



Fourth Arab Water Week

Conference & Exhibition Report

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Executive Summary

Introduction

Water is increasingly becoming a binding constraint on Arab development. According to the Arab Development Challenges Reports by UNDP; available renewable fresh water resources per capita in the Arab world are among the lowest worldwide. Threatening levels of water stress exist in the Occupied Palestinian Territories and Yemen, while significant stress exists in Jordan and Saudi Arabia. And since it is not yet possible to measure water quality globally, dimensions of safety, reliability and sustainability are not reflected in the proxy indicator used to track progress towards the MDG target. Continued efforts are required to promote global monitoring of drinking water safety, reliability and sustainability and to move beyond the MDG water target to universal coverage. Here comes the role of ACWUA, ACWUA as a global center of excellence has served as a regional platform for international exchange of knowledge to provide best practices and capacity building to staff utility members, experts and professionals.

ACWUA is the strategic partner of international conferences and trade fairs, collaborating with the international water organizations and water centers around the world to implement different projects that serve the water sector in the Arab countries. Moreover, the Arab Ministerial Water Council / League of Arab States recognize ACWUA's activities. Under the umbrella of the League of Arab States (LAS) and in partnership with the Arab Ministerial Water Council (AMWC) and the Jordanian Ministry of Water and Irrigation (MWI), the *Arab Countries Water Utilities Association (ACWUA)* is organizing the *4th Arab Water Week* in March 2017.

About the Arab Water Week

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 Arab Water Week is a high-profile international and regional event promoted to attract decision makers, water management practitioners, and professional organizations internationally and in the MENA region. It was firstly launched in Amman, Jordan in December 2010, and organized by the Arab Countries Water Utilities Association (ACWUA) in partnership with the Arab Ministerial Water Council (AMWC) and the Jordanian Ministry of Water and Irrigation (MWI).

Participations and attendees

ACWUA welcomed more than 500 participants and delegations at the fourth **Arab Water Week** in Dead Sea Area. Many of them was from ACWUA membership comprising of more than 500 individual members, and more

than 106 water and wastewater utilities from 18 Arab Countries; Algeria, Bahrain, Egypt, Iraq, Jordan, Kuwait, Lebanon, Libya, Mauritania, Morocco, Oman, Palestine, Saudi Arabia, Sudan, Syria, Tunisia, United Arab Emirates and Yemen. In addition to the delegates from South Korea, Germany, Poland, United States and Turkey.

Developing new partnerships and signing agreements

The AWW is considered an excellent experience for ACWUA to sign the agreements and building new partnerships with the international organizations, as below:

1. Arab Countries Water Utilities Association, (ACWUA) & German Water Partnership(GWP) signed agreement where ACWUA is to enhance policy debate and coordination in the water supply and sanitation sector in the Arab countries, and where GWP is supporting the development of systematic approaches to provide customers with individual information and support communication and initiation of business with its members and partners, have agreed to strengthen ACWUA efforts and collaborate in the three core fields.
2. Arab Countries Water Utilities Association (ACWUA) & Water, Energy and Environment Center (WEEC) prepare agreement to establish the rules of the cooperation between the two parties in water and sanitation sector services, and the need of both parties to strengthen the cooperation and coordination between them to service sector.

3. Arab Countries Water Utilities Association (ACWUA) & Arab Union of Electricity (AUE) finalized agreement to establish the rules of cooperation in water and energy, and the desire of both sides to strengthen the cooperation and coordination between the two service sectors.

4. Arab Countries Water Utilities Association (ACWUA) & IHE(UNESCO) ACWUA is preparing a MoU with UNESCO-IHE Institute for Water Education which it is the largest international graduate water education facility in the world and is based in Delft, the Netherlands. The Institute confers fully accredited MSc degrees, and PhD degrees in collaboration with partners. Over 14,500 water professionals from more than 160 mainly developing countries and countries in transition were educated at the Institute. The main purpose of this MoU is strengthening the regional presence and international cooperation and Enlarging of ACWUA's service portfolio. The MoU will also clarify the aspects of cooperation in upcoming event the 4th Arab Water Week (session, booth, training Course....).

5. Arab Countries Water Utilities Association (ACWUA) & the Korean Water Forum (KWF) the purpose is to establish a mutual partnering framework governing collaborative activities between KWF and ACWUA to meet the following authorized and organizationally related goals.

6. Arab Countries Water Utilities Association (ACWUA) & UNESCO the purpose of the contract is to support ACWUA of the 4th Arab Water Week conference and the participation of speaker in the conference with emphasis on groundwater resources in the Arab Region

Elections and the new Board of Directors for the years 2017-2019

The members of the Board of Directors of ACWUA were elected as part of the Arab Water Week Conference and Exhibition activities, which ends every two years. The following members were elected representatives of each country:

- Dr. Eng. Khair Al Hadidi - Jordan representative of Water and Wastewater utilities.
- Dr. Eng. Ibrahim Khalid – Egypt representative of Water and Wastewater utilities.
- Eng. Jamal Krayem – Lebanon representative of Water and Wastewater utilities.
- Eng. Imad Masri – Palestine representative of Water and Wastewater utilities.
- Dr. Eng. Kassim Al Jabiri – Oman representative of Water and Wastewater utilities.
- Eng. Tawfeeq Al Sharjabi – Yemen representative of Water and Wastewater utilities.
- Eng. Mahmoud Doro – Libya representative of Water and Wastewater utilities.
- Researcher Murtadha Gomaa – Iraq representative of Water and Wastewater utilities.
- Ms. Khaoula Chaabani – Tunis representative of Water and Wastewater utilities.

