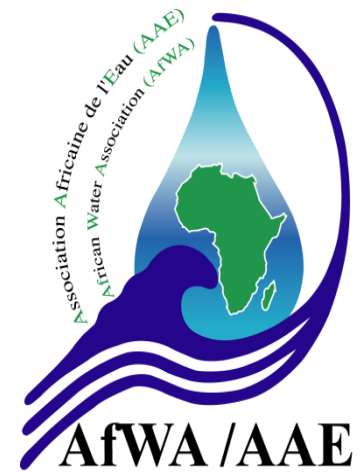


# THE AFRICAN WATER ASSOCIATION



## RESEARCH-2-PRACTICE FORUM ON ENERGY, WATER SECURITY AND CLIMATE CHANGE IN AFRICA

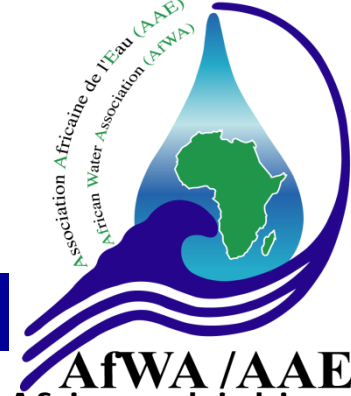
16-18 APRIL 2018

CLEMCEN ALGERIA

### LINKING RESEARCH TO PRACTITIONERS

Sylvain USHER  
Executive Director

# THE AFRICAN WATER ASSOCIATION



## AfWA .... IN A SNAPSHOT

Executive Directors of several regional organizations of the African drinking water and sanitation sector decided to establish an Association known as:

THE UNION OF AFRICAN WATER SUPPLIERS (U.A.W.S.) in February 1980

THE AFRICAN WATER ASSOCIATION (AfWA) 2004

### A) AfWA's Bodies

The Congress

The General Assembly

The Executive Board

The Scientific and Technical Council

The Executive Office

### C) The Resources

They consist essentially of contributions from members and, exceptionally, grants and subsidies.

### B) The Members

Regular members

Affiliated Members

Individual Members

Honorary Members

18th AfWA CONGRESS NAIROBI

22 - 25 February 2016

Executive Board & the President of Kenya



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## PRESENTATION OF THE AFRICAN WATER ASSOCIATION



**D) The Actions of the African Water Association are grouped into in 7 categories:**

1. The limited individual Capacity Building Programs
2. The Specific Partnerships
3. The Technical Projects
4. The Association initiatives
5. The Participation in Task Forces & Working groups
6. The Long term Capacity Building Programs
7. The Capacity building Institution

### **AfWA's PROGRAMS FRAMEWORK**

The Foundation of AfWA's program Framework is based on the two followings :

- ✚ AMCOW's African Water Vision 2025
- ✚ AfWA strategic Business Plan



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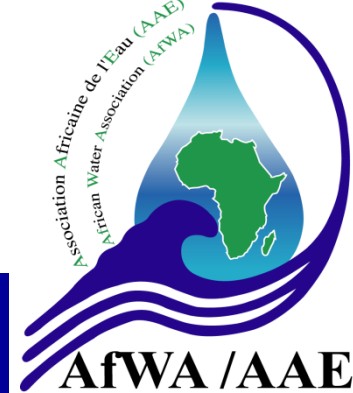
AfWA various capacity building programs 2009 to 2018



- i. **Water Operators Partnership Africa**
- ii. **Reducing Non Revenue Water in sub Saharan Africa**
- iii. **African Young water Sanitation professional small Grant Program**
- iv. **Monitoring Safe Water in in sub Saharan Africa**
- v. **Reinforcing African Sanitation Operators (RASOP)**
- vi. **African Capacity building program (AFRICAP)**
- vii. **Afri Alliance.**

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**AfWA various capacity building programs 2009 to 2018**



## The African Young Water and Sanitation Professional Program and AfWA Small Grant

The program was launched in 2012 with financial support from USAID

AfYWSP program operates under the auspices AfWA. Membership - water professionals /students < 35 yrs

### **The objectives of the AfYWSP program**

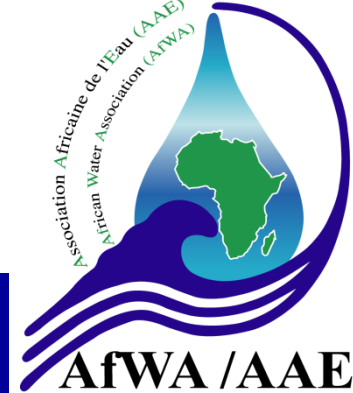
- Career and professional development and providing leadership opportunities
- Engagement /involvement of YWP and provide opportunities for AfYWSP to positively contribute to the sector
- Platform for knowledge development /sharing AfWA events & collaboration with other organizations

AfWA supported AfYWSP activities in the region (sub-Saharan Africa) through a Small Grant program capitalized initially at **USD 200,000 with minimum 5,000 and max 10,000 AfYWSP** - The Small grant program focused on:

- Activities related to NRW & urban water and sanitation issues enabling AfYWSP to complement activities of their respective utilities /countries/regions.

