

JCCI International Seminar 2023

JICA's Initiatives in Regional Cooperation

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Time (JST)	Title	Presenters
13:30-13:45	JICA's Initiatives in Regional Cooperation	Ms. SHIMODAIRA, CHIE Director, Environmental Management Group, Global Environment Dept., JICA
13:45-14:15	African Clean Cities Platform Achievements so far and Future Prospects	Ms. TAKEUCHI, NAO Human Settlements Officer (Waste Management), Urban Basic Services Section, United Nations Human Settlements Programme: UN-Habitat
14:15-14:45	Capacity Development for Integrated Solid Waste Management in Maputo	Mr. SILVA MAGAIA Councilor, Maputo City, Mozambique
14:45-15:00		
15:00	Closing	

1. Overview of JICA's Regional cooperation
2. African Clean Cities Platform
3. J-PRISM
4. Way Forward

1. Overview of JICA's Regional Cooperation

Solid Waste & Inappropriate Disposal

- Odor & deteriorated landscape
- Vector-borne, water-borne & respiratory /cardiovascular diseases

For the Residents:

- Deteriorating public sanitation & living environment
- Increasing health damage and risks



Water Pollution

- Discharge and accumulation of waste (including plastics) in rivers/ocean
- Pollution of public water, groundwater & soil

For the Country:

- Urban & environment issues
- Negative impact on tourism, fishery & economy



Air Pollution

- Generation of greenhouse gas (e.g. methane) from waste facilities, etc.

For the Earth:

- Marine plastic litter
- Global warming
- Damage to ecosystem

Glowing need to address cross-border issues

Commonality of improvement direction

Lack of Institutional/Administrative Capacity and Physical Infrastructure
Low Policy Priority and Public Awareness on Environmental Protection

- ◆ Dialogue with diverse stakeholders, including development partners, local authorities and the private sector
- ◆ Scale-up of projects and/or their outputs of JICA cooperation over a wide area in collaboration with various partnerships and utilizing external funds and resources
- ◆ Sharing effective measures and 'live examples and lessons learned' through active dissemination of knowledge from developing countries.

⇒ **Promote initiatives for comprehensive improvement of the urban environment and realize 'clean cities'**

Key platforms / partnerships

Global: Japan Platform for Redesign: Sustainable Infrastructure (JPRSI), Waste Wise Cities Campaign (WWCC), Alliance to End Plastic Waste (AEPW), C40

Regional: ACCP, J-PRISM, 3R Promotion Forum
Water Environment Partnership in Asia (WEPA)



2. ACCP

African Clean Cities Platform

- Established in 2017, as a follow-up of TICAD VI
- Joint initiative of the Ministry of the Environment, JICA, UNEP, UN-HABITAT and the City of Yokohama.
- An open platform to support African countries/cities to find their own measures and solutions for appropriate waste management towards the achievement of SDGs.

1. Knowledge sharing and networking

- ACCP General meetings: Plenary in Mozambique, 2018, 1st in Morocco, 2018, 2nd in Yokohama, 2019 and 3rd in Tunis, 2022 (online)
- Training in Japan and third countries
- Thematic seminars/workshops and study tours
- Information dissemination (web, SNS, newsletters, etc.)
- Collaboration with JICA Volunteers

2. Promotion of SDGs targets on waste management

- Collection of waste management data from member countries/cities
- Development of SDG indicator monitoring methodology

3. Promotion of investment in waste management

- Coordination of participation by donors and international organizations
- Identification of projects for Japanese stakeholders
- Providing information and opportunities to the private sector



