

10th Issue



ACWUA

الجمعية العربية لمرافق المياه
Arab Countries Water Utilities Association

GLOBAL CENTER OF EXCELLENCE

ACWUA Newsletter

December, 2018



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/ ACWUA

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Introduction

Welcome to our latest newsletter *_the tenth edition_* all of which we hope have helped to keep you updated on our latest news and provide you with vital information pertaining the water sector in the Arab countries.

Since its official launch in 2009 at Amman, Jordan; ACWUA has expanded its membership network to reach more than 100 utility members from 18 Arab countries, in addition to private sector companies, NGOs and academic institutions along with more than 190 individual members. Furthermore, ACWUA has also developed important partnerships with several international organizations and donors, introducing potential opportunities to its members.

In order to sustain knowledge sharing with our esteemed members and partners, we trust this newsletter *_the second in 2018_* be useful to you and your organization in comprehensively projecting the latest regional and international development in the water sector, and presenting ACWUA's activities including the preparation of the 5th Arab Water Week and Trenchless Arabia Conference and Exhibition, which will be held during 3–7 March, 2019 in the Dead Sea, Jordan.

Sincerely Yours,

Eng. Khaldon H. Khashman

ACWUA Policy

ACWUA, as a global center of excellence, will work in partnership with water and wastewater utilities in the Arab countries, on building capacities within the utilities, and on instituting best practices within a high quality level.

Quality is herein defined as conforming to the requirements and specifications in all matters of training, technical Support (projects management, research & studies) and events management in the field of water and wastewater. Thus ACWUA is committed to meet ISO9001:2015, ISO14001:2015, OHSAS 18001:2007 standards requirements. In addition to, environmental protection, preservation of injuries and other legal requirements.

We committed to achieve this through continual improvement by planning and implementing specified and measurable quality objectives and activities to achieve members and other interested parties' satisfaction.

We also recognize the importance of the entire company working within this policy and will ensure all aspects of this policy are communicated to our employee's on a regular basis and the measurable objectives are regularly communicated and updated.

Eng. Khaldon H. Khashman

ACWUA Secretary General



ACWUA Vision

ACWUA, as a global center of excellence, will work in partnership with water and wastewater utilities in the Arab countries, on building capacities within the utilities, and on instituting best practices, in order for the utilities to achieve their objectives.

ACWUA Mission

ACWUA provides its services to its members in the Arab region relying on its own resources and on the competencies inherent within the member utilities, with the objective of providing them with technical support to develop their performance in managing and producing and supplying water and wastewater services, taking into consideration their technical and professional needs—all this through:

1. Operating as a regional platform and expanding internationally, to exchange knowledge between members and experts in the water and wastewater sector.
2. Developing resources and implementing training programs and professional O&M licensing and accreditation programs to support the members in carrying out their missions and tasks in a professional reliable manner with the least costs possible.
3. Developing and applying specifications and standards in the areas of water governance, utilities management and O&M in water and wastewater utilities.
4. Responding to the technical needs of the members through providing advisory services in various aspects that are related to the operations of the utilities through developing a data bank for technical expertise available in the Arab region, and engaging working groups composed from those utilities for this purpose.
5. Developing and publishing documents, guides, reports and scientific content that is responsive to the needs of the members and sector experts, all the while considering the regional context and challenges that are faced by the utilities.

Fifth Arab Water Week 2019

"Towards Sustainable Development in Water and Sanitation"

3 - 7 March 2019

King Hussein Bin Tala Convention Centre
Dead Sea, Jordan



The Arab Water Week (AWW) is an international meeting in the Arab region which tackles water management issues through establishing innovative partnerships and platforms of collaborative work on water issues in the region. The importance of this meeting lies in providing a platform for greater coordination among the existing network of key stakeholders active in the water sector in the region.

The Arab Water Week (AWW) does not only provide an opportunity to enhance communication flows, synergies and the sharing of successful experiences, but as well, it will facilitate the creation of new partnerships that complement and maximize the impact of on-going work in this sector for the benefit of all countries in the region.