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## AfWA various capacity building programs 2009 to 2018



### Goal of the Programme

- Empowering young people to actively participate in addressing NRW and sanitation issues
- Stimulating innovation among the young water professionals
- Institution strengthening of the YWP networks in Africa (establishment of Regional/National Chapters)
- Improve lives of people by increasing access to reliable and safe water and sanitation services
- build careers and give opportunity to AfYWSP in the region in addressing needs of the water and sanitation sector

### Activities to be supported by the grant programme

- Education & awareness campaigns on NRW reduction and sanitation improvement
- Advocacy for NRW management and or improved urban sanitation
- Applied research
- Public Intellectual Dialogues & debates etc

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**AfWA various capacity building programs 2009 to 2018**

## **Achievement**

**54 projects were submitted, 13 projects coming from nine countries were awarded. Awarded countries: Uganda, Kenya, Malawi, Zimbabwe, Swaziland, Rwanda, DR Congo, Cameroon and Senegal. Around 80% of the budget were spent under this program, the remaining 20% is due to non-completed projects.**



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## AfWA various capacity building programs 2009 to 2018

	Title	PAYS
1	Kariobangi North Non-Formal Schools Sanitation Awareness	KENYA
2	Improving Access to Peri-Urban Sanitation in Bwaise - Uganda	UGANDA
3	Establishment of a Model DMA for NWSC in Kampala	UGANDA
4	MA-Youth Tujiusishe WASH Program NRW management at population level	KENYA
5	Water and Sanitation Promotion Project	MALAWI
6	Public Facilities Non Revenue Water Awareness & Management Project	ZIMBABWE
7	Awareness rising on the use of constructed wetlands for wastewater treatment in Rwanda	RWANDA
8	Community Water Policing	SWAZILAN D
9	Faecal sludge management in the suburban area of Dakar: Potential Risks on the drinking water sources and the health of populations	SENEGAL
10	Contribution to the reduction of water losses in private areas in Dakar	SENEGAL
11	Sensitizing on SOUND MANAGEMENT OF RAINWATER in the city of Uvira, DR Congo	RD CONGO
12	Establishment of a Model DMA for NWSC in Gulu	UGANDA
13	Creation of a pilot project, for the coaching of ten NRW management committees in ten neighborhoods in the cities of Yaoundé and Douala	CAMEROO N



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**AfWA various capacity building programs 2009 to 2018**



## The AfWA scholarship for research development in the water and sanitation sector

In 2013, the AfWA Executive Board developed and adopted a new **STRATEGIC BUSINESS PLAN (2013-2017)**.

**Strategic Objective # 6 in the AfWA Strategic Action Plan provides for the promotion of research and the production of scientific knowledge through project grants for member companies.**

Through this objective, the AfWA has considered contributing to research in order to provide solutions to the major challenges facing this sector, and in particular the water and sanitation utilities.

These research activities are part of the overall framework for the implementation of AfWA projects and programs.

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AfWA various capacity building programs 2009 to 2018



## The AfWA scholarship for research development in the water and sanitation sector

Through one of its main programs AfriCap, the AfWA has committed to funding for a period of three years sixty research projects from 2016 to 2019. The expected results of this action are to involve youth from universities in research activities production and knowledge sharing to develop the WASH sector.

During the 2016-2017 academic year, **AfWA awarded 18 scholarships to students from eight (8) countries in West Africa.**

**Target beneficiaries are Master and PhD level students.**

Each scholarship, with a maximum value of USD1,000 (one thousand), will make it possible to carry out a research work sanctioned by a scientific report on a theme related to the WASH sector.

# THE AFRICAN WATER ASSOCIATION

**AfWA various capacity building programs 2009 to 2018**



## The AfWA scholarship for research development in the water and sanitation sector

The research Topics were identified by the utilities members of AfWA through a process led by the AfWA Scientific and Technical Council

### **List of research topics**

The following themes were selected for this scholarship program for the 2017-2018 academic year:

1. Approaches to reducing Non-Revenue Water in water utilities
2. Improved Water Quality Control
3. Water services in low-income urban areas
4. Fecal sludge Management
5. Improvement of urban and peri-urban sanitation
6. ICT use in water and sanitation services

**For the 2017-2018 academic year, twenty-two (22) scholarships shall be awarded.**

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**AfWA various capacity building programs 2009 to 2018**



## **Application process**

Candidates for the scholarship program will formulate their research topics in relation to one of the themes proposed in this call for applications. They will also be able to apply to one of the research topics proposed by one of the members of AfWA. Topics will be available on AfWA website from..... To apply, applicants must fulfill the following requirements:

- Be a citizen of a country in the USAID West Africa desk coverage area;
- be in good standing academically with respect to their institution;
- Submit a nomination file including :
  1. Student card or registration receipt for the current year
  2. Last completed degree
  3. Curriculum vitae,
  4. Three recommendation letters (one should be from the academic supervisor),
  5. Research proposal form to be downloaded from AfWA website ([www.afwa-hq.org](http://www.afwa-hq.org)).

