

2019 - 2020

Biennial REPORT of Activities

African Water Association
Association Africaine de l'Eau

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Acronyms

AfriCap	AfWA Regional Institutional Capacity Building Program
AfWA	African Water Association
AIMF	International Association of Francophone Mayors
APAA	Pan-African Association of Sanitation Stakeholders
ASSESS	Analytical Support and Evaluation Service for Sustainable systems in agriculture, environment and trade
AWASA	African Water And Sanitation Academy
BWB	Blantyre Water Board
CAWST	Centre for Affordable Water and Sanitation Technology
STC	Scientific and Technical Council
EB	Executive Board
EAH	Eau, Assainissement et Hygiène
ESAWAS	Eastern and Southern African Water and Sanitation Regulators Association
EU	European Union
FSM	Fecal Sludge Management
GAPWAS	German African Partnership for Water And Sanitation
GWP	German Water Partnership
GWCL	Ghana Water Compagny Limited
GWOPA	Global Water Operators' Partnership Alliance
IRC	International Water and Sanitation
IWA	International Water Association
NRW	Non-Revenue Water
NWSA	Nigeria Water Supply Association
NWSC	National Water And Sewerage Corporation
OFID	The OPEC Fund for International Development
ONEA	National Office for Water and Sanitation
ONEP	National Office for Potable Water
PAUWES	Pan African University Institute of Water and Energy Sciences
PIP	Performance Improvement Plan
RASOP - Africa	Reinforcing Capacity of African Sanitation Operators through Peer-to-Peer Partnerships
SAO-CWIS	Strengthening AfWA and Operators' capacity for the implementation of City-Wide Inclusive Sanitation in Africa
SDGs	Sustainable Development Goals
SEG	Guinea Water Utility
SODECI	Water Utility of Côte d'Ivoire
SOMAGEP	Mali Water Management Utility
USAID	United States Agency for International Development
WASH	Water, Sanitation and Hygiene
WOP	Water Operators' Partnership





Message from the President of AfWA

“The future is bright!”

My dear friends,
Dear partners,

It is a great pleasure for me to address you to express my sincere thanks and my deep appreciation for the confidence you are showing our Association and for your commitment to serve the cause of the African population.

The year 2019 started off in a favorable background when the coronavirus disease began to loom on the horizon until it became a pandemic by mid-March 2020.

While we were able to carry out our activities in 2019 under the chairmanship of Mr. Abderrahim El Hafidi, Director General of the National Office of Electricity and Drinking Water (ONEE) of Morocco, in 2020, we had to adapt to a new environment imposed by COVID 19.

However, we note with satisfaction that over the past two years we have been able to affirm our position as a leading organization in improving the performance of water and sanitation stakeholders on the continent by meeting most of our commitments to our members and partners. Indeed, STC meetings and donor-funded activities were held face-to-face in 2019. In addition, the organization of the 20th International Congress and Exhibition held in Kampala, Uganda, along with the celebration of the 40 years of existence of our Association, also marked by the handover by President El Hafidi to me, was one of the most important events organized by our Association in early 2020, since it brought together about 2,700 participants from around the world.

In 2020, our Association was struck to the core by the sudden passing of its program coordinator for sanitation at the Executive Office.

After a period of mourning and lethargy, the staff was able to move on and continue its activities.

Thus, despite the health crisis that forced all countries to close their borders, AfWA was able to maintain its position while adapting. We have conducted a survey of members' satisfaction and needs, the results of which will enable us to refine our strategy. In terms of knowledge sharing, there is an increasing demand for the Association on the international scene, in high-level meetings on the sector, to share its know-how and make its voice heard. We have also increased our presence in the media and all this is to our advantage.

But none of this would have been possible without you, our members and partners. That is why I would like to thank you, our partners, from the bottom of my heart, for the unwavering trust you continue to place in us. Thanks to you, AfWA can expand on the continent and strengthen its membership.

Thank you, dear members, for your commitment without which AfWA would not have reached this level of performance.

The future is bright! We are working together and meticulously for the sole purpose of meeting the challenge of the populations' access to water in quantity and quality as well as to adequate sanitation services in accordance with target 6 of the Sustainable Development Goals. The projects and programs implemented to this end are our compass. We know we can do it. Together we can make it happen.

Thank you for your confidence.

Silver MUGISHA
President of AfWA
General Manager
National Water and Sewerage Corporation,
Uganda

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Who we are



History

The African Water Association (AfWA), Union of African Water Suppliers, was established in February 1980 from the will of some leaders of African water utilities. The aim was to pool their human, technical and financial resources in order to optimize the training of men and women in the sector and to create a synergy around the search for solutions to improve access to sanitation and drinking water for African populations. AfWA brings together utilities that produce and distribute drinking water, those that manage sanitation services, as well as those that regulate sectoral policies in African countries. Initially composed of 7 members in the 1980s, the Association now has 128 members in Africa and beyond.

Our Mission

To mobilize stakeholders in the water and sanitation sector in Africa to build their capacity for sustainable access to water and sanitation services for all.

Our Vision

To be the leader in capacity building in the water and sanitation sector in Africa.

Our Members

AfWA has four categories of membership. Regular Members are water and sanitation utilities based in Africa. Affiliate Members are companies that provide goods and services related to the production of drinking water and sanitation services.

Individual Members are consultants, students, any other stakeholder in the sector wishing to be aware of the evolution of the sanitation and drinking water sector in Africa. Honorary Members are natural or legal persons who have rendered distinguished services to the Association and who are recognized as such by the Association.



Our Values

Professionalism

We listen to our members and provide solutions adapted to their expectations through a quality service.

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Innovation

We are very committed to research and to finding innovative solutions to our members' concerns.

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Excellence

We give our best to substantially support members in providing quality water and sanitation services.

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Transparency

We share our information as broadly as possible and place particular emphasis on accountability to our members.

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The Executive Office

We feel a deep sense of belonging and pride in accomplishing the mission and vision of AfWA with personal and collective excellence.



Photo of the African Water Association Executive Board

The Congress

It meets once every two years and brings together all members, international organizations and experts. During these congresses, technical sessions are organized to discuss various topics.



The General Assembly

It gathers all the members of the Association, once a year and ratifies the decisions or proposals made by the Executive Board.



The Executive Board

It administers and represents the political entity of the Association. It proposes actions and decisions to the General Assembly.



The Scientific and Technical Council

Which, through the specialized committees, organizes study sessions to reflect on various issues encountered in the sector by the members of the Association. There are three specialized committees: management, technical water management, sanitation management and environment.



The Executive Office

Which is the permanent structure in charge of the administrative, accounting and technical management of the Association.



A view of the participants at the 2020 Kampala International Congress and Exhibition of AfWA

Our Programs

The AfriCap Program

This program aims to support AfWA in its mandate to strengthen the capacity of African stakeholders in the water, sanitation and hygiene sector through (i) dissemination of knowledge and good practices, (ii) peer-to-peer learning partnerships and (iii) strengthening the institutional capacity of AfWA.

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The AFRIALLIANCE Project

The AFRIALLIANCE Project aims to better prepare Africa, and in particular operators of the sanitation and water sector, to face the challenges of climate change and to take into account this now unavoidable element in the programming of the operational development of their utilities.

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The Research and Training Program

The Research and Training Program supports the training of young professionals in the water and sanitation sector to prepare them for the future, and to involve them now in the search for solutions to the challenges facing this sector in Africa.

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The RASOP-Africa Project

The Project to strengthen the capacities of African operators in on-site sanitation and fecal sludge management through peer-to-peer partnerships. This is a 3-year project that benefits 5 African cities (Bamako, Kampala, Lusaka, Yaoundé and Yamoussoukro), and aims to improve the coverage and quality of service in on-site sanitation and fecal sludge management.

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The African Water and Sanitation Academy

The African Water and Sanitation Academy is a center of excellence for improving the performance of the water and sanitation sector in Africa. Its primary calling is to strengthen the capacities of managers of water and sanitation utilities and authorities, as well as the leadership and management skills of decision makers in the sector in Africa. It will combine, in an innovative way, scientific techniques and governance of the water sector within the framework of a specific African identity.

