WATER AND SANITATION IN AFRICA: TRENDS, CHALLENGES AND OPPORTUNITIES

Ousman Gajigo
African Development Bank
PRESENTATION OUTLINE

• *Discuss Trends in Access to Improved Water and Sanitation in Africa.*

• *Macroeconomic and other socio-economic correlates.*

• *Implications for PPPs in Water and Sanitation Sector in Africa*
  – Some evidence on the region’s experience to date.
ACCESS TO IMPROVED WATER SOURCES
REGIONAL DIFFERENCES IN ACCESS TO IMPROVED WATER SOURCE

- **% Access to Improved Water Source**
  - Sub-Saharan Africa
  - World
  - South Asia
  - Middle East & North Africa
  - Latin America & Caribbean
  - East Asia & Pacific

- **Year**:
  - 2000
  - 2005
  - 2010

- **Values**:
  - Sub-Saharan Africa: 55, 58, 61
  - World: 83, 86, 88
  - South Asia: 81, 85, 90
  - Middle East & North Africa: 88, 89, 89
  - Latin America & Caribbean: 90, 93, 94
  - East Asia & Pacific: 82, 87, 91
RURAL-URBAN DIFFERENCE

• Significant differences in access between urban and rural areas.

• Significant difference in the kinds of improved water sources available.
URBAN-RURAL DIFFERENCE

Households using Wells, Boreholes, Hand-pumps, Rainwater

- Rural Areas: 49% (1990-2000), 49% (2000-2010)

Households with Access to Piped Water into Residence/Yard/Plot

- Rural Areas: 16% (1990-2000), 7% (2000-2010)
URBAN-RURAL INEQUALITY IN ACCESS TO IMPROVED WATER SOURCES

% access to improved water source in 2010
LACK OF CORRELATION BETWEEN GDP GROWTH AND ACCESS TO IMPROVED WATER SOURCES
LACK OF CORRELATION BETWEEN GDP GROWTH AND ACCESS TO IMPROVED WATER SOURCES
POSSIBLE EXPLANATION FOR LACK OF CORRELATION WITH GDP GROWTH

• High Population Growth

• Possible lack of inclusiveness in the recent GDP growth in Africa.
  – Largely Commodity price-driven GDP Growth.
ACCESS TO IMPROVED SANITATION FACILITIES
REGIONAL DIFFERENCES IN ACCESS TO IMPROVED SANITATION FACILITIES

% With Access to Improved Sanitation

Facilities

Sub-Saharan Africa  |  World  |  South Asia  |  Middle East & North Africa  |  Latin America & Caribbean  |  East Asia & Pacific
---|---|---|---|---|---
2000  |  2005  |  2010  
28  |  56  |  82  
29  |  60  |  87  
31  |  62  |  89  
29  |  34  |  75  
38  |  38  |  77  
53  |  62  |  79  
69  |  69  

2000  |  2005  |  2010  
0  |  0  |  0  
10  |  10  |  10  
20  |  20  |  20  
30  |  30  |  30  
40  |  40  |  40  
50  |  50  |  50  
60  |  60  |  60  
70  |  70  |  70  
80  |  80  |  80  
90  |  90  |  90  
100  |  100  |  100
RURAL-URBAN DIFFERENCE IN ACCESS TO SANITATION

Access to Flush Toilets


Access to Traditional Latrines

- Rural: 43% (1990-2000), 45% (2000-2010)
LACK OF CORRELATION BETWEEN GDP GROWTH AND ACCESS TO IMPROVED SANITATION FACILITIES

Access to Sanitation and GDP Growth in the Same Decade

Access to Sanitation and GDP Growth in Preceding Decade
GROWTH IN URBAN AREAS AND GROWTH IN ACCESS

% urban population growth 2000-2010

% growth access to improved sanitation facilities in urban areas 2000-2010
WATER AND SANITATION

High Correlation between the two Sectors.

Access to Sanitation lagging behind Access to Improved Water.

High Correlation between income and Access Rates.
IMPLICATIONS FOR PPPs IN THE WATER AND SANITATION SECTOR

• Service/management contract
  – Relatively common in WSS in Africa.
  – Can lead to Improvements in quality of services.
  – Increase in access not guaranteed.

• Lease/Concession
  – Less common in Africa in WSS in Africa
  – Can lead to Improvements in quality of services.
  – Increase in access likely.
TYPES OF PPP ARRANGEMENT AND ACCESS TO IMPROVED WATER SOURCES

% Access to Improved Water Source

<table>
<thead>
<tr>
<th>Year</th>
<th>Service/Management Contracts</th>
<th>Concessions</th>
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<tr>
<td>2005</td>
<td>64</td>
<td>82</td>
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<tr>
<td>2010</td>
<td>68</td>
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TYPES OF PPP ARRANGEMENT AND ACCESS TO IMPROVED WATER SOURCES

% Access to Improved Sanitation Facilities

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<th>2005</th>
<th>2010</th>
<th>2005</th>
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<td>Service/Management Contracts</td>
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<td>Concessions</td>
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Note: The bar graph shows the percentage access to improved sanitation facilities for Service/Management Contracts and Concessions from 2005 to 2010.
- Countries with favorable investment climate already have high access rates.

Limited Capacity for countries with low access rates.

High rate of cancellations in previous PPPs.
THANK YOU