- Adel Al Saffar – Kuwait representative of Water and Wastewater utilities.
- H.E. Dr. Abdelkawi Khalifa – Individuals representative on ACWUA
- Eng. Jihad Abu Jamous – Private Sector representative on ACWUA
- Dr. Roula Majdalani - International organizations and academic and research centers representative
- Eng. Mohammad Al Hmaidid – Regulatory Water and Wastewater utilities representative.

Lebanon representative of Water and Wastewater utilities was elected to be Chairman of the Board of Directors for the years 2017-2019.

AWW Trade fair

More than **24 exhibitors** shows their state-of-the-art technology to **more than 500 participants** came from the region and the World. ***The 4th Arab Water Week*** is distinguished for hosting the water experts and professionals from diverse countries and organizations by providing special sessions and having joint booths/stands (in the exhibition area) for the different partners, as the following

- IFAT-GWP
- p2m Berlin
- Ekoton
- Duktus Pipe Systems
- Wilo SE International Cooperation

- Yarmouk Water Company
- AKATED TSITT
- Nivus GmbH
- SuSanA
- Action Against Hunger
- National Chlorine Industries Company
- NAWCO/ ATB
- Aqaba Water Company
- Khost Aqua Consult
- Joint Efforts Group for Training and Consulting/ Aljhood
- Korean Pavillion
- Korean Pavillion
- Chemonics International
- Industrius D.O.O.
- KSB and Leading
- Jordan Water Company – Miyahuna
- Reetaj Technology & Technical Services
- Aflowt
- Itron



Conference Venue

The 4th Arab Water Week took place in the Kempinski Hotel Ishtar, Dead Sea, Jordan.

This stunning conference center is uniquely located at the lowest point on earth on the shores of the Dead Sea in Jordan. The Kempinski Hotel Ishtar is situated among famous attractions such as Mount Nebo, the Baptism site, Madaba and the Mujib Nature Reserve

Sessions:

Over 36 Special sessions and activities were organized in collaboration and support with:

- The Arab Ministerial Water Council/League of Arab States
- Ministry of Water & Irrigation
- USAID
- German Water Partnership
- GIZ: German International Cooperation
- IFAT trade fair for water and environment www.ifat.de
- WASSER BERLIN INTERNATIONAL
- Swedish International Development Agency (Sida)
- SIWI: Swedish International Water Institute
- UNESCO
- MENA NWC: Middle East Network of Water Centers of Excellence.
- The European Bank for Reconstruction & Development (EBRD).
- The International Water Association (IWA).

- The African Water Association (AfWA).
- The Economic and Social Commission for Western Asia (UN-ESCWA).
- Community based organizations like: the Omani Water Society, Water Sciences & Technology Association (WSTA, Bahrain), and Union Council for (Union of Water Service Providers, Palestine).
- IWRM Master of Science program implemented by Cologne University of Applied Sciences and University of Jordan.

View all the sessions content on the link:

<https://aww.acwua.org/AWW/Presentations/2017>

Presentations & Media

Due to the large size of the files, all the videos were broadcasted on the ACWUA channel on YouTube under the title of: the fourth Arab Water Week

Videos on You Tube:

<https://www.youtube.com/playlist?list=PLt5rWfJIVL8CFzKxmWZUViNxC49TxDwsK>

Presentations:

<https://aww.acwua.org/AWW/Presentations/2017>

Photographs on our Facebook page:

<https://www.facebook.com/acwua/>

Recommendations

Women Empowerment Session recommendations

- Emphasis women role in administration of higher level management
- Creating an appropriate environment for women empowerment
- Confirm the necessity for legal legislation that hinders women's access to leadership
- Assessing the level of gender in Arab water utilities

Water energy and food nexus Session recommendations

- The inevitability of nexus between water, energy and food
- The need for strategic planning in the field of investment in water and energy
- Urging scientific, research, academic and community institutions to develop studies about nexus concept
- Develop training programs in the field of renewable energy

Final recommendations

- The need to secure the necessary of funding to follow up the achievement of sustainable development goals for water facilities in the Arab region
- Work on the implementation of the University's decision to communicate and continuous support among the national teams to achieve the sixth goal Sustainable development through the provision of training for water facilities in the Arab region.

- Implement Algeria declaration (ACWUA 6th Best Practice conference) for unifying of operational and maintenance in the Arab region and developing asset management strategy.
- -Develop a software for the NRW diagnosis tool to be smart.
- -Develop the energy efficiency reader and guidelines by applying soft systems.
- -Implement TSM (Total Safety Management)
- -Develop and work on implementing the water safety plan
- - Develop training programs and work in Sanitation Safety Plan
- -Develop training programs in renewable energy, water and energy nexus, etc..
- -Expand the consultation and studies service for the members.
- -The need for integrated water, food and energy management
- -More the implementation of EE projects after successful pilot projects
- -Applying integrated management for water, energy and food in Arab region
- -Develop and work a comprehensive plan for all Risk management in the Arab region for the water sector
- - Develop and update concept Master plumber
- - Work on qualifying graduate students to work in the market by linking theoretical and practical studies.

