



National Policy Support for Evidence-based Decision-making

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#### The Waste Crisis: Key Statistics

2.1
Billion Tons

Municipal solid waste (MSW) **generated annually**.

**55**%

Percentage of MSW that is **managed in** controlled facilities



Percentage of waste in **low-income countries** that is discarded in **unregulated dumps or burned openly** 



Number of people in developing countries who die each year due to diseases from mismanaged waste



2019 @ South Tangerang, Banten, Indonesia



2021 @ Buriganga river, Bangladesh





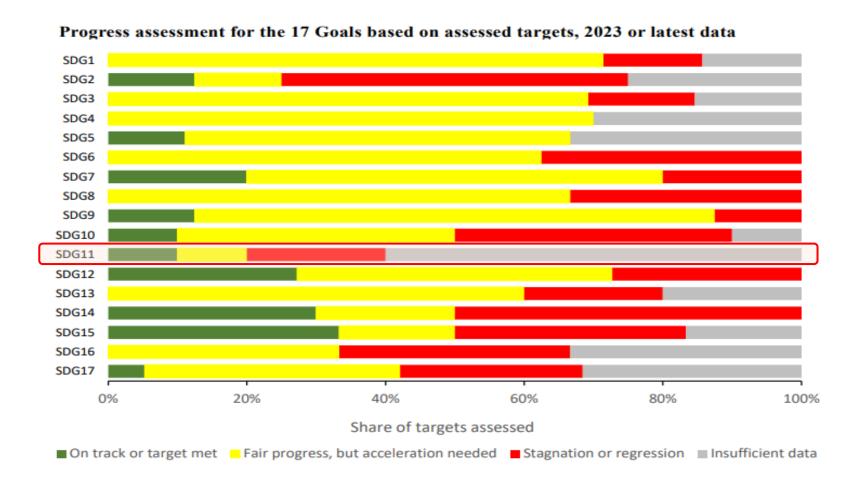
#### Waste Impacts ALL Sustainable Development Goals







#### SDGs and Data Gaps for Solid Waste Management

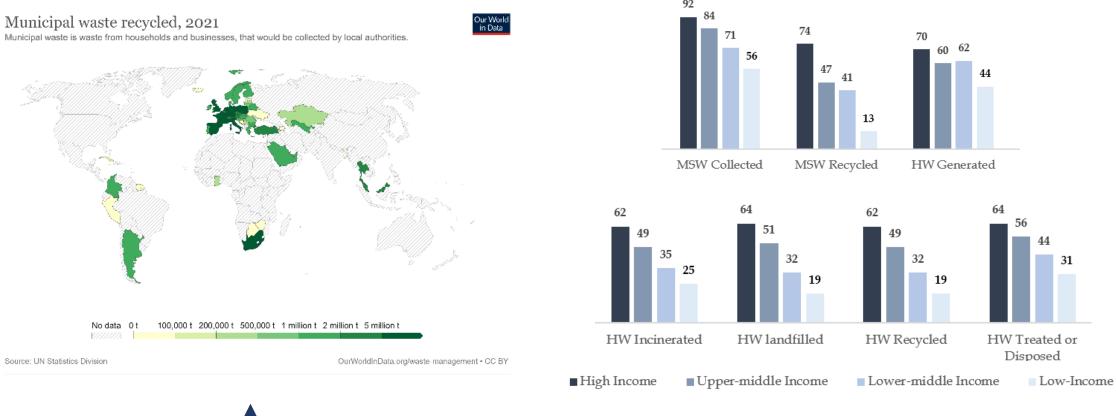


SDG 11, related to MSW management, has the most insufficient rate of reliable data





#### SDGs and Data Gaps for Solid Waste Management





Indicator 12.5.1: **Very limited Recycling data** globally, Lack of capacity at local levels.



Reporting rates of SDG indicators vary by income level.





#### A Critical Need for Bridging Data Capacity Gaps





#### **Expert Group Meeting for Consultation**

21–23 November 2023, Incheon, Republic of Korea

























1

The rate of global natural resource exploitation is unsustainable, and production and consumption rates cannot continue on the current trajectory.

2

Policy support needs to be context specific and account for; varying definitions within the sector, differing composition of waste by country and rural-municipal areas, split ministerial responsibilities – including for budget management, and cultural sensitivity.

3

The lifecycle approach is key for resource circularity and sustainable solid waste management.

4

Coordination between key stakeholders in national and local governments, businesses, and the scientific community are necessary for successful programmes.

5

The informal sector is a vital part of SWM in developing countries, the sector needs to be treated with sensitivity and integrated into policy support systems, policies and strategies.

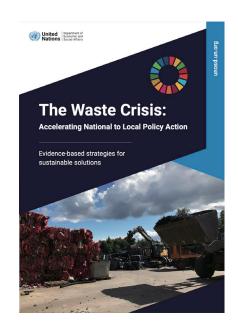
6

Implementation of policies and strategies is a main challenge in many developing countries, and implementation of behaviour change strategies requires more focus in many countries.





