City Sanitation Planning: people, process, end-product

Antoinette Kome
What do we need to achieve in sanitation?

- Coverage and quality
- Equity: reducing disparities
- Faster progress

This is not coverage!
It's already polluted so why travel so far...

This is not coverage!
No relationship between the safety of pit emptying and wealth quintiles as the services are inadequate and unknown to most of the citizens.
Objectives of urban sanitation planning

• Broad agreement on the ultimate objective:

*City or town sanitation plans should contribute to health and well-being of the population, a healthier living environment and better containment of waste*
Many objectives
Objectives of different levels

- Too often we remain in the first step... Why?
What kind of planner are you?
How?

- Fill the quiz individually

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<thead>
<tr>
<th>Mark:</th>
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<td>a</td>
<td>b</td>
<td>c</td>
<td>d</td>
<td>e</td>
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</tbody>
</table>

- **I** do not get a cup of coffee in the morning break, I cannot concentrate
- **II** I do not mind at all whether there is coffee during the morning break

- Calculate your score

<table>
<thead>
<tr>
<th>Question</th>
<th>Mark</th>
<th>Axis</th>
<th>Score for</th>
<th>Score for</th>
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<td>4</td>
<td>3</td>
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<td>0</td>
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</tbody>
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- Map the different styles on the chart
chart

Style 1  Style 4

Style 2  Style 3

Axis II

10

Axis I
• Link to steps of city sanitation planning approaches
Seeking a balance

- Allow for planning to evolve over time.
By 2014 there were over 13,000 systems funded for installation, mostly by SANIMAS DAK SLBM. Available data indicates that the DAK funds the majority of systems for installation (77%), while USRI and the SANIMAS Regular fund similar amounts (10% and 8%, respectively). Anecdotal evidence indicates that the Ministry of Health may also be funding SSS systems.
Sludge Treatment Plant
Planning with the solution in mind

What we don’t want to see...

What we do want to see...

Optimism!
Viable service models...
Matching finance requirements and sources

• In theory

Identify financing requirement → Identify financing sources (3Ts, repayable fin) → Identify best combination of finance sources → Gap bridged?

• In practice

Identify financing requirement → Identify financing sources (3Ts, repayable fin) → Identify best combination of finance sources → Gap bridged?

Throw away old documents of your predecessor → Forget about plan → Put plan in drawer for later → Ask any donor
Revenues and the missing link with mainstream planning & budgets...

- What percentage of spending is (decided and) spent at local level? (depends on decentralisation).

Conclusion: any large scale effort for sanitation planning should link into mainstream planning and be accompanied by national finance mechanisms.
### City wide service model...

<table>
<thead>
<tr>
<th>Example</th>
<th>User interface</th>
<th>Containment</th>
<th>Emptying— Transport</th>
<th>Treatment</th>
<th>Disposal – and/or re-use</th>
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</thead>
<tbody>
<tr>
<td>City centre</td>
<td>HHs</td>
<td></td>
<td></td>
<td></td>
<td>Sewerage Utility</td>
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<tr>
<td>On-site sanitation in low income areas</td>
<td>households</td>
<td></td>
<td>Private emptiers bring to transfer station</td>
<td>City trucks</td>
<td>Treatment site management concessionaire?</td>
</tr>
<tr>
<td>Areas with DEWATS</td>
<td>HHs</td>
<td>DEWATS committee</td>
<td>City trucks?</td>
<td></td>
<td>Treatment site management concessionaire?</td>
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<tr>
<td>Market</td>
<td>Public toilet care taker?</td>
<td></td>
<td>City trucks?</td>
<td></td>
<td>Treatment site management concessionaire?</td>
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<tr>
<td>Areas with community toilets</td>
<td>Community management committee</td>
<td></td>
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In summary

• Be aware of our planning style
• Managing expectations of municipality stakeholders
• Work within the expertise limitation
• Quality and ambition of data collection
• Avoid planning with the solution in mind
• Think beyond the plan (finance, implementation)
Thank you