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The SAO-CWIS Program

The SAO-CWIS Program funded by the Bill and Melinda Gates Foundation aims to build the capacity of the African Water Association and sanitation operators to implement inclusive sanitation at city level in Africa. The project's activities, which span three years, consist primarily of peer-to-peer partnerships, training, networking, and advocacy. The project aims to help provide safe sanitation services to more than 10 million people in thirty cities in Sub-Saharan Africa.

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The SIP-WOPs Program

This project, funded by OFID/GWOPA over the 2019-2021 period is the implementation of short-term partnerships between water operators to help operators achieve the Sustainable Development Goals (SDGs) and make progress towards achieving sustainable access to safe drinking water for all. It will develop and implement a medium-term Performance Improvement Plan (PIP) for the Blantyre Water Board in Malawi and Sodo Wolaita Water and Sewerage Service Enterprise in Ethiopia.

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The GAPWAS Project (German-African Partnership for Water and Sanitation)

The GAPWAS project, funded by German Water Partnerships (GWP) for a period of three years (2019-2021), aims to support AfWA to adequately address the needs of its members and to foster effective knowledge transfer in the African water and sanitation sector.

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Visit of the ONAD's sewage sludge treatment plant in Kouassiblékro, Bouaké within the framework of the SAO-CWIS project

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2018-2022 Strategic Plan



The 2018-2022 Strategic Plan is the successor to the 2013-2017 Strategic Plan of the African Water Association. It consolidates the achievements of the previous plan and completes the actions started. For the next five years, four objectives have been selected to serve as a “compass” for AfWA in its vision to become the recognized leader in capacity building for water and sanitation utilities in Africa

Strategic Objective 1:

Strengthen the Association at the institutional level to reinforce its leadership and ensure better service to members

Over the 2018-2022 period, AfWA intends to improve its organizational performance to better provide leadership to the water and sanitation sector at the continental level and ensure better service to members. This improvement will be achieved through strengthening its regulatory framework and governance bodies, increasing membership and strengthening the operational capacity of the Executive Office.

This will involve, among other things, a review of the Association’s Statute and Bye-laws with a view to their improvement and effective application. In a bid to revitalize the Association’s bodies, the Regional Vice Presidents and the STC bureau will be supported in the implementation and monitoring of their action plans. In addition, the strategy for mobilizing members will be reviewed in order to offer them services that meet their needs, and thus motivate their commitment and new memberships.

Internal management tools will also be improved and AfWA staff strengthened through training sessions. AfWA plans to have its Finance and Strategy Department certified to international quality standards to strengthen its credibility.

Strategic Objective 2:

Strengthen the capacities of water and sanitation operators in Africa to improve their performance

The vision of AfWA is “to be the leader in capacity building of the water and sanitation sector in Africa”. During the five-year period of

this Strategic Plan, the Association will promote the adoption of good practices and innovative technologies in the WASH sector in order to improve the performance of the players. Better performance should contribute to improve water and sanitation services for the population.

To enable members to take ownership of these best practices and new technologies, AfWA will promote close collaboration among sector operators through the implementation of more peer-to-peer partnerships for knowledge sharing. It also intends to strengthen members’ capacities through the implementation of innovative development projects and the operationalization of the African Water and Sanitation Academy. The primary objective of this training center will be to build the capacity of professionals in the sector in order to facilitate the inclusion of innovative management approaches in their service delivery to the population.

Strategic Objective 3:

Diversify partnerships to promote synergies of action in the sector

In order to increase its operational effectiveness and efficiency, it is essential for AfWA to create synergies of action with stakeholders in the WASH sector through the establishment of various partnerships.

The upside of this close collaboration between AfWA and the sector’s stakeholders will be to encourage their active participation and ensuring a better impact of actions in the long term.

In its previous 2013-2017 Business Plan, AfWA encouraged gender mainstreaming in the WASH sector through the promotion of national professional women’s networks.

The young professionals who represent the future of the sector were also privileged.

The young professionals’ networks have received technical and financial support to implement development and research projects related to the sector. Similarly, during the 2018-2022 period, special emphasis will be placed on revitalizing existing networks and promoting new professional networks.

Strategic Objective 4:

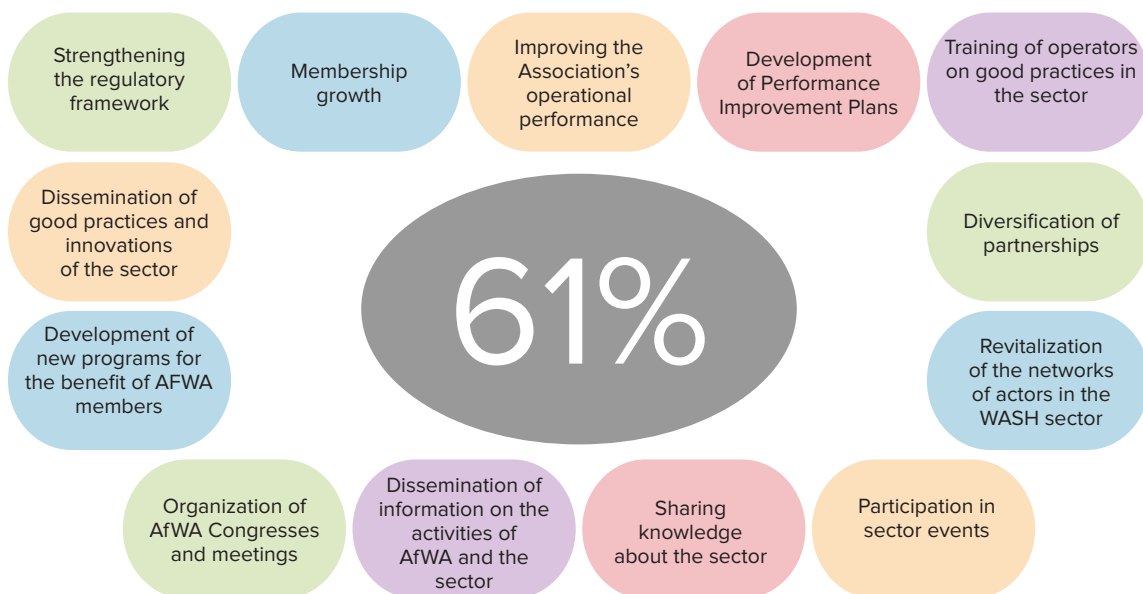
Improve the visibility of the Association as a reference platform for knowledge sharing and advocacy for the sector

AfWA's goal is to better position itself as a key platform for capacity building of water and sanitation operators, knowledge sharing in Africa and advocacy. AfWA must therefore work to strengthen its visibility at the continental and international levels in order to further increase its notoriety.

This will be achieved through increased information dissemination and knowledge sharing activities of the WASH sector as well as an increasing presence of the Association on the international stage.

In addition, AfWA will step up its advocacy activities to encourage policy makers and development partners to better take into account the needs of the sector in public policies and resources.

The implementation of the previous AfWA Strategic Plan resulted in advocacy activities at AfWA events and the production of a white paper on sanitation. During the 2018 - 2022 period, AfWA conducted similar actions with the organization of high-level debates and the publication of advocacy documents.



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2019-2020 track record



Institutional reinforcement of AfWA to strengthen its leadership in the WASH sector in Africa and ensure better services to members

Strengthening the regulatory framework

Following the call for application for the renewal of AfWA's governing bodies launched in 2019, the bureaus of the Executive Board and the three subcommittees (Governance, Program and Finance) were renewed for the 2020 to 2022 period. Thus, during the 20th Congress of AfWA, the handover of AfWA Presidency between the outgoing President, Mr. Abderrahim El Hafidi, and the new President-elect, Mr. Silver Mugisha, Managing Director of the National Water Sewerage Company (NWSC) was organized. A new sub-committee on "Membership Engagement and Development" was established to better engage governance in member service efforts. The Annual General Assembly held on February 22, 2020 validated the new bodies and mandated the Executive Board to restructure the STC bureau.

Membership growth

A review of the Membership Database has begun to allow for better tracking of membership progress. From January 2019 to December 2020, AfWA recorded 22 new members. A campaign to collect outstanding contributions from members is underway to strengthen the Association's financial self-sufficiency impacted in part by the effects of the COVID 19 health crisis.

