



CAIRO WATER WEEK CWW2018 FINAL ANNOUNCEMENT

OCTOBER 14-18, 2018 – CAIRO, EGYPT



LIST OF ABBREVIATIONS:

AFRWG	The African Regional Working Group
AF-YWPF	The African Young Water Professional Forum
ASRT	The Academy of Scientific Research and Technology
AWC	Arab Water Council
CEDARE	The Centre for Environment and Development for the Arab Region and Europe
CIA	Cairo International Airport
CIHEAM	The Mediterranean Agronomic Institute of Bari
CSOs	Civil Society Organizations
CWW	Cairo Water Week
DC	Delta Coalition
DRR	Disaster Risk Reduction
EDUCAMP	Education Campaign
EFSD	European Fund for Sustainable Development
EGP	Egyptian pound
EIP	European Investment Plan
ESD	Education for Sustainable Development
ESDF	Egyptian Sustainable Development Forum
EU	European Union
EURO	Official Currency of The European Union
FAO	The Food and Agriculture Organization of the United Nations
FS	Feasibility Study
FSM	Faecal Sludge Management
GIZ	The German Agency for International Cooperation
ICARDA	International Center for Agricultural Research in the Dry Areas
ICBA	International Center for Bio saline Agriculture
ICID	International Commission on Irrigation and Drainage
IWMI	International Water Management Institute
MDG	Millennium Development Goals
MWRI	Ministry Of Water Resources and Irrigation
NBCBN	Nile Basin Capacity Building Network
NENA	Near East and North Africa Regional
OIC	Organization of Islamic Cooperation
PoS	Poster Session
PS	Plenary Session
RAED	Arab Network for Environment and Development
SDGs	Sustainable Development Goals
SE	Side Event
SIWI	Stockholm International Water Institute
SWIM	The Sustainable Water Integrated Management and Horizon 2020 Support Mechanism
TS	Technical Session
UFM	Union for the Mediterranean
UN	United Nations
UNESCO	The United Nations Educational, Scientific and Cultural Organization
USD	United States Dollar
VICMED	Establishment of a Navigational Line Between Lake Victoria and the Mediterranean Sea
WCDRR	World Conference on Disaster Risk Reduction
WEF	World Economic Forum

INTRODUCTION

Many countries all over the world nowadays are stressed, even suffering from numerous water issues. In a rapidly changing world, the MENA region is challenged by a wide variety of natural and man-made conditions including water scarcity, demographic change, unemployment, poverty, changing consumption patterns, urbanization, rising water and food demands, growing energy needs, environmental degradation, climate change, water-related natural disasters and gender disparities. These challenges have significant implications for water availability and quality, for the provision of ecosystems services, affecting as well the living conditions of current and future generations and affecting migratory flows. Recently, many international conglomerates have emerged to show the water issue as a priority even.

Meanwhile, Egypt faces varying water-related stresses and challenges and is an example how a developing country is highly vulnerable to climate change and exposed to numerous threats concerning its economic, social and environmental sustainability. Moreover a growing population and increasing demands for natural resource coupled with the constraints of finite resource bases is increasing the probability for genuine crisis situations, if not quickly and decisively addressed by mitigation actions. All specifications of the Water-Energy-Land NEXUS are affecting with highest significance for food security and employment opportunities especially for the youth.

Egypt's water is the most important pillar for achieving national wealth and prosperity. The realisation of Egypt's comprehensive "Sustainable Development Strategy 2030" and related plans for its social, economical and environmental dimensions is directly affected by the state's capability to provide the necessary water resources. The "Cairo Water Week" has been initiated to organise a forum for exchange of expertise, development of appropriate solutions and formulation of recommendations for a successful achievement of Egypt's sustainable development goals.

The Cairo Water Week is considered as the biggest water-related event in Egypt and is planned to be organized annually by the Ministry of Water Resources and Irrigation in collaboration with national, regional and international partners. It aims to promote water awareness and foster innovative approaches to face the most pressing water-related challenges, keep updates on global movements to address water challenges and identify modern tools and techniques for managing water resources. The Week starts its first edition this year with the main theme "Water Conservation for Sustainable Development". It will take place under the patronage of H.E. Mr. Abdel Fatah El-Sisi, President of the Arab Republic of Egypt in Cairo during the period from 14-18 October 2018.

