

# AfDB BUSINESS OPPORTUNITIES SEMINAR



**June 20 - 21, 2017**

**African Development Bank**  
**Headquarters' Building Auditorium**  
**Abidjan, Côte d'Ivoire**

AfDB's Activities in the Water  
and Sanitation Sector:  
Strategies and Pipeline of  
Projects

Water Development and Sanitation Dept.  
(AHWS)



**AfDB BOS**



AFRICAN DEVELOPMENT BANK GROUP

# Outline

1. The Water and Sanitation Sector at a glance
2. AfDB's engagement in the Water Sector
3. Selected projects and activities
4. Business Opportunities / Pipeline

# 1. Water and Sanitation Sector at a Glance: Challenges in Africa

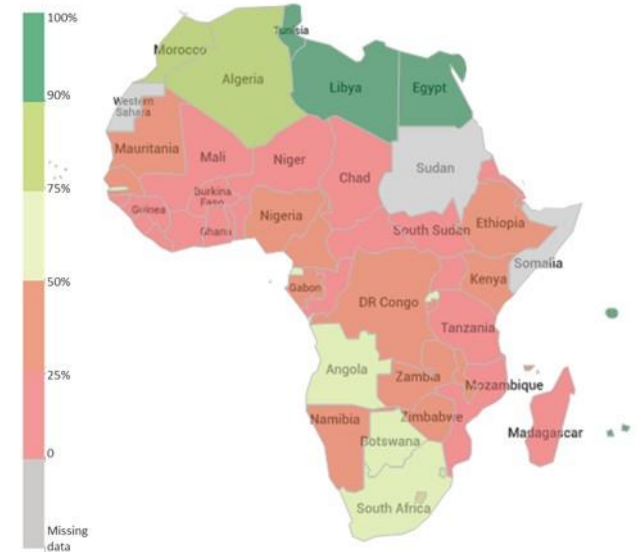


## *Infrastructure Deficit: Underdevelopment of water resources*

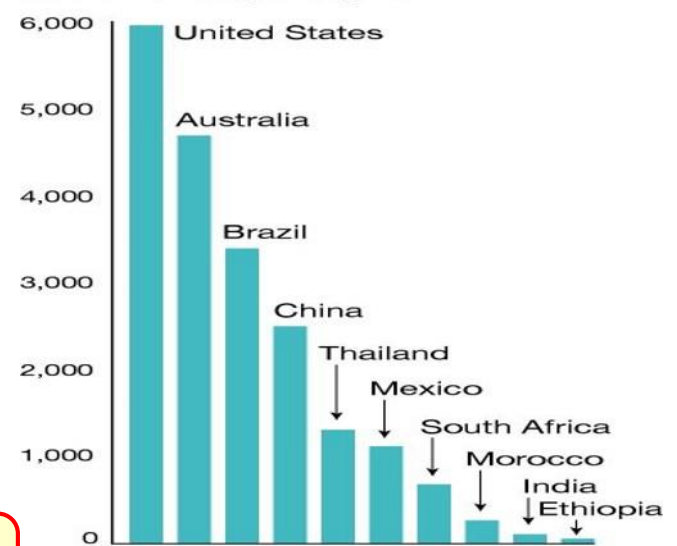
- WSS access: 72% & 39% - MDGs not met
- Low storage capacity and limited resilience to water-related disaster risks (droughts, floods, etc.)
- Low hydropower developed : <5% of potential
- Arable land irrigated: 7%
- **WSS funding gap of USD 6-14bn/year**: about half of what is needed

## *Weak Sector Management and Governance*

- Weak institutions, systems, O&M/sustainability, human capacity
- 80 transboundary water basins; weak regional cooperation
- Insecurity and conflicts
- Low sector priority and visibility



Cubic metres per capita



Source: World Bank, 2005



➔ **Inadequate water security hindering inclusive and green growth**

# Some Opportunities/Context

***Water security is key for inclusive and sustainable socio-economic development***

- **Water Specific SDG:** Ensure availability and sustainable management of water and sanitation **for ALL**.