Ministry of the Environment

UN HABITAT

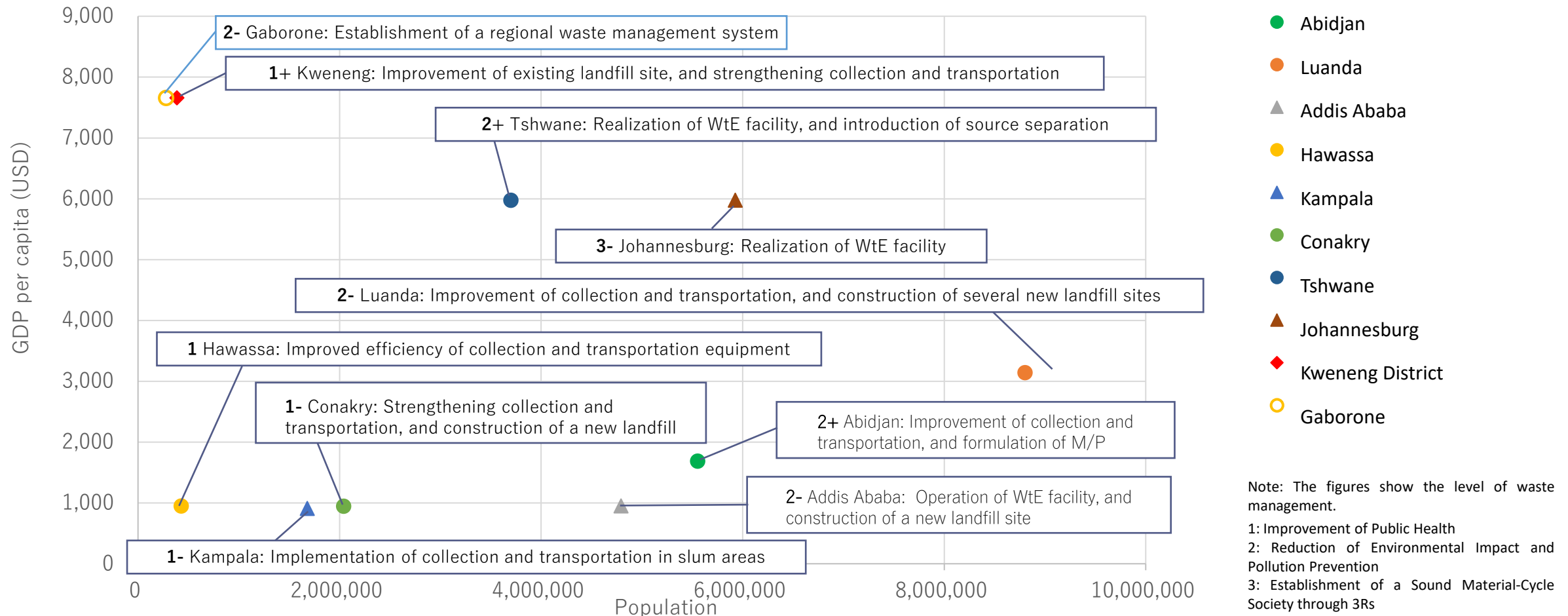


United Nations
Environment Programme

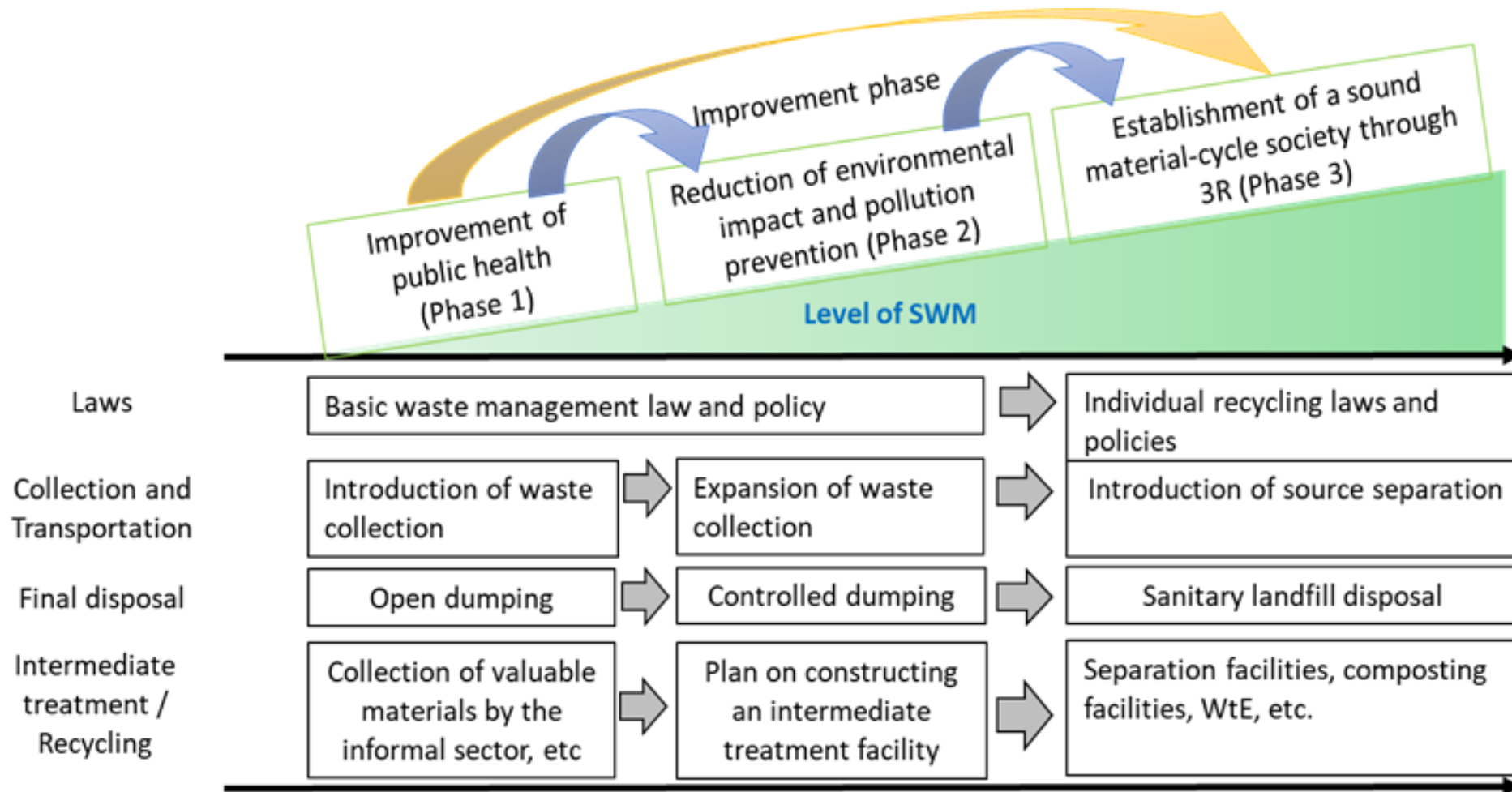


Through series of regional studies, categorize issues based on population size and socio-economic conditions, cities, as