The Organizing Committee is pleased to issue this final announcement with updated information related to the event. You are cordially invited to join us at the 1st Cairo Water Week. Your valued participation will, definitely, add value to the event and guide it to successfully reach its goals and achieve its objective

MAIN THEMES:

The Main theme of the 1st Cairo Water Week “Water Conservation for Sustainable Development”, is fielded in five sub themes PS 1 to PS 5. Each sub theme will compile a number of sub-topics, addressed and presented through various sessions by reputed international and regional organizations, presenting state-of-the-art approaches and methodologies.

The following details of the five sub theme shall provide the thematic outline and participation will be in more than 30 technical and special sessions possible:

THEME 1: WATER MANAGEMENT FOR SUSTAINABLE DEVELOPMENT

The UN 2030 Agenda for Sustainable Development is now shaping the global development discourse and is increasingly determining development goals in all countries. Water takes its role as the very core of sustainable development. Therefore, Goal 6 of the 2030 Agenda is dedicated to water and sanitation, but in practise it expands the MDG focus to cover the entire water cycle, including management of water, wastewater and ecosystem resources.

Egypt's 2030 Sustainable Development Agenda focuses on water as a key factor for future development given the constraints and challenges that water scarcity impose.

This theme is focusing on innovative solutions in managing water in different sectors in more efficient and productive ways. The expected outcomes for this sub theme will include:

- Presentation of innovative solutions for more efficient and productive management in all sectors
- Shared study cases and success stories of good water management
- Good examples of integrated water management schemes that account for the water demand and supply as well as land and the environment
- New approaches on Water-Food-Energy nexus with the aim to produce more from less and more crop per drop per kilowatt per unit area
- New approaches of using and properly managing the non-conventional water resources

THEME 2: CLIMATE CHANGE AND ENVIRONMENT

Climate change has significant impact on water resources, human health and wellbeing, wild life, ecosystem services, food security and on the environment in general. Extreme events such as floods and droughts become significant risks on societies. Extreme forms of climate have different implications: Too much water could lead to flood and loss of human lives and migration. Too little water could lead to famine, hunger, illness, fires, loss of wild life and habitat, national and international conflicts. Water resources, whether surface or ground water, are rainfall dependent. Rainfall varies in frequency, intensity and duration in a changing climate. Climate change could lead to more frequent rainfall events with different intensities and durations. Temperature, radiation and wind speed are also elements of climate and are also subject to change. Sea water rise caused by climate change has significant impact on coastal landscape and vegetation as well as groundwater quality. The expected outcomes of this sub theme are:

- Highlighting the impact of climate change on ecosystem services and environment
- Assessing the impact of climate change on water resources availability, quantity and quality.
- Sharing examples of good water management practices to mitigate climate change impact
- Presenting study cases and success stories on management of extreme climate change events including floods and droughts
- New approaches of integrated water and crop management to cope with climate change
- Uncertainty in climate change and future predictions of water resources availability

THEME 3: TRANSBOUNDARY WATER GOVERNANCE AND BENEFIT SHARING

PS3: Transboundary Water Governance and Benefit Sharing

Transboundary basins, including rivers, lakes and aquifers, shared between two or more countries, are home to more than 70% of the world's population and supply water for about 60% of global food production. Around 276 river basins cross the political boundaries of two or more countries, and about 40% of the world's population lives in river and lake basins that cross international borders. Globally, about 2 billion people depend on groundwater, which includes over 300 transboundary aquifer systems. Cooperation over shared water resources is essential for climate change adaptation, regional stability and economic growth. It could create new opportunities for riparian states to sustainably develop their common water resources and assist decision-makers and practitioners to reduce conflict, and increase economic development. Despite that, about two-thirds of the world's transboundary rivers do not have any cooperative management framework.

The expected outcomes of this theme shall include:

- Highlighting the governance challenges associated with transboundary cooperation with respect to climate adaptation and water scarcity
- Presenting possible solutions to promote cooperation and prevent conflicts
- Sharing innovative thinking and tools applied to promote transboundary cooperation to enhance water security for all.
- Reporting success stories for transboundary water cooperation.
- Assessing the different benefits of transboundary cooperation

THEME 4: WATER SCARCITY, HEALTH, SANITATION CHALLENGES AND OPPORTUNITIES.