A Membership Services Office was created to develop and implement a new member engagement strategy. As a result, a survey of AfWA members' satisfaction and needs, conducted by the Netherlands-based consulting firm Stichting IRC International Water and Sanitation Centre, was launched in December 2020. The report of this survey will guide the development of a new strategy with a range of services more relevant to members' needs, which should help engage new members and retain existing ones. The results

of the evaluation of the webinar series, hosted by ACE from April to May 2020 on the fight against COVID 19, demonstrate a clear interest in the Association by non-member players. Non-members represented more than half of the participants.

Improving the Association's operational performance

The mid-term evaluation of the AfriCap program for capacity building of AfWA was conducted by USAID West Africa from January 14 to 30, 2019. This evaluation found clear progress in terms of capacity building of the Association and made recommendations for further improvements. Thus, for the staff's capacity building, several training sessions were organized with the support of the GAPWAS project funded by the German Water Partnership (GWP). The ERP software package for the computerization of manual tasks and the automation of internal processes was also put into operation to improve the performance of the Executive Office.

In addition, from 2019 to 2020, four new staff members, including a Gender Specialist, were recruited to strengthen the Executive Office team. The latter is responsible for developing a gender strategy for greater sector responsiveness and coordinating assistance to national women's networks. A review of staff job descriptions to better align them with the strategic objectives of AfWA began in 2020 and will be completed in 2021 with an updating of the Executive Office's organizational chart.

Table 1: Stakeholders' participation in webinars on the fight against COVID 19

	Water Quality	Sanitation	Financing	Communications	IT	Total	%
Number of participants members	67	42	34	33	21	197	42,92
Number of participants non-members	85	97	28	35	17	262	57,08
Total number of participants	152	139	62	68	38	459	100

Source: Monitoring, Evaluation and Learning Department, December 2020.

Capacity building of water and sanitation operators in Africa to improve performance

Development of Performance Improvement Plans

From March to September 2019, five missions to monitor and evaluate the implementation of Performance Improvement Plans (PIPs) of water quality control laboratories were conducted in Cameroon, Côte d'Ivoire, Guinea and Niger. These missions were organized under the aegis of the AfriCap program for the reinforcement of the capacities of the beneficiary laboratories in the program and in collaboration with the expert auditors of the Water Utility of Burkina Faso (ONEA) and of the Water Utility of Côte d'Ivoire (SODECI). The objective is to make a mid-term assessment of the implementation of the PIPs in order to make proposals for the success of the implementation.

The WOP-OFID peer-to-peer learning project launch workshop was organized from June 24 to 28, 2019 in Barcelona, Spain. A benchmarking visit of four staff members from the beneficiary utilities Blantyre Water Board (BWB) of Malawi and Sodo Town Water utility of Ethiopia was then held at eThekweni Municipality in Durban from September 16 to 20, 2019. The objective was to learn from the mentor's best practices. The audit visits to the beneficiary utilities were conducted in October 2019 and should lead to the development of performance improvement plans. From 2016 to 2020, 29 PIPs were developed by AfWA for mentees through peer-to-peer partnerships involving 32 African cities in total (see Figure 1).

Training of operators on good practices in the sector

From January 29 to 31, 2019, the AfriCap program enabled the training of approximately 30 water quality control laboratory technicians from 11 AfWA member utilities in Niger. Subsequently, workshops to support the development of the laboratory technical management quality manual were held in April and June 2019 in Nigeria and Togo respectively. This was in partnership with the mentor utilities, Ghana Water Company Limited (GWCL) and Office National de l'Eau et de l'Assainissement (National Office for Water and Sanitation) (ONEA). In total, about 60 participants from 14 water utilities from Cameroon, Guinea, Niger, Nigeria and Togo attended the sessions.

As part of the RASOP Africa project on on-site sanitation, a training workshop on the use of the Fecal Sludge Management Toolkit was organized, in collaboration with the technical partner Athena Infonomics, in June 2019 in Abidjan. Approximately 27 participants from municipalities, sanitation utilities, and project consultants were in attendance. Under the AfriAlliance project, which aims to strengthen the resilience of water and sanitation utilities to climate change, online courses were organized from May to June 2019 for sector stakeholders on the theme: "Water and Climate Change in Africa". From 2016 to 2020, AfWA trained 1,117 sector professionals, 18% of whom are women (see Figure 2).

Dissemination of best practices and innovations in the sector

For the dissemination of good practices of the RASOP project, the strategic plans on on-site sanitation of the five beneficiary cities were produced and published on AfWA website and its knowledge sharing platform as well as a film on on-site sanitation and fecal sludge management. From December 9 to 11, 2019, a symposium was organized in Ouagadougou, Burkina Faso, under the auspices of the AfriCap program on the theme: “Investing in water quality for the sustainability of life”. This symposium aimed to provide decision makers with an overview of best practices and innovations in water quality control, and more than 60 participants attended.

Following its roadshow held in Marrakech, Morocco, on September 30, 2019 on technological innovations, the AfriAlliance project organized a second roadshow in November 2019 in Yaoundé on the theme: “Approaches: Technical and social innovations or a healthy environment at community level” in the presence of about 100 participants. On October 29, 2020, as part of the 21st WaterNet Symposium, the AfriAlliance project organized its 5th workshop on the transfer of innovative solutions entitled “IWRM in the face of climate change”. During the 20th AfWA Congress in February 2020 in Kampala, the GWP-funded GAPWAS project held two roundtables on current water and sanitation challenges in Africa and possible solutions.

Development of new programs for AfWA members

During the 20th Congress of AfWA in Kampala, two new AfWA member programs, Strengthening African Operators in City-Wide Inclusive Sanitation

(SAO-CWIS) and the German-African Partnership for Water and Sanitation (GAPWAS) were officially launched, and a workshop to introduce the AfriCap Phase 2 capacity building program was held. They are funded by BMGF, German Water Partnership (GWP) and USAID West Africa respectively from 2019 to 2023. These programs will support AfWA in the implementation of its 2018-2022 Strategic Plan and will help improve the range of services to members as well as build the capacity of member utilities and the Association.

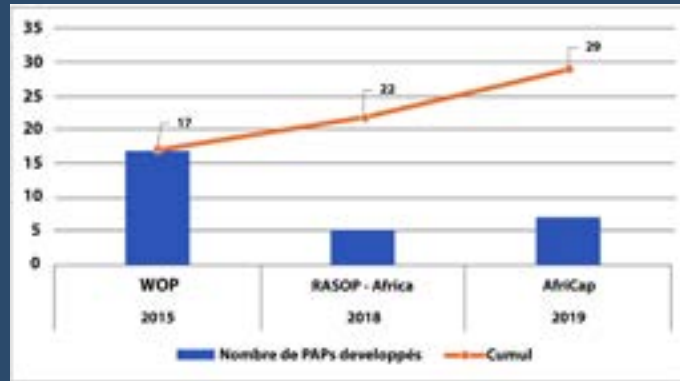
The African Water and Sanitation Academy (AWASA) was launched during the AfWA Congress in Kampala. This structure will oversee the development of training modules for capacity building of AfWA members as well as the implementation of training.

The 2017-2019 three-year fellowship program, which provided 60 scholarships to Master 2 students under the AfriCap program, ended in 2020. Benin and Senegal are the countries that received more scholarships, with 28.6% and 14.3% respectively (see Figures 3 and 4). The findings of the research studies, which focus on sector issues, are disseminated through the AfWA knowledge management and sharing platform. They are expected to contribute, through the recommended solutions, to strengthening the sector’s performance. Table 2 summarizes the student research themes from 2017 to 2019. The phase 2 scholarship program will be launched in 2021 and will last until 2023.