#### Waste Management Data for Evidence-based policy



MAIN PUBLICATION



15

Years

Average age of waste management data from low-income countries

SUMMARY FOR POLICY MAKERS



#### Reliable waste management data:

- Informs decision making
- Allows for identification of baselines and trends
- Allows for appropriate resource allocation
- Attracts financial investment
- Provides the opportunity to monitor progress





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### **Key matrix of WMPSS**

#### Waste Lifecycle

- Generation
- Source segregation
- o Collection, transport
- Sorting
- Treatment, disposal

# Policy Assessment Components

- Capacity
- Public governance
- o Engagement
- Finance
- Monitoring
- Status





Home Knowledge About

Capacity

**Public Governance** 

**Engagement Of Key Stakeholders** 

Finance

Monitoring

Status

**Human Resource Section** 

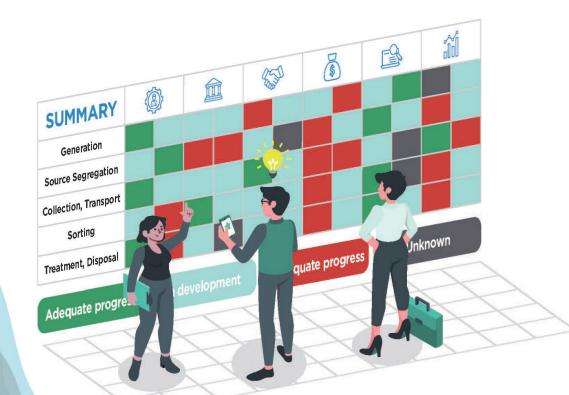
Technology & Infrastructure

General									
Is there an Integrated Solid Waste Management (ISWM) system in place?	Yes	Almost	Partially	Developing	No				
Is there ongoing research and public projects for modernizing and building waste management facilities?	Yes	Almost	Partially	Developing	No				

Generation									
Is there technology and infrastructure available to help reduce waste	Yes	Almost	Partially	Developing	No				
generation? (e.g. biodegradable plastic, home composting facilities)	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$				

# **Key outcome of PSS**

- Progress assessment with color code
- Waste data trends analysis





## **UNSD/UNEP Questionnaire on Environment Statistics (Waste)**



Data collection is implemented through the biennial Questionnaire on Environment Statistics. Data collection started in 1999. UNSD environmental indicators derived from these data, as well as for the eight other themes, are now available.

- UNSD environmental indicators
- Country Snapshots
- Country Files (waste and water)
- Questionnaires (waste and water)

Waste

Morocco (2016)

Progress to be updated

#### Based on the success story in the field of SDG 6



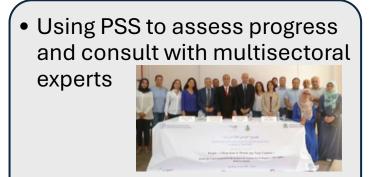






#### Based on the success story in the field of SDG 6

- ✓ Consultation platform between multisectoral experts in national context
- ✓ Assistance to SDG 6 indicator reporting
- ✓ Assessment of national progress in SDG 6 enabling environments



 PSS help include SDG 6 in VNR 2021 and prioritize it

Turkiye



 PSS introduction with national/provincial workshops



SDG 6 reporting with PSS assistance

Pakistan



- Publishing national PSS experience
- Action plan to overcome weaknesses



Brazil







### **Next Steps**

#### Launch the online system for country users

- Enhance system interface for better user experience
- Questionnaire guideline/reference links to be added

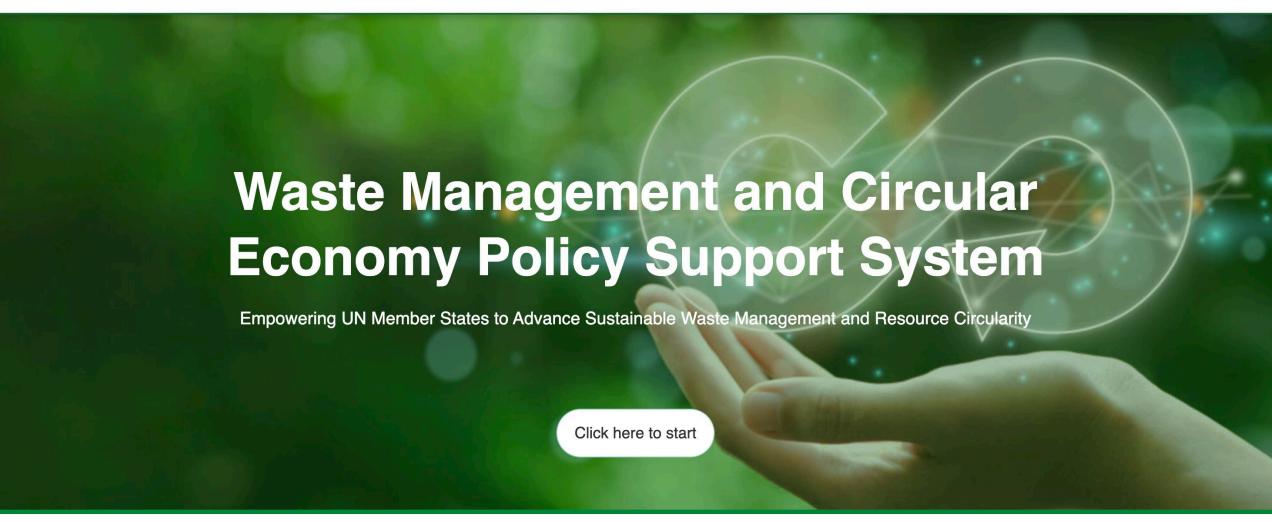
#### **Regional Workshops in 2025**

- East Africa: End of March in Madagascar
- LAC: May in Brazil (World Circular Economy Forum)
- West Africa: August in Ghana









#### **THANK YOU**

If you're interested, please contact UNOSD/DSDG sara.castrohallgren@un.org

