



الابتكارات والحلول المستدامة  
لقطاع المياه في المنطقة العربية

INNOVATIONS & SUSTAINABLE SOLUTIONS  
FOR THE WATER SECTOR IN THE ARAB REGION



١١-١٥ كانون الثاني ٢٠١٥ البحر الميت - الأردن  
11 - 15 JANUARY 2015 DEAD SEA, JORDAN

2015  
ARAB WATER WEEK

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ACWUA

5 Years  
Achievements

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## 3rd Arab Water Week celebrated 5 Years of Achievements for ACWUA

The 3<sup>rd</sup> Arab Water Week celebrated **5 years of achievements** for the Arab Countries Water Utilities Association (ACWUA) since the launching of its activities and the establishment of the Secretariat office in Amman, Jordan hosted by the Government of the Hashemite Kingdom of Jordan represented by the Ministry of Water & Irrigation.

The 3<sup>rd</sup> Arab Water Week represents a stepping stone for ACWUA; presenting a 5-years of achievements and launching the new 5-years strategic business plan.

Through 5 years of continuous efforts and diligent work, ACWUA has realized more than 90% of its strategic goals set in the 5-years business plan (2009-2014) and has spread widely to become today the only representative for Arab water utilities in the region.

The 3<sup>rd</sup> Arab Water Week was distinguished for the **richness of content, diversity of participants and the variety of activities**; the conference agenda included 28 specialized sessions presented by 98 selected speakers. The presentations were interspersed with discussions, exchange of knowledge, introduction to new solutions and technologies, and exposure to projects and experiences implemented in the region, for the aim of adopting and disseminating of best practices in the region.

**The 3rd Arab Water Trade Fair** was very successful & distinctive; more than 30 exhibitors among the most well-reputed water private sector in the world showed their state-of-the-art technology to more than 400 participants coming from the region and the World.

ACWUA established **new partnerships** with regional and International organizations **and signed strategic agreements during the AWW.**

**Launching of publications** considered as the fruit of the activities of ACWUA technical working groups (TWG) and task forces (TF) including reports, case studies and guidelines.

More activities to be mentioned into more details inside this edition including; **Meetings** of ACWUA 4<sup>th</sup> General Assembly Elections of 7<sup>th</sup> Board of Directors, technical working groups meetings (Public Awareness, Utilities Management, Utilities Reform, Energy Efficiency)

**2-Days training courses** on **Water Integrity** by SIWI and **Ground Water Modelling in Arid Regions** by DHI.

**Workshops** on **Regulatory of the Water Sector in the Arab Region**, supported by the European Bank for Reconstruction and Development (EBRD) and a workshop on **Non-Revenue Water** by USAID

ACWUA as a global center of excellence has served through 5 years as a regional platform for International exchange of knowledge to provide best practices and capacity building to staff utility members, experts and professionals.

I would like to invite you to read this special edition of the "**AWW News Bulletin**" that sheds light on all the important activities organized during this big event, and focuses on the successes.

Sincerely Yours, **Eng. Khaldon H. Khashman**

Under the patronage of H.E Dr. Hazim El-Naser  
Minister of Water and Irrigation

INNOVATIONS & SUSTAINABLE SOLUTIONS  
FOR THE WATER SECTOR IN THE ARAB REGION

11 - 15 JANUARY 2015

KING HUSSEIN BIN TALAL CONVENTION CENTER  
DEAD SEA, JORDAN



2015  
ARAB WATER WEEK

تحت رعاية معالي الدكتور حازم الناصر الأكبرم  
وزير المياه والري

الابتكارات والحلول المستدامة  
لقطاع المياه في المنطقة العربية

11-15 كانون الثاني 2015

مركز الملك الحسين بن طلال للمؤتمرات  
البحر الميت - الأردن

**Opening Ceremony** of the 3rd Arab Water Week, 11 January 2015— speakers:

- H.E. Eng. Khaldon Khashman, Secretary General, ACWUA secretariat
- Eng. Imad Al Zeer, Chairmen of ACWUA Board
- Dr. Jamal Eddin Djaballah, Arab Water Ministerial Council, League of Arab States
- H.E Eng. Mamdouh Raslan, Chairman of the Holding Company for Water and Wastewater, Egypt
- H.E. Mrs. Helena Gröndahl Rietz, Ambassador of Sweden in Amman
- H.E Eng. Tawfeeq Habashneh (Deputy of H.E. Dr. Hazem El Naser) , Water Minister of Jordan (Patronage Speech)