Drinking water and sanitation are basic human rights. Lack of adequate water and sanitation services cause grave health concerns and pollute agricultural lands and water resources as well as contamination of aquifers. Water scarcity poses dramatic threats to the livelihoods of many people, particularly in rural and poor communities while lacking water and sanitation services. Fund mobilization to achieve the SDGs entail high investment needs and growing costs to maintain, develop and expand water and sanitation services to all citizens. Cost-effectiveness analysis can reveal the health, political and environmental benefits of providing improved water and sanitation.

The sub themes expected outcome shall include new knowledge and approaches on the following aspects:

- Drinking-water quality guidelines and regulations
- Water safety planning
- Water supply management
- Water treatment and safe storage
- Recreational waters
- Sanitation, hygiene and wastewater facilities and management
- Drinking-water, sanitation and hygiene monitoring
- Investments, economics and environmental protection.

THEME 5: SCIENCE, TECHNOLOGY AND INNOVATION

Science and technology are vehicles to achieve effective progress in development. Innovations in water development and management open new horizons and bring new opportunities for coping to water scarcity, sharing and exchanging knowledge and information, ideally resulting in an increased social and economic value of water.

The sub theme's expected outcomes include:

- Innovative solutions to minimize leaks in the water distribution network
- New technologies for improving water use efficiency and productivity
- Modern irrigation systems that are more efficient and minimize losses by evaporation or wind
- Water abstraction using solar, wind energy and other non- conventional energy sources
- Drones technology for better management of water and crops
- Remote sensing applications
- Precision agriculture and irrigation using sensors
- Automated irrigation systems
- New and non-conventional approaches for rain water harvesting and artificial ground water recharge

TECHNICAL SESSIONS / SPECIAL SESSIONS

(PS1): Water Management for Sustainable Development

Hall: (AlQahaira B,C,E,D Ballroom)

Convener (s): Ministry of Water Resources and Irrigation

Water is the world's most precious resource. It is a requirement for life, and for development. No person, family, community, business or society can thrive without access to a sustainable source of reliable, clean water. Water management for sustainable developments is the keystone to better life; Egypt's 2030 sustainable development agenda focuses on water as a key factor for future development given the constraints and challenges that water scarcity could impose. The first plenary session will focus on innovative solutions in managing water in different sectors in more efficient and productive ways by high level officials from different countries as it will tackle the Egyptian strategy for achieving sustainable development goals. The session will also provide an overview of the requirements that should be placed on the training of professionals so that all dimensions of sustainability can be covered and implemented in the real world within the framework of a social discourse. Moreover, it will illustrate the lessons learned and policy implications from the SDG 6 synthesis on water and sanitation, success stories, and new approaches on Water-Food-Energy nexus for more productivity regarding crop per drop per kilowatt per unit area.

Contact person: Dr. Hani Sweliem, sewilam@lfi.rwth-aachen.de





Ministry of Water Resources & Irrigation

(PS2): Climate Change and Environment

Hall: (AlQahaira B,C,E,D Ballroom)

Convener (s): Ministry of Water Resources and Irrigation

Earth's climate has changed many times during the planet's history, with events ranging from ice ages to long periods of warmth. Climate change has major impact on water resources, human health, ecosystem services, and food security. This plenary session will tackle the most important issues on climate change addressed by high level officials in different countries presenting guidelines and strategic plans for the climate change adaptation with water resources. The water resources can be severely impacted by climate changes such as floods and draughts. The session will point out recent hazards, atmospheric events, droughts, lack of water resources, stressed vegetation and the relation to the changing climate through earth observations.