The Conference and Exhibition (3 - 5 March) will provide a broad technical presentations and a policy-based program, along with the specialized exhibition targeting water supply and wastewater vendor's and other service providers in the water sector.

Trenchless Arabia Conference and Exhibition In Conjunction with 5th Arab Water Week



Trenchless Arabia is an international conference and exhibition promoting condition assessment (cctv inspection and leak detection), ground penetrating radar (gpr), cured in place pipe (cipp) lining, close-fit sliplining, horizontal directional drilling (hdd), pipejacking, pipe bursting, auger boring, microtunnelling and several other trenchless techniques. Rehabilitation or new installation of underground utilities is possible with trenchless techniques which bring crucial advantages such as minimum surface excavation, less environmental damage, shorter construction period and less social cost.

ACWUA Training

ACWUA Training (Certified Programs)

1. Water Distribution Operator Level:

This program conducted in Jordan country from 13 to 20 Oct. 2018. This program delivered to 17 participants working in Miyahuna water Company –Zarqa and Madaba “ and “ WAJ – Balqa.



This Project Funded by:



ACWUA Training (Certified Programs)

2. Operator One – Wastewater treatment operator

This program conducted in Lebanon country from 15 Oct. to 6 Nov. 2018. This program delivered to 15 participants working in Lebanon Water Establishment



This Project Funded by:



ACWUA Training (Certified Programs)

3. Operator One – Wastewater treatment operator

This program conducted in Lebanon country from 18 Oct. to 7 Nov. 2018. This program delivered to 15 participants working in Lebanon Water Establishment



This Project Funded by:



ACWUA Training (Non-Certified Programs)

1. Accountability Systems

This program conducted in Jordan country from 24 to 30 Jul. 2018. This program delivered to 16 participants working in Miyahuna water Company –Zarqa and Madaba “ and “ WAJ – Balqa



This Project Funded by



OXFAM

ACWUA Training (Non-Certified Programs)

2. Accountability Systems

This program conducted in Jordan country from 4 to 9 Aug. 2018. This program delivered to 16 participants working in Miyahuna water Company –Zarqa and Madaba “ and “ WAJ – Balqa



This Project Funded by



OXFAM

ACWUA Training (Non-Certified Programs)

3. Accountability Systems

This program conducted in Jordan country from 11 to 16 Aug. 2018. This program delivered to 15 participants working in Miyahuna water Company –Zarqa and Madaba “ and “ WAJ – Balqa



This Project Funded by



ACWUA Training (Non-Certified Programs)

4. Water Quality Analysis

This program conducted in Jordan country from 15 to 20 Sep. 2018. This program delivered to 15 participants working in Miyahuna water Company –Zarqa and Madaba “ and “ WAJ – Balqa



This Project Funded by



ACWUA Training (Non-Certified Programs)

4. Water Quality Analysis

This program conducted in Jordan country from 22 to 27 Sep. 2018. This program delivered to 15 participants working in Miyahuna water Company –Zarqa and Madaba “ and “ WAJ – Balqa



This Project Funded by



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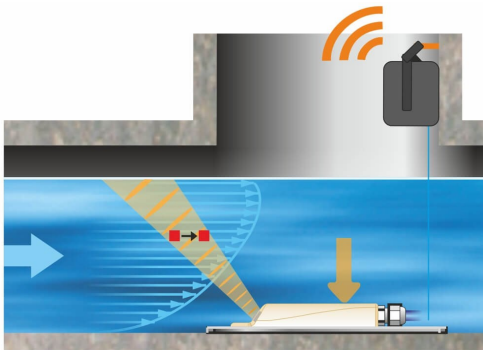


NIVUS GmbH - Germany

The mobile NivuFlow Mobile 750 flowmeter was specially developed for wastewater applications in part filled canals as well as in part filled and full pipes



Read [here](#) more about the long-term flow metering with integrated data transmission.