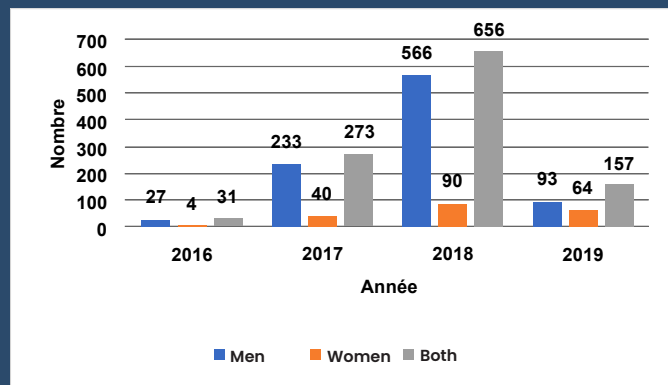
Handover between Mr. Abderrahim El HAFIDI at the end of his term and Dr. Ing. Silver MUGISHA, new President of AfWA

Figure 1: Evolution of developed PIPs from 2015 to 2019



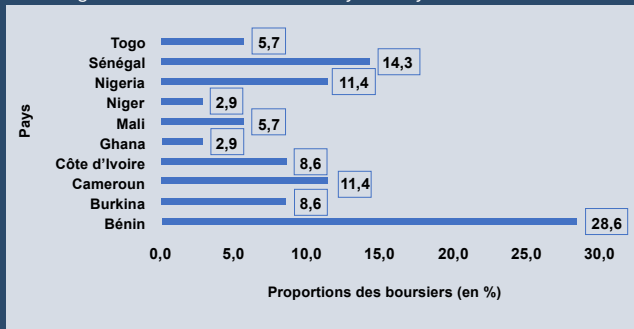
Source: Monitoring, Evaluation and Learning Department, december 2020

Figure 2: Number of technicians trained from 2016 to 2019



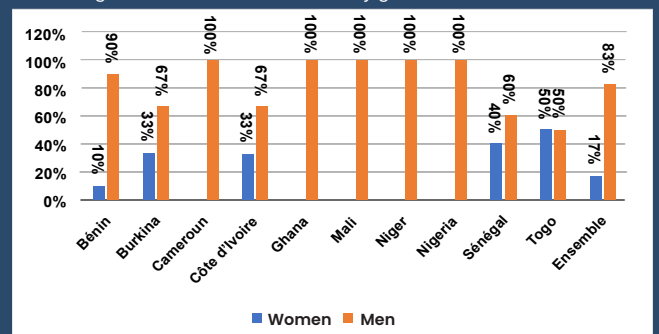
Source: Monitoring, Evaluation and Learning Department, december 2020

Figure 3: Distribution of fellows by country from 2017 to 2019



Source: Monitoring, Evaluation and Learning Department, december 2020

Figure 4: Distribution of fellows by gender from 2017-2019.



Source: Monitoring, Evaluation and Learning Department, september 2020

Table 2: Research themes of the 2017-2019 fellows.

WATER

- Multiple Antibiotic Resistance (MAR) Indices of Enterobacteriaceae Isolates from Lafenwa Municipal Abattoir Effluent and its Receiving Water, River Ogun.
- 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.
- Efficacité des produits de chloration de l'eau à domicile disponibles sur les marchés de Cotonou et de Bohicon
- Microbial Source Tracking and Molecular Characterisation of Escherichia coli O157:H7 Isolated from Selected Rivers in Osun State, Nigeria
- Gestion durable des ressources en eau, biodiversité de la faune aquatique : évaluation des organismes bio indicateurs de la pollution aux hydrocarbures
- Amélioration de la qualité organoleptique de l'eau potable par l'utilisation du charbon actif en poudre (CAP): cas de la station de production Ziga II, OUAGADOUGOU, BURKINA FASO
- Sources and Concentration of Arsenic in Deep and Shallow Aquifers in Ibadan.
- Apport de la géostatistique à l'étude de l'état mercuriel du lac Ahémé (Sud Bénin)
- Essai de traitement physico-chimique de l'eau potable par la poudre de tourteaux des graines de Moringa Oleifera
- Amélioration du contrôle de la Qualité de l'eau dans l'arrondissement de Maroua I (localité de la partie septentrionale du Cameroun).
- Eau Non Facturée sur les réseaux d'Adduction d'Eau Publique de Godomey dans la commune d'ABOMEY-CALAVI
- Approches de réduction de l'Eau Non Facturée dans les sociétés d'eau des forages du département de Matam dans un contexte de réforme pour un développement durable.
- Evaluation quantitative et qualitative des ressources en eau souterraine dans le Nord ouest du Bénin : Apport des méthodes SIG et hydrogéochimies à l'étude des aquifères discontinus du Département de la Donga
- Variabilités climatiques (1980 – 2016) et quantification des ressources en eau dans le bassin versant de la Mifi-sud - Hautes Terres de l'Ouest-Cameroun
- The provision of water services in low-income urban areas: the case of Togo
- Approvisionnement en eau potable en milieu urbain à faible revenu (Bamako et ses environs) : Etat des lieux
- Analyse des déterminants de l'accès à l'eau potable et à l'assainissement des ménages urbains et péri-urbains du Nord-Bénin dans un contexte de changement climatique
- Water Supply Challenges in Low Income Urban Area: A Study of Agbowo Community, Ibadan, Nigeria
- Le réseau « spaghetti » d'approvisionnement en eau dans les quartiers périphériques de la ville de Douala (Cameroun) : le cas de Logbessou II
- Contribution de la géomatique dans l'optimalisation de la couverture d'approvisionnement en eau potable dans la commune VI du district de Bamako
- Contribution des politiques de décentralisation à la gestion durable des services d'Eau Potable, d'Hygiène et d'Assainissement : cas d'Abomey-Calavi (Bénin)

SANITATION

- Le traitement d'eaux usées de brasserie par un couplage bioréacteur à membranes anaérobie/ nanofiltration
- 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
- Biological treatment of leachate
- Cartographie du niveau d'Assainissement et des sources d'approvisionnement en eau d'Avocatier Agnissankoi
- Elimination des résidus pharmaceutiques du milieu aqueux par adsorption sur une argile locale : application sur la ciprofloxacine.
- Amélioration de la gestion des eaux usées ménagères domestiques dans la commune de Yamoussoukro : cas du quartier habitat
- Mise en place des techniques alternatives de gestion des eaux pluviales dans la banlieue de Dakar (Pikine) : Amélioration de l'assainissement urbain et péri-urbain.
- Contribution a la gestion durable des boues de vidange par un traitement et une valorisation agronomique au Togo : cas de la commune d'Aného
- Assessment of faecal sludge treatment by anaerobic digestion: case study in Kumasi, Ghana.
- Analyse du pouvoir épuratoire d'un filtre planté de roseaux dans le traitement des effluents Issus de l'abattoir de la commune de Yaoundé I.
- Essai de Traitement des eaux usées d'abattoir par lagunage et par filtre planté en milieu tropical urbain.
- Analyse de l'hygiène et de la gestion des systèmes d'assainissement dans les quartiers périphériques du Sénégal: Cas du quartier de Pikine à Saint-Louis.
- Valorisation des déchets issus de l'exploitation des noix de cocos pour le traitement des eaux résiduaires urbaines par biofiltration aérée
- Traitement des effluents hospitaliers par couplage de l'électrocoagulation à la biofiltration : cas des effluents hospitaliers du CNHU
- Gouvernance des services d'Eau Hygiène Assainissement à l'échelle communale, cas de la commune de Port-Bouet/Abidjan : état des lieux et Analyse comparative du cadre institutionnel.
- Valorisation des boues de vidanges traitées en agriculture dans les Hautes Terres de l'Ouest-Cameroun : Essai d'amendement des sols et influence sur les paramètres physiologiques et biochimiques du gombo (Abelmoschus esculentus)
- Amélioration de la déshydratation des boues de vidange et de la qualité des résidus en utilisant du bio charbon de bambou comme conditionneur physique dans des zones humides construites à l'échelle pilote.
- Compostage des boues de vidange : technologies appropriées pour une ville moyenne d'Afrique centrale et valeurs agronomiques
- Application des SIG pour la gestion de l'eau et l'assainissement du quartier de Sabalibougou en Commune V du District de Bamako, Mali
- Etude et réalisation d'un système intelligent et connecté pour le pilotage des stations de traitements et de pompes d'eau de l'Office National de l'Eau et de l'Assainissement (ONEA, Burkina Faso)

Synergies of action for greater efficiency and impact

Diversification of partnerships

In terms of strategic partnerships, two Memoranda of Understanding were signed during the 20th AfWA Congress with the Association Internationale des Maires Francophones (International Association of Francophone Mayors) (AIMF) and Eastern and Southern African Water and Sanitation Regulators Association (ESAWAS). On February 22, 2020, members of the AfWA Executive Board attended the IWA Board of Directors meeting in Kampala. This initiative further strengthened the partnership between the two sister organizations.