Contact person: [Dr. Aris Georgakakos, arispg@aol.com](mailto:Dr.Aris.Georgakakos.arispg@aol.com)



(TS01): Fostering the Mediterranean Partnership: frameworks, milestones and challenges – Session in Honor of Prof. Atef Hamdy

Hall: (Abdeen Ballroom)

Convener (s): CIHEAM Bari

Co-convener (s): Arab Water Council (AWC)

This session is devoted to the memory of the Emeritus professor of CIHEAM and a pioneer of the Arab Water Council, who has significantly contributed to the scientific cooperation and dialogue in the Mediterranean. By honoring the memory of Professor Hamdy who dedicated his life to bridging the divides, the speakers who accompanied him in his scientific journey, will highlight the milestones of his 35 years spectacular path, by reporting on the latest achievements and trends in the Mediterranean with regard to: Participatory Irrigation Management, Non-Conventional Water Resources Management in Agriculture, and Mainstreaming Gender Dimension in Irrigated Agriculture. This session will provide an open environment to brainstorm for future frames of capacity building and scientific cooperation in the Mediterranean region.

Contact person: [Ms. Roula Khadra, Khadra@iamb.it](mailto:Ms.Roula.Khadra.Khadra@iamb.it)



Arab Water Council

(TS02): Gender Mainstreaming in Integrated Water Resources Management within SDG Framework

Hall: (Qahira B Ballroom)

Convener (s): UNESCO - Regional Bureau for Science for the Arab States, Cairo, Egypt

Co-convener (s): League of Arab States (LAS)

The session will explore, through case studies and discussions, challenges and opportunities in enhancing the participation of women in water-related decision making at various levels in the Arab region. It also explore impact of these challenges on the potential adoption and activation of inclusive and integrated management of water resources, which is one of the targets of SDG6 (Clean water and sanitation). The session will also address, through presentations and panel discussion, the inter-relation between gender mainstreaming in IWRM and other SDG targets including those associated with SDG5 (gender equality). The discussion will focus on identifying formal and informal institutional mechanisms, including the development of specific sectoral indicators to foster an integrated and inter-sectoral approach to gender mainstreaming within SDG framework.

Contact person: [Dr. Bisher Imam, b.imam@unesco.org](mailto:Dr.Bisher.Imam.b.imam@unesco.org)

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Educational, Scientific and
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Cairo-القاهرة



(TS03): Coping with Increased Water Demand for Agriculture in Dry Areas: What does it take?

Hall: (Qahira C Ballroom)

Convener (s): International Center for Agricultural Research in the Dry Areas (ICARDA)

Co-convener (s): International Water Management Institute (IWMI)

Four CGAIR centers – ICARDA, IWMI, WorldFish and IFPRI - join the Cairo Water Week to share insights into cutting-edge science and water management practices that can strengthen agricultural development. The audience will be introduced to new knowledge and technologies and engage in a dialogue on how to best utilize research findings and practices developed on water management in agriculture.

Contact person; [Dr. Atef Swelam, a.swelam@cgiar.org](mailto:a.swelam@cgiar.org)



(TS05): Establishment of a Navigational Line Between Lake Victoria and the Mediterranean Sea (VICMED) project: Progress, way forward and case studies

Hall: (Qahira D,E Ballroom)

Convener (s): Nile Water Sector, MWRI-Egypt

Co-convener (s): River Transport Authority- Ministry of Transport-Egypt

The session aims to promote for VICMED project with the presence of development partners, donors and all the stakeholders from foot print countries and to seek for resource mobilization for the feasibility phase 2 (FS2). In addition, it would present VICMED project progress to date to raise awareness on the project.

The lessons learnt from different transboundary river basins in which Inland Water Navigation succeed in fostering cooperation; benefit sharing and economic integration among riparian countries will be presented during the session.

Contact person: [Dr. Tahani Sileet, tsileet@yahoo.com](mailto:tsileet@yahoo.com)



(TS21): Water Management for Sustainable Development

Hall: (AlQalaa Ballroom)

Convener (s): Ministry of Water Resources and Irrigation (MWRI)

Water is a sensitive and fundamental resource that acts as cause for life on earth. It is, therefore, essential to acknowledge the importance of water resources and the ecosystem services that they provide and natural ecosystems' reliance on water. For these reasons, water takes its role as the very core of sustainable development. The UN 2030 Agenda for Sustainable Development is now shaping the global development discourse and is increasingly determining development goals in all countries. Goal 6 of the 2030 Agenda is dedicated to water and sanitation but it expands the MDG focus to cover the entire water cycle, including management of water, wastewater and ecosystem resources. Five speakers with distinguished background and experience will present innovative solutions, lessons learned and new approaches in managing water in more efficient and productive ways that achieve sustainability. The Water-Energy-Food Nexus approach is essential to assess the sustainability and appropriateness of interventions in water resources management.

