“No-one left behind: City-wide Inclusive Sanitation Planning in Practice”
“No-one left behind: City-wide Inclusive Sanitation Planning in Practice”
A paradigm shift for sanitation

- Business as usual is not working
- Service providers can’t keep up with population growth
- We need to think differently
City wide Inclusive Sanitation means......

- **Everybody benefits** from adequate sanitation service delivery outcomes
- Human waste is **safely managed along the whole sanitation service chain**
- Effective **resource recovery and re-use** is considered
- A **diversity of technical solutions** is embraced, being **adaptive, mixed and incremental**
- **Comprehensive approaches** to sanitation improvements needed, with **planning, technical innovation, institutional reforms and financial mobilization**
- Cities will need to demonstrate **political will** and technical and managerial **leadership**, and to manage **new and creative ways of funding** sanitation
- Combines **both onsite sanitation and sewerage solutions**, in either **centralized or decentralized systems**, to better respond to realities faced in cities
- Needs to consider **complementary services**: water supply, drainage, greywater, solid waste
A county Wide Approach

COUNTYWIDE LEVEL - NACOSTEC

CITY WIDE LEVEL

Sanivation
City-wide Inclusive Sanitation Kenya, Naivasha

Committee Members
1. NEMA
2. WSUP
3. Public Health
4. Governor Office
5. Ministry of the Environment
6. CBCC
7. NAIVAWASS
8. Sub-county administrator
9. Ministry of Planning
10. Ministry of Water
11. Ministry of Roads
12. Sanivation

Technical support from BORDA

Having Multiple stakeholders work together
### Pre v Post CWISP - Naivasha Water and Sanitation

<table>
<thead>
<tr>
<th>Intervention plans</th>
<th>Pre</th>
<th>Post</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>Detailed by priority</td>
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**Short-Term Interventions:**
- Increase Wastewater and Fecal Sludge Treatment Capacity - establish a new plant in Mai Mahiu and expand treatment capacity of the existing WWTP in Naivasha Town
- Promote and support septic tank construction
- Sanitation Marketing

**Medium to Long-Term Interventions:**
- Establish scheduled universal FSM
## Pre v Post CWISP - Naivasha Water and Sanitation

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Interest in FSM</td>
<td>Low</td>
<td>High</td>
</tr>
<tr>
<td>Sanitation tariff</td>
<td>Unaware</td>
<td>Working on WASREB submission</td>
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<tr>
<td>Private sector</td>
<td>None</td>
<td>DBO agreements for city-wide FSTP</td>
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<td>partnerships</td>
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<tr>
<td>Intervention plans</td>
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![Image of Sanitation Project](image-url)
City-wide Inclusive Sanitation  Kenya, Malindi

Stakeholders Engaged
- CECMs for Water
- Environment and Natural Resources, Health, Lands and Planning
- Town Manager
- Department of Water
- Department of Public Health
- Department of Lands and Planning
- Department of Environment
- Department of Roads
- Department of Trade and Tourism
- Sub County administrator NEMA
- Malindi and Watamu Environment CBO
- Private Partners (WSUP and Sanivation)
- Water Service Provider (MAWASCO)

Current FSM and MSW disposal site in 300,000 population Subcounty - Malindi
Integrated planning – combining FSM with MSW planning in Malindi

- Solid Waste
- Stormwater
- Latrines
- Septic Tanks
- Sewerage Network
- Collection
- Drainage Maintenance
- Pit and Tank Emptying
- Pumping Stations
- Sanitary Landfill
- Appropriate Resource Re-use
- Treatment Works
- Treatment Works

Physical planning
Urban upgrading
Tenure and land-use control

Sanivation
## Pre v post CWISP – Malindi Water & Sanitation

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<td>Low</td>
<td>High</td>
</tr>
<tr>
<td><strong>Sanitation tariff</strong></td>
<td>Unaware</td>
<td>Wanting to implement</td>
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<td><strong>Private sector partnerships</strong></td>
<td>None</td>
<td>Delegated service models across value-chain</td>
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<td><strong>People served by FSM plans</strong></td>
<td>&lt;20,000</td>
<td>&gt;150,000</td>
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**Creating FSM champions**
### Pre v post CWISP – Malindi Water & Sanitation

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<tbody>
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<td>Interest in FSM</td>
<td>Low</td>
<td>High + prioritizing resource recovery</td>
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- **130m3/D FSTP**
  - Phase 1
  - 2020-2030

- **4 Transfer stations and 8 Ablution blocks**
  - Training of pit latrine emptiers + sanitation tariff
  - Phase 2
  - 2031-2040

- **2 40m3/d Dewatering plants**
  - Phase 2
  - 2031-2040

- **Sewer connection in CBD**
  - Phase 3
  - >2040

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THANK YOU