*Water also affects nearly all other SDGs e.g. related to poverty, food/nutrition, education, health, gender, cities, industrialization, ecosystems and cooperation*

- **Africa Agenda 2063** – recognizes water security as a key driver for economic development on the continent
- **At the AfDB** – Water underpins **all the High 5s** and the Bank remains committed to supporting Africa's efforts to attain water security



## 2. AfDB's Engagement in Water Sector

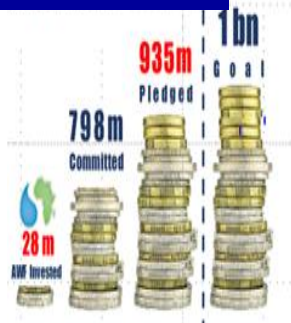
Water Development & Sanitation Dept. (AHWS)

AHWS leads Bank's work on promotion of sustainable and integrated solutions across the water and sanitation value chain to support Africa's economic transformation



# The Three Regional Water Initiatives: AWF, MDWPP and the RWSSI

## AWF



- **AWF** is primary water instrument in Africa that **supports and facilitates resource mobilization for water infrastructure development** towards AWW and SDGs
- Portfolio covers all water related sectors (water supply, sanitation, water for agriculture; hydropower; water resources management; ...)
- Voted “*Project Preparation Facility of the year*” in 2015
- On average, each **€1** contributed by AWF has attracted **€34** in follow-on investments. Nearly **€1 billion** leveraged to-date.

## RWSSI



- **RWSSI** is pan-African initiative to promote more water supply and sanitation investments for rural Africa to support achievement of AWW and SDGs
- Through 53 projects in 35 countries, RWSSI has to date provided **135 million** people with clean water and **90 million** people with sanitation.
- RWSSI has a leveraging factor of **1:30**

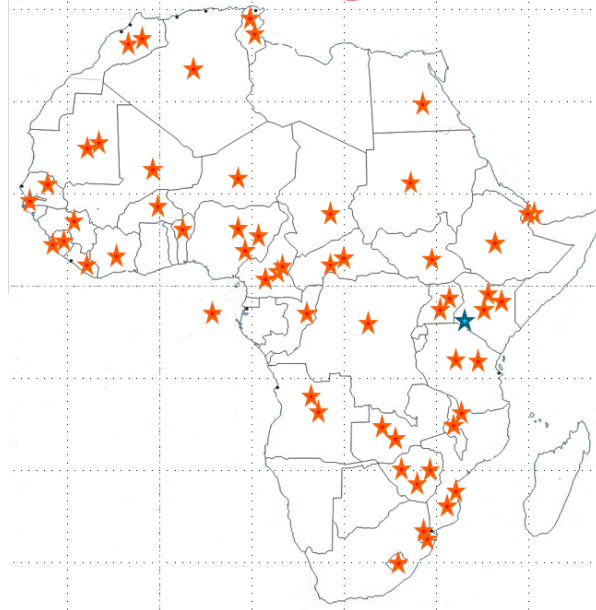
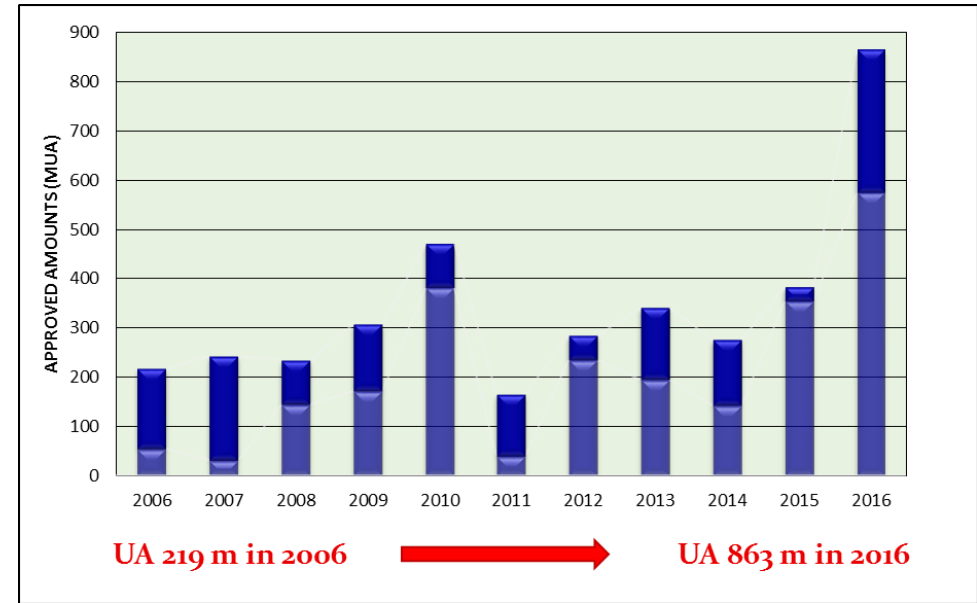
## MDWPP