Annexes

*Annex 1: Participant List

Full Name	Organization	Country
Hazim El Naser	Ministry of Water and Irrigation	Jordan
Khaldon Khashman	ACWUA	Jordan
Ahmad Azzam	ACWUA	Jordan
Dana Daqqaq	ACWUA	Jordan
Abbas Hiarie	ACWUA	Jordan
Sarah Abu Salim	ACWUA	Jordan
Osama Al Kofahi	Tira for IT	Jordan
Jomaa Bin Jarsh	Abu Dhabi Water & Electricity Authority	UAE
Hazem Kittani	Palestinian Water Authority	Palestine
Lina Sheqem	Cowater International	Jordan
Anna Goelnitz	GIZ jordan	Jordan
Christine von Lonski	GWP	Germany
Abdullah Murrar	Water Sector Regulatory Council	Palestine
Mohammad Said Hmaid	Water Sector Regulatory Council	Palestine
Bilal Dhaiat	Water Authority of Jordan	Jordan
Ahmad Elimat	Water Authority of Jordan	Jordan
Mohammad Sallam	Water Authority of Jordan	Jordan
Ibrahim Obadah	Water Authority of Jordan	Jordan
Iyad Hamdy	Water Authority of Jordan	Jordan
Salem Shloul	Yarmouk Water Company	Jordan
Montaser Al Moumani	Yarmouk Water Company	Jordan

Ali Abu Sumaqa	Yarmouk Water Company	Jordan
Ashraf Bataineh	Yarmouk Water Company	Jordan
Sufyan Bataineh	Water Authority of Jordan	Jordan
Ahmad Abu Shaikhah	Yarmouk Water Company	Jordan
Randa Shaker Tuffaha	Water Authority of Jordan	Jordan
Mahmoud AlZoubi	Yarmouk Water Company	Jordan
Jihad AlZoubi	Yarmouk Water Company	Jordan
Malek Rawashedeh	WAJ	Jordan
Mutaz Obaidat	Yarmouk Water Company	Jordan
Waleed Alsokar	Water Authority of Jordan	Jordan
Mohammed Al-Waqfi	PMU/Ministry of water and irrigation	Jordan
Rajaa Abu Dayyeh	Water Authority of Jordan	Jordan
Yasmeen Khashman	ACWUA	Jordan
Anas Atyat	ACWUA	Jordan
Ismail Al Baz	GIZ Jordan	Jordan
Jens Goetzenberger	GIZ Jordan	Jordan
Maha Halalsheh	GIZ Jordan	Jordan
Bjoern Zimprich	GIZ Jordan	Jordan
Peer Gatter	GIZ Jordan	Jordan
Asem Bataineh		Jordan
Dalal Eliwah	Yarmouk Water Company	Jordan
Dirk Winkler		Jordan
Hind Shdaifat		Jordan
Nader Daher	GIZ jordan	Jordan

Ayman Aburowaa		Jordan
Leon Koevener		Jordan
Susanne Bieker	GIZ jordan	Jordan
Ma'moun Al Kharabsheh	Jordan Valley Authority	Jordan
Fadi Abu sahyoun	Jordan Valley Authority	Jordan
Majed Khraisat	Jordan Valley Authority	Jordan
Mohammad Al Atrash	Ministry of Water and Irrigation	Jordan
Atef Alzubi	Ministry of Water and Irrigation	Jordan
Jihad Mahameed	Ministry of Water and Irrigation	Jordan
Awni Kloob	Ministry of Water and Irrigation	Jordan
Safaa Gharaibeh	Ministry of Water and Irrigation	Jordan
Mohammad Dwairy	Ministry of Water and Irrigation	Jordan
Dhafi Breizat	Ministry of Water and Irrigation	Jordan
Mohammad Awamleh	Miyahuna	Jordan
Mohammed Kharabsheh	Miyahuna	Jordan
Mohammad Ouran	Miyahuna	Jordan
Wala Banimustafa	Miyahuna	Jordan
Abdullah Aljarrah	Miyahuna	Jordan
Dana Manaseer	Miyahuna	Jordan
Malak Al-Ma'aita	Miyahuna	Jordan
Orwa Al-Falayleh	Miyahuna	Jordan
Hassan Malkwai	Miyahuna	Jordan
Mohammad Alshafey	Aqaba Water Company	Jordan
Ahmed Abu Al-Soud	Aqaba Water Company	Jordan
Yasser Alhanaqta	Aqaba Water Company	Jordan

Alaa Addin Eid	Aqaba Water Company	Jordan
Mohammad Mahameed	Aqaba Water Company	Jordan
Esmaeil Ibrahim	GIZ-Jordan	Jordan
Yousr Salah El Dien	Alexandria Water Company	Egypt
Ahmed Mochtar Abdallah	Dakahlia Water and Wastewater Company	Egypt
Farouk Ahmed Fathy	Qualubya Water and Wastewater Company	Egypt
Abeer Abdel Moez	Cairo Water Company	Egypt
Iman Raafat ElSayed	Holding Company for Water and Wastewater	Egypt
Maha Salah Khallaf	GIZ - Egypt	Egypt
Hashem Nour	Anabta municipality	Palestine
Ramzi Jafar	Jenin Municipality	Palestine
Ahmad Qasiah	Dahrieh Municipality	Palestine
Eissa Dababat	Joint Service Council - tubas	Palestine
Jobra'el Abu 'Iram	Yatta Municipality	Palestine
Sameer Abu Al Saud	Water Sector Regulatory Council (WSRC)	Palestine
Liesa Sauerhammer	GIZ Water Programme	Palestine
Yahya Saleh	Joint Services Council for Tulkarm wastewater project	Palestine
Najwan Imseih	GIZ Water Programme	Palestine
Qasem Saleh	GIZ Water Programme	Palestine
Merna Dibbiny	GIZ Water Programme	Palestine