**Conference key themes:**

- Innovations and sustainable solutions to reduce Non-Revenue Water
- Energy Efficiency dilemma in water and wastewater utilities
- Cost recovery and financial sustainability
- Best practices in Asset Management and cost life cycle
- Social responsibility and water for marginalized people via effective tariff restructuring
- New innovations in capacity building and training for water utilities
- Certification programs for water and wastewater utilities
- Water safety plans and water quality monitoring perspectives from watershed to end user
- Wastewater treatment and reuse, new aspects for intelligent planning
- Water utilities adaption to climate change, current status and future perspectives
- IWRM and good water governance in the Arab region
- Trends and lessons learned from water utilities reform
- Automation and modernization as cost effective tool for sustainable water resources management
- MDG+ initiative towards sustainable water resources management within the Sustainable Development Goals (SDG's)
- Benchmarking as a tool for optimizing water and wastewater operations
- Water public action and awareness in a fast changing world

**Exhibition:** A specialized exhibition presented state of the art new water technologies and solutions took part alongside with the conference. Leading companies and specialized vendors of water and wastewater equipment and other service providers participated in the technical exhibition.

**Back-To-Back Activities:**

The 3<sup>rd</sup> Arab Water Week includes various activities, taking place over 5 days, they are:

- Three days conference, 28 sessions.
- Arab Water Trade Fair, taking place side by side with the conference.
- ACWUA 4<sup>th</sup> General Assembly meeting/Elections of 7<sup>th</sup> Board of Directors
- Meetings for Public Awareness TWG, Capacity Building and Training TWG and Energy Efficiency Task Force, supported by GIZ
- Meetings for Utilities Management TWG and Utilities Reform TWG meetings, supported by SIDA
- Two days training course on Ground Water Modeling in Arid Regions by DHI
- Two days training course on Water Integrity supported by SIWI
- Workshop on "Regulatory of the Water Sector in the Arab Region", supported by the European Bank for Reconstruction and Development (EBRD)
- Workshop on NRW Research project funded by USAID-FABRI project in cooperation with AfWA

## Signing Agreements

As part of ACWUA's mission at partnering with International organizations in the different fields; like training & capacity building, expanding certification activities in the region, organizing conferences and exhibitions in the Arab region; ACWUA signed a number of agreements for building new partnerships in the different fields during the opening ceremony of the 3rd Arab Water Week on 11th January 2015.

### MOU with the Holding Company for Water & Wastewater (HCWW), Egypt



ACWUA signed a Memorandum of Understanding with the HCWW in the field of training and certification for the aim of building capacities for the water sector staff in the different utilities in Egypt (HCWW & Subsidiaries).

**Eng. Mamdouh Raslan, Chairman, HCWW (right)**

### MOU with the International Water Association (IWA)



ACWUA signed a Memorandum of Understanding with (IWA) for the organization of the IWA Water and Development Congress & Exhibition from 18-22 October 2015 in Jordan.

**Mr. Ger Bergkamp, IWA (right)**

### MOU with Oman Water Society (OWS)



ACWUA signed a Memorandum of Understanding with Oman Water Society in the field of training and capacity building.

**Eng. Zaher Al Sulaimani, OWS (right)**

### MOU with the Water Sciences & Technology Association (WSTA), Bahrain



ACWUA signed a Memorandum of Understanding with (WSTA) - Bahrain, in the field of training and capacity building.

**Prof. Waleed K. Al-Zubari, WSTA President**

### MOU with the African Water Association (AfWA)

ACWUA signed a Memorandum of Understanding with AfWA in the fields of research, training and certification, joint events, youth programs, knowledge exchange and others ...



## Launching ACWUA Strategic Business Plan 2015-2019

At the 3rd Arab Water Week opening ceremony; ACWUA has launched the new 5-years business plan for the coming (2015-2019) which represents a step forward for ACWUA; exploring the new vision for ACWUA as a global center of excellence that serves as a regional platform for international exchange of knowledge.

ACWUA will be working within the next planning period to develop its services and expand its scope of work and the level of awareness of its activities, in order to be able to better support its members in facing the various challenges that are mostly common within the Arab region, such as water scarcity within a growing population and expanding urbanization and economic development activities, and a politically volatile region that has been impacted by the “Arab Spring”, and the centralized approach to utility management—especially in what is related to planning and tariff setting and regulations, and the shift of qualified resources from public to private sector, and the limited utility resources dedicated to capacity building and technology transfer, and the lacking financial resources that are needed to fund capital investments and infrastructure development, and the difficulty in accessing funds—especially with utilities reaching the ceiling of available funds, and the refrainment of the private sector to fund large scale strategic projects. [Read more](#)