well as identify distinctive initiatives.

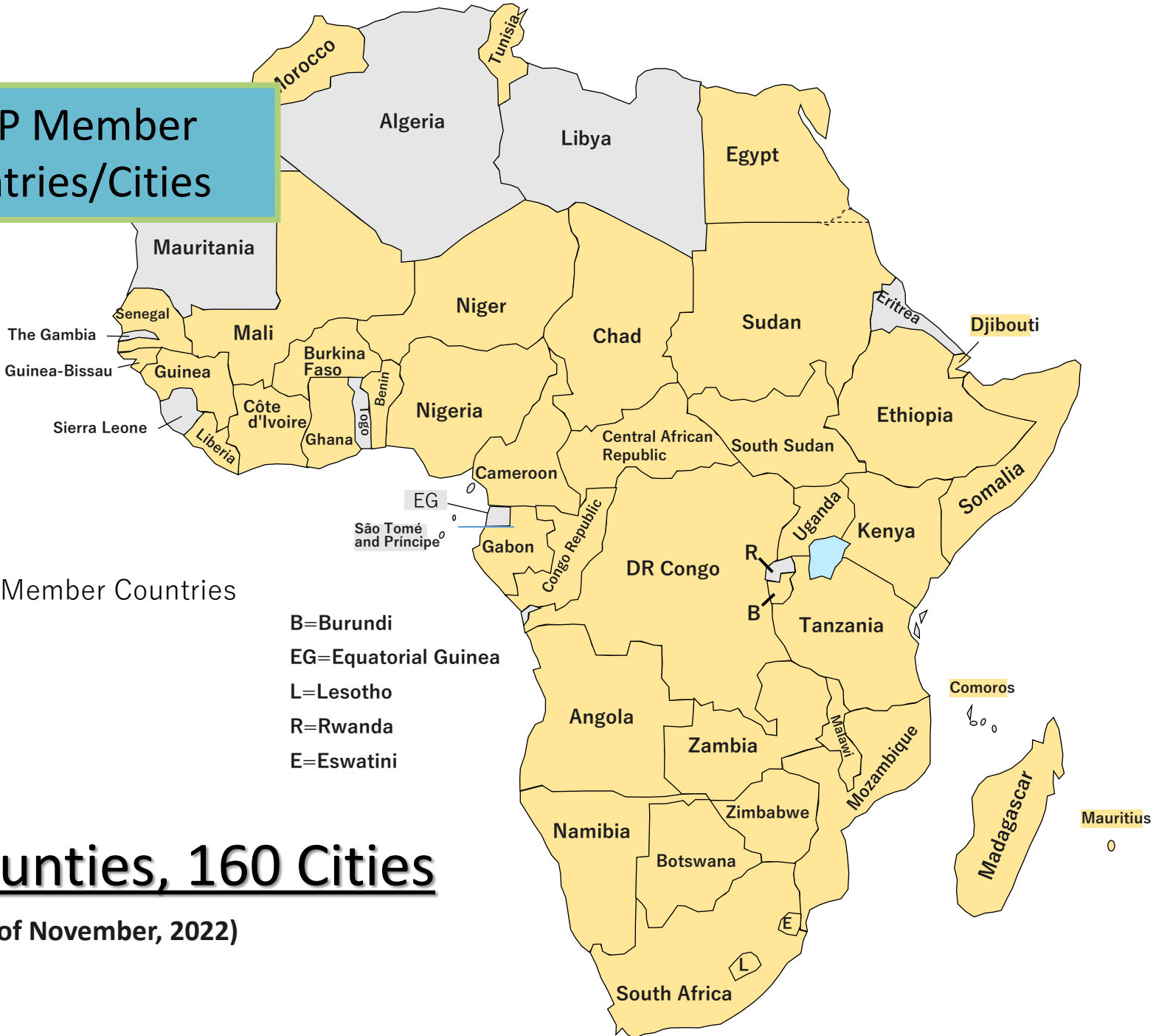
- [Data collection survey on municipal solid waste management in African cities \(2021-2022\)](#)
- [Data collection survey on waste management in African cities \(2019-2020\)](#)



