SDG 11.6.1 – Current Methodology

Provided by UN-Habitat

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- **SDG and Waste SDG Indicators**
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Methodology

Proposed Rewording of SDG 11.6.1

% of urban solid waste regularly collected and with adequate final discharge with regards to the total waste generated by the city

% of municipal solid waste collected and managed in controlled facilities with regards to the total waste generated by the city

Methodology
Keyword Definitions

Municipal Solid Waste:

Wastes generated by households, and wastes of a similar nature generated by commercial and industrial premises, by institutions such as schools, hospitals, care homes and prisons, and from public spaces such as streets, markets, slaughter houses, public toilets, bus stops, parks, and gardens. The definition of MSW should follow the local definitions so it is important to annotate the local and national definition(s) of MSW. However, MSW should exclude the mineral waste.

Total Municipal Solid Waste Generated by the City:

The sum of collected municipal solid waste and uncollected municipal solid waste**.**

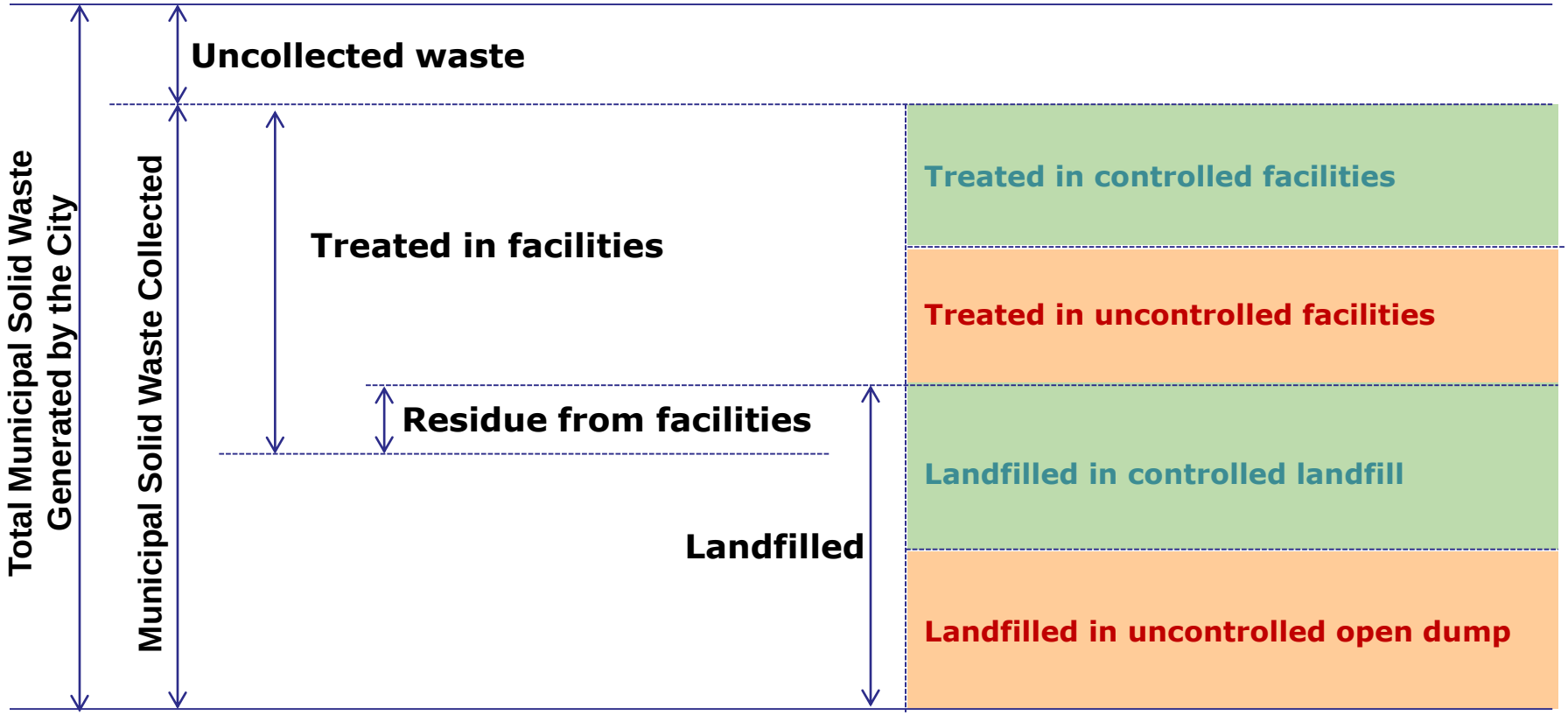
Municipal Solid Waste Collected:

Waste that is regularly collected from specific addresses or designated collection points.

Municipal Solid Waste Managed in Controlled Facilities:

Wastes being accepted in a facility that has reached at least an intermediate level of control out of collected municipal solid waste.

