

Prospects and Challenges on Waste Management in Africa

- Initial Result of JICA Data Collection Survey -

Kazunao SHIABATA

Environmental Management and Climate Change Group

Global Environmental Department

Japan International Cooperation Agency (JICA)



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1. Background of the Survey

Many African countries lack the basic data necessary for effective waste management.

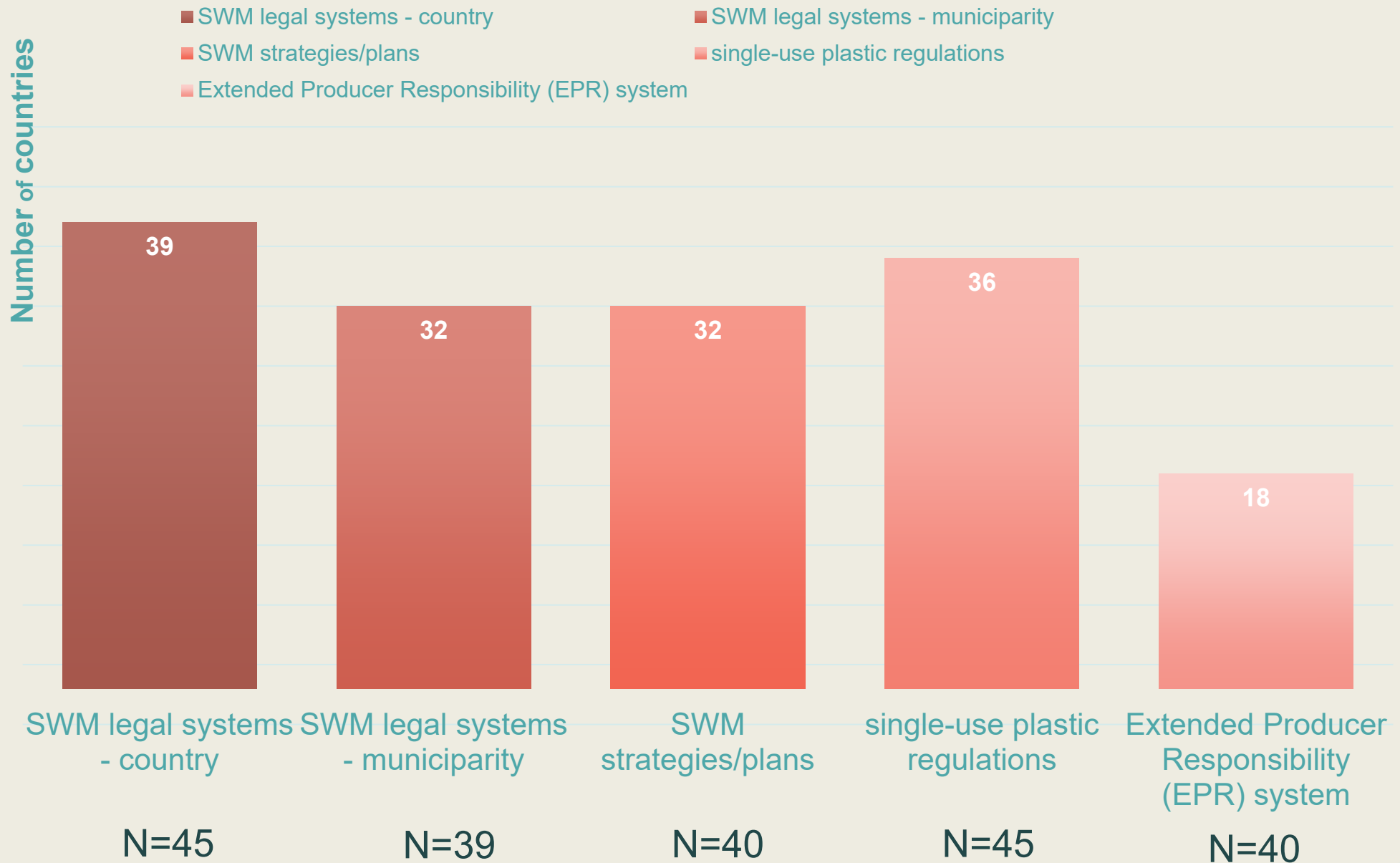
- In 2017, the ACCP was established and has continuously emphasized **the importance of data-based waste management.**
- Past surveys on waste management include the ACCP Africa Solid Waste Management Data Book 2019, UN-Habitat's WaCT survey, World Bank's What a Waste 2.0 and Global Waste Management Outlook 2024.