- Utilizing experiences of cities at higher levels as practical lessons for cities at lower levels.
- Identifying key resources such as countries/cities with JICA cooperation and sharing their knowledge via ACCP's region-wide activities



ACCP Member Countries/Cities



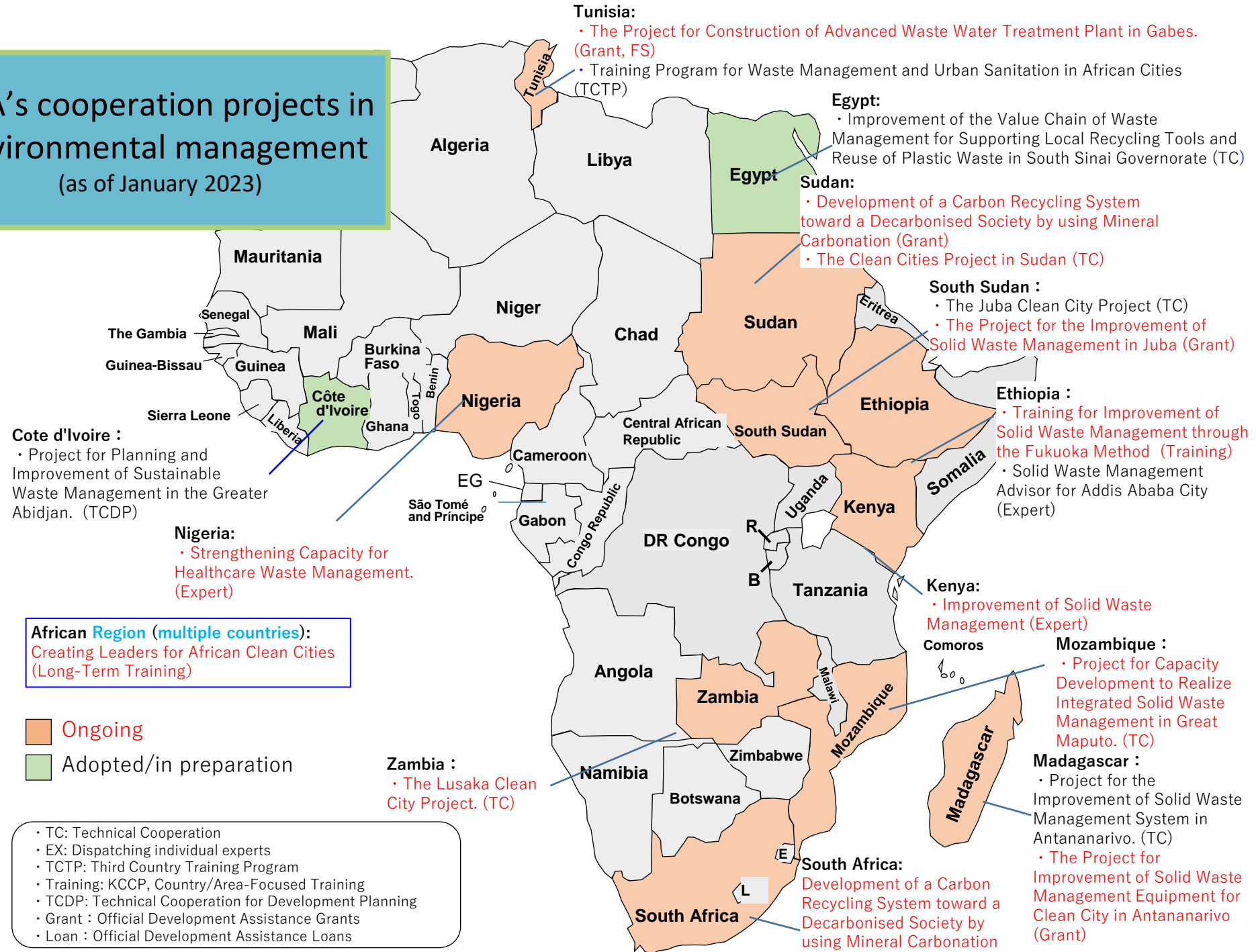
Member Countries

- B=Burundi
- EG=Equatorial Guinea
- L=Lesotho
- R=Rwanda
- E=Eswatini

43 Countries, 160 Cities

(As of November, 2022)