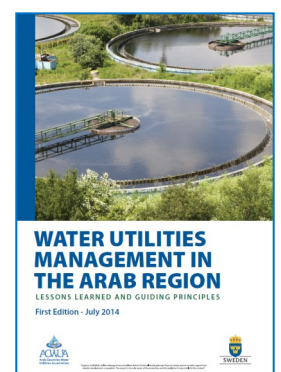
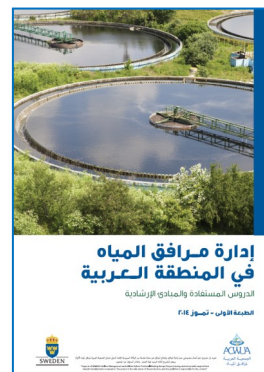
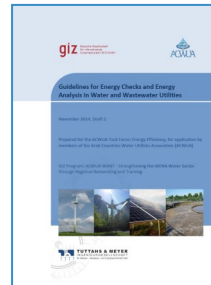
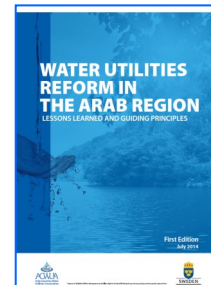
## Launching New Publications

Besides, the launching of technical working groups and task forces guides:

- Lessons Learned & Guiding Principles in Water Utilities Reform (UR) in the Arab Region (English & Arabic)
- Lessons Learned & Guiding Principles in Water Utilities Management (UM) in the Arab Region (English & Arabic)
- Energy Efficiency (EE) Guidelines
- Technical Sustainable Management-Arab (TSM-ARAB) Requirements
- "The MDG+ Initiative" First Report

Those guides are considered the fruit of the working groups and task forces activities throughout 2-years of continued team work, close follow and critical reviews of case studies and reports from the Arab Region.

Special thanks to the authors who contributed to these guides with their time and experience - members of ACWUA TWG & TF from the different Arab water utilities members. [Read more](#)



## Closing of the 3rd Arab Water Week Conference & Exhibition

Under the patronage of H.E Dr. Hazim El Naser, Minister of Water & Irrigation, Jordan; the closing ceremony of the 3rd Arab Water Week International Conference & trade fair was held on the 13th of January 2015.

The key note speakers at the closing session concluded the results of the 3 days sessions:

- H.E Dr. Abdelkawi Khalifa, Former Minister of Water Utilities, Egypt
- H.E Dr. Azzi Hebatollah Shreim, Yemeni Water Minister
- H.E. Dr. Latif Rachid, Senior Advisor to the President, former Minister of Water Resources, Iraq
- Ms. Christine Von Lonski, German Water Partnership (GWP), Director General, Germany

## Recommendations of the 3rd Arab Water Week

H.E. Eng. Khaldon Khashman, ACWUA Secretary General, summarized the recommendations and results, that formulate ACWUA's forthcoming focus and activities: [Read All the Recommendations](#)

- Support ACWUA initiative for developing standardized operation and maintenance procedures for water & wastewater utilities – Arab Ministerial Water Council
- Approving ACWUA strategic business plan and seek funding to develop future projects through the Arab Ministerial Water Council



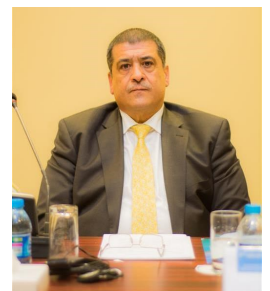
## 4th General Assembly Meeting

The General Assembly meeting will take place after the closing session of the conference where elections were held for the selection of the members of the new Board of Directors for the years (2015 – 2016), as well as voting on many important issues.



### Consensus by ACWUA General Assembly on the extension of H.E. Eng. Khaldon Khashman mandate as the Secretary General of ACWUA

During the 4th General Assembly meeting held on the 13 of January 2015 right after the closing ceremony of the 3rd Arab Water Week; it was unanimously agreed by all members to renew Eng. Khaldon H. Khashman's position as the Secretary General of ACWUA for the coming 2 years (2015-2016).



### Board of Directors Elects Yemen for Chairing ACWUA Board for the 2 years 2015-2016

ACWUA newly elected board of directors for the coming 2-years 2015-2016; agreed to choose Eng. Nabil Al Wazir, Director General for Sanaa Water and Sanitation Local Corporation (SWSLC) and the Representative of Yemeni utilities as the Chairman of the Board of Directors of ACWUA. The New Board of Directors was elected on the 13th of January 2015; during the General Assembly meeting held right after the closing ceremony of the 3rd Arab Water Week. This board of Directors is the 7th for ACWUA.