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Holding Company for Water and Wastewater - Egypt

Official Announcement for “lowering groundwater level in Aswan City Project” (LGWL) - phase (II)



Lowering Groundwater Level in Aswan City project - Phase (II) has been signed for conducting a series of applied scientific research project via a joint cooperation agreement with Academy of Scientific Research & Technology (ASRT) to confront chronic environmental crisis in Aswan communities, with strategic vision to develop Aswan urban communities through three phases of that funded project, which should be incorporated into the outcomes of this substantial implemented project with the national strategy of the different sectors as housing, health, agriculture, tourism and electricity sectors in Aswan governorate.

The First Phase (I) of this project signed its cooperation protocol in March 2016, and its objectives were successfully achieved from highly integrated parties, with strategic vision to develop Aswan urban community through three phases through dealing with outcomes from phase (1) that aimed to integrated study for assessing the extension and distribution of the problem for rising groundwater level in Aswan city, and impacts of the problem on socio-economic aspects and present the proposed solutions.

Dr. Salah Bayoumi, Principal Investigator and Vice President of Holding Company for Drinking Water and Wastewater (HCWW) and professor of environmental engineering, Zagazig University, has adopted this series of Research studies as his initiatives to confront chronic environmental crisis in Aswan societies, and as

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Euro-Mediterran-Arabischer Länderverein (EMA)

The EMA will organize the 3rd German-Arab Environment & Energy Forum from the 23 to the 26 of February 2019 in Jordan. The forum is jointly organized by the EMA and the Amman Chamber of Commerce and hosted by the Honorary President of the EMA, His Royal Highness Prince Hassan bin Talal of Jordan. The German delegation at this international forum will be led by H.E. Sigmar Gabriel, former Vice-Chancellor, Minister of Foreign Affairs, of Economy & Energy, and for the Environment of Germany.

The forum will bring together high-ranking representatives from European and Arab countries and will lead towards constructive cooperation for sustainable economic development in the Mediterranean and Middle East region. While addressing and encouraging new business opportunities in the fields of EcoMobility, Climate Change as well as the Energy, Water, and Circular Economy sectors, the event will focus on inspiring experiences and innovative know-how at expert level.

More information can be found on our website (in German/English and French)

<https://www.ema-germany.org/en/events/regional-forums/environment-forum/2019/>

A preliminary program is also online

<https://www.ema-germany.org/en/events/regional-forums/environment-forum/2019/program/>

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LET'S PUSH IT UP TO THE TOP FLOOR OF THE **LET'S**
BURJ KHALIFA. ANALYZE,
LET'S TURN UNLIVABLE LAND INTO **PURIFY AND**
ABUNDANT FARMLAND. REUSE
WASTEWATER.
LET'S UNITE FOR A COMMON PURPOSE:
INNOVATIVE SOLUTIONS TO
GLOBAL WATER CHALLENGES.



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IDA **WORLD CONGRESS**

2019

Dubai, October 20-24

CROSSROADS TO SUSTAINABILITY

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- **Experience.** Located in the epicenter of World Congress activities for easy access, the Exhibition features the world's leading companies and exciting innovators, showcasing their products and services and introducing new offerings before a global marketplace.
- **Connect.** The World Congress is filled with abundant opportunities for networking and forging valuable business-building relationships throughout the Congress week.

REGISTER NOW AND SAVE ... TAKE ADVANTAGE OF THE EARLY REGISTRATION DISCOUNT! IDA MEMBERS ALSO RECEIVE A GENEROUS MEMBER DISCOUNT (IF YOU'RE NOT A MEMBER, JOIN NOW AT WC.IDADESAL.ORG/JOIN-IDA/)

Calling all authors! There is still time to submit your abstract for consideration in the World Congress Technical Program. We have extended the deadline to January 30, 2019 and made submission easier through the new IDA World Congress website. Visit wc.idadesal.org/call-for-papers for more information.

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أكثر من مليون إنسان
في البقاع

نتج يومياً ١٨٦ ألف متراً مكعباً من المياه العذبة
نحصل عليها من ٤٢ نبعاً و ٢٣٠ بئراً نجمعها في ٢٤٢ خزاناً
ننقيها ونوزعها على ٨٦٠٠٠ مشترك عبر ٥٦٥ كلم من خطوط الدفع والجرّ .
نعالج مياه الصرف الصحي في ثمانى محطات .