In terms of scientific partnerships, from March to August 2020, AfWA supervised the research of two Master's students in the framework of its partnership with the Pan African University for Energy and Water (PAUWES) based in Tiemcen, Algeria. The research topics were “The effects of Non-Revenue Water on the technical and financial management of water utilities - Cases of Burkina Faso, Côte d'Ivoire and Tanzania” and “ The impact of water utility management policies and

systems on the performance of water services in Africa: Cases of Côte d'Ivoire and Burkina Faso”.

The results of this work were presented to the participants at the 85th STC meeting in November 2020.

With regard to technical partnerships, partnerships were signed in October 2019 with Speak up Africa for advocacy and with CAWST (Centre for Affordable Water and Sanitation Technology) for training under the SAO-CWIS program. Through its partnership with the USAID-funded TetraTech/ MuniWASH project (Strengthening Municipalities and Sanitation Service Providers in Benin and Côte d'Ivoire Project), AfWA participated in the workshop to validate the criteria for selecting beneficiary municipalities on March 11, 2020. There were also exchanges on the terms of collaboration between AfWA and MuniWASH on knowledge management and sharing. Partnership documents are expected to be finalized for signature during 2021.

In terms of financial partnerships, AfWA has signed funding agreements to implement programs for the benefit of members over the next four years with the Bill and Melinda Gates Foundation, the German Water Partnership (GWP) and USAID West Africa.



Signature of MoUs between AfWA and AIMF (top) and between AfWA & ESAWAS (bottom), February 2020, Kampala - UGANDA

Revitalization of the networks of actors in the WASH sector

In its bid to create synergy actions for greater impact, the Association supports different actors in the sector and promotes in its communication channels their various activities.

Support for national networks of women professionals in the sector

1 Organization of a Master Class by the AfWA Research and Training Program in collaboration with WaterWorx on “Women’s Leadership and Personal Development” from April 29 to May 03, 2019 in Mali with 35 participants from AfWA member utilities.

2 Organization of the 3rd Forum of National Networks of Women Professionals of the sector held as a prelude to the Congress on February 23, 2020 in Kampala on the theme “Women committed to new horizons in the field of water and sanitation”.

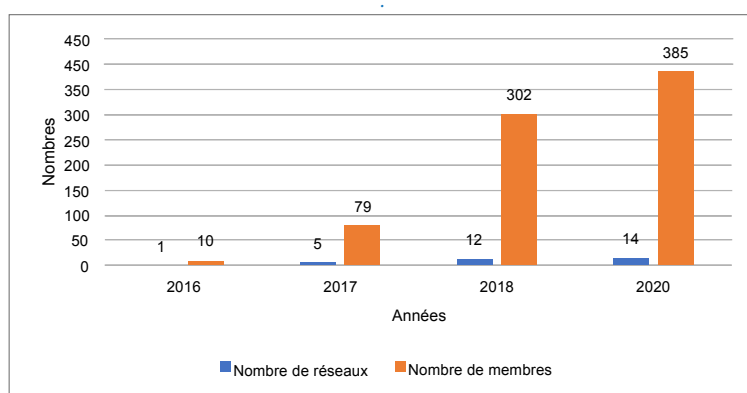
The forum was attended by over 200 participants and eminent personalities including the Minister of State for the Environment and the Speaker of the Parliament of Uganda. The forum aimed to engage and sensitize sector practitioners on the role of women in advancing the water and sanitation agenda in Africa.

3 National network activities were widely publicized, including those related to the 2019 World Water Day, awareness raising on water waste and environmental conservation, and the response to COVID 19.

4 Also, women members of these networks participated in significant numbers in the 2019 and 2020 AfWA STC meetings as well as in the webinars held in the context of the fight against COVID 19. They made up about 35% of the online participants, and of the 44 panelists in these twelve webinars, 27%, were women.

By the end of December 2020, AfWA had 14 national networks of women professionals in the sector with 391 members

Figure 5: Evolution of national networks of women professionals in the sector of water and sanitation from 2016 to 2020.



Source: Monitoring, Evaluation and Learning Department-AfWA (December 2020).

Photo 3: Disinfection session by the AFPEEC Network of the Nylon Brazzaville Lycée Bilingue of Douala, June 2020



Messages from women leaders of national networks, November 2020



Géraldine Mpouma Logmo, Cameroon

“ Women must stand up for the cause of sanitation. Their lives and the lives of their children are at stake. Investing in sustainable sanitation brings development, many opportunities and helps save the planet.. ”



Julienne Sié, Côte d'Ivoire

“ With more than 80% of the population (Ivorian) resorting to on-site sanitation systems, it is up to each of us individually or collectively, through households, emptying companies or by the intervention of organizations and institutions to promote:

- The setting up and maintenance of adapted sanitation equipment such as toilets, septic tanks;
- A secure collection and transport system;
- The provision and proper functioning of dedicated treatment units. Together let's make our toilets means of preserving life. ”



Mariam Ahmed, Djibouti

“ On the occasion of World Toilet Day, the awareness of the people should be raised so that they connect to a sustainable and decent sanitation facility and equip themselves with an adequate hand washing device; all things that will consequently annihilate diseases related to the lack of hygiene and thus promote, in the long term, the life expectancy of the households. ”



Faustina BOACHIE, Ghana

“ It is important to note that the lack of a toilet in a household can have a negative impact on the health of not only the people who live there, but also those in the neighbors. This means that we all have a shared responsibility to build sustainable, safe, accessible, affordable and culturally acceptable toilets, not only for our own sake, but also for the sake of those around us. Everyone should have access to safe and clean toilets as well as clean water and handwashing facilities to help stop the spread of deadly infectious diseases such as diarrhea, cholera, typhoid, and COVID-19. ”



Mouminatou ADJIBI, Benin

“ Under the threat of climate change, the protection of water, hygiene and sanitation infrastructures is more than ever the responsibility of all, for the health and well-being of our populations and that of future generations. ”



Kadiatou Konaré Malinké, Mali

“ Nothing is more amazing than to see that in Africa, people without access to toilets are walking around in communities with a smartphone in hand.. As committed leaders in the water and sanitation sector, we, women, reiterate our commitment to support AfWA in its quest for African solutions for a sustainable access to sanitation for the most vulnerable, namely women and children. ”

Support for networks of young professionals in the sector

1

In order to prepare a sufficiently trained new generation aware of the challenges of the water and sanitation sector in Africa, AfWA supports the creation of national committees of young professionals in the sector. Moreover, it also

prepares their participation in the 9th World Water Forum in 2022. By the end of 2020, there were 16 national committees of young African professionals.

2

The 4th Forum of Young Professionals in Water and Sanitation was held on February 23, 2020 in Kampala, on the sidelines of the 20th Congress of AfWA, on the theme: "The voice of the young as a solution for WASH issues on the Continent".

The forum brought together more than 200 participants and featured panel discussions and presentations of the experiences of the national committees of Uganda, Kenya, DRC and Senegal.

Support to other networks of actors

1

The launch workshop of the Pan African Sanitation Association (PASA) took place on February 17, 2019 in Cape Town in the presence of over 70 emptiers from 17 African countries and representatives of partner organizations. PASA intends to work closely

with AfWA and partner organizations to provide support to its members and to improve and enhance the value of emptying services.

2

The 3rd forum of Mayors was organized during the 20th Congress of AfWA on February 25, 2020 with the theme: "For a sustainable sanitation in African cities". On this occasion, local elected officials reaffirmed their commitments to sanitation made in February

2019 at the WSF5/AfricaSan5 conference in South Africa, and shared their experiences on the progress made as a result of the Declaration. Roundtables and brainstorming sessions were also held to strengthen intercity partnerships.

3

During the 85th meetings of the AfWA STC in November 2020, a webinar on "Local governance and the challenges of health crises and integrity for water and sanitation" was held on November 12, 2020. Local elected officials from cities in Cameroon, Côte d'Ivoire, Malawi, Nigeria and Uganda shared their experiences on their actions for the sustainable management of water and sanitation services during the COVID 19 pandemic.



