SDG 11.6.1 – Current Methodology
Provided by UN-Habitat
• SDG and Waste SDG Indicators

• Monitoring Methodology
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
**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

Total Municipal Solid Waste Generated by the City

Uncollected waste

Treated in facilities

Residue from facilities

Landfilled

Treated in controlled facilities

Treated in uncontrolled facilities

Landfilled in controlled landfill

Landfilled in uncontrolled open dump

% of MSW collected and managed in controlled facilities

\[
\frac{\text{Amount of waste collected and managed in controlled facilities} - \text{Residue}}{\text{Total MSW generated by the city}}
\]
**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

- Minimize / Pre-treat wastes
- Detailed engineering standards
- Containment
- Operational control
- Open dumps
### Methodology

#### Reporting and Monitoring Format

<table>
<thead>
<tr>
<th>Treatment facility name</th>
<th>Degree of control score</th>
<th>Process employed</th>
<th>Type of waste</th>
<th>Amount of solid waste received</th>
<th>Amount of sewage sludge</th>
<th>Amount of residue</th>
<th>Where residue is exported</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Landfill sites name</th>
<th>Landfill type</th>
<th>Operation start year</th>
<th>Degree of control score</th>
<th>Amount of MSW received</th>
<th>Amount of sewage sludge received</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
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| (1)                     |              |                      | (1)                     | (t)                    | (t)                             |
| (2)                     |              |                      | (2)                     |                        |                                 |
| (3)                     |              |                      | (3)                     |                        |                                 |
Influence on Improved SWM

Data Usage

Existing dumping site

0% Could be improved to 60%

New pilot landfill site
Data Usage

Influence on Improved SWM

For formalization of informal sector

Could be improved to 70%
Thank you!