المحافظة على مصادر المياه وشبكات التوزيع وتسديد البدلات والرسوم
مسؤولية مشتركة بين المؤسسة وكل البقاعيين

مؤسسة
مياه البقاع
BEKAA WATER
ESTABLISHMENT



مكاتب المؤسسة في خدمتكم
دائرة زحلة : ٨/٨٢٠٢٣٦
دائرة بعلبك : ٨/٣٧٠٣٣٥
دائرة البقاع الشمالي : ٨/٢٠١٠٩٠
دائرة البقاع الجنوبي : ٨/٦٦٣٤١٤

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German Water Partnership - Germany

Renewal of TSM-Arab Certificate for Zei Water Plant and Issuing TSM-Arab Certificate for Zara Maen Water Plant



Technical Sustainable Management TSM Arab is a Quality Management System that enables water and wastewater facilities to comply with national and international standards in the fields of Operation, Maintenance, Occupational Health and Safety, Quality Assurance and Human Resource.

In order to promote the implementation of TSM Arab among different ACWUA Utility members, the partnership project between ACWUA and German Water Partnership (GWP) supported the renewal of TSM-Arab certificate for Zei Water Plant and Issuing TSM-Arab Certificate for Zara Maen Water Plant. The activity took place in three different phases. The aim of the first phase was to update the first version of TSM Arab, develop a first TSM Arab RO version of water desalination plants (TSM Arab-RO). Phase two aimed to prepare the water plant to meet all the TSM Arab requirements and a final phase of inspection by a group of experts proved the fulfillment of the requirements of TSM Arab -RO. Zara Maen Desalination Water Plant is the first in the region to be certified TSM Arab RO.

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German Water Partnership - Germany

Information Workshop on ACWUA's Service and the Fifth Arab Water Week



On December 5th 2108, the partnership project between ACWUA and German Water Partnership (GWP) organized a joint workshop to provide information on ACWUA services and the upcoming fifth Arab Water Week conference and exhibition. More than 20 water related private companies and organizations including representatives of ACWUA water utilities members from Jordan, the Holding Company for Water and Water and Wastewater (HCWW) from Egypt, the North Lebanon Water Establishment (NLWE) from Lebanon and the

National Water Distribution Utility (SONEDE) participated in this event.

Dr. Azmi Ghneim welcomed the participants and pointed out the aim of the workshop and highlighted the importance of the variety of services provided by ACWUA to its members in addition to ACWUA's role in facilitating communication among different water stakeholders. Eng. Khaldon Khashman provided the participants with an extensive overview about ACWUA's history, goals, structure, achievements, future plans and the upcoming fifth Arab Water Week conference and exhibition.

During the workshop, representatives of ACWUA water utilities members appreciated the services provided by ACWUA as regional platform for exchanging knowledge on water issues in the Arab Countries and one of the leading training providers in the region. Representative of private companies pointed out their interest in the participation at the exhibition of the Arab Water Week.

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Special AquaShares opportunity @ Arab Water Week

Discover how to secure a reliable new source of clean water: *from customers*

Arab thirsty cities face an agonizing choice. To meet a 55% increase in demand for water by 2030, some depend on large infrastructure. Others may impose rations, rate hikes or restrictions. Each poses massive costs, risks, uncertainty & inequity.

Happily, a safe new path to urban water security has emerged. Your city can now generate more potable water by offering families or firms cash, to seek, find capture 'new' water – already circulating within the existing system.

Through targeted engagement with metered accounts, AquaShares lets you 'buy back' water from clients that had been lost or leaked. **'Crowd-source' water you need, when you need it, with a responsive voluntary price that you control.** The result? Loyal customers, high earnings, zero impacts, low risk, deep resilience.



"For Marrakesh, AquaShares offers an elegant and equitable solution to urban water stress and scarcity."