JICA's cooperation projects in environmental management (as of January 2023)



3. J-PRISM

Japanese Technical Cooperation Project
for Promotion of Regional Initiative
on Solid Waste Management
in Pacific Island Countries

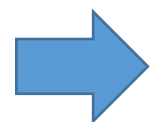
Remote and Scattered Islands

- limited access to the international markets
- Inconvenience of transportation
=> Wastes remain and overflow in islands may cause environmental risks



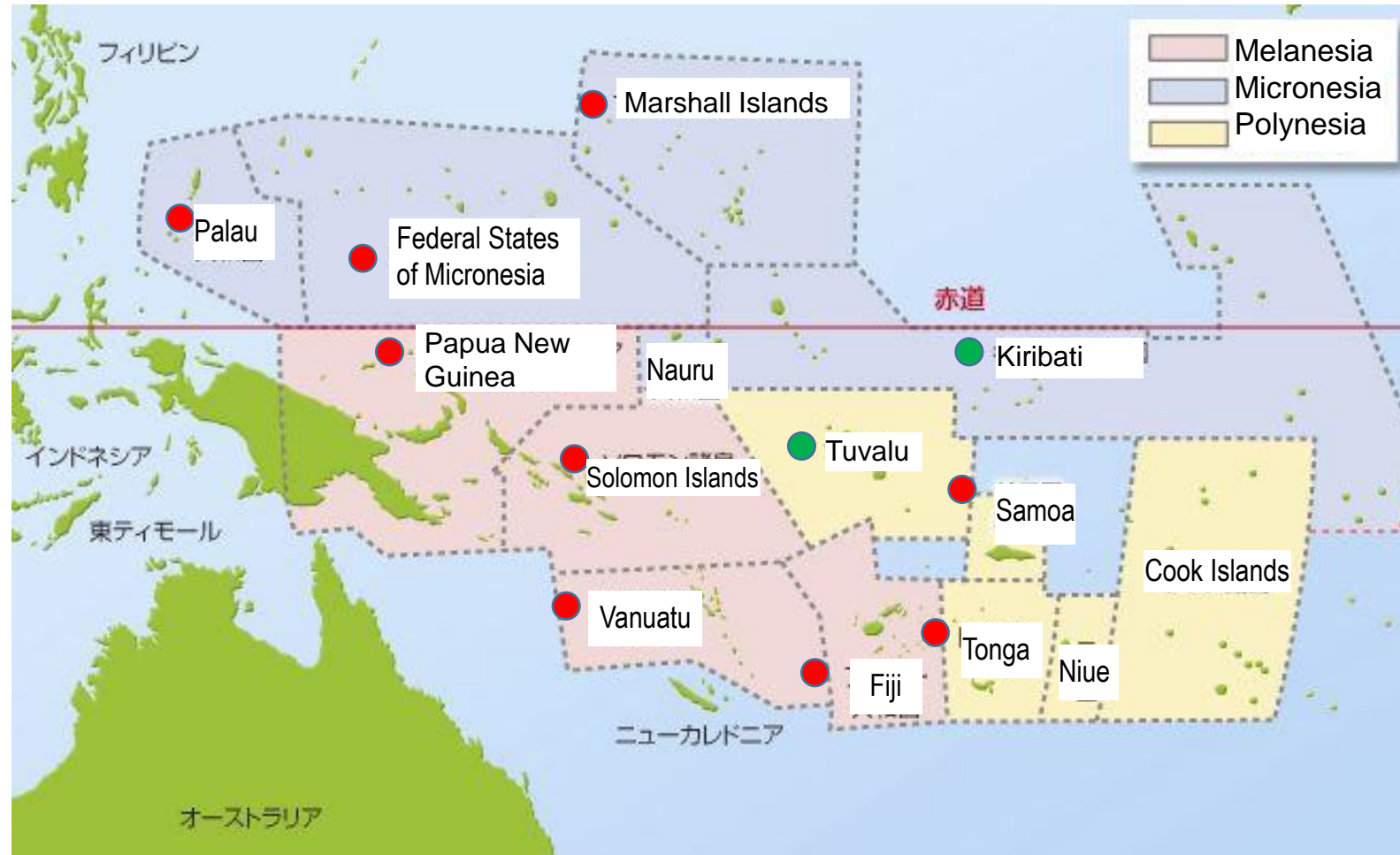
Small Scale of Land and Economy

- Limitation in the land use
=> Insufficient space for waste disposal
- Dependency on imported goods
=> Difficulties in controlling material flow
- Small domestic market
=> Lack of functional recycle market/system
- Changes of lifestyle, population growth and concentration in the capital city
- led to Increased and diversified waste.