85^{èmes} Assises du Conseil Scientifique et Technique de l'Association Africaine de l'Eau

PANEL DE DISCUSSION DES GOUVERNANTS LOCAUX

Date et Heure
12 nov. 2020
11h30 – 13h30

Thème : « La gouvernance locale face aux défis des crises sanitaires et de l'intégrité pour l'eau et l'assainissement »

Modérateurs

Dr. Eng. Siméon KENFACK
Directeur des programmes, AAE
Côte d'Ivoire



Dr. Najat Zarrouk
Directrice de l'Académie
Africaine des Collectivités Locales
Maroc

Panélistes



Hon. Tony Dubem ONYIA
Conseiller spécial du gouverneur
pour les ressources en eau,
Nigéria



Mme Julianna GONDWE
Maire de Lilongwe,
Malawi



Mme Hon Olive Namazzi
Ministre de la santé, des sports,
de l'éducation et de l'environnement,
Ouganda



M. Richard MFEUNGWANG
Maire de Douala 5è,
Cameroun



M. Nicolas. DJIBO
Maire de la commune de Bouaké,
Côte d'Ivoire

Inscription : afwawebconference@afwa-hq.org

Photo 5: Webinar for local elected officials, 85th STC Assembly, November 2020

Improving the visibility of the Association in order to increase its notoriety as a platform of exchanges and advocacy for the sector in Africa

Organization of AfWA Congresses and Conferences

The Association makes good use of the organization of its events or its participation in major meetings on the sector to lead high-level debates on issues related to water and sanitation. This is also an opportunity to advocate to decision-makers and promote knowledge sharing among sector actors.

Thus, during the 2019-2020 period, five meetings of the Scientific and Technical Council (STC) were held to discuss various issues in the sector, which are summarized in Table 1.

It should be noted that owing to the health crisis that the world has been experiencing since

March 2020, the 84th and the 85th AfWA STC meetings were held by videoconference for the first time. In total, nearly 400 actors of the sector, including 34% of women, took part in these 2020 meetings. This participation is considered important, especially in a Congress year when only two meetings are held. Figure 7, which highlights the average annual attendance at STC meetings since 2015, clearly illustrates this fact.

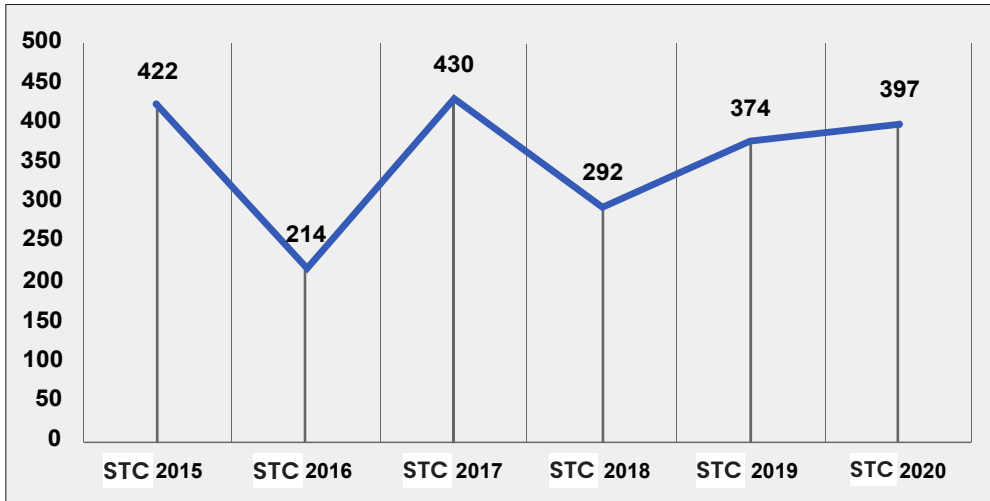
The year 2020 was marked by the organization of the 20th International Congress and Exhibition of AfWA held from February 24 to 27, 2020 in Kampala under the theme: “Solutions and innovations to address the critical issue of access to water and sanitation in Africa”. The program included the opening ceremony presided over by the President of Uganda, His Excellency Yoweri Museveni, plenary sessions, conferences, an exhibition and the celebration of the 40th anniversary of AfWA. More than 2,000 industry stakeholders attended; the largest attendance recorded since 2014 as shown in Figure 8.

Table 2: STC meetings in 2019 and 2020

No. of meetings	Topics	Date	Venue
81 st meeting	Financing, cooperation and capacity building, levers for improving access to drinking water and sanitation services in Africa.	From April 1 to 5, 2019	Rabat
82 nd meeting	Strengthening accountability for the performance and autonomy of water and sanitation utilities to improve access for all in Africa	From July 29 to August 1, 2019	Addis Ababa
83 rd meeting	The relevance of the circular economy for access to safe water and sanitation for all in Africa	From November 11 to 15, 2019	Kampala
84 th meeting	Mechanisms for maintaining the quality of water and sanitation services in Africa and resilience in times of health crisis	July 27-29, 2020	Online under the sponsorship of TOGO
85 th meeting	Challenges and opportunities of health crises in achieving Goal 6 of the SDGs: what strategies should AfWA use to support responses in Africa?	November 16 to 18, 2020	Online under the sponsorship of SIPPEC

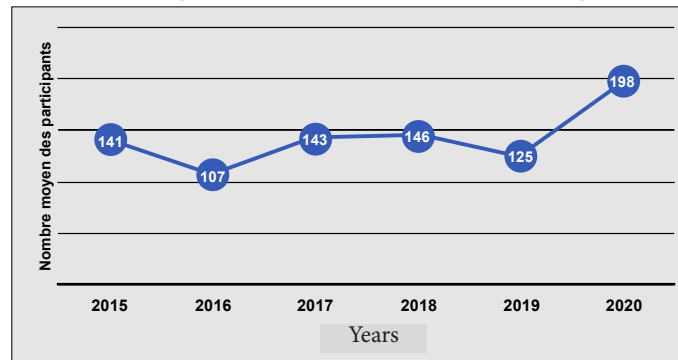
Source: Monitoring, Evaluation and Learning Department -AfWA (December 2020).

Figure 6: Evolution of stakeholder participation in STC meetings from 2015 to 2020



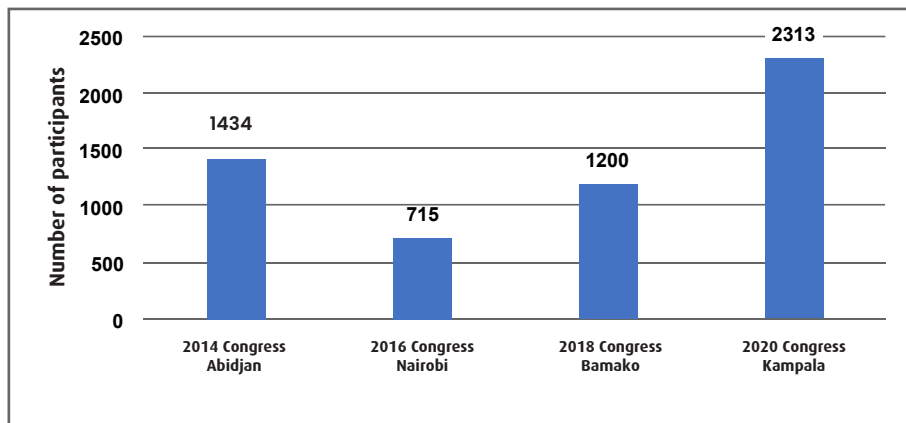
Source: Monitoring, Evaluation and Learning Department, December 2020.

Figure 7: Evolution of average stakeholder participation in STC meetings from 2015 to 2020



Source: Monitoring, Evaluation and Learning Department, December 2020.

Figure 8: Evolution of participation in AfWA Congresses from 2014 to 2020



Source: Monitoring, Evaluation and Learning Department-AfWA (December 2020).

