Community-Based Sanitation at Scale

9th Community of Sanitation Practice Meeting
London, October 20, 2011

The Enabling Environment:
The Prerequisites City Wide Improvement

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Types of water supply and environmental sanitation services:

- Type A - Institutional-based: utilities company, private, etc.
- Type B - Jointly-based: neighborhood level managed by community connect to city-level system managed by utility companies, etc.
- Type C - Community-based: built and managed by community; infrastructure

Source: WASPOLA, 2003
NATIONAL POLICY UMBRELLA...

- National Law No. 7/2004 concerning Water Resources
- Government regulation No. 16 /2005 concerning Water Supply Development
- Urban Infrastructure Acceleration Development Program (Percepatan Pembangunan Sarana Perkotaan/PPSP)
- Presidential Instruction concerning Equitable Development Program No.3 year 2010
- Presidential Decree No. 5 year 2010 concerning the National Mid-term Development Plan (RPJMN) 2010-2014
- Min. of Public Works Strategic Plan 2010-2014
- Sanitation Sector Permen No.02/PRT/M/2010
COMMUNITY-BASED SANITATION
SANIMAS (Sanitasi oleh Masyarakat)
(SANITATION BY COMMUNITY)

Sanitation framework (incl. methodology, technology, organization, operation & maintenance) that aims to improve hygiene behavior and sanitation infrastructure in a sustainable manner in specific, poor and densely populated areas and hence reflects the preferences of the communities.
CBS SANIMAS OBJECTIVES

- To improve the sanitation condition of the urban poor communities with participatory approach

- To promote and implement community-based sanitation as one of the city’s sanitation options by the municipality
CBS/SANIMAS PRINCIPLES

- Demand Responsive Approach
- Self-selection process
- Informed Choices
- Multi-sources of financing
- Participatory
- Capacity building
CBS SANIMAS IMPLEMENTATIONS
2003-2009

- Provinces
- Cities/Regency
- Locations

2003 2004 2005 2006 2007 2008 2009
SANIMAS - Capacity Building and Training

Communities, Field Facilitators, Technical Team

Community Institution Building

Participatory Health & Sanitation Transformation

Selection & Implementation of preferred Technical Options

SANIMAS Committee

Action Plan

Construction

O&M

Training

Campaign

Informed Choices

Technical Training

Construction Supervision
Project implementation and Participatory Approach in SANIMAS (Sanitation by Community)

Step 1
Development of Facilitation Capacity

Step 2
Community Selection

Step 3
Development of Community Action Plan

Step 4
Implementation

Step 5
Monitoring and Evaluation

Training for Facilitators (Technical & Social)

Rapid Participatory Assessment for Problem Identification

Informed Choices Technical and Management options

Community contribution plan

Community contribution plan

Capacity building during Implementation

O & M Support

Health Impact Assessment

Certification and labelling

Source: adapted and modified from BORDA, 2003; Roma, 2010
Communal system fills the gap between on-site sanitation systems and centralized sewerage systems. Community-Based Sanitation/communal options are common in between.

Source: BORDA, 2003
INFORMED CHOICES

COMMUNITY-BASED SANITATION
WASTEWATER TREATMENT SYSTEM OPTIONS

Disposal/Reuse Component

Operation & Maintenance Component

Treatment Component

Piping Component

Toilet Component

Options

Options

Options

Options

Source: BORDA, 2003; Ismawati, 2007
Preferred SANIMAS Systems

- Simplified sewerage system (22%)
- Shared Septic tanks (1%)
- CSC+++ (77%)
SANIMAS MULTI-SOURCES OF FINANCING (2003-2009)

- Bappenas/Min. of Public Works: 30%
- BORDA: 12%
- Provincial Governments: 1%
- Community: 4%
- Local Governments: 54%

Source: BORDA, 2010
Facilitate and accommodate creativities for strong ownership
Operation & Maintenance Support
Users’ awareness, measuring the impact...
AKSANSI – CBOs association
Recent Developments

- National mid-term plan 2010–2014: ODF achieved through the provision of 5% sewerage system, 5% communal sanitation system, and 90% septic tanks
- Presidential Decree No.5/2010: 20% sewerage system in 16 cities (5 new systems), on-site communal system in 226 cities/regencies
- National and local programs on environmental health:
  - CLTS (Community Led Total Sanitation/STBM)
  - SANIMAS Reguler (APBN, APBD I, APBD II)
  - SANDAR (SANIMAS Darurat/Emergency Sanitation)
  - SANITREN (SANIMAS di Pesantren/moslem boarding school)
  - SANIMAS SLBM (Sanitasi Lingkungan Berbasis Masyarakat/ Comm.Based Env.Sanitation) using DAK/Special Budget Allocation National govt
  - SANIMAS PNPM – poverty alleviation program (ADB)
  - DESWAM (Decentralized Solid Waste Management)/KIPRAH
  - Integrated with city infrastructures
  - Biogas-based Environmental Sanitation
<table>
<thead>
<tr>
<th>No.</th>
<th>Program</th>
<th>No.of Province</th>
<th>No.of Regencies/Cities</th>
<th>Budget</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>SANIMAS Reguler*</td>
<td>17</td>
<td>40</td>
<td>GBP 1.63 mio (IDR 23.6 billion)</td>
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<tr>
<td>2</td>
<td>DAK Sanitasi</td>
<td>32</td>
<td>428</td>
<td>GBP 28.93 mio (IDR 419.6 billion)</td>
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<td>3</td>
<td>Urban Sanitation for Rural Infrastructure (SAN-PNPM)</td>
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<td>19</td>
<td>GBP 4.78 mio (IDR 69.3 billion)</td>
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<td></td>
<td>GBP 35.34 mio (IDR 512.5 billion)</td>
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</table>

* Based on the numbers of cities/regencies with City Sanitation Strategy developed in 2009 and 2010

Source: Ministry of Public Works, 2011
Responding the Demand
More resources needed....
Reflections for going scale

- Eligible communities ↔ scope of service vs $$$
- Participatory approach: skill, passion, target
- Service boundaries: legal ↔ illegal settlement, across administration areas
- Decentralized system ↔ centralised system
- Social approach ↔ technical approach
- Community-managed ↔ institutional managed
- Monev and asset management issues
- Stakeholders involvement
Thank you

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