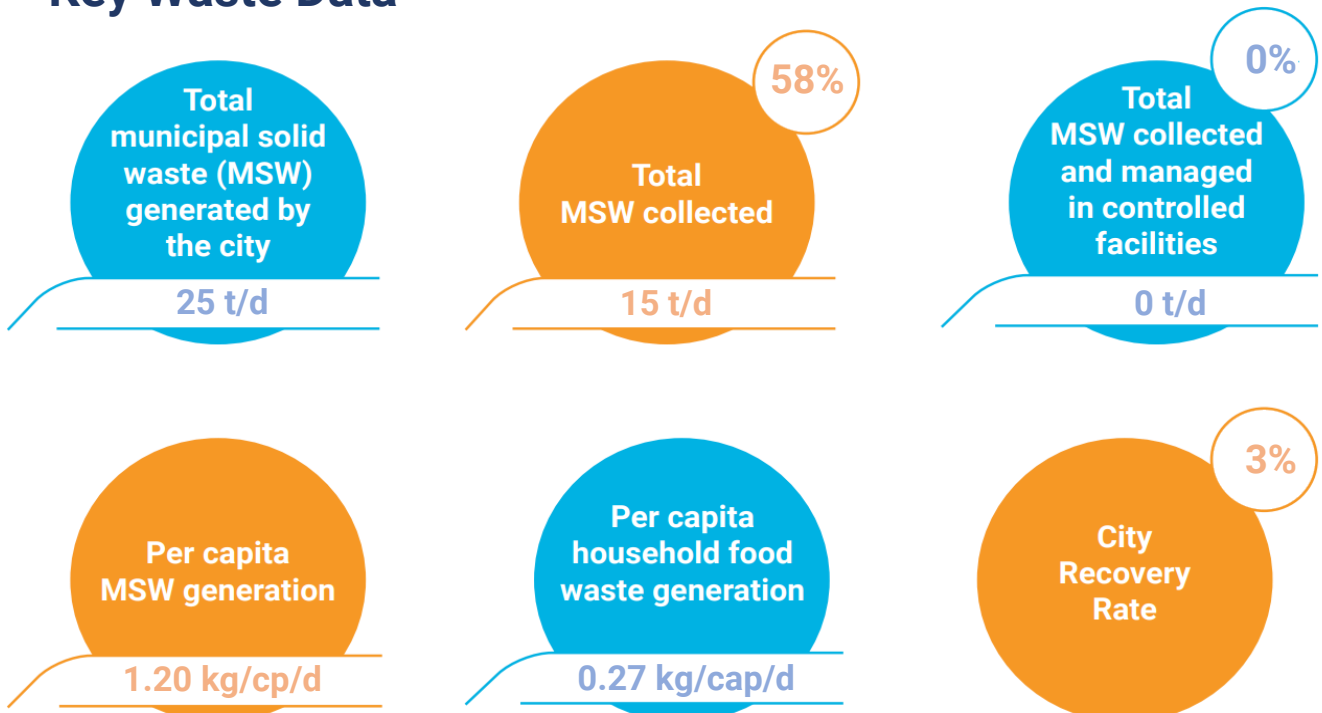*Governor of Kep Municipality*

City: **Kep**
Country: **Cambodia**

Population:
21,204 (2021)

Year of WaCT Survey:
2021

Key Waste Data

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

Total MSW collected
58%
15 t/d

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

Per capita MSW generation
1.20 kg/cp/d

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

City Recovery Rate
3%

Household and non-household waste generation

|	Average household waste generation (kg/capita/day)	Total population	Total MSW generated by households (t/day)
High income	0.60	1,180	1
Middle income	0.54	16,708	9
Low income	0.43	3,316	1
TOTAL	**0.53**	**21,204**	**11**

Total MSW generated from non-household sources (t/day):   **14**
calculated using proxy of 30 % of total MSW

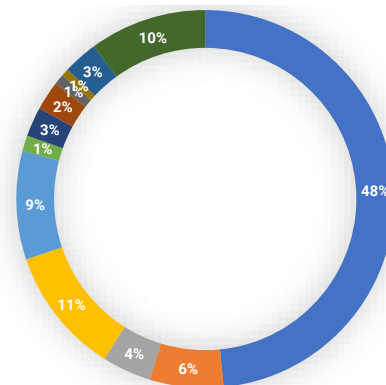# Composition of waste at the households and at the disposal site
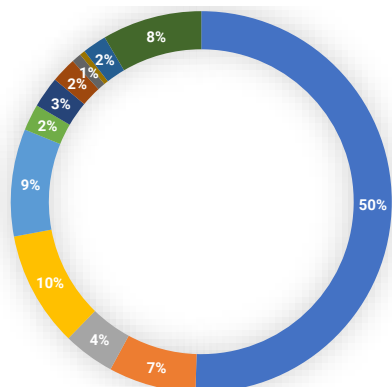
Household waste composition higher income areas
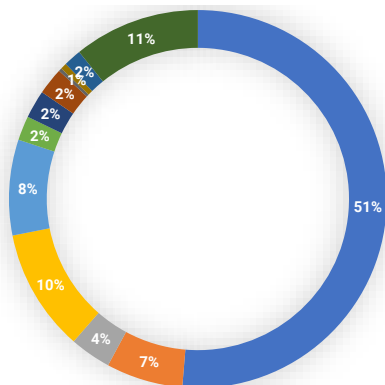
Household waste composition middle income areas
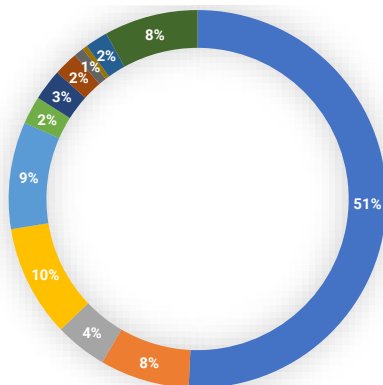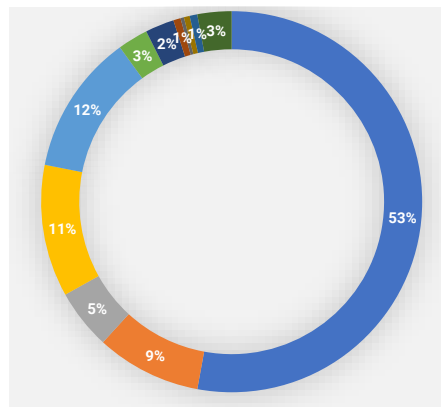