Dissemination of information on the activities of AfWA and the sector

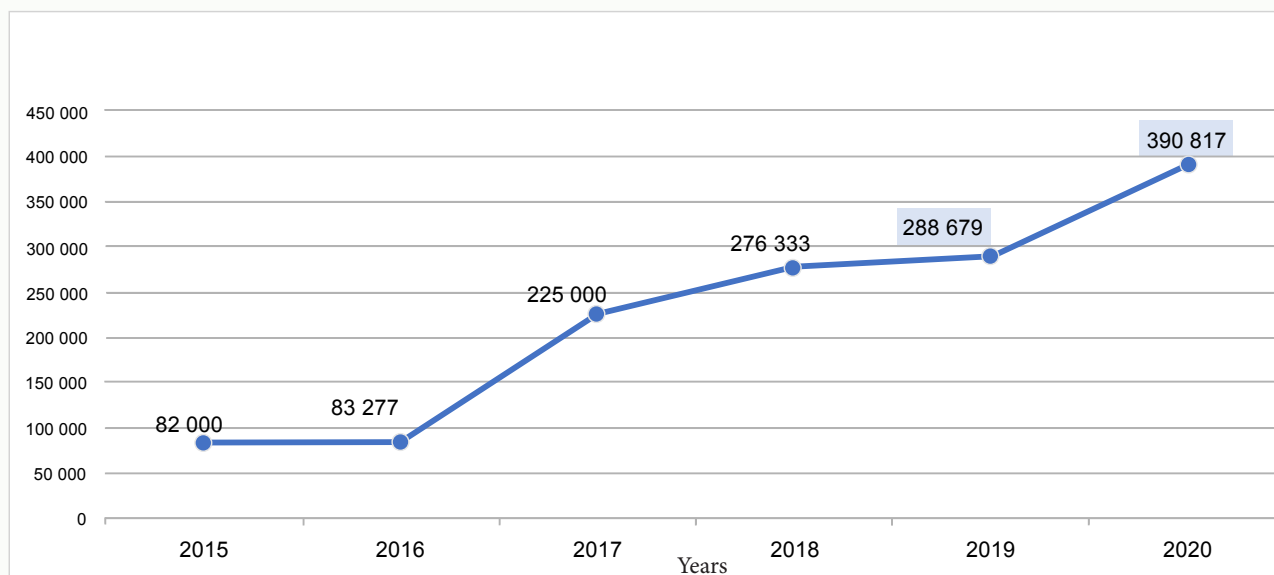
During 2019 and 2020, sector stakeholders were regularly informed of water and sanitation sector activities through traditional communication media. AfWA produced and disseminated six issues of the AfWA News magazine online (Nos. 124 to 129) as well as the 2019 and 2020 yearbooks. AfWA News No. 126, a “Special Congress” dossier, particularly aimed at promoting the event, with a look back at “the history of AfWA”. Several articles on the activities of members and partners were also published on AfWA website and on social networks, and regularly shared with partners.

On July 28, 2020, the Association held a press conference with about 40 journalists specializing in the WASH sector to share its vision and discuss key challenges in the sector in the face of the health crisis. At the end of that discussion, regular meetings of WASH

journalists were proposed in order to better communicate on the activities of AfWA and the sector and a WhatsApp group was set up. In addition, a training workshop on advocacy, public relations and social media management for the benefit of Communication Directors of WASH member utilities from fifteen African countries was held from August 6 to 14, 2020.

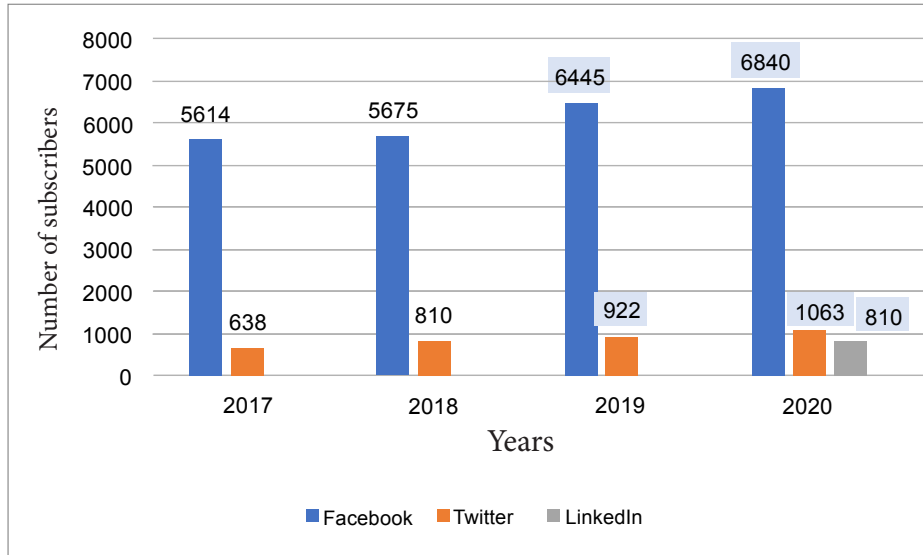
The revitalization of AfWA website and its regular updating to make it more attractive were completed with the renewal of the home page, the introduction of member profiles and payment of contributions, and the collection of online donations. This has contributed to an increase in the number of visits to the website as well as the number of subscribers to social networks (see Figures 9 and 10). The Congress and the various webinars organized by AfWA could also explain this growth.

Figure 9: Change in total number of visitors to AfWA website from 2015 to 2020.



Source: Monitoring, Evaluation and Learning Department-AfWA (December 2020).

Figure 10: Evolution of the number of subscribers to AfWA platforms from 2017 to 2020.



Source: Monitoring, Evaluation and Learning Department-AfWA (December 2020).

Sharing knowledge about the sector

Technical conferences, symposia, plenary sessions, open houses and workshops held during the STC and the 20th AfWA Congress provided a platform for industry discussions and learning that was appreciated by participants. As part of the fight against COVID 19, the Association organized a series of webinars on the impact of the pandemic on its member utilities. In total, approximately 700 stakeholders from nearly 470 industry organizations, 36% of whom were women, participated in these webinars.

The majority of the participants congratulated AfWA for this initiative and wished it to be repeated regularly for information sharing and capitalization of experiences and lessons learned. These webinars were published on the GWOPA platform and AfWA website. COVID-19 control measures produced by AfWA and its partners (such as IWA, Isle Utilities, GWOPA) were also published through AfWA’s communication channels. Over the period from 2015 to 2020, AfWA reached nearly 8,500 industry players through its events, and nearly half (i.e., 43.50%) were reached in 2020 as shown in Table 3 below.

Table 3: Number of actors reached by AfWA from 2015 to 2020

	2015-2019 STC	2016-2018 Congress	Symposium WQ	TOTAL 2015-2019	2020 STC	2020 Congress	2020 Webinars	TOTAL 2020
Number of actors	1732	2998	51	4781	397	2312	973	3682
Number of events	13	2	1	16	2	1	14	17

To revitalize the AfWA knowledge sharing platform, the content of the platform has been updated to focus on AfWA's 40 years of existence and its achievements. The creation of new sub-menus to improve the "publications" menu is underway and will allow, among other things, the posting of videos on technological advances as well as thematic maps on the WASH sector in Africa. At the end of December 2020, AfWA had 27,190 visits to the platform by 17,709 people.

SHARE WATER Magazine N°10 was produced and published via AfWA website and knowledge sharing platform, and an updated contact list is underway. From 2019 to 2020, a total of 160 knowledge products related to the sector, including technical papers from STC meetings and the 20th Congress of AfWA, have been disseminated in the digital library of the

<https://afwakm.afwa-hq.org>. The same is true of the findings of some 30 research papers by scholarship recipients and some Learning Notes from the MuniWASH project for strengthening municipalities. These documents should contribute, through the recommended solutions, to strengthening the performance of the sector.

Participation in sector events

From 2019 to 2020, AfWA took an active part in several events organized by industry partners at the national, regional and international levels.



A screenshot of AfWA Knowledge Sharing platform

2021 OUTLOOK

The COVID 19 pandemic has caused a real "tsunami" worldwide and forced people to adapt to a new way of life. Owing to the security measures adopted by the countries, including border closures and lockdowns, some of AfWA's activities were postponed or cancelled. These constraints led AfWA to opt for a new modus operandi focused on online activities. To this end, the development of webinars has proven to be a real opportunity, reaching multiple stakeholders and highlighting the great interest of non-member participants in the Association.

A new membership management strategy for a more appropriate service package for members should be developed during 2021, with the inclusion of the gender dimension. AfWA has also adopted a new program implementation strategy based on close collaboration with regional implementation partners for a greater presence among beneficiaries. The year 2021 also opens with prospects for strengthening relations with traditional technical and financial partners and other potential partners, who will support, among others activities, the operationalization of the African Water and Sanitation Academy (AWASA).

AfWA in Africa

At the international level

■ June 2019

Barcelona, Spain: WOP-OFID project kick-off workshop.

■ May 2020

Online: Executive Director's participation in GWP's webinar on the effects of the COVID-19 pandemic on water and sanitation utilities in Africa.

■ May - June 2020

Sweden, Stockholm: World Water Week.