- **MDWPP** conceived to **support Bank capacity** for operationalizing its IWRM policy
- MDWPP has generated useful **water sector knowledge** and greatly contributed to advancement of cross sectoral cooperation and water security in in Africa.

# Some Achievements – A strong portfolio to deliver sustainable access to WSS 2 contd.

	Value (UA)	%	No. of Operations	%	No. of RMCs
North	540,987,437	20%	11	16%	5
East	854,016,774	32%	17	25%	10
Central	211,153,782	8%	8	12%	4
West	624,485,851	23%	15	22%	10
South	393,305,641	15%	16	24%	9
Multi-region	72,980,000	3%	1	1%	
<b>Total WSS</b>	<b>2,696,929,486</b>	<b>100%</b>	<b>68</b>	<b>100%</b>	<b>38</b>
AWF	34,870,403	78%	30		26
AWF multi region	9,969,518	22%	8		
<b>Total AWF</b>	<b>44, 839,921</b>	<b>100%</b>	<b>38</b>		



At end of 2016:

- **68 projects amounting to UA 2.7 billion**
- **Mainly infrastructure investments** but also Project Preparation, Studies/ESWs, Capacity Building &TA
- **Plus 38 projects under AWF**

### 3. Selected Projects and Activities

#### 3a. A Business Approach for Improved Sanitation in Ghana – Organic Fertilisers and Energy as Drivers (ASHAIMAN –GHANA)

**Partners:** Safi Sana Ghana Ltd, ASHMA

**Project funding** by AWF/AfDB, The Dutch Gov't and Safi Sana

**Treatment** FS & SW: 12,600 T/yr

##### Outputs (at full operation)

- ✓ Bio-fertiliser: **640 tonnes/yr**
- ✓ Electricity: **585,000 kWh/yr**
- ✓ 125,000 beneficiaries



Generator container and grid switchboard



Mixing pit (faecal and organic waste) + macerator + digester

**TARGET => 7 Factories in 2023**

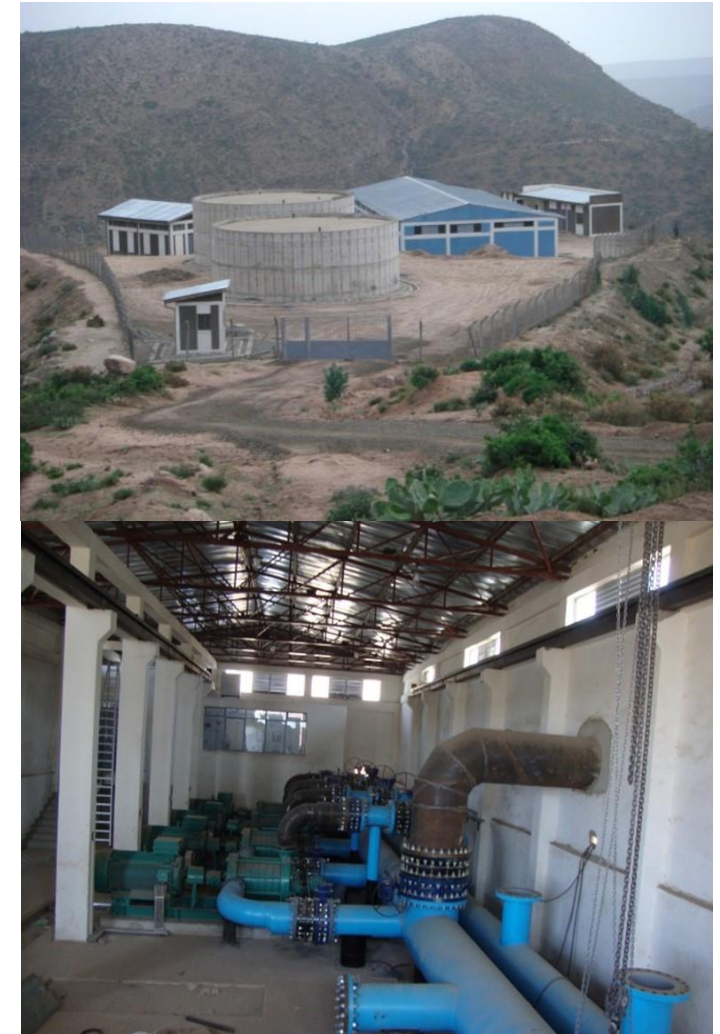
## 3b. Ethiopia - Harar Water Supply and Sanitation Project - Improving Livelihoods and Enhancing Water Security