Taha Al Hendi	Water Supply & Sanitation Local Corporation Dhamar	Yemen
Amer Al Ameri	Seiyun Local Corporation	Yemen
Jamal Mohsen Ali	Ministry of Water Resources	Iraq
Mona Fakih	Ministry of Energy and Water	Lebanon
Mohammed Abdallah Ali	Ministry of Hydraulics and Sanitation	Mauritania
Deeb Abdelghafour	Palestinian Water Authority	Palestine
AbuObeida Hassan	Ministry of Water Resources and Electricity	Sudan
Mohamed Ayadi	Ministry of Agriculture, Water Resources and Fisheries	Tunisia
Taofeg Al-Sharjabi	Ministry of Water and Environment	Yemen
Roula Majdalani	UN-ESCWA	Lebanon
Carol Chouchani Cherfane	UN-ESCWA	Lebanon
Mohamad Wahba		Egypt
Maha Al-Mansouri	Ministry of Electricity and Water	Kuwait
Wa'ed Jafreh	ACWUA	Jordan
Abdallah Almanaseer	ACWUA	Jordan
Lena Gumor	ACWUA	Jordan
Tha'er Almarmouri	ACWUA	Jordan
Sarah Awamleh	ACWUA	Jordan
Bashar Balbesi	ACWUA	Jordan
Emad Al Faouri	ACWUA	Jordan

Ahmad Shehadeh	ACWUA	Jordan
Tineke Hooijmans	UNESCO-IHE	Netherlands
Gonzalo Espinoza	UNESCO-IHE	Netherlands
Poolad Karimi	UNESCO-IHE	Netherlands
Muna Gharaibeh	Ministry of Water and Irrigation \\ UNESCO-IHE	Jordan
Tessa Terpstra	Ministry of Foreign Affairs of the Netherlands	Jordan
Ben Sonneveld	Vrije Universiteit	Netherlands
Lia van Wesenbeeck	Amsterdam Centre for World Food Studies (project with SIDA)	Netherlands
Anders Jagerskog	World Bank Group	USA
Ghazi Abu Rumman	MENA NWC / World Bank	Jordan
Dambudzo Muzenda	World Bank	USA
Maysoon Zoubi	Higher Population Council	Jordan
Mohammed Abidallah	SIDA	Jordan
Yosra Albakkar	SIDA	Jordan
Anja Taarup Nordlund	NCG Sweden (on behalf of Sida)	Sweden
Ulrika Åkesson	Embassay of Sweden, Amman	Jordan
Ida Wilhelmson	Swedish International Development Cooperation Agency (Sida)	Sweden
Pasquale Steduto		
Chul Ki Kim	Ministry of Land, Infrastructure and Transport	Republic of Korea

Kangmin Lee	Ministry of Land, Infrastructure and Transport	Republic of Korea
Dong-seok Min	Ministry of Foreign Affairs	Republic of Korea
Jung-hyun Ma	Korea Water Forum	Republic of Korea
Su-yeon Lim	Korea Water Forum	Republic of Korea
Seung-hyun Kim	Global MVP	Republic of Korea
Min-ho Lee	ISAN CORPORATION	Republic of Korea
Seungkwan Hong	Korea University	Republic of Korea
Jinsik Sohn	Kookmin University	Republic of Korea
Sangho Lee	Kookmin University	Republic of Korea
Mofied Allozi	Water Authority of Jordan	Jordan
Jong-Woo Nam	DAELIM	Republic of Korea
Young-Jin Hwang	K-water	Republic of Korea
Yong Gyun Park	GS E&C	Republic of Korea
Hyo Sun Lim	DAEWOO E&C	Republic of Korea
Sun Min Roh	K-water	Republic of Korea
Youn Jong Park	SK E&C	Republic of Korea
Won Kang	Doosan Heavy Industries & Construction	Republic of Korea
Duyoung Kim	SK Engineering & Construction Co., Ltd.	Republic of Korea
Kyung Hyuk Lee	K-water	Republic of Korea
Chang Hyun Jo	K-water	Republic of Korea
Jin Hun Kim	K-water	Republic of Korea
Bum-yeon Lee	Embassy of the Republic of Korea	Republic of Korea

GIL JAE YI	Embassy of the Republic of Korea	Republic of Korea
Minho Lee	The Commercial Office of the Embassy of Republic of Korea	Republic of Korea
Chul Noh	KOTRA Amman	Jordan
Akram Al Basha	KOTRA Amman	Jordan
Sunho Moon	KOTRA Amman	Jordan
Ahmad Barqawi	KOTRA Amman	Jordan
Mohsen Kaabi	SONEDE	Tunisia
Monther Shoblaq	CMWU	Palestine
Hanane Benqlilou	ONEE	Tunisia
Faraj El Awar	GOWPA	Lebanon
Simon Barakat	North Lebanon Water Establishment	Lebanon
Akram Nassar	Water Supply and Sewerage Authority Bethlehem	Palestine
Ismat Sawaqed		USA
Elena Davydova		USA
Helmut Fluhrer		USA
Paul Skayem	World Vision	Lebanon
Marielle Snel	World Vision	Cyprus
Ahmad Mahfouz	Water Authority of Jordan	Jordan
Rana Beshtawi	PMU	Jordan
Bashar Bataineh	Water Authority of Jordan	Jordan
Suad Asad	Water Authority of Jordan	Jordan
Yousef Aljaloudi	Water Authority of Jordan	Jordan

Jamal Naouri	PMU	Jordan
Muna Al-Batayneh	Ministry of Water and Irrigation	Jordan
Yassmin El Tatar	South Lebanon Water Establishment	Lebanon
Fatima Taleb	South Lebanon Water Establishment	Lebanon
Hussein Fakhri	UNICEF Lebanon	Lebanon
Maroun Choufani	South Lebanon Water Establishment	Lebanon
Ali El orra	Beka'a Water Establishment	Lebanon
Anthi Bruma	GWP-Med	Greece
Mohamed Yousef	Dakahleya Water and Waste Water Company	Egypt
Mahmoud Eldeep	Dakahleya Water and Waste Water Company	Egypt
Essam Abdel Meguid	Alexandria Water Company (AWCO)	Egypt
El Sayed Abed	Alexandria Water Company (AWCO)	Egypt
Sayed Mujahed		Egypt
Essam Taha		Egypt
Kholoud Alkurdi	Reetaj Technology & Technical Services	Jordan
Mate Maras	Industrius D.O.O.	Croatia
Goran Erceg	Industrius D.O.O.	