■ August 2020

Germany, Munich: Participation in the IFAT digital exhibition.

■ September 2020

Online: Executive Director's participation as moderator at the conference on the theme: "Non-Revenue Water in Africa: Challenges and Possible Solutions".

Online: Executive Director's participation in the Water Security Day.

At the regional level

■ January 2019

Niger, Anger: Training workshop in metrology, organized through the AfriCap program.

■ March 2019

Ethiopia, Addis-Ababa: World Water Day and launch of the National Water Program of Ethiopia.

■ April 2019

Morocco, Rabat: Financing, cooperation and capacity building, levers for improving access to drinking water and sanitation services in Africa.

Nigeria: Workshops to support the development of the laboratory technical management quality manual.

■ June 2019

Senegal, Dakar: Kick off meeting of the 2021 World Water Forum Dakar.

Togo: Support workshops for the development of the manual for quality technical management of laboratories.

■ July 2019

STC in Ethiopia, Addis Ababa: Strengthening accountability for the performance and empowerment of water and sanitation utilities to improve access for all in Africa.

■ July 2020

STC online under the sponsorship of Togo: Mechanisms for maintaining the quality of water and sanitation services in Africa and resilience in times of health crisis.

■ August 2019

Nigeria, Abuja: E-WASH brainstorming workshop for the formulation of sanitation interventions.

■ September 2019

Cameroon, Côte d'Ivoire, Guinea, Niger: Monitoring and evaluation missions for the PIPs.

South Africa, Durban: Benchmarking visit of WOP-OFID project beneficiaries to eThekweni municipality.

Morocco, Marrakech: Roadshow AfriAlliance Roadshow on technological innovations.



and in the world

■ October 2019

Kenya: Meeting of implementing partners in the water and sanitation sector in Africa organized by the BMGF.

Ethiopia, Blantyre: Audit visits to beneficiary companies.

Malawi, Sodo: Audit visits to beneficiary companies.

■ November 2019

STC in Uganda, Kampala: The relevance of the circular economy for access to safe water and sanitation for all in Africa.

■ Cameroon, Yaoundé:

AfriAlliance Roadshow on the theme “Technical and social innovations or a healthy environment at community level”.

■ December 2019

Burkina Faso, Ouagadougou: A symposium was organized under the auspices of the AfriCap program on the theme: “Investing in water quality for the sustainability of life”.

■ February 2020

20th International Congress and Exhibition of AfWA in Uganda, Kampala: Organization of the Congress on the theme: “Solutions and innovations to address the critical issue of access to water and sanitation in Africa”.

■ July 2020

Online STC under the sponsorship of Togo under the theme: Mechanisms for maintaining the quality of water and sanitation services in Africa and resilience in times of health crisis.

■ August 2020

Online: Executive Director’s participation as a panelist in the online conference organized by the Water Research Commission (WRC), South Africa, on the theme: “Water, Sanitation and Hygiene and COVID-19: Africa’s Response to COVID-19 and Beyond”.

■ November 2020

Online STC under the sponsorship of SIPPEC: Challenges and opportunities of health crises on the achievement of Goal 6 of the SDGs: What AfWA strategies to support the responses in Africa?

In Côte d’Ivoire

■ March 2019

Yamoussoukro: Participation of AfWA Research and Training Coordinator in the celebration of the World Water Day organized by the Ecole Supérieure des Mines et Géologie of the Institut National Polytechnique Houphouët Boigny.

■ June 2019

Abidjan: Validation workshop of the National Strategy for Sanitation in rural areas organized by the Ivorian Ministry of Sanitation and Hygiene.

■ September 2019

Jacquerville: Participation of the Research and Training Coordinator of AfWA in the celebration of the workshop for the drafting of the National Strategy for Sanitation in Rural Areas (SNAR).

■ October 2020

Abidjan: Participation of the Senior Coordinator of the AfriCap program in the workshop on the establishment of an observatory on water quality.



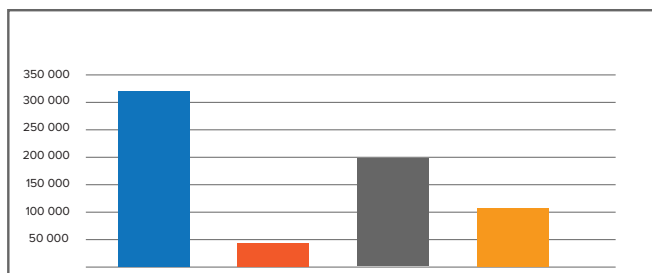
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Financial statement



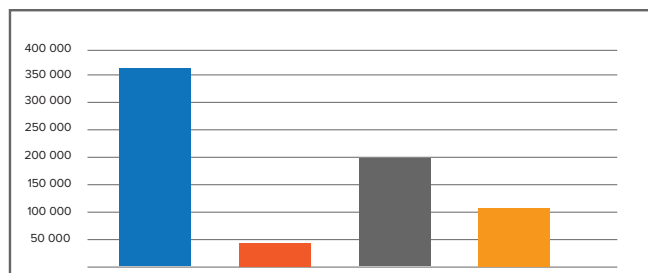
2019 Financial Overview

2019 Total Incomes



- Membership Fees (317,771 EUR)
- Resumption of Provision costumers (39,243 EUR)
- Sale of services and miscellaneous Others Products (199,219 EUR)
- Incomes on Programs Implementation (105,681 EUR)

2019 Total Expenses

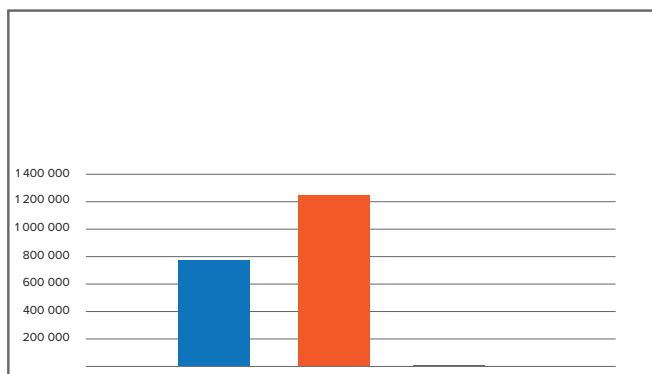


- Salaries and benefits (361,381 EUR)
- Depreciation and financial charges (8,741 EUR)
- External Services (295,785 EUR)
- Other running expenses (53,847 EUR)

The rate of coverage of expenses by income received is 92%. Income from contributions represents 48% of income collected. The objectives for the following years are to raise this rate as well as the level of revenue generated from the services sold by the organization.

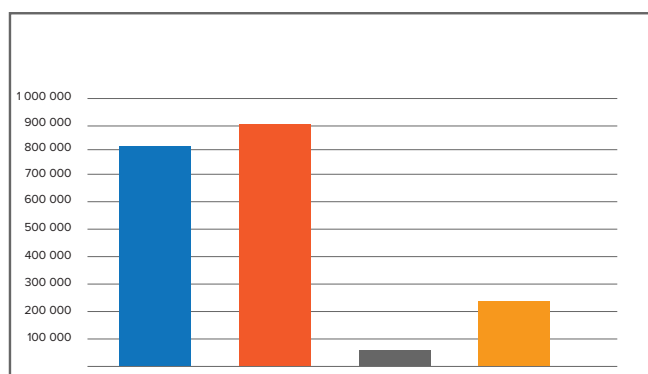
2020 Financial Overview

2020 Total Incomes



- Membership Services (783,362 EUR)
- Donors Grant (1,265,142 EUR)
- Other Incomes (11,322 EUR)

2020 Total Expenses



- Salaries and benefits (819,303 EUR)
- External Services (924,679 EUR)
- Amortization and Provisions (67,163 EUR)
- Other Running expenses (232,325 EUR)

The rate of coverage of expenses by income received is 101%. This performance is due to the holding of the KAMPALA 2020 Congress. Income from services sold (membership fees, advertising inserts in the association's magazines and yearbook, Kampala 2020 international congress, income from the implementation of projects/donors) represent 38% of income collected. The association continues its efforts to improve its results.



In memory of our deeply regretted
Yves Magloire KENGNE

**Former Senior Sanitation Program
Coordinator of AfWA**





**Association Africaine de l'Eau (AAE)
African Water Association (AfWA)**

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