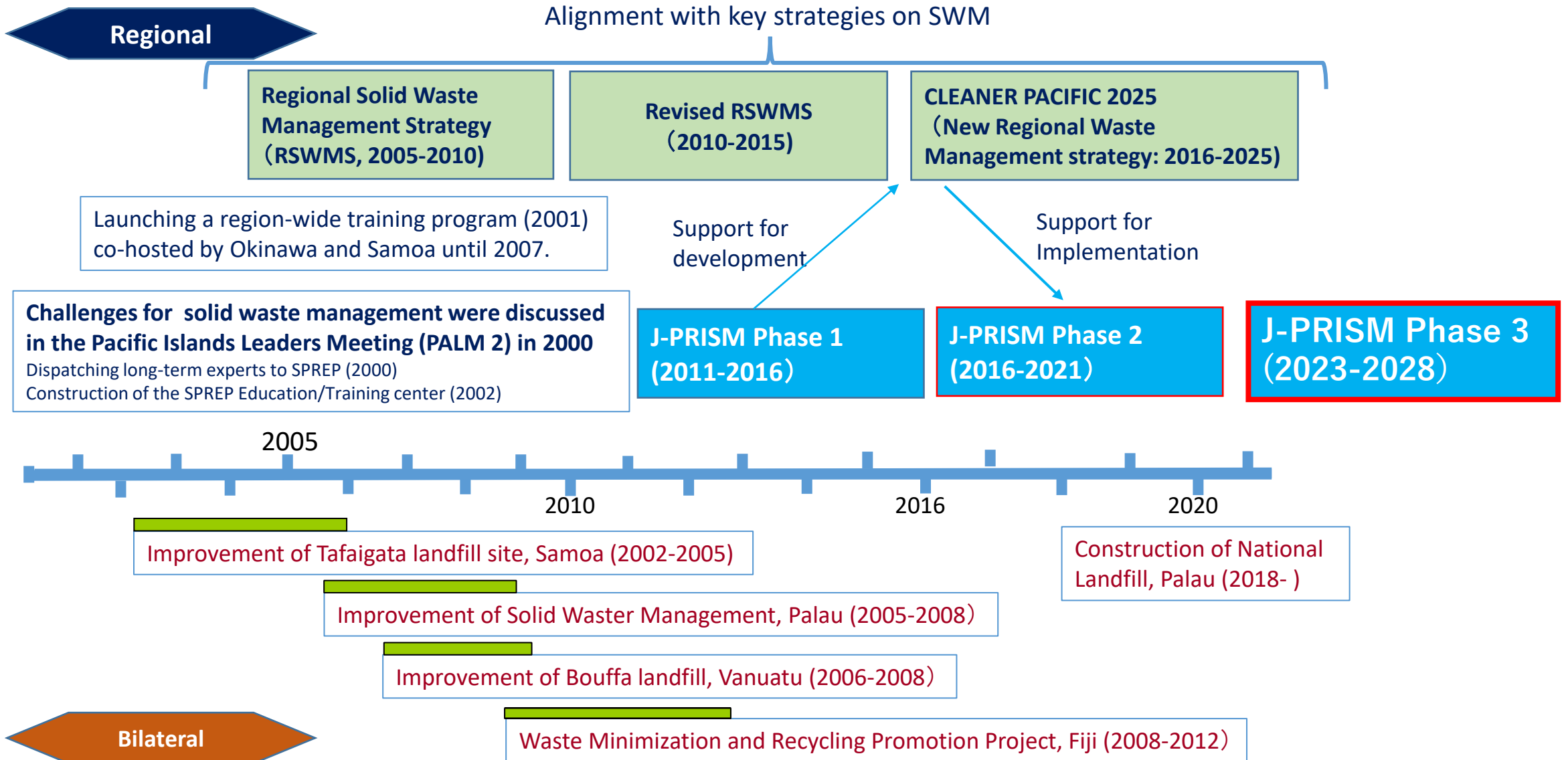


Urgent needs for reduction of waste and shift to the Sound-material cycle society

Target Countries of J-PRISM



Phase 1 : 11 countries ● + ●
 Phase 2 and 3 : 9 countries ●



Achievements so far

- Capacity of the "first stage" of waste management has been strengthened, such as collection, transportation, and final disposal.
- In countries where there has been no systematic waste management structure, continuous waste management system has been established through development of human resources for waste management.