[The New Board of Directors](#)



## Second IWRM MSc Alumni Seminar during 3rd Arab Water Week

Three years after the first alumni meeting, the IWRM Program conducted an Alumni Seminar in Amman, Jordan, in January 2015. The seminar was linked to the 3rd Arab Water Week organized by ACWUA and during two days of the seminar all Alumni had the chance to attend the conference and exchange with international experts from the public and private sector. [Read more](#)



## Back-to-Back Activities

### 2 DAYS MEETING, MDG+ INITIATIVE, 13-14 JANUARY 2015

A meeting for the National Focal Points (NFPs) and National teams members took place on the 13th & 14th of January 2015. They presented the challenges and lessons learned during national data collection for each country, the achievements, and discussed the next steps and how they can be done effectively. This meeting is supported by SIDA.

### REGULATORY WORKSHOP WITHIN ACWUA MEMBERSHIP

A regulatory meeting supported by the European Bank for Reconstruction and Development (EBRD) took place on 14th January 2015. The meeting discussed the results of the first regulatory meeting held back in January 2013 during the 2nd Arab Water Week. It also included a discussion about the training and capacity building needs for water regulators in MENA region, the challenges facing water regulators in MENA region, the creation of a Task Force/TWG for water regulators within ACWUA membership, the roles and duties for the regulatory TWG, and the next steps.

### PUBLIC AWARENESS TECHNICAL WORKING GROUP SESSION

A meeting on 14th January 2015 for the Public Awareness Working Group supported by GIZ for and evaluating the previous phase and planning for the coming activities (action plan and budgetary of 2015).

### ENERGY EFFICIENCY TASK FORCE SESSION

A meeting on 14th January 2015 for the Energy Efficiency task force supported by GIZ for reviewing the EE-Guidelines for Energy Checks and Energy Analysis and discuss needed amendments.

### 2 DAYS TRAINING ON WATER INTEGRITY, 14-15 JANUARY 2015

On January 14-15 SIWI organised its first regional Training Workshop on Water Integrity for MENA Region. The training took place back-to back with the 3rd Arab Water Week, in the Dead Sea, Jordan and formed part of SIWI's multi-partner 4 year Capacity Building Programme on Water Integrity in the Middle East and North Africa (MENA).

The main objective of this workshop is to launch the national trainings which will take place later during the year as well as to reach out to a bigger audience beyond the programme target countries (Lebanon, Morocco, Tunisia, Jordan and Palestine).

Based on the findings of five national assessment undertaken in 2014 in which integrity risks and capacity needs were identified the national trainings target water managers at the national and operational level as well as civil society and women to equip them with tailor-made pro-integrity messages and tools. A workshop for high-level decision makers will be held later this year to advocate for the issue and create a dialogue on the government level. [Read more](#)

### DEVELOPING DIAGNOSIS TECHNIQUES AND STRATEGIES TO REDUCE NON-REVENUE WATER IN THE MIDDLE EAST AND NORTH AFRICA RESEARCH PROJECT MEETING, 14-15 JANUARY 2015

First Plenary meeting for the NRW toolkit held on the 14th & 15th of January 2015 - funded by USAID-FABRI project in cooperation with the African Water Association (AfWA). [Read more](#)

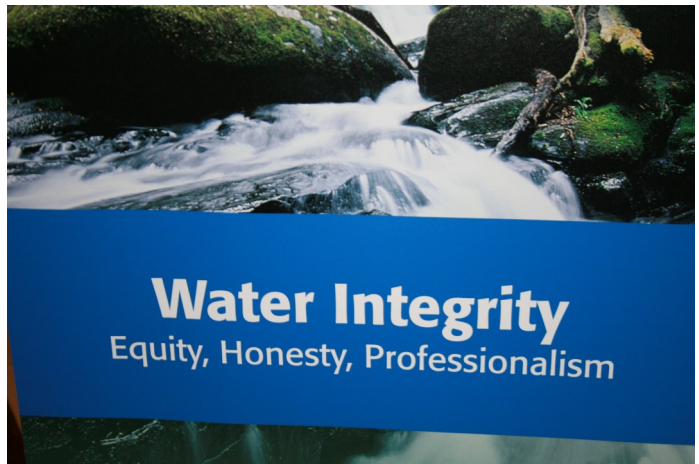
### 2 DAYS TRAINING ON GROUNDWATER MODELLING IN ARID REGIONS, 14-15 JANUARY 2015

On January 14-15 course took place as one of the back-to-back activities that held during the 3rd Arab Water Week 2015.