Alejandro del Castillo	Action Contre la Faim	Lebanon
Hazem Hayajneh	Action Contre la Faim	Jordan
Yashif Ali	VAG-Group	UAE
Bashar Odeh	VAG-Group	UAE
Jean Marc FARRUGIA	EGIS	UAE
Naser Sarhan	Aflowt	Jordan
Ayman El Shareif	Itron	UAE
Edna Nakati	Itron	UAE
Michael Ashford	Chemonics	USA
Michael Schenker	KSB Aktiengesellschaft.	Germany
Kamal Al Qaq	KSB Aktiengesellschaft.	Jordan
Abdallah Kheir	Engicon O&M	Jordan
Nahel Maayta	USAID-NRW Management Engineering Services Contract	Jordan
Montaser Abu Abdallah	Aqaba water Company	Jordan
Mohammad Bataineh	Aqaba water Company	Jordan
Nidal Kilani	Aqaba water Company	Jordan
Mira Haddad	ICARDA	Jordan
John Wilson	Middle East Bureau, USAID	
Michael Kropac	Cewas Middle East	Switzerland
Lillian Volat	Cewas Middle East	Switzerland
Aline Bussmann	Cewas Middle East	Switzerland
Thorsten Reckerzuegl	BORDA	Germany
Dana Barqawi	BORDA	Germany
Jerome Voillat	Antenna	Switzerland

Gregoire Castella	Antenna	Switzerland
Patrice Moix	SDC	Jordan
Mufleh Al Abbadi	SDC	Jordan
Eileen Hofstetter	Swiss Agency for Development and Cooperation (SDC)	Switzerland
James Leten	SIWI - Stockholm International Water Institute	Sweden
Hamza Al-Assad	EBRD	
Samuel Renggli	EAWAG	Switzerland
Christoph Luthi	EAWAG	Switzerland
Philippe Reymond	EAWAG	Switzerland
Ahmed Toubali	Camerounaise des Eaux	Cameroon
adria presas	Sensus/Xylem	Spain
Francois FRIGAUX	Sensus, a Xylem brand	Morocco
Anastasios Krommydas	GWP-Med	Greece
Ali Kchouk	Ministère de l'Agriculture des Ressources Hydrauliques et de la Pêche	Tunisia
Holger Laenge	CONSULAQUA Hamburg Beratungsgesellschaft mbH	Germany
Timothy Williams	International Water Management Institute	Ghana
Jörg Yoder	GIZ	Lebanon
Cafer Sezgin	Istanbul Water and Sewerage Administration	Turkey

Adem Esen	Istanbul Water and Sewerage Administration	Turkey
Cafer Sezgin	Istanbul Water and Sewerage Administration	Turkey
Faruk Saadet	Istanbul Water and Sewerage Administration	Turkey
Samaher Al Akhras		Jordan
Ghada Abdelsalam		Jordan
Inas El lobani		Jordan
Roula Hamran		Jordan
Yasin Torun	TSITT	Turkey
Musaed Aklan	Ministry of Water & Environment	Netherlands
Mohammad Qudah	Miyahuna	Jordan
Raed Fararjeh	Miyahuna	Jordan
Saba' Madhat Issa Alhamarneh	German Jordanian University	Jordan
Darine Hani Mousa Abughosh	German Jordanian University	Jordan
Mai Hani Badawi Dweik	German Jordanian University	Jordan
Abdullah Zabin	University of Jordan	Jordan
Nour Chodari Makri	University of Jordan	Jordan
Isra Abu Zakham	University of Jordan	Jordan
Dana Ahmad Waleed Al-Khamash	Al-Hussein Bin Talal University	Jordan
Rita Khaleel Sabri Dabobash	Al-Hussein Bin Talal University	Jordan

Heba Asad Mohammad Al-Haj	Al-Hussein Bin Talal University	Jordan
Aziza Tahboub		Jordan
Mariyam Hamdouni		Jordan
Sami Al Tebi		
Ibrahim Abu ElHyeh		
Mohammad Khalil Abdallah	WAJ	Jordan
Sami Hassan Al-Ghanaem	WAJ	Jordan
Hmoud Mfareh Al Maitha	WAJ	Jordan
Mohamed Eadeh Alholi	WAJ	Jordan
Ibrahim Abdulrohaman Muhsen	WAJ	Jordan
Omar Sayah Ali Alrahamneh	WAJ	Jordan
Omar Yousef Farhan Banat	WAJ	Jordan
Ghazi Khalil Qussous	Consultant	Jordan
Radwan Sa'di Akkash	Consultant	Jordan
Danial Ahmad Khader Warq	Consultant	Jordan
Phlipp Emmanuel Baltus	GOPA Infra company	Germany
Winfried Zarges	GOPA Infra company	Germany
Alexandra Ervenich	Mitsubishi Electric Europe B.V	Germany
Raed Awad	Al Wafaq Company	Jordan
Roland Nash	Mitsubishi Electric Europe B.V	Germany
Iyad Awad	Sier Municipality	Palestine
Mazin Abu Alghair	Sier Municipality	Palestine
Adel Aramin	Sier Municipality	Palestine

