WINNING THE BATTLE AGAINST CHOLERA: IMPACT OF COMMUNITY LED TOTAL SANITATION (CLTS) IN AFRICA

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Facts

- 171 million people in Africa gained access to an improved sanitation facility since 1990
- The population that uses a shared or public sanitation facility more than doubled since 1990 to 176 million in 2008
- In 2008, 584 million people in Africa did not use an improved sanitation facility
- In 2008, 232 million people in Africa practised open defecation
How long would we see these abandoned toilets in the landscape of Asia and Africa?
Major findings from Africa

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Urban</td>
<td>Rural</td>
<td>Total</td>
<td>Urban</td>
</tr>
<tr>
<td>------</td>
<td>-------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>1990</td>
<td>52%</td>
<td>23%</td>
<td>33%</td>
</tr>
<tr>
<td>2000</td>
<td>52%</td>
<td>26%</td>
<td>36%</td>
</tr>
<tr>
<td>2006</td>
<td>52%</td>
<td>28%</td>
<td>38%</td>
</tr>
<tr>
<td>2015</td>
<td>-</td>
<td>-</td>
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</tbody>
</table>

* MDG target

Main findings

In 2006, 38 per cent of the population in Africa used an improved sanitation facility - an increase from 33 per cent in 1990. Less than a third of the African rural population, and just over half of the urban population used improved sanitation.

In 16 of the 54 African countries less than 25 per cent of the population uses an improved sanitation facility. Africa as a continent is not on track for meeting the MDG sanitation target.

Only five of the 54 countries are on track.

It is encouraging to note that the proportion of the population practising open defecation has dropped from 32 per cent in 1990 to 25 per cent in 2006.
CLTS in Africa

- CLTS was introduced in Africa in 2008
- CLTS spread in 34 African countries in just over 4 Years
- 15 countries in Eastern and Southern Africa
- 19 countries in West and Central Africa
- CLTS has been included in the National Sanitation policy of the Government of 15 African nations.

For details please refer to Digging in, Spreading out and Growing up: Introducing CLTS in Africa by Kamal Kar and Kristy Milward 2011
Co-relation between CLTS implementation and Cholera outbreak in Mali

2011

<table>
<thead>
<tr>
<th>REGION</th>
<th>Total number of communes</th>
<th>Number of communes where CLTS is implemented</th>
<th>Number of communes with cholera outbreak in 2011</th>
<th>Number of communes CLTS + Cholera</th>
<th>% of CLTS communes with cholera outbreaks</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEGOU</td>
<td>117</td>
<td>12</td>
<td>3</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>MOPTI</td>
<td>108</td>
<td>31</td>
<td>17</td>
<td>2</td>
<td>6%</td>
</tr>
<tr>
<td>KAYES</td>
<td>129</td>
<td>12</td>
<td>10</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

CLTS triggering in a village in Mali and it’s positive outcome—construction of toilets by the people for their own good.

Source: DNACPM, National Directorate of Sanitation; Government of Mali
Impact of CLTS-drastic reduction in Cholera, Nyando district, Kenya (2008 -2011)

**Under 5 Cholera cases**

- 2008
- 2009
- 2010
- 2011

**Above five Cholera cases**

- 2008
- 2009
- 2010
- 2011

**Total cholera cases**

- 2008
- 2009
- 2010
- 2011

CLTS was introduced in Nyando in 2010, Mr. Makotsi DPHO Nyando
Direct co-relation of household latrine possession and use in ODF villages in Chad

CLTS was introduced in September 2009 in Chad

Réalisation de la carte de défécation avec le groupe des adultes et des enfants du village Camp Maré
Who’s innovation, who’s design and who benefits?

Bangladesh

Rajshahi, Bangladesh

East Java, Indonesia

Siem Reap province, Cambodia-ash used in dry pit toilets

Kampong Cham, Cambodia
Simple Pit latrines constructed in Tsaondo

CLTS and MDG

Goal 7
Sanitation halving proportion without access

Goal 6
Major diseases especially diarrhoeal

Goal 4
Under 5 mortality

MDG 5
Maternal mortality
Roughly more than 20 million people across Asia, Africa and Latin America have been benefiting from CLTS

Fatima, a Natural Leader from Kosti, White Nile state, Sudan said that the CLTS has saved her village from cholera.

“This is an interesting miracle that there had been no single case reported in our health statistic records from the seven villages those adopted the CLTS approach and declared open defecation free. Thousands of people including the children in non-ODF villages in that area have been affected by watery diarrhea.” Md. Elsamani, Statistical Section, Ministry of Health, Government of Sudan.