The course is intended for water professionals who want to gain insight into the power of numerical groundwater simulations when dealing with water challenges in arid regions. It provides information about the capabilities of currently available tools, shows application examples, and offers the chance to get first experience in numerical simulation with the software FEFLOW.



## Photos from Back-to-Back Activities



## Partners



## Cooperative Partners & Associations



## Sponsors



## Media Partner



## Exhibitors at the 3rd Arab Water Week 2015

**ARABTECH JARDANEH**  
Define . Design . Deliver

ACWUA WANT PROGRAM IN COOPERATION WITH GIZ

**giz** Deutsche Gesellschaft  
für Internationale  
Zusammenarbeit (GIZ) GmbH



**IFAT**  
resources. innovations. solutions.

**EKOTON**  
INDUSTRIAL GROUP



German Water  
Partnership

**Dorsch Gruppe**  
Dorsch  
International  
Consultants

**DUKTUS**

**BARTHAUER**

**HOMA**  
PUMPEN MIT SYSTEM

**nivus**

**BILFINGER** WATER TECHNOLOGIES

**Düker**

**STÜWA**  
BRUNNENFILTER  
BOHRBEDARF

**wilo**

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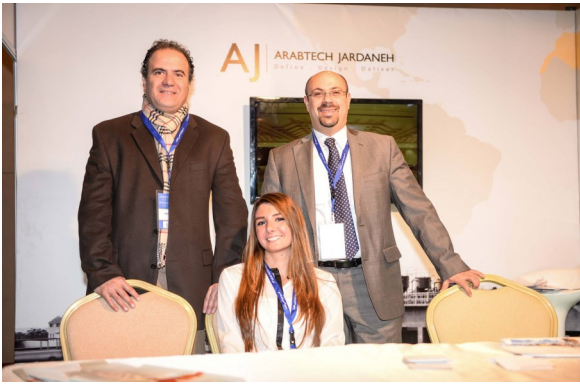


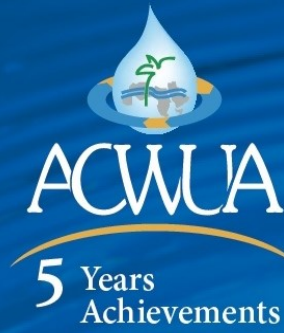
مياه العقبة  
Aqaba Water

# Exhibitors Photos



# Exhibition Photos





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## 3rd ARAB WATER WEEK OUTCOMES

<b>Download Presentations</b>	<a href="#">DOWNLOAD NOW</a>
<b>AWW Recommendations - English</b>	<a href="#">DOWNLOAD NOW</a>
<b>AWW Recommendations - Arabic</b>	<a href="#">DOWNLOAD NOW</a>
<b>AWW Proceedings</b>	<a href="#">DOWNLOAD NOW</a>
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<b>Video Report - Opening</b>	<a href="#">DOWNLOAD NOW</a>
<b>Video Report - Closing</b>	<a href="#">DOWNLOAD NOW</a>
<b>Final Report</b>	<a href="#">DOWNLOAD NOW</a>
<b>Support Letter from League of Arab States</b>	<a href="#">DOWNLOAD NOW</a>

## ACWUA Board of Directors 2015 - 2016

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**Chairman of the Board**

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H.E Eng. Saad Abu Hammour  
Jordan Valley Authority

**Egypt,**

Eng. Ibrahim Khaled  
Menya Water & Wastewater Company

**Bahrain,**

Eng. Khalifa Al Mansour  
Ministry of Public Works

**Saudi Arabia,**

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Miahona

**Lebanon,**

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Bekaa Water Est.

**Palestine,**

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Coastal Municipalities

**Libya,**

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General Company for Water & Wastewater

**Morocco,**

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S.N.D.E

**Tunisia,**

H.E. Saad Seddik  
Sonede

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Algerienne des Eaux (ADE)

**Sudan,**

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Ministry

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Abu Dhabi Water & Electricity Authority  
(ADWEA)

**Oman**

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Public Authority for Electricity & Water  
(PAEW)

**Kuwait,**

Ministry of Public Works

**Iraq**

Mr. Loay Ali  
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**Regulatory Rep.**

Mr. Seif Al Qubaisi  
Regulatory & Supervision Bureau (RSB)

**Private Sector Rep.**

Eng. Jihad Abu Jamoud  
Arabtech Jardaneh Water & Environment

**International Organizations Rep.**

Ms. Roula Majdalani  
ESCWA

**Individuals Rep.**

H.E. Dr. Abdelkawi Khalifa  
Former Minister of Water & Wastewater  
Utilities, Egypt