– Yasser Biaz,
King Mohammed VI
Polytechnic University



THE ONLINE PLATFORM THAT TURNS CONSUMERS INTO PRODUCERS

AquaShares.com has developed an online platform to help utilities unlock an untapped alternative water supply source: end user efficiency. We empower 'consumers' to become 'producers' who own and trade water they save! **"It's like Uber or Airbnb...for water."**

AquaShares creates an urban 'sharing economy' that allows consumers to earn and own water credits based on savings below past consumption levels. Utilities can then encourage, track and recover this affordable new 'reservoir' from its own customer base using existing infrastructure.



ACWA
Association of California Water Agencies
Bringing Water Together

"A unique solution to the challenge of 'drought fatigue.'"

- Build community **trust** in utility goals through our transparent **market design** process.
- Define **equitable** shares of metered water-saving credits through our proven **allocation** system.
- Create voluntary market **incentives** to align private interest with public targets to **replenish**.

- Earn AquaCredits When You Save
- Discover Best Ways to Save Water
- Compare Your Savings to Others Like You
- Value Your Credits: Own, Sell, or Donate

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Hydraulics Research Center
مركز البحوث الهيدروليكية

Hydraulics Research Center

HRC



Background

The Hydraulics Research Center is the main research center in the field of water in Sudan. It was established during 1976 – 1986 through UNDP/and Sudan government support to solve problems related to the development, implementation, and management of water resources projects in Sudan. It is located in Wad Medani, Gezira State. The HRC-Sudan has gained a good reputation through its achievements and successes in conducting many research and technical studies related to water sector, as well as training programs.

Mission

The mission of HRC-Sudan is “to support decision making of water resources management in Sudan through solution-oriented research, and capacity building

Contact information :

Hydraulics Research Center, HRC-Sudan
P.O. Box 318, Wad Medani, Sudan , www.hrc-sudan.sd
Tel: +249 511 843220-843221 Fax: +249511859700
E-mail: info@hrc-sudan.sd.

Objectives:

To conduct *applied* research to solve water related problems and provide scientific advice for developing, implementing ,and managing water resources in Sudan, including: Irrigation, Hydrology, Hydropower, River transport, River Training, Flood Management, Water Quality, etc..

The HRC-Sudan, is one department of the Ministry of Water Resources, Irrigation & Electricity.



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Hydraulics Research Center
مركز البحوث الهيدروليكية

Hydraulics Research Center



HRC

Research Directorates



General Directorate of Hydrology & water resources



General Directorate of River engineering and Dams



General Directorate of Laboratories and testing



General Directorate of Water management



General Directorate of financial and human resources

Research Partnership

Since its establishment HRC has established partnerships with national and international research institutions in the same areas of interest. These, includes water research centers and universities and international organization



Capacity building and Training

One of the mandates of the HRC-Sudan is to conduct training and capacity building programs in the filed of water resources and its uses. Many national, regional and international courses have been successfully completed.

Recently, HRC-Sudan has joined the Sudan Academy of Science, which allows the center to give joint MSc and PhD degrees (by research).

Research facilities

The center is equipped with state-of-the art facilities for field measurements, lab work, and data analysis and modeling, including: Physical model Hall; mathematical modelling tools, GIS software's, databank, electronic library.

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OPEN: 2019 PHOTO COMPETITION