Djamel Latrech	Sahara and Sahel Observatory	Tunisia
Mohamedou Sy	Sahara and Sahel Observatory	Tunisia
Michele Pierpaoli	GVC	Lebanon
Giovanni Cesari	GVC - Gruppo di Volontariato Civile	Palestine
Cornelia van Wesenbeeck	VU University	Netherlands
Raid Zraikat	NRW Water Management Engineering Services Contract	Jordan
Ghaleb Akari	MENA Development Solutions, LLC	USA
Olivier Depraz	imaGeau	France
Leonardo van Straaten	CONSULAQUA Hamburg Beratungsgesellschaft mbH	germany
Süleyman Gemici	Valmet Automation Inc	Turkey
Cigdem Timar	Valmet	Turkey
Iyad Al-Zreiqat	Technische Universität Berlin	Germany
Taha AL-Washali	UNESCO-IHE	Netherlands
Ghada Kassab	GIZ jordan	Jordan
Mohammed Ahmad	Aqual Engineering and Consulting Office (AECO)	Palestine
Fady Farah	Poseidon for treatment	Lebanon
Liisa Andersson	Finance in Motion	Germany
Dalia Lakis	Swiss Embassy	Lebanon
Jaeil Kim	Weltech Co., LTD	Republic of Korea
MYUNGRYONG HUR	Weltech Co., LTD	Republic of Korea
KIM HOSEUNG	Weltech Co., LTD	Republic of Korea
Hwa-young Kim	Ministry of Land	Republic of Korea

Ahran HONG	Ministry of Foreign Affairs	Republic of Korea
Munir Hajjaj	Electricity and Water Authority	Bahrain
Abdulrasool Baba	Electricity and Water Authority	Bahrain
Mohammad Jasim Alaradi	Electricity and Water Authority	Bahrain
Abdulazziz Amezian		Morocco
Rachid Madah		Morocco
Abdelazziz AlMukhtari		Morocco
Mohamed Reda	Cairo Drinking Water Company	Egypt
Khaled Diaa eldeen	Regulatory BoD	Egypt
Waleed Al Arabi	LAS	Egypt
Ahmed Yehia	Holding Company for water and Wastewater	Egypt
Alaa Abdel Moaty Salem	QLBCWW	Egypt
Mohamed aly Ibrahim	Holding Company for Water and Wastewater	Egypt
Ezzat ELSayad	Dakahleya Water and Waste Water Com	Egypt
Tamer Osman	Holding Company for Water and Wastewater	Egypt
Ibrahim Khaled	Minya Water and Sanitation Company	Egypt
Neven Elkhateb	Kafr El Sheikh Company for Water and Wastewater	Egypt
Sajeda Rahifeh	REC	Jordan
Danko Aleksic	REC	Hungari

Sameeh Al Nuaimat	REC	Jordan
Nadia Abdouh	Governor of Alexandria	Egypt
Abdelkawi Khalifa	BoD	Egypt
Murtadha Al-Sudani	Ministry of Water Resources	Iraq
Rifaat Abdelwahab		
Jihad Abu Jamous	Arabtic Jardaneh	Jordan
Khaled Zaabar	SONEDE	Tunisia
Hassan Hazaymeh	Yarmouk Water Company	Jordan
Khalid AL-Obaidyn	Aqaba Water Company	Jordan
Aref Batoush	Aqaba Water Company	Jordan
Khair Al Hadidi	Water Authority of Jordan	Jordan
Tawfiq Habashneh	Water Authority	Jordan
Saad Abu Hammour	Jordan Valley Authority	Jordan
Iyad Dhiat	Ministry of Water and Irrigation	Jordan
Susan Kilani	Ministry of Water and Irrigation	Jordan
Majed Qtaishat	Ministry of Water and Irrigation	Jordan
Adel Saffar	Ministry of Public Works	Kuwait
Ahmad Nizam	South Lebanon Water Establishment	Lebanon
Maroun Moussallem	Bekaa Water Establishment	Lebanon
Jamal Krayem	North Lebanon Water Establishment	Lebanon
Mahmoud Doro	Greater Company for Water and Wastewater	Libya
Samer Bensaid		Morroco

Kassim Al-Jabri	Public Authority for Electricity and Water	Oman
Mazen Ghnaim	Palestinian water Authority	Palestine
Emad Sarhan	Ministry of Water and Irrigation	Jordan
Ziad Fouqaha	Palestinian water Authority	Palestine
Rana Abu Soud	Palestinian water Authority	Palestine
Rawan Said	Palestinian water Authority	Palestine
Nihad Shiakha	Tulkarem Municipality	Palestine
Shokri Radaideh	Water and sewage authority Bethlehem	Palestine
Fadi Nofal	Palestinian water Authority	Palestine
Mahmoud Mezher	Palestinian water Authority	Palestine
Mohammad Imad Masri	Nablus Municipality	Palestine
Jae-Heung Yoon	Korea Water Forum	Republic of Korea
Kyung-Taek Yum	Smart Water Grid Research Group	Republic of Korea
Ahmad Jaber	Alexandria Water Company	Egypt
Salah Bayoumi	HCWW	Egypt
Mamdouh Raslan	HCWW	Egypt
Mohammad Salah	HCWW	Egypt
Khouala Chabane	SONEDE	Tunisia
Hela Nacef	SONEDE	Tunisia
Muwaffaq M. Saqqar	Water and Environment Consultant Engineer	Jordan
Najeeb Mohammad Ahmad	Aden Water and Sanitation Local Cooperation	Yemen

