AFRICAN WATER DEVELOPMENT REPORT MONITORING WATER AND THE URBAN ENVIRONMENT AT THE REGIONAL LEVEL

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PRESENTATION OUTLINE

- The African Water Vision.
- Policy Objectives
- Urbanization in Africa
- Types of Settlements
- Adequacy of Urban Water Supply
- Water Supply Performance Issues and Constraints.
- Health Impacts





TARGETS

- <u>Millennium Development Goals</u>
- > Target 10: To halve, by 2015, the proportion of people without sustainable access to safe drinking water.
- ➤ Target 11: To achieve, by 2020, a significant improvement in the lives of at least 100 million slum dwellers.
- The World Summit on Sustainable Development in 2002
- > To halve, by 2015, the proportion of people who do not have access to basic sanitation.









| TYPES | OF SE | TTLEN | IENTS | | | | | |
|--------------------------|---------------|----------------|---------------|----------------|--|--|--|--|
| | | | | | | | | |
| Size class of settlement | Number of I | | | | | | | |
| | 1970 | 2000 | 2005 | 2015 | | | | |
| Small urban settlements | 67.1 81% | 206.6 69.9% | 242 68.6% | 318.4 65% | | | | |
| Urban agglomerations | 10.1 12.2% | 69.7 23.6% | 82.9 23.5% | 126.2 25.8% | | | | |
| Mega-cities | 5.6 6.8% | 19.1 6.5% | 27.9 7.9% | 44.5 9.1% | | | | |
| Total Urban inhabitants | 82.8 100% | 295.4 100% | 352.9 100% | 489.1 100% | | | | |

RE-INVENTING THE UNSIA WATER CLUSTER

| | Urban population | Rate of urbanization | Urban growth rate |
|------|---------------------|-------------------------|----------------------|
| 1950 | 33 | 14.9 | 4.4 |
| 1975 | 103 | 25.2 | 4.5 |
| 2000 | 296 | 37.2 | 3.6 |
| 2005 | 353 | 39.8 | 3.4 |
| 2015 | 489 | 45.1 | 3.0 |
| 2030 | 748 | 53.5 | 2.7 |







RE-INVENTING THE UNSIA WATER CLUSTER

Water Supply Performance Issues and Constraints

The key issues contributing to poor performance are:

- Inadequate data on operation and maintenance.
- Insufficient and inefficient use of funds
- Poor management of WS Facilities.
- Inappropriate system design.
- Political Interference
- Low value for O&M.
- Inadequate policies, legal frameworks and overlapping responsibilities

Sustainability

- Ensuring the continuous availability of sufficient quantities of water of sufficient quality, within adequate institutional frameworks; and
- 2. Applying sound management practices, appropriate technologies, and full-cost accounting, and effectively maintaining facilities and equipment.

Health Impacts

- Urbanization can be an important source of health problem
- Currently 30-60 per cent of the urban population are in low-income countries, and lack adequate housing with sanitary facilities, drainage systems, and piping for clean water.
- This number is expected to increase since local and city authorities often lack the resources, knowledge, trained personnel and financial capacity needed to meet their responsibilities in providing services and amenities essential for healthy living.

Indicators Related to Urban Water.

- Actual and total W.S.&S coverages.
- % Unserved by adequate W.S & S.
- Incidence of water-related diseases.
- Investment in W.S & S.
- Growth of mega-cities
- Water supply cost per litre
- % of unaccounted for water
- Water consumption level (I/cap, water tariffs)
- Area of wetlands drained for urban expansion.
- Industrial water use and productivity.
- Pollution from Industry.
- Population exposed water-related risks

| LEVELS OF MONITORING | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| African Water Development Reporting | | | | | | | | |
| SAWDR | NAWDR | CAWDR | EAWDR | WAWDR | | | | |
| Okavango Limpopo Zambezi Orange | Nubian NWSAS | Congo Lake Chad | Lake Victoria Nile Shabelle | Niger Volta Senegal | | | | |
| National Water Monitoring Workgroups National Water Information Systems National Water Development Reporting | National Water Monitoring Workgroups National Water Information Systems National Water Development Reporting | National Water Monitoring Workgroups National Water Information Systems National Water Development Reporting | National Water Monitoring Workgroups National Water Information Systems National Water Development Reporting | National Water Monitoring Workgroups National Water Information Systems National Water Development Reporting | | | | |







Conclusions Monitoring and Reporting in the African Water Sector should: Follow bottom up approach 1. Integrative at the National level 2. Serve National and Basin Needs first 3. Linked to a functioning and funded 4. National Water Information system Updated in a regular cycle 5. **Development Partner projects should** 6. be designed to support the National Water Information System. 7. A Minimum set of Indicators should form the basis of all levels of reporting.