In this session, short presentations will be made to give enough time for questions and answers to ensure interaction between speakers and audience.

Contact person: [Dr. Safwat Abdeldaem, safwat_eid@hotmail.com](mailto:safwat_eid@hotmail.com)





United Nations
Educational, Scientific and
Cultural Organization



World Water
Assessment Programme

(SS04): Wastewater: The Untapped Resource. Launch of the Arabic edition of the United Nations World Water Development Report 2017

Hall: (Qahira B Ballroom)

Convener (s): UNESCO World Water Assessment Programme

Co-convener (s): Sultan Bin Abdulaziz Al-Saud Foundation, League of Arab States, UNESCO Regional Bureau for Sciences for the Arab States

The session will present the main findings of the United Nations World Water Development Report 2017, entitled "Wastewater: The Untapped Resource". Produced by UNESCO World Water Assessment Programme in close collaboration with UN-Water, the Report reflects the state of knowledge accrued by 70 members and partners of UN-Water family. The Arabic edition that will be launched on this occasion is made possible thanks to the generous contribution of the Sultan Bin Abdulaziz Al-Saud Foundation - Kingdom of Saudi Arabia. The speeches, keynote presentation and the panel discussion will focus on the importance of managing wastewater as an undervalued and sustainable source of water, energy, nutrients and other recoverable by-products, rather than something to be disposed of. The session will feature real-life examples from different regions of the world and within Egypt.

Contact person: [Dr Engin Koncagul, e.koncagul@unesco.org](mailto:e.koncagul@unesco.org),

[Dr Bisher Imam, b.imam@unesco.org](mailto:b.imam@unesco.org)



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(TS32): Precision Agriculture

Hall: (Al QalaaBallroom)

Convener (s): Ministry of Water Resources and Irrigation (MWRI)

Digital technologies are disrupting the agriculture sector, enabling farmer to be more precise, efficient and helps them to improve productivity and sustainability, while remaining competitive. Nevertheless, there are a number of challenges to be addressed in order to have a reliable scenario in farming practices and production chain.

The session aims to Show interesting approaches for digital agriculture in order to empower the sector with a number of multiple integrated technologies (packed in intelligent decision support modules if possible) that at any moment and any time can be easily updated. Talks should present and discuss different networks and modules focused on independent tailored services that can be integrated and can be seen as scalable in data resource-volume and processing capacity.

Contact person: [Dr. Hesham El-Askary, elaskary@chapman.edu](mailto:elaskary@chapman.edu)





(TS33): The Role of Farmers for Improved On-farm Irrigation management - Saving Water and Improving Livelihoods

Hall: (Qahira D,E Ballroom)

Convener (s): On-Farm Irrigation Improvement Projects' Management Unit, PMU (Ministry of Agriculture and Land Reclamation, MALR)

Co-convener (s): Egyptian-German Water Management Reform Programme, WMRP (Gesellschaft für Internationale Zusammenarbeit, GIZ)

Covering the last mile of irrigation through the improvement of on-farm irrigation infrastructure has the potential to significantly reduce water losses, when complemented by technical capacity building measures for farmers with regards to operation & maintenance. In this session a film will be shown on on-farm irrigation improvement, followed by inputs and statements that highlights the role of smallholder farmers to achieve Egypt's water management goals and how they can be supported through the extension services, specifically through Farmer Field Schools, to make decisions that will improve their income and at the same time lead to water saving.

Contact person: [Eng. Kirsten Nyman, kirsten.nyman@giz.de](mailto:kirsten.nyman@giz.de).

(TS23): Water Management for Sustainable Development

Hall: (Maadi Ballroom)

Convener (s): Ministry of Water Resources and Irrigation (MWRI)

Authors will hold discussions with attendees who are circulating among the poster boards. Many authors find it helpful to present a brief introduction to answer the obvious questions and allow the remainder of the time for more in-depth discussions. The Session will cover topics related to the title of the theme.