Najeeb Alhmyare		Yemen
Mohammad Arslan	Miyahuna	Jordan
Abdulraqueeb AlShurmani	Ibb Water and Sanitation Local Cooperation	Yemen
Peter McCornick	Daugherty Water for Food Global Institute at the University of Nebraska	USA
Joseph Lteif	Bekaa Water Establishment	Lebanon
Olfa Mahjoub	INRGREF	Tunisia
Nasser AL Manaseer	BAU \ UNIESCO-IHE	Jordan
Majeda Alzoubi	Miyahuna	Jordan
jiries Dababneh	Miyahuna - Zarqa	Jordan
Amer Haroun	Miyahuna	Jordan
Ali Alquran	Miyahuna	Jordan
Ahmad Al Hiary	Miyahuna	Jordan
Ziad Al waneh	Miyahuna	Jordan
Abdelbasit Saleh	Consultant	Jordan
Shadia Nassar	USAID	Jordan
Abudulla Al Nuaimi	Ministry of Energy	United Arab Emirates
Ahmad Almazrouei	Ministry of Energy UAE	UAE
Yousef Al Etaan	MWI	Jordan
Kamal Al Zoubi	MCA-Jordan	Jordan
Michael Jones	USAID WRE	Jordan
Louis Qaqish	USAID	Jordan

Evan Meyer	USAID	Jordan
Amal Abu Hanna	USAID	Jordan
Ghazi Khalil	Miyahuna	Jordan
Matar AlNeyadi	Ministry of Energy	United Arab Emirates
Rashad Al Shawa	International Water Bank	Kuwait
Bambos Charalambous	Hydrocontrol Ltd	Cyprus
Jamal sharaf	The University of Jordan	Jordan
Jose Valdez	Water Management Initiative (WMI) Project - Tetra Tech Inc.	Jordan
Refaat Bani-khalaf	Water Authority of Jordan	Jordan
Saddam Khliafat		Jordan
George Rizkallah	DCOP WMI	Jordan
Rashid Alleem	Sharjah Electricity & Water Authority	UAE
Manar Faiad	GJU	Jordan
Yana Abu Taleb	Friends of the Earth - Middle East	Jordan
Jawad Al-Bakri	The University of Jordan	Jordan
Ahmad Al-Azzam	Allied Business Advisors	Jordan
Hani Khleifat	Vocational Training Corporation	Jordan
Mohammad Rshead	CAQA	Jordan
Odeh Taleb	hashemite University	Jordan
Bisher Emam	UN-Cairo	Egypt
Waleed AlZubari	Arabian Gulf University	Bahrain
Graham Alabaster	UNHABITAT	Switzerland

Mathew Kurian	UNITED NATIONS UNIVERSITY	Germany
Alaa Alsaadi	SGS Jordan	Jordan
Firas Al Azzam	WAJ	Jordan
Omar Salameh	WAJ	Jordan
Rania Shaaban	WAJ	Jordan
Rateb Adwan	WAJ	Jordan
Iyad Al Qasier	MWI	Jordan
Qusai Qteshat	Consultant	Jordan
Younes Dwiak	Consultant	Jordan
Naef Aldhmour	WAJ	Jordan
Kefah Mrian	Yarmouk Water Company	Jordan
Ali Al Kouz	Jordan Valley Authority	Jordan
Khaleel Al Absi	Jordan Valley Authority	Jordan
Zainab Abu Zaid	Jordan Valley Authority	Jordan
Raad Doud	ECO Consult	Jordan
Munjed Almanasir	WAJ	Jordan
Riyad Mahmoud Fadda	WAJ	Jordan
Majdi Gharaghir	WAJ	Jordan
Salameh Mahasneh	PMU	Jordan
Haneen Qablan	Ministry of Water Irrigation Jordan	Jordan
Hanna Zaghloul		Jordan
Indira Al Dahabi		Jordan
Noama Shareif		
Udo Kakhin / check the sp.		

Ruediger Heidebrecht	German Association for Water, Wastewater and Waste	Germany
Marwan Alraggad	UNIVERSITY OF JORDAN	Jordan
Ali Subah	Ministry of water and irregation	Jordan
Djamel Djaballah	Environment, Housing and Water Resources Department	Egypt
Yasmine Teima	LAS	Egypt
Hammou Laamrani	LAS	Egypt
Miriam Balaban	European Desalination Society	Italy
Almoayied Assayed	Royal Scientific Society	Jordan
Hazem Fakhouri	Reetaj Technology & Technical Services	Jordan
Paul Harrison	Halma Water Management	Jordan
Amer Mokbel	Wilo	Germany
Rami Al Qadi	Wilo	Germany
Atilla Birol	Wilo	Germany
Christian Rocke	IFAT	Germany
Michael Tyrkas	IFAT	Germany
Oleg Korobka	Ekoton	Latvia
Pavel Abragimovic	Ekoton	Latvia
Natalie Kolbe	German Water Partnership	Germany
Azmi Ghneim	German Water Partnership	Germany
Thomas Hinze	Duktus	Germany
Mustafa Ghamry	friends of the Earth - Middle East	Germany
Nabil El-Kadsi	Nivus	Germany

Hubertus Soppert	P2M Berlin	Germany
Hubertus Schrage	P2M Berlin	Germany
Vladimir Mitrovic	Industrius D.O.O.	Croatia
Leonid Schor	Aflowt	Germany
Katerine Heitz Heitz	Action Contre la Faim	Lebanon
Vincent Gengler	Action Contre la Faim	Jordan
Imad Dahleh	Itron	UAE
Alberto Ramos	Chemonics	USA
Nabil A. Wakileh	NAWCO	Jordan
Thomas Gester	ATB Umwelttechnologien GmbH	Germany
Wafeq Al Qasem	National Chlorine Industries Company	Jordan
Hamzeh El Taher	National Chlorine Industries Company	Jordan
Hadeel Awad	KSB Aktiengesellschaft.	Jordan
Zaid Samara	KSB Aktiengesellschaft.	Jordan
Charles Carner	Khost Aqua Consult	Jordan
Suheir Al-Qutub	Khost Aqua Consult	Jordan
Mansour khoust	Khost Aqua Consult	Jordan
Fahad Yousuf Tolefat	Qatar General Electricity & Water Corporation (Kahramaa)	Qatar
Jassim Al Mansoori	Kahrama	Qatar
Khalifa Al Kubaisi	Qatar General Electricity & Water Corporation (Kahramaa)	Qatar
Mohammad afaneh	mirjas company	Jordan