The AfDB provided USD 33 million to provide water supply to 4 towns in distress

- Water production; 75 km transmission line and 115 km distribution network
- 4 booster pump stations to lift water over 1000 m in elevation
- Several storage reservoirs
- Sanitation and hygiene promotion
- Sustainability measures including capacity building

250,000 beneficiaries

- Water revenue collection > 90%, enhancing sustainability;
- Water-borne disease reduced by 75%;
- Time spent by women reduced by 50
- Commercial enterprises such as hotels flourished again, providing jobs.



## 3c. Cameroon - Rural Drinking Water Supply and Sanitation Project



To improve the living conditions of rural populations

22,000 water points  
6,000 rehabilitated water points  
150,000 modern latrines

### Financing:

African Development Fund:	10,000,000 UA
RWSSI Trust Fund:	5,000,000 UA
Government:	1,500,000 UA
Beneficiaries:	750,000 UA

668,000 persons access safe drinking water  
750,000 persons access improved sanitation  
Creation of 300 jobs during implementation  
154 permanent jobs at completion



AFRICAN DEVELOPMENT BANK GROUP

### 3d. Malawi - Sustainable Rural Water and Sanitation Infrastructure for Improved Health and Livelihoods Project



To improve health and livelihoods of marginalized rural population and thus spur socio-economic growth

- ✓ 2,925 communal water points
- ✓ 450 new boreholes
- ✓ Storage reservoirs and stations
- ✓ 166 sanitation facilities

#### Financing:

African Development Fund:	15,000,000 UA
Nigerian Trust Fund:	5,000,000 UA
RWSSI Trust Fund:	3,100,000 UA
Government:	2,510,000 UA

- ✓ 516,000 people access improved water supply
- ✓ 575,000 with improved sanitation
- ✓ 6,760 jobs created
- ✓ Improved water resources mgmt. and resilience to CC



AFRICAN DEVELOPMENT BANK GROUP

### 3e. Delegation of Water and Sanitation O&M to Private Sector (Morocco)

Pilot for 3 rural areas totalling 390 000 inhabitants

- OBA approach
- Capacity building
- Close M&E and knowledge management
- Preparation of Replication on 10 other areas

Financing plan (€ 3 m):

AWF:	€ 0.8 m
RWSSI-TF:	€ 0.5 m
FAPA:	€ 0.4 m
ONEE:	€ 1.3 m

Upscaling  
Beneficiaries: 2m  
Jobs: 2000



### 3f. Kikonge multipurpose dam (Tanzania) – to be prepared by AWF

Hydropower: 300 MW  
Irrigation: 4000 Ha irrigated land, 14.000 direct beneficiaries  
W & S: Improved Water Supply and Sanitation to 14. 000 beneficiaries

African Water Facility Involvement  
Prefeasibility Study: 1.750.000 € secured  
SSEA 250.000 € secured  
Full Feasibility Study 2.500.000 € not secured

Down Stream Investment  
Dam : 500 m €  
Hydropower Generation : 250 m €  
Irrigation and W & S : 25 m €