THROUGH THE GENDER LENS: ACTION,
PARTICIPATION, AND THE FIGHT AGAINST
CORRUPTION IN WATER

WIN Water
Integrity
Network
Fighting corruption in water worldwide

DEADLINE: Sunday 17 February 2019
INFORMATION: www.waterintegritynetwork.net

Simone Klawitter/WIN photo competition

Members and Partners Advertisements

Global Network of Isotopes in Precipitation (GNIP) within the IAEA

Eng. Mohammad Radwan Almomani

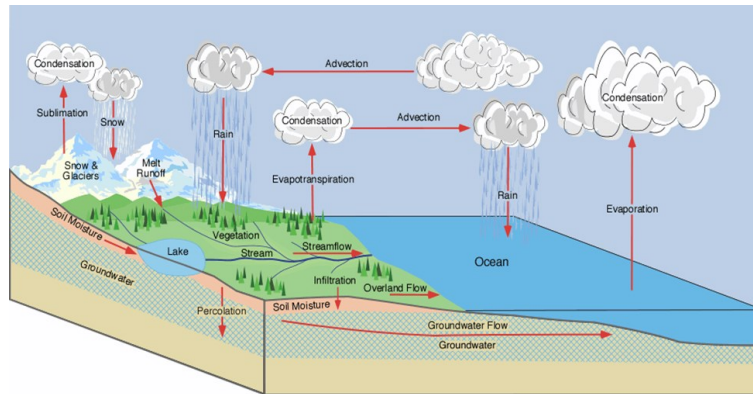
Amman, Jordan

The International Atomic Energy Agency (IAEA) and cooperative involved organizations, also with involvement of other regional laboratories globally, as the regional Isotope laboratory in the Water Authority of Jordan (WAJ) played an important role in Nuclear Isotope Hydrology of peaceful Application.

Isotope hydrology is a nuclear technique that uses both stable and radioactive environmental isotopes to trace the movements of water in the hydrological cycle. Isotopes are atoms of the same element that are chemically identical, but physically different.

Common isotopes integrated within the GNIP network are stable isotopes of deuterium (^2H), oxygen-18 (^{18}O) and radioactive isotopes of Tritium (^3H).

Hydrological Cycle: Isotopes in a Hydrologic Cycle.



Origin of precipitation and Rainfall:

Global Network of Isotopes in Precipitation (GNIP):

The International Atomic Energy Agency (IAEA's) Water Resources Program and the World Meteorological Organization (WMO) have been surveying the stable hydrogen and oxygen isotope and tritium composition in precipitation around the globe since 1961.

Isotopic data collected as part of the GNIP network serves as an indispensable database to inform a range of scientific disciplines, including, but not limited to hydrology, meteorology and climatology, oceanography and limnology, and in studies related to the Earth's water cycle and climate. Recently, GNIP has played an important new role in facilitating novel isotope research in ecological investigations, food authentication and traceability, and forensics.

ACWUA Projects

New ACWUA Projects

Water Trucking Impact and Transboundary Water Resources Management

*This Project applying on the
Yemen and Syria Countries*

This Project Funded by:



Latest News for ACWUA Projects\

- Under the project Non-Revenue Water (NRW) reduction plan, knowledge sharing workshop and water utility management training in Jordan (funded by USAID), ACWUA and Water Management Initiative (WMI) project conducted workshop during 3th-4th Dec 2018 under the title of Non-Revenue Water (NRW) Reduction Master Plan Knowledge Sharing Workshop.



Workshop's overall objective was to present the Non-Revenue Water (NRW) reduction plan for Jordanian utilities and exchange the local and regional experiences in management NRW on regional and international levels.

Latest News for ACWUA Projects



The participants in the workshop where utilities, NGOs and donors in region (Water Authority of Jordan, Ministry of water and irrigation, Balqa Water Governorate, Tafelah Water Governorate, Karak Water Governorate, Ma'an Water Governorate, Zarqa Water, Aqaba Water Company, Miyahuna, Yarmouk Water Company, Madaba Water, Holding Company for Water and Wastewater in Egypt, North Lebanon Water Establishment in Lebanon, Establishment of The Water of Beirut and Mount Lebanon, Bkaa Water Establishment in Lebanon, South Lebanon Water Establishment in Lebanon, SONEDE in Tunisia, USAID, GIZ, Engicon, KFW, AFD, GWP, GVC, GOPA ME and ABA).

For more information about this workshop please visit this link:

[Click here](#)

Latest News for ACWUA Projects

- **Renewed TSM Arab re-certified water treatment plant ZAI-Jordan operated by Miyahuna in September 2018.**



- **TSM Arab certified for Desalination water treatment plant Zara Ma'in - Jordan operated by Miyahuna in December 2018.**



A decorative background at the bottom of the page featuring a dynamic splash of clear water with ripples and droplets, set against a light blue gradient.