2. Survey Outline

Item	Contents
Objective	To grasp the current situation and challenges through data collection on waste management
Survey Target	47 ACCP member countries and cities
Survey Period	18 June 2025 – 24 July 2025
Survey method	Questionnaire survey: Conducted from June to July 2025 Desk research: Based on reports from public institutions, international organizations, and JICA Interviews: Conducted as needed
Number of countries and cities surveyed	Questionnaires were sent to 47 countries and 47 cities, and the following responses were received. 34 countries 29 cities

3. Initial Result

3-1 Legislation, Planning

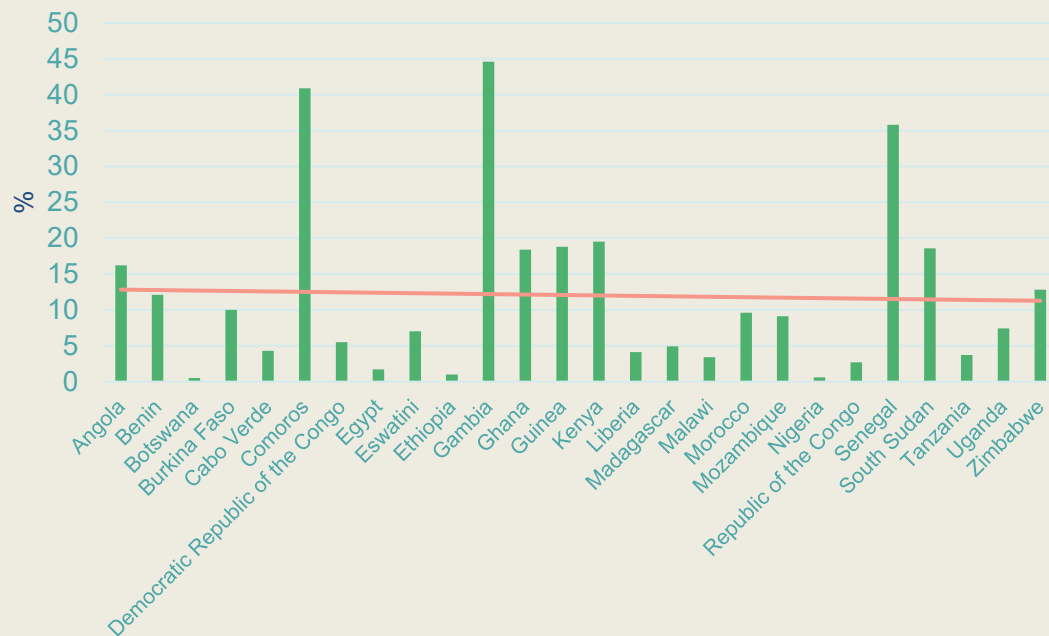


3. Initial Result

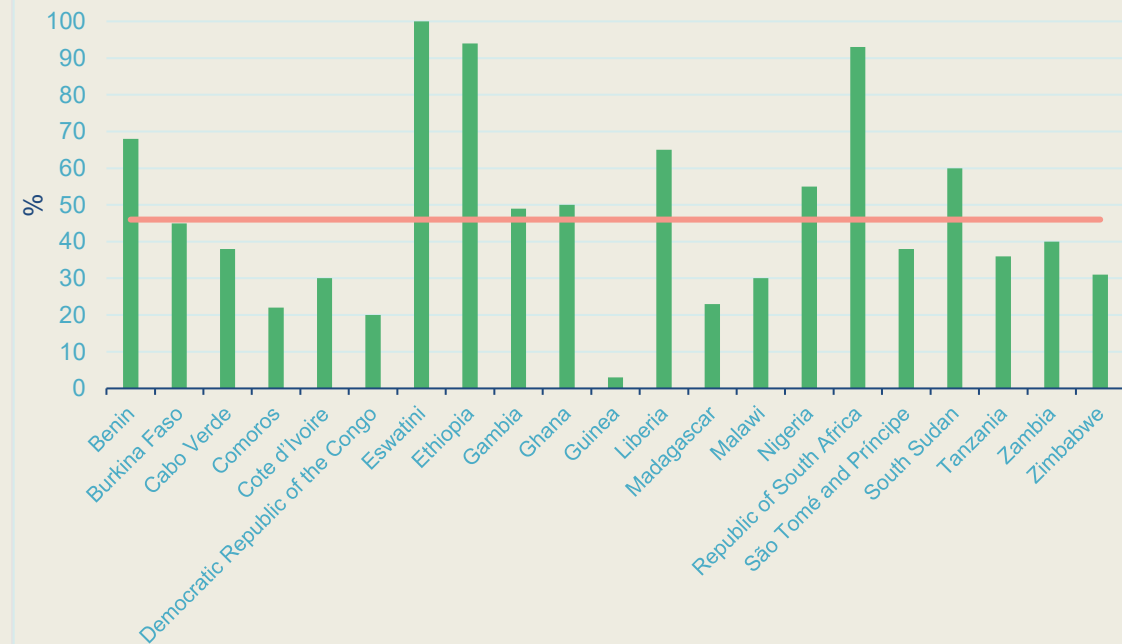
3-2 Finance

- Waste Management budget accounts for **12 %** of total city budget in average.
- Waste collection fee recovery rate is **46%** in average.

Average SWM Budget Portion (12%) N=26



Waste collection fee recovery rate (46%) N=26



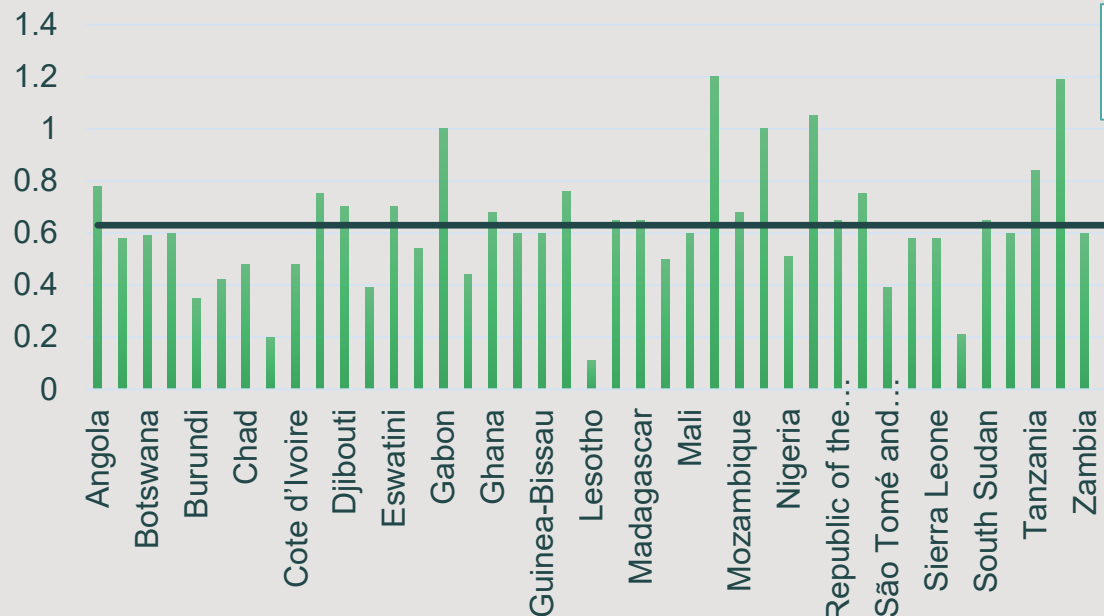
3. Initial Result

3-3 Waste generation

93% of studied cities have the waste composition data.

Average per Capita Generation
amount (0.63kg/day/person)