Methodology
Concept Model



$$\%\ of\ MSW\ collected\ and\ managed\ in\ controlled\ facilities = \frac{Amount\ of\ waste\ collected\ and\ managed\ in\ controlled\ facilities\ - Residue}{Total\ MSW\ generated\ by\ the\ city}$$

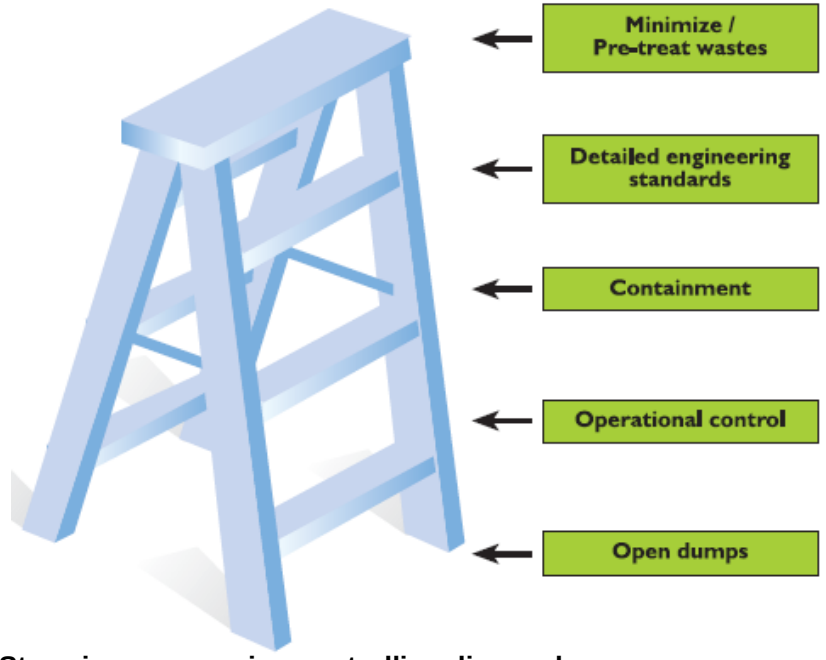
Methodology
Definitions

MSW Managed in Controlled Facility: QUALITATIVE JUDGEMENT

Based on 'degree of environmental control' of facility

- Degree of control over waste reception and handling at each site
- Degree of control over both the waste treatment and disposal process in use at each site and over any potential emissions
- Degree of monitoring and verification of environmental controls

Methodology
Example of Gradual Improvement



Stepwise progression controlling disposal

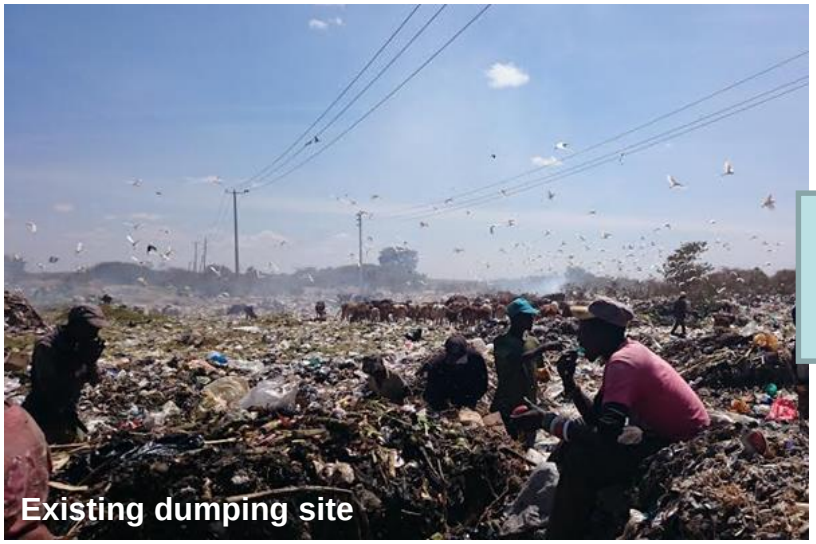
Methodology

Reporting and Monitoring Format

Treatment facility name	Degree of control score	Process employed	Type of waste	Amount of solid waste received	Amount of sewage sludge	Amount of residue	Where residue is exported
	(1) (2) (3)			(t)	(t)	(t)	
	(1) (2) (3)			(t)	(t)	(t)	

Landfill sites name	Landfill type	Operation start year	Degree of control score	Amount of MSW received	Amount of swage sludge received
			(1) (2) (3)	(t)	(t)
			(1) (2) (3)	(t)	(t)

Influence on Improved SWM
Data Usage


Existing dumping site

New pilot landfill site

0% → **Could be improved to 60%**

Influence on Improved SWM
Data Usage

For formalization of informal sector

0%

Could be improve to 70%

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Thank you!