Leverage factor: 200 upon investment, after completing full design

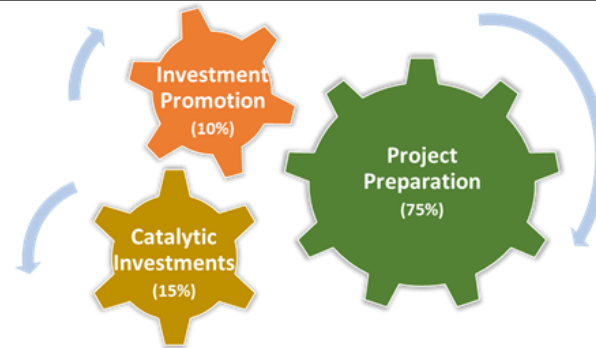
## 4. Two-Tiered Business Opportunities

Category	Potential Opportunities	Tier 1: At Bank	Tier 2: With RMCs
<b>Services</b>	Consultancy Firms: specialized studies, project design, evaluation, development of tools and guidelines and capacity building for staff	Yes	Yes
	Consultancy Firms: feasibility studies and detailed design; construction supervision, institutional support		Yes
	Individual Consultants: services to Bank/RMCs for directly managed activities; project preparation, evaluation, supervision, Technical Assistance	Yes	Yes
	Audit companies	Yes	Yes
	Operation of Water and Sanitation Infrastructure/service provision		Yes
<b>Goods</b>	Office supplies and equipment; vehicles; specialized equipment		Yes
<b>Works</b>	Water supply, sanitation, water resources infrastructure		Yes

# 2017 AWF Pipeline of Projects

(project preparation pillar; available for implementation from 2018)

Country	Project	Proposed Amount (Euro)
Mali	Elaboration du Plan de gestion des R. E de la plaine du delta 2	1,900,000
Multinational	Projet d'appui à la création de l'organisme des bassin Ogoue, Nyanga, Ntem et Komo	1,082,298
Sierra Leone	Greater Freetown Water Supply and Sanitation Master Plan and Investment Studies	1,620,000
Ethiopia	Improving Climate resilience of communities	1,700,000
Multinational	Preparation of WRD Plan	700,000
<b>TOTAL PROJECTS 2017</b>		<b>7,002,298</b>



# 2017-2018 AHWS Proposed Pipeline of Projects

(potential PPPs - available from 2018)

4 contd.

Project	Amount (Euro)
Botswana North South CARA Water Corporation	100,000,000
Kenya NYERI Water and Sewerage Company	1,345,757
Kenya Murang'a South Water and Sanitation Company	5,513,867
Lilongwe Water Board	50,000,000
Uganda National Water and Sewerage Corporation	
Togo RWL Water (Private Enterprise) Minisitere de Finances	21,000 000

# 2017/8 Indicative Pipeline of Projects (available for implementation from 2018) <sup>4 contd.</sup>

COUNTRY	PROJECT_NAME	Cost (mUA)
Sierra Leone	Freetown water supply and sanitation project	20
Burkina Faso	Projet ass. de Ouagadougou, phase 2	30
Côte d'Ivoire	Projet d'AEPA en milieu rural	45
Côte d'Ivoire	Projet Gestion Intégrée Bassin Du Gourou	100
Guinea-Bissau	Rural water supply & sanitation project	1
Liberia	Water supply and sanitation program	30
Gambia	Rural Peri-rban water supply and sanitation	3
Gambia	Support to the water and electricity utility NAWEC	10
Madagascar	Projet d'AEPA en milieu rural, phase 2	20
Gabon	Programme intégré d'alimentation en eau potable et assainissement de Libreville	0
Gabon	Etude du schéma directeur d'assainissement des eaux usées et pluviales de POG	1
Nigeria	Abuja City integrated infrastructure development project	287
Angola	Water Resources Mgmt Study	0.8
Namibia	Windhoek managed aquifer recharge	50
Mozambique	Pemba City sewerage project	45
Mozambique	Nampula sewerage rehabilitation project	35
Mozambique	Niassa Provincial Towns water supply and sanitation project –2	60
Sudan	Water and sanitation project	18
Egypt	Abu Rawash Sludge Facility	46
Tunisia	Programme d'assainissement de 80 communes de moins de 10 000 habitants	90
Rwanda	Water supply and sanitation in the secondary cities	115

# Opportunities from Portfolio of Active Projects

Detailed information on all ongoing projects can be found at  
<http://www.afdb.org/en/documents/project-operations/project-appraisal-reports/#c>

More information on the portfolio of AWF projects can be found at  
[www.africanwaterfacility.org](http://www.africanwaterfacility.org)

# THANK YOU