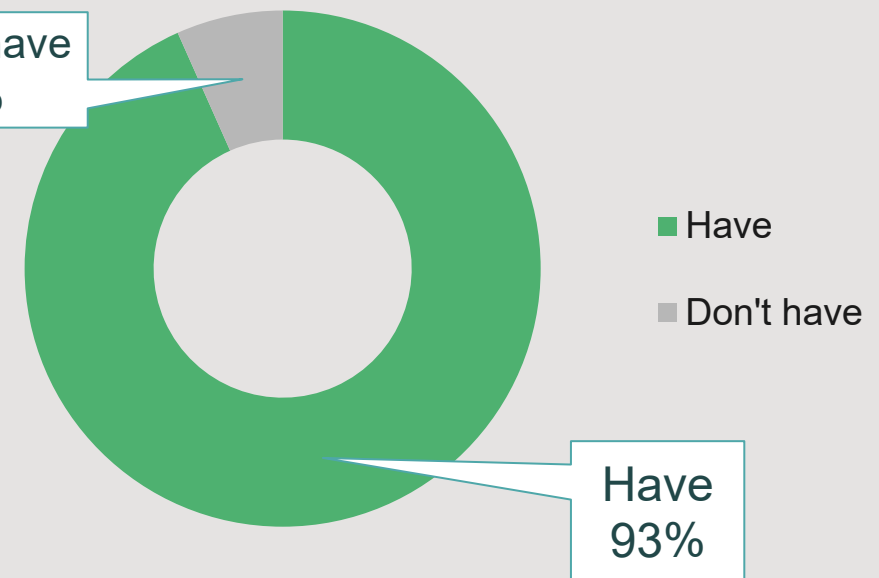
N=42



waste composition data

N=45

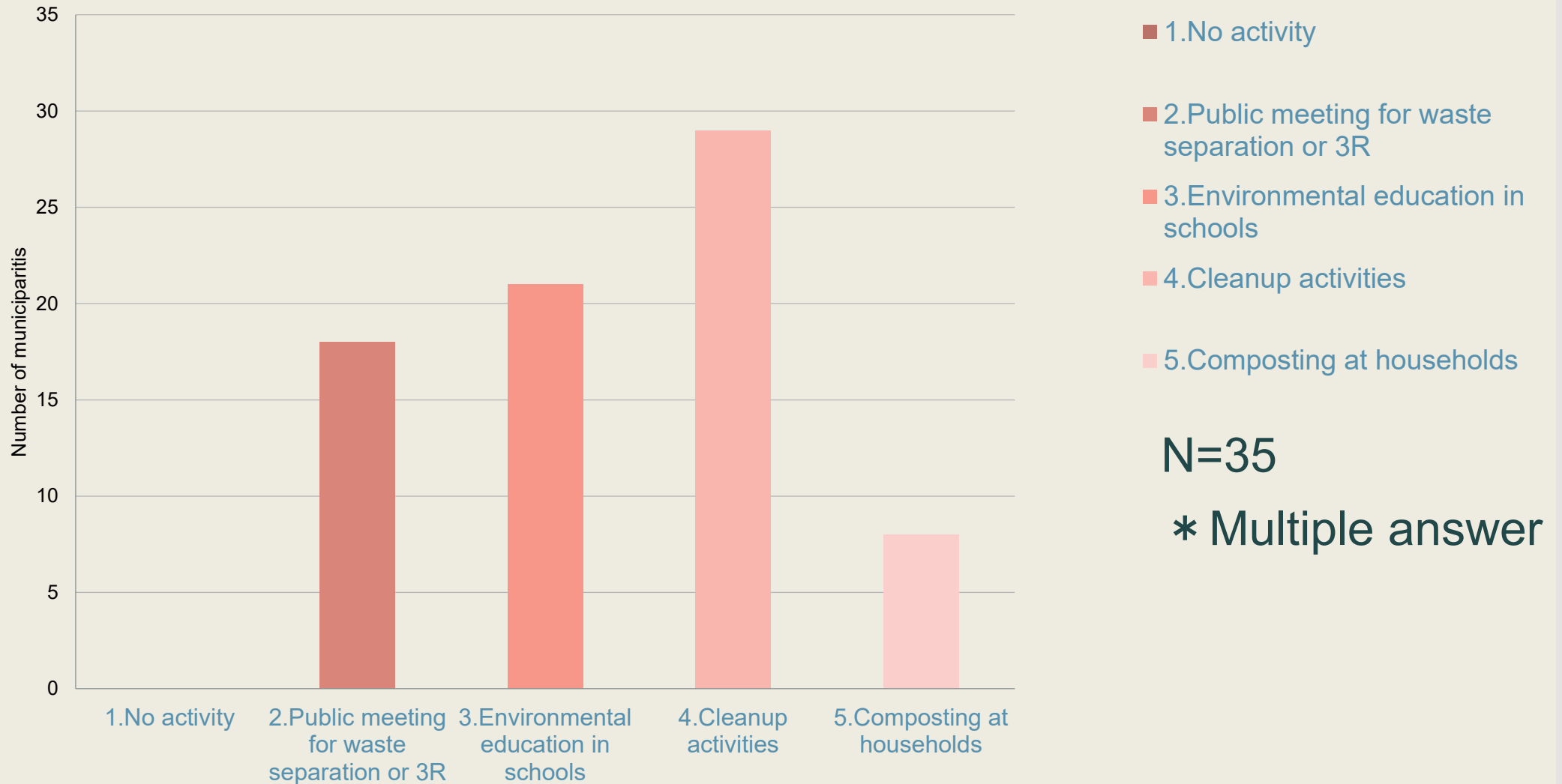
Don't have
7%



3. Initial Result

3-4 3R activities

3R activities

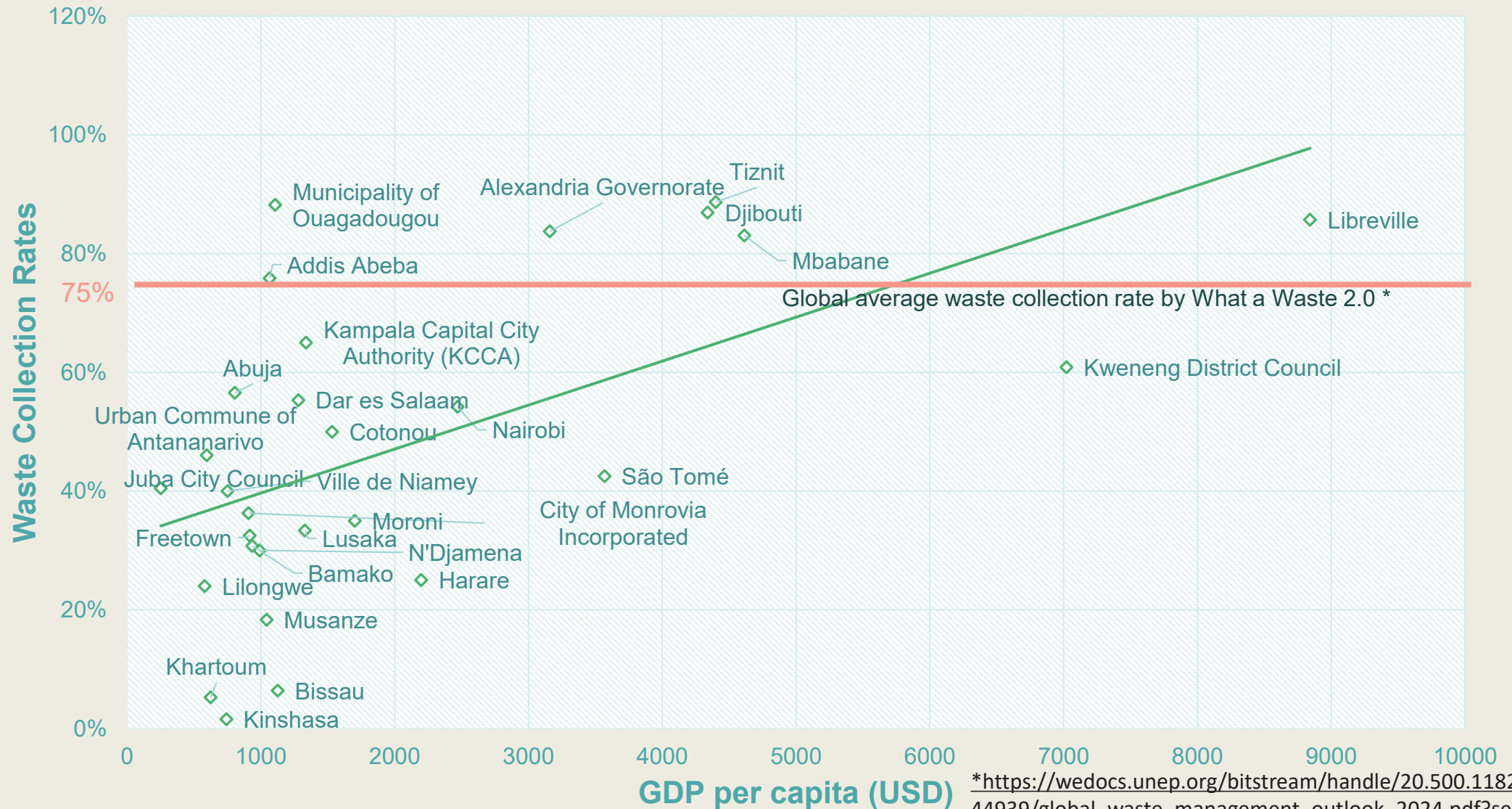


3. Initial Result

3-5 Waste Collection Rates and GDP per capita (USD)

* Waste Collection Rates = (Amount of MSW collected / Amount of MSW generated) * 100

Waste Collection Rates & GDP per capita (USD) N=29

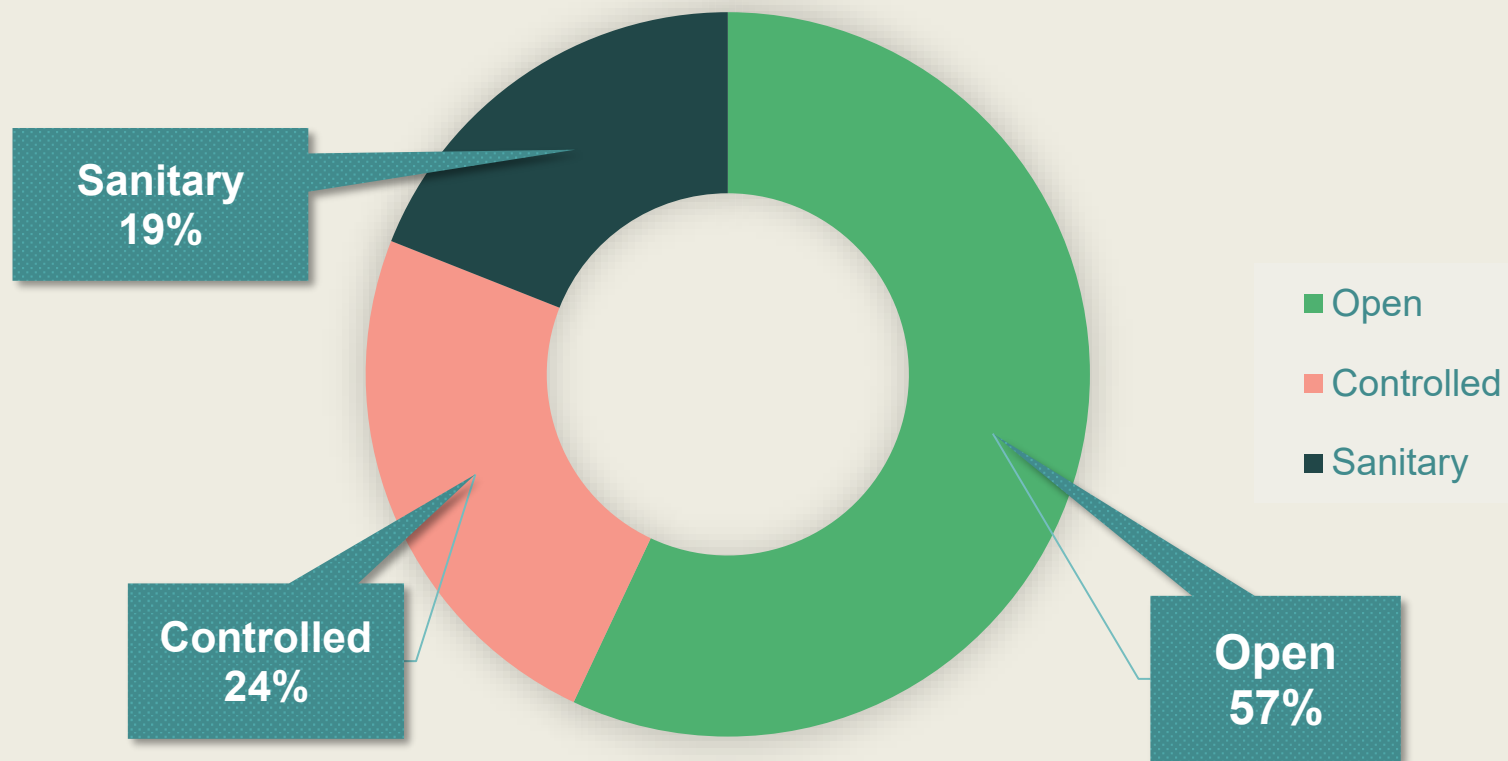


*https://wedocs.unep.org/bitstream/handle/20.500.11822/44939/global_waste_management_outlook_2024.pdf?sequence=3

3. Initial Result

3-6 Disposal facility

Type of disposal facility N=42



3. Initial Result

3-7 Findings

1

Legal systems are being developed continuously, **42%** of cities have a **dedicated waste management organization**, Establishing a dedicated department for waste management—similar to the approach taken in Japan—can be an effective strategy to enhance waste management initiatives.

2

80% of countries have **introduced single-use plastic regulations**, which is in line with the current global trend, but organizational strengthening is also important in order to enforce these regulations.

3

It is essential for residents to understand their payment obligations, as **the average waste collection fee recovery rate is 46%**

4

It is necessary to improve **Waste Collection Rate and Disposal Facilities**, but this requires improvements to vehicles and other equipment, which may also incur costs.

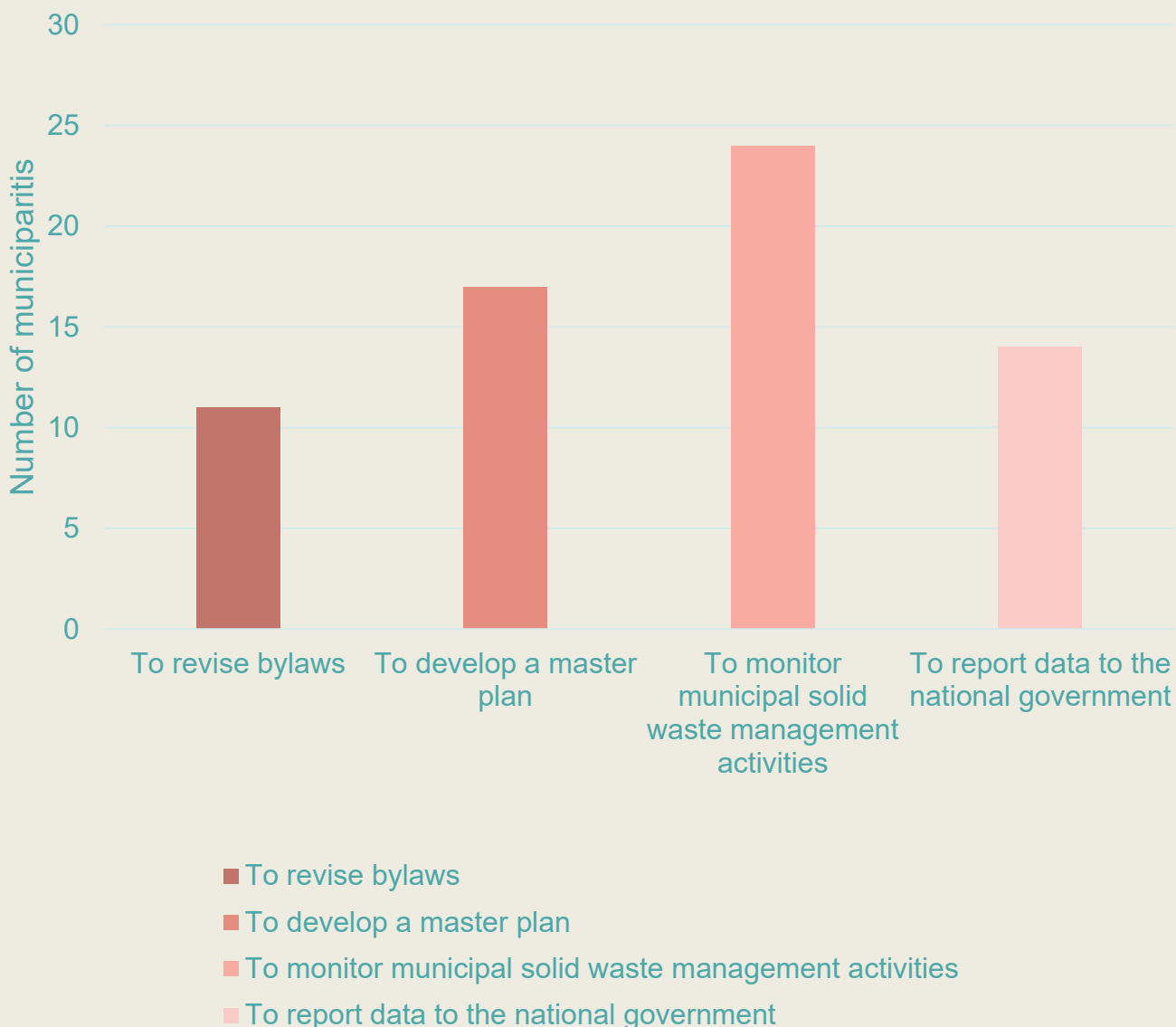
4. Initial Result: Data Collection

Number of cities responded that they collect data related municipal solid waste management

The number of countries

Collect data	27
Not collect data	3
Average number of items collected	3.5

Purpose of data collection on MSWM N=24



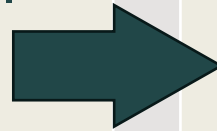
4. Initial Result: Data Collection

Data is collected mainly for monitoring purposes, and it has become an established practice. On the other hand, it seems that not many countries are utilizing the results of such monitoring in the formulation of master plans or the revision of bylaws. In the future, it would be desirable for data collection to be conducted with the premise of utilizing the data.

5. Way Forward

Progress to date:

The survey indicates steady progress in establishing legal frameworks for solid waste management.



Next step:

To ensure effective implementation and enforcement, countries should strengthen data collection, management and base policy decisions on verified evidence.

Priority challenges to be tackled:

- Standardizing data-collection methods (e.g., Waste Wise Cities Tool)
- Building capacity for data management and developing national data inventories
- Implementing evidence-based policy making

We sincerely appreciate your cooperation during the limited survey period.

Advance Notice

Publication of Dashboard on ACCP website



Waste Management Dashboard

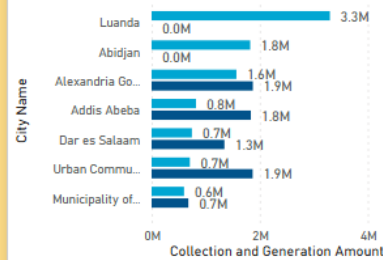
Last Updated : 2025/08

Performance by Indicator

Collection and Transportation

Waste Collection and Generation Amount

● Waste Collection Amount ● Generation Amount

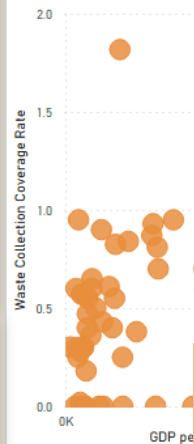


Reference Source

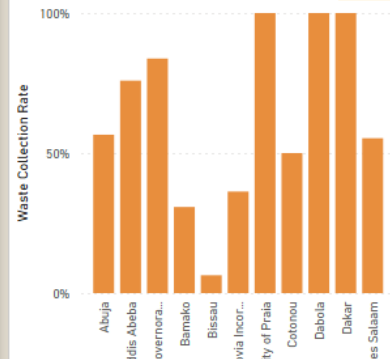
City Name Generation Amount Collection Amount

Abidjan	0	0
Abuja	0	0
Accra	https://drive.google.com/...	0

Relationship between GDP and Waste Collection Coverage Rate



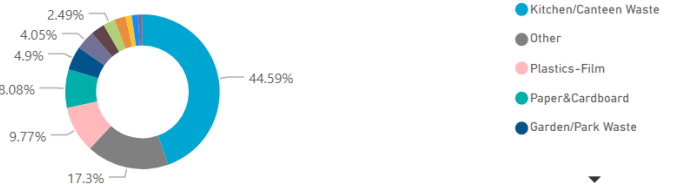
Waste Collection Rate by City



Waste Composition Category Filter

- すべて選択
- Composite Products
- Garden/Park Waste
- Glass
- Kitchen/Canteen Waste
- Metals
- Other
- Paper&Cardboard
- Plastics-Dense
- Plastics-Film
- Special Wastes
- Textiles&Shoes
- Wood (processed)

Total Waste Composition by Category



Waste Composition by Category

Composition_Type ● Composite P... ● Garden/Park... ● Glass ● Kitchen/Can... ● Metals ● Other ● Paper&Card... ● Plastics-De... ● Plastics-Film