Contact person: [CWW Organizing Committee, info@cairowaterweek.org](mailto:info@cairowaterweek.org)



(TS07): Strengthen Community Resilience to Achieve Sustainable Development in the Arab Region

Hall: (Abdeen Ballroom)

Convener (s): Arab Network for Environment and Development (RAED)

Co-convener (s): League of Arab States (LAS), Egyptian Sustainable Development Forum (ESDF)

The scope of the session is to advocate for community-based resilience against the climate change impacts on the Arab region -especially on sectors such as water and food security- and to propose methodologies and solutions for concerned stakeholders. The session will be in the form of interactive PowerPoint presentations, concluding with an open discussion. Overview: Starting with highlighting the challenges and concluding with potential solutions and available opportunities.

Contact person [Ms. Ghada Ahmadein, info@raednetwork.org](mailto:info@raednetwork.org)





(TS36): Non-Conventional Water Resources in Egypt: Desalination Challenges & the Way Forward

Hall: (Qahira C Ballroom)

Convener (s): African Development Bank (AfDB)

Co-convener (s): Holding Company for Water and Wastewater (HCWW)



Latest available information on the non-conventional water resources briefly and desalination challenges, potential and development strategy will be presented. Two international experts will share their experience and knowledge mainly in technology and institutional frame works and reforms. Influential Egyptian stakeholders/experts will share their experience and ideas. The audience/participants will be encouraged to take an active part in sharing ideas and raising questions. The session findings and attendance contribution aim to influence the way forward for the use of desalination in Egypt

Contact person: [Dr. Yasser Elwan, y.elwan@afdb.org](mailto:y.elwan@afdb.org).

(TS24): Climate Change and Environment

Hall: (Al Qalaa Ballroom)

Convener (s): Ministry of Water Resources and Irrigation (MWRI)



The session will address the climate changes topics and will elaborate on the vulnerability assessment strategies and informative adaptation policies in socio-economic sectors especially at the Arab region. These policies can help in assessing the projected impacts of climate change on freshwater resources in the Arab region as well as examine the implications of these impacts on socioeconomic and environmental vulnerability. Moreover, it will focus on many aspects regarding water scarcity and food production especially in developing countries, and sea level rise. The seminars will emphasize on the water storage techniques to cope up with the impacts of wide seasonal variations and increasing rates of evapotranspiration in all types of ecosystems. In addition, nature based solutions to adapt with sea level rise in the Nile delta, will be presented with detailed description to be replicated in any similar area.

Contact person: [Dr. Bayoumi Attia, attia.bayoumi@gmail.com](mailto:attia.bayoumi@gmail.com)



(TS25): Climate Change and Environment

Hall: (Maadi Ballroom)

Convener (s): Ministry of Water Resources and Irrigation (MWRI)



Authors will hold discussions with attendees who are circulating among the poster boards. Many authors find it helpful to present a brief introduction to answer the obvious questions and allow the remainder of the time for more in-depth discussions. The Session will cover topics related to the title of the theme.

Contact person: [CWW Organizing Committee, info@cairowaterweek.org](mailto:info@cairowaterweek.org)



(PS3): Transboundary Water Governance and Benefit Sharing

Hall: (AlQahaira B,C,E,D Ballroom)

Convener (s): Ministry of Water Resources and Irrigation

Transboundary water management can represent an illustration and a way of communicating to share the natural resources. Major differences between countries in socio-economic development, water-use objectives, management capacity and political approach can make the effective management of transboundary waters, even more challenging. But, if transboundary river basins are strategically managed, it can be a source of cooperation and welfare. The session will discuss how populations in different countries are intrinsically linked by transboundary basins and aquifers, making them interdependent, not just hydrologically but also economically and socially, because transboundary waters are used for a range of livelihood activities. Moreover it will present the success stories and the main basics for benefit sharing and transboundary water governance that can be the corner stone for cooperation between bordering jurisdictions, resolve disputes, and improve sustainable management and governance of water.

Contact person: [Dr. Hesham Bekhiet, heshambm@hotmail.com](mailto:Dr.Hesham.Bekhiet_heshambm@hotmail.com).



(TS08): Solar Powered Irrigation: Benefits and Risks

Hall: (Alf liela we lila B,C Ballroom)

Convener: FAO, GIZ, League of Arab States and MWRI-Egypt

The session analyses the