ACWUA's Participation in Regional and International Events

ACWUA's Participation in Regional and International Events

- **“WASH MEER: SUSTAINABLE WASH MODEL AND LEADERSHIP WORKSHOP”** organized by the World Vision in BEIRUT, Lebanon during 20th -22nd June 2018.
- **“2018 SDC Middle East Region Wash Workshop”** organized by the Swiss Agency for Development and Cooperation (SDC) in Bekaa, Lebanon during 1st – 5th July 2018.
- **“Integrated Monitoring Initiative SAG meeting”** organized by the Strategic Advisory Group of the UN-Water Integrated Monitoring Initiative on 26th August 2018 in Stockholm, on the margins of Stockholm World Water Week.
- **“The 6th ESCWA Technology Center’s Technical Committee Meeting”** organized by the ESCWA Technology Center’s Technical Committee in Amman, Jordan during 2nd -3rd October 2018.
- **“WATERIST - Istanbul Water Congress and Fair”** organized by Istanbul Water and Sewerage Administration (ISKI) in Istanbul, Turkey during 11th – 13th October 2018.
- **“First International Cairo Water Week”** organized by Egypt’s Ministry of Water Resources and Irrigation in Cairo, Egypt during 14th -18th October 2018.
- **“Solar Energy Solutions for Electricity and Water Supply in Rural Areas Conference”** organized by The American University in Cairo (AUC) in Cairo, Egypt during 7th – 10th November 2018.
- **“Workshop on Addressing Urban WASH Crises in Middle East: MENA Regional Interagency WASH Forum”** organized by OXFAM, UNICEF and World Vision in Amman, Jordan during 21st – 22nd November 2018.
- **“Water scarcity and governance in Jordan and Spain”** organized by Casa Árabe in Madrid, Spain on 26th November 2018.

Utility and NGO's Members



Holding Company for Water & Waste Water



Greater Cairo Water Company



Assiut Water and Wastewater Company



Alexandria Water Company



Menya Water and Sanitation Company



Fayoum Drinking Water and Sanitation Company



Giza Drinking Water & Wastewater Company



Dakahlia Potable Water and Sanitary Drainage Company



Cairo Water Company



Luxor Water & Wastewater Company



Greater Cairo Sanitary Drainage Company



Beheira Water & Wastewater Company



Sharkia Water & Wastewater Company



Red Sea Water and Wastewater Company



Qena Water & Wastewater Company



Gharbia Water and Sanitation Company



Damietta Water & Wastewater Company



Alexandria Sanitary Drainage Company



Aswan Water & Wastewater Company



Matrouh Water & Wastewater Company



North and South Sinai Company for Water and Wastewater



Sohag Water and Wastewater Company



Benisuef Water and Sanitation Company



Menoufia Company for Water and Wastewater



Kafr ElShikh for Water & Wastewater Company



Anabta Municipality



Coastal Municipalities
Water Utility –CMWU



Hebron Municipality



Jericho Municipality



Joint Service Council
for Water - Jenin



Nablus Municipality



Palestinian Water
Authority (PWA)



Sier Municipality



Water Supply and Sewerage
Authority Bethlehem



Water and Electricity Au-
thority, Abu Dhabi



Abu Dhabi Distribution
Company



Abu Dhabi Sewerage
Services



Abu Dhabi Transmission
and Despatch



شركة العين للتوزيع
Al Ain Distribution Company

الهيئة الاتحادية للكهرباء والماء
Federal Electricity & Water Authority



[Federal Authority for Water
and Electricity / UAE](#)



هيئة كهرباء ومياه الشارقة
Sharjah Electricity & Water Authority

Water and Electricity
Authority Sharjah

هيئة كهرباء ومياه دبي
Dubai Electricity & Water Authority



Water and Electricity
Authority, Dubai



Centre National Des Re-
sources en Eau (S.N.D.E) -
Mauritania



وزارة الأشغال العامة
MINISTRY OF PUBLIC WORKS

Ministry of Public Works

Libya

General Company for Water and
Wastewater - Libya



Egyptian Water and Wastewater Regula-
tory Agency (EWRA)