Expected Outcomes of Phase 3

- Strengthen the capacity of countries that still face challenges in weak collection, transportation, and final disposal capacities, in order to raise the level of the entire region.
- Strengthen recycling capacity in each country to enhance sorting, reuse, and export of recycled resources.
- Develop strategies for future waste management and resource recycling throughout the region.

Future Direction

Aiming to present a model of a sound material-cycle society for small island nations.

- Cooperation Scheme : Technical Cooperation Project
- Target Countries : Palau, FSM, RMI, PNG, Solomon, Vanuatu, Fiji, Tonga and Samoa
- Target Group: Government officials and waste/recycle workers
- Project period: April 2023 – December 2027

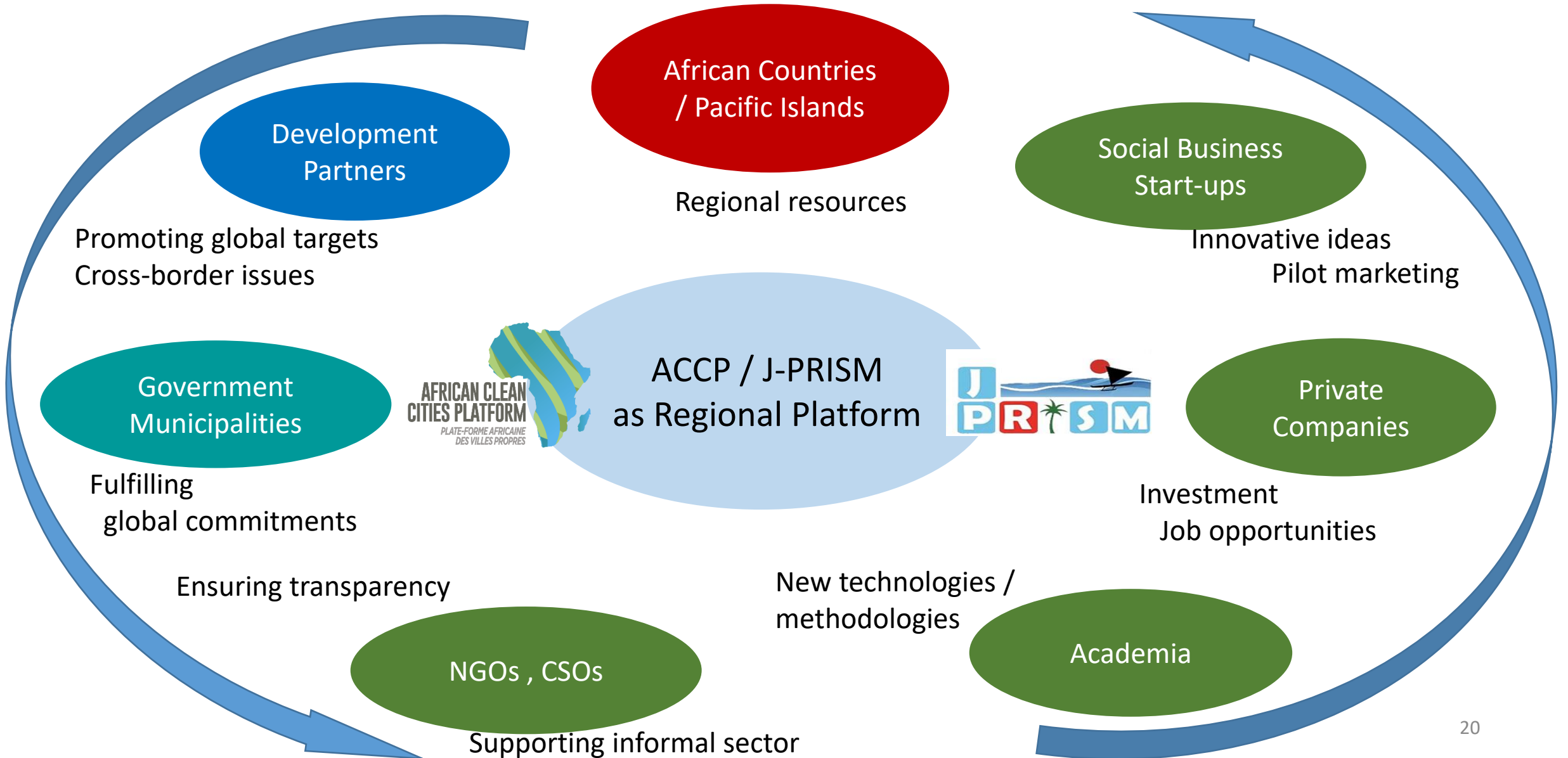


Overall Goal: Basic framework and necessary measures towards sound material cycle society through 3R+Return are in place in the Pacific region.