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## AfWA various capacity building programs 2009 to 2018

	NOM/PRENOMS	THEME	UNIVERSITE	PAYS
1	EKPE Sévérin	Impact des pratiques de transport et de stockage sur la qualité des eaux de consommation en milieu urbain et péri-urbain: cas de la commune d'Abomey-Calavi en République du Bénin.	Université d'Abomey Calavi	BENIN
2	AFOUDA Olayèmi Naomie	Efficacité des produits de chloration de l'eau à domicile disponibles sur les marchés de Cotonou et de Bohicon	Université d'Abomey Calavi	BENIN
3	Halissou Yarou	Approvisionnement en eau potable en milieu rural à l'aide d'un dispositif autonome utilisant les TIC : cas de la commune de Kandi au Bénin.	l'Université d'Abomey-Calavi	BENIN
4	Madjidou Amadou	Eau Non Facturée sur les réseaux d'Adduction d'Eau Villageoise de Lissegazoun dans la commune d'ALLADA	Université d'Abomey-Calavi	BENIN
5	SORE Ouindpouiré Auguste Aristide	Gestion des boues de vidanges par l'ONEA dans la ville de Ouagadougou au Burkina Faso : Caractérisation des boues séchées à la station de Zaktouli et utilisation de ces boues pour la production de compost agricole.	Institut International de l'Ingénierie de l'Eau et de l'Environnement (2iE)	BURKINA FASO

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## AfWA various capacity building programs 2009 to 2018

	NOM/PRENOMS	THEME	UNIVERSITE	PAYS
6	OUATTARA Dohtioh Kroubi Alimata	Elimination des nutriments des eaux usées domestiques par un marais artificiel planté de <i>Andropogon gayanus</i> (Kunth, 1833), <i>Chrysopogon zizanioides</i> (Roberty, 1960), <i>Hyparrhenia diplandra</i> (Hack., 1918), <i>Tripsacum laxum</i> (Nash, 1909) et <i>Pennisetum purpureum</i> (Schumach., 1827).	Université Nangui Abrogoua	COTE D IVOIRE
7	KABRAN Marie Claire Epse GUEHI	Évaluation de l'efficacité de l'assainissement total pilote par la communauté en milieu péri-urbain d'Abidjan (Côte d'Ivoire)	Université Félix Houphouët Boigny	COTE D IVOIRE
8	YEO Katchéné Marie-Mireille	Elimination des résidus pharmaceutiques du milieu aqueux par adsorption sur une argile locale : application sur la ciprofloxacine.	Université Nangui Abrogoua	COTE D IVOIRE
9	KONAN Béhibro Ange-Delon	Usage des TIC dans les services d'eau et d'assainissement	Université Nangui Abrogoua	COTE D IVOIRE
10	ASAMOAH Godfred	Biological treatment of leachate	Université Abdelmalek Essadi	GHANA
11	DIAKITE Toumani	Water services in low-income urban areas	Université des sciences des techniques et des technologies de Bamako	MALI

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## AfWA various capacity building programs 2009 to 2018

	<b>NOM/PRENOMS</b>	<b>THEME</b>	<b>UNIVERSITE</b>	<b>PAYS</b>
<b>12</b>	COULIBALY Fatoumata Ousmane	State of groundwater pollution in the city of Bamako	Ecole Nationale d'Ingénierie - Abderrahmane Baba Touré	MALI
<b>13</b>	NOUHOU MOUSSA ABDOUL WAHAB	Brewery wastewater treatment by anaerobic membrane / nanofiltration bioreactor coupling	Institut International de l'Ingénierie de l'Eau et de l'Environnement (2iE)	NIGER
<b>14</b>	AKPAN Samuel Nsikan	Multiple Antibiotic Resistance (MAR) Indices of Enterobacteriaceae Isolates from Lafenwa Municipal Abattoir Effluent and its Receiving Water, River Ogun.	University of Ibadan	NIGERIA
<b>15</b>	MBAYA Isaac Diop	Problem of drinking water supply in the city of Thiès: sustainable access and quality of the resource	Université Cheikh Anta Diop	SENEGAL

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**AfWA various capacity building programs 2009 to 2018**

	<b>NOM/PRENOMS</b>	<b>THEME</b>	<b>UNIVERSITE</b>	<b>PAYS</b>
<b>16</b>	POUYE Awa Ba	Study of the quality of water used by fishmongers and fish landed at the fishing port of Dakar: microbiological and mineral control of water and fish..	Université Cheikh Anta Diop	SENEGAL
<b>17</b>	YAMOUTI Edwige Richala	The provision of water services in low-income urban areas: the case of Togo	Université de Lomé	LOME
<b>18</b>	YAKPE Dieudonné	Faecal Sludge Management in Sub-Saharan African Cities: Strengthening the Wastewater Management System in the City of Lomé	Ecole Africaine des Métiers de l'Architecture et de l'Urbanisme (EAMAU)	LOME



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# THANK YOU