Office National de l'Assainisse-
ment - Algeria



Algerienne des Eaux - ADE
Algeria



Ministère Délégué auprès du Ministère
de l'Énergie, des Mines de l'Eau
et de l'Environnement Chargé de l'Eau

Ministère Délégué Charge de
l'Eau



Ministry of Municipalities and Public Works (MMPW) - Iraq



Lebanon Eco Movement

المكتب الوطني للكهرباء و الماء الصالح للشرب

Office National de l'Electricité et de l'Eau Potable

ONEE- Morocco



SONEDE – Tunisia



الديوان الوطني للتطهير
OFFICE NATIONAL DE L'ASSAINISSEMENT

ONAS - Tunisia



مؤسسة مياه بيروت وجبل لبنان
Establishment of The Water of Beirut & Mount Lebanon

Beirut & Mount Lebanon Water Establishment



North Lebanon Water Establishment

North Lebanon Water Es-



مؤسسة مياه البقاع
Bekaa Water Establishment

Bekaa Water Establishment



مؤسسة مياه لبنان الجنوبي
SLWE

South Lebanon Water Establishment



Ministry of Works - Bahrain



Aqaba Water Company – AWC



Jordan Water Company, Miyahuna LLC.

Hashemite Kingdom of Jordan



Ministry of Water and Irrigation MWI

Hashemite Kingdom of Jordan



Jordan Valley Authority



Sanaa Water and Sanitation Local Corporation SWS



Yarmouk Water Company

Yemen

Hodeidah Water and Sanitation Local Corporation

Hashemite Kingdom of Jordan



Water Authority of Jordan

Yemen

Al Baydha Water and Sanitation Local Corporation

Yemen

Local Water and Sanitation Corporation Al Mokha

Yemen

Hajjah Water Supply & Sanitation Local Corporation



Local Water and Sanitation Corporation Amran

Yemen

As-shihr Water Utility

Yemen

Al Mahweet Water Supply and

Yemen

Local Water and Sanitation Corporation Aden

Yemen

Water Supply & Sanitation Local Corporation Dhamar

Yemen

General Administration of Water and Sanitation and the Ministry of Environment

Yemen

Sadah Water Supply and Sanitation Local Corporation

Yemen

Bajil Water and Sanitation LLC

Yemen

Abyan Local Corporation

Yemen

Bait Al-faqih Water and Sanitation Local Corporation

Yemen

Seiyun Local Corporation

Yemen

Ibb Water and Sanitation
Local corporation



University of Sana'a



National Water and Sanitation Authority



Local Water and Sanitation Corporation Ta'az

Yemen

Central Authority for Rural areas - Yemen

Yemen

Zabid Water and Sanitation Local Corporation - Yemen



Galmudug Foundation
For Water
Development
(Gfwd)



مجلس تنظيم قطاع المياه
WATER SECTOR REGULATORY COUNCIL

Private Sector Members



Xylem Water Solutions



Public Authority for Electricity and Water – Oman



Emirates Sembcorp Water and Power Company - UAE



World Engineering and Technology



S.W.M
Smart Water Metering - Canada



Nivus GmbH - German



Salalah Sanitary Drainage Services Company – Oman



Maalouf Trading & Contracting s.a.l



Wilco SE International Cooperation – German



Chemonics International, Inc – USA



RUQN AL HANDASA CONSULTING ENGINEERS



Khost Aqua Consult

DISI

DAOM - Disi Amman
Operation and Maintenance



Water Management
and Irrigation Institute -
Sri Lanka



Arabtech Jardaneh Water
and Environment



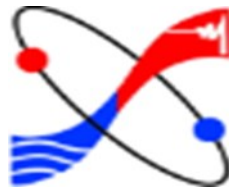
Madinaty Electromechanic Power
Company



Itron Dubai



RadiuSenaat Piping and
Fittings LLC- USA



RSA Electronics – Canada



Smart Water
Metering - Canada



Reetaj Technology &
Technical Services RTTS



Allied Law & Arbitration



Joint Efforts Group
- AL JHOOD