Project Purpose: The mechanism for self-sustaining solid waste management and 3R+Return is strengthened.

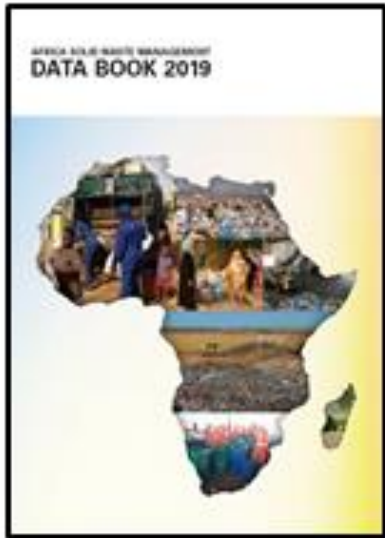
- Output 1. Organizational, institutional and financial capacities on solid waste management are enhanced/improved.
- Output 2. Capacity of providing public services on waste management is enhanced.
- Output 3. "3R+Return" System is promoted.
- Output 4. The knowledge and experiences in the region are shared.

4. Way Forward



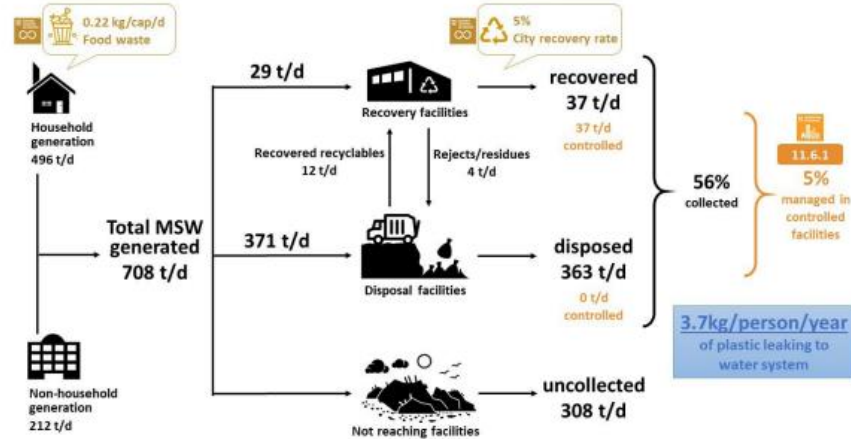
Cross-regional data collection

*Africa Waste Management Databook
2019*



Introduction of common tools

Waste flow diagram by Waste Wise Cities Tool (SDG 11.6.1 monitoring tool by UN-Habitat)



Tools for developing countries to understand the current status by themselves

Checklist for grasping the general situation of waste management

Major item	Sub item	Content
1 Organization/institution	1-1 Organizational structure	• Waste-related organization chart, number of staff assigned to each department
	1-2 Laws and regulations	• Laws and regulations related to waste management • Laws and regulations related to environmental assessment • Laws and regulations related to environmental protection standards
	1-3 Policies	• National waste management strategy • Waste management plan (master plan)
2 Finance	2-1 Financial management	• Annual budget • Annual income and expenses • Fee collection system
3 Society/community	3-1 Resident participation	• 3R and resource recycling efforts in society/the community
	3-2 Environmental education and awareness-raising activities	• Environmental Week, environmental events • Environmental education programs in schools
	3-3 Informal sector	• Waste picker existence and activity locations (in town, transfer station, final disposal site, etc.)
4 Collection and transport	4-1 Overview of collection	• Emission and waste separation rules • Collection service area • Flow of collection and transport from households to final disposal site (existence of primary collection, existence of a transfer station, etc.)

Technical guidance for data management

Survey of waste volume and waste composition



	Type	Checklist
5 Intermediate treatment/recycling	General Overview	1. Target country/region/city 2. Issues and key factors in waste management 3. Overview of Waste Management 4. Donor Support
		Basic Information
6 Final disposal	Basic Information	1. Organization/Institution 2. Finance 3. Society/Community 4. Collection and transportation 5. Intermediate treatment/Recycling 6. Final disposal



Above Left: Sudan to Bangladesh on municipal solid waste management (November 2022)

Above Right: Dominican Republic to Peru on Landfill Management (November 2022)



Left: ACCP Study Tour on Fukuoka Method landfill in Addis Ababa, Ethiopia (December 2018)