Household waste composition lower income areas

Average household waste composition
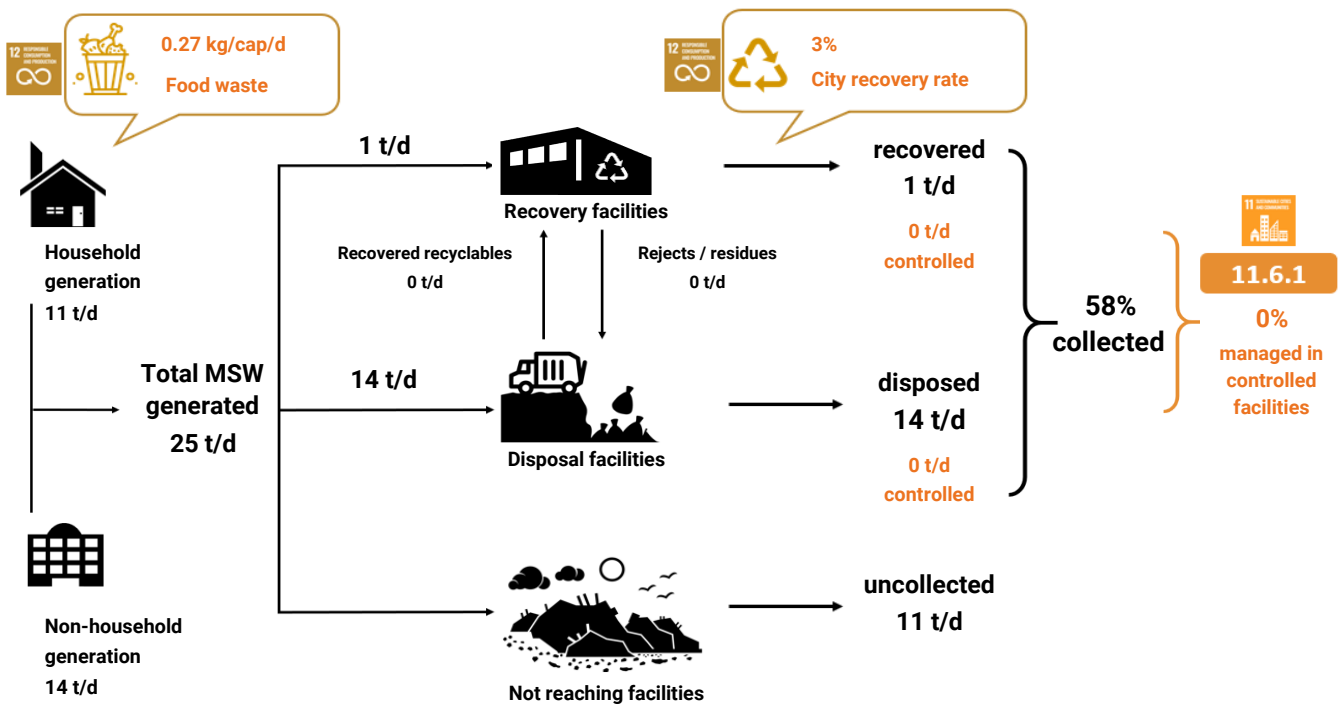

Waste composition at disposal site

- 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	6
Plastic film	1
Plastic dense	1
Paper and cardboard	0
Glass	0
Metal	0
Total	8

WaCT Flow Chart

0.27 kg/cap/d
Food waste

3%
City recovery rate

1 t/d

Recovery facilities

recovered
1 t/d
0 t/d
controlled

Household generation
11 t/d

Recovered recyclables
0 t/d

Rejects / residues
0 t/d

Total MSW generated
25 t/d

14 t/d

Disposal facilities

disposed
14 t/d
0 t/d
controlled

58% collected

11.6.1
0%
managed in controlled facilities

Non-household generation
14 t/d

Not reaching facilities

uncollected
11 t/d

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