Roy Nasr	ACTED	Lebanon
Ciara Noone	ACTED	Lebanon
Ismael Husein	VISPIRON EPC	Germany
Zeyad Shawagfeh	Dorsch international Consultants / GIZ	Jordan
Stephan Kugler	Dorsch International Consultants	Jordan

Annex 2: Arab Water Week 2017 Conference program
19-21 March 2017

Saturday 18/3/2017	Time	Sunday 19/3/2017												
	07:30-09:00	Registration & Coffee break												
	09:00-10:00	Conference Opening Session: - H.E. Dr. Hazem Al Naser, Minister of Water & Irrigation, Jordan - Ambassador of Sweden - Representative of Utilities - Chairman of HCWW, Egypt - Eng. Khalid Khashman, Secretary General												
	10:00-10:30	Exhibition opening												
Arrival of Participants	10:30-11:30	High Level Panel: H.E. Dr. Hazem Al Naser, Minister of Water & Irrigation, Jordan Dr. Peter McCormick, Executive Director Robert B. Daugherty Water for Food Global Institute at the University of Nebraska, USA Dr. Rashad Al-Shawa, Chairman of the Founders Committee & Vice Chairman of the Advisory Board of the International Water Bank, Chairman of the Board of Mai Resources International (Switzerland), AG Member of the World Water Council. Dr. Jim Barnhart, USAID Mission Director to Jordan Chair person: Mr. Ahmad Al-Azzam ☐												
Start Registration 16:00	11:30-12:30	ACWUA Session/ Business plan												
	Lunch 12:30-13:30													
		<table border="1"> <thead> <tr> <th>Track 1</th> <th>Track 2</th> <th>Track 3</th> <th>Track 4</th> </tr> </thead> <tbody> <tr> <td>Session (1)</td> <td>Session (2)</td> <td>Session (3)</td> <td>Session (4)</td> </tr> <tr> <td>Korean Water Forum</td> <td>Global Water Partnership</td> <td>GIZ Jordan + SuSanA+ CEWAS Middle East</td> <td>TBD</td> </tr> </tbody> </table>	Track 1	Track 2	Track 3	Track 4	Session (1)	Session (2)	Session (3)	Session (4)	Korean Water Forum	Global Water Partnership	GIZ Jordan + SuSanA+ CEWAS Middle East	TBD
Track 1	Track 2	Track 3	Track 4											
Session (1)	Session (2)	Session (3)	Session (4)											
Korean Water Forum	Global Water Partnership	GIZ Jordan + SuSanA+ CEWAS Middle East	TBD											
	15:00-15:30 Coffee Break													
		<table border="1"> <thead> <tr> <th>Session (5)</th> <th>Session (6)</th> <th>Session (7)</th> <th>Session (8)</th> </tr> </thead> <tbody> <tr> <td>Korean Water Forum</td> <td>Global Water Partnership</td> <td>IFAT and submitted papers</td> <td>TBD</td> </tr> </tbody> </table>	Session (5)	Session (6)	Session (7)	Session (8)	Korean Water Forum	Global Water Partnership	IFAT and submitted papers	TBD				
Session (5)	Session (6)	Session (7)	Session (8)											
Korean Water Forum	Global Water Partnership	IFAT and submitted papers	TBD											
	19:00	Gala Dinner												

Time	Monday 20/3/2017					Tuesday 21/3/2017				Wednesday 22/3/2017
	Track 1 AUDITORIUM	Track 2 Sacrament Section 1	Track 3 Sacrament Section 2	Track 4 Dilmun 1	Track 5	Track 1 (AUDITORIUM)	Track 2 Sacrament Section 1	Track 3 Sacrament Section 2	Track 4 Dilmun 1	
09:00-10:30	Session (9)	Session (10)	Session (11)	Session (12)	Side Event	Session (25)	Session (26)	Session (27)	Session (28)	
	Arab Union for Electricity (AUE)	USAID TBD	submitted papers 1	submitted papers	University challenge	escwa	submitted papers 2	submitted papers 3	submitted papers 4	
10:30-11:00 Coffee Break										
11:00-12:30	Session (13)	Session (14)	Session (15)	Session (16)	Side Event	Session (29)	Session (30)	Session (31)	Session (32)	
	World Bank	submitted papers 5	submitted papers 6	submitted papers 7	University challenge	submitted papers 8	submitted papers 9	TBD	submitted papers 10	
Prayer Time Lunch 12:30-13:30										
13:30-15:00	Session (17)	Session (18)	Session (19)	Session (20)	Side Event	Session (33)	Session (34)	Session (35)	Session (36)	
	SIDA	submitted papers	TBD	UNICEF Jordan	University challenge	GIZ Egypt	TBD	TBD	TBD	
15:00-15:30 Coffee Break										
15:30-17:00	Session (21)	Session (22)	Session (23)	Session (24)	Side Event	Closing Session of the conference ☐				
	UNESCO-IHE Managing water scarcity in the Middle East: a Global Partnership for 'Water and Development'	TBD	TBD	TBD	closing University challenge & Declared the winner					
17:00						BOD & General Assembly				

Departure of Participants