Progress and Challenges of the African Clean City Platform 2017-2022

Mitsuo Yoshida, Ph.D.
Senior Advisor, Global Environment Department,
Japan International Cooperation Agency
26th July 2022
Population will almost double from 2020 to 2050 in Sub-Saharan African countries. It means the waste amount generated will more than double.
Economic growth inevitably increases waste generation. This is especially noticeable in the early stages of economic growth, such as in economically developing countries. Therefore not only the population growth but also the waste generation rate accelerates the increase of waste amount (more than double?).

Data source World Bank (2019)
Currently, the average SWM service coverage rate in Sub-Saharan Africa is around 55%. However, it can be difficult to even maintain this service coverage against the rapid increase in waste generation.

Data source World Bank (2019)
In the rapid increase of waste generation and insufficient service coverage, inadequate waste management is likely to have a negative impact on public health in Sub-Saharan Africa.
How have we addressed these issues at ACCP?
Maputo Meeting 2017

- African Clean City Platform (ACCP) was founded.
- A series of knowledge-sharing seminars and participatory workshops were organized and analyzed the issues on waste management in African cities.
- Based on the result of analysis, challenges were summarized according to the 8 drivers in two categories, technical drivers and governance drivers as well as capacity development:
8 Drivers (Promotional Agents) in Solid Waste Management

Operational

- Protection of the Environment
- Combatting Climate Change - Mitigation of GHGs emission
- Securing Public Health & Living Conditions
- Sustainable Resource Management

Underpinning

- Legal System, Institution and Norms
- SWM Data, Policy, Plan and Program
- Public Awareness and Public Opinion
- Economic Benefits and Job Creation

Rabat Meeting 2018

• Three themes were discussed: (1) Data collection for the SDGs, (2) Public-private partnership, and (3) Mobilization of funds to improve waste management.
• Discussion paper for analyzing current situation of ACCP countries was presented.
• Country reports were presented for sharing good practices.
• Private sector involvement or public-private partnership were emphasized.
Special efforts for Institutional Development, such as formulating law, regulations, and guidelines, were recommended. It was also pointed that the awareness raising of decision makers is crucial for successful institutional development.
Yokohama Meeting 2019

- A Data Book on Waste Management of ACCP countries was published. It was pointed out that the problem was that the availability of reliable data was limited. Importance of data was emphasized for a better waste management.

- Many lessons were learned from the 3R and waste reduction practice in Yokohama City.

- Discussion was made on the Sustainable Development Goals (SDGs) and waste management.

- The experience of study tours have been summarized.
SWM data availability positively corresponds to the organizational and financial capacities.

吉田 (2018)廃棄物管理に係る組織及び制度レベルの段階評価指標とアフリカ諸国への適用例. 廃棄物資源循環学会第29回研究発表会論文集（名古屋大学）
Availability of SWM data correlates with effective SWM law. It also correlates with the development status of SWM monitoring system.
How are the SWM Data used? Evidence-based Approach in Management Cycle

Identifying Problems
Making Policy and Plan
Implementation
Evaluation Feedback

Descriptive Statistics of SWM Data
- Waste generation, Waste composition, Waste stream, Service coverage, Disposal, etc.

Analytical Statistics of SWM Data
- Causal Relationship, Effectiveness, Efficiency, Verification, etc.

Data Acquisition

Prioritization of policy
Decision on policy intervention

SDG 11: Make cities and human settlements inclusive, safe, resilient and sustainable
- Reduction of environmental impacts, Waste collection coverage, Landfilling rate

SDG 12: Ensure sustainable consumption and production patterns
- Waste reduction, Generation rate, Recycling rate

Ensuring Social Accountability and Public Awareness

After the 2nd Assembly 2019

From 2021 to 2022, JICA conducted in-depth study on waste management in 10 cities in Africa. It was also prepared a Guideline and Check List for preparing SWM plan. The results was reported by Mr. Yamauchi, previous speaker. It provide common challenges in the cities.

- In February 2021, UN-Habitat has launched the Waste Wise Cities Tool (WaCT), an innovation that cities can use to evaluate and improve their municipal solid waste management performance.

- This method is based on the definition of the SDG 11.6.1 and generates critical information and parameters through primary data collection.

- WaCT practice is still in beginning stage, but it is expected to mobilize funds and engage stakeholders of the waste chain.
Progress of ACCP

Maputo (2017)

Rabat (2018)

Yokohama (2019)

Tunis (2022)

Data Collection, Data Book

Improving Landfill

WaCT

Exchange of information, Webinars, Study Tours, Data Book

Analysis of Institution, Organization, Finance, and Private Sector

Problem Analysis in Workshops

Regional Study

In-depth Study of Target Cities

Operational Factors

Underpinning Factors
Conclusions

• The efforts of ACCP over the last five years have clarified the challenges for improving the waste management in African cities.

• With today's population growth and urbanization, there is little doubt that amount of waste generated in Africa will more than double by 2050.

• At this rate, waste management systems can become dysfunctional, even today with 50% waste collection service coverage. It leads to a significant deterioration in public health conditions. This is nothing more than a human-made disaster.
Conclusions (continued)

• First, it is required to focus on enhancing the waste collection & capacity (= improvement of service coverage), and then to construct a landfill site for proper disposal of the waste collected in this way.

• For that purpose, it is necessary to develop institutions, establish the implementation system/agency, and promote sufficient investment for infrastructure development regardless of public or private sectors.

• Under firm ownership of partner countries, ACCP will play important role to provide a place/hub for information exchange, collect/share the data on SWM, and to promote technical cooperation for supporting.
Thank you for your attention.

Presentation to the Session 2 “ACCP’s Approach towards the Common Challenges in SWM in Africa”, ACCP Assembly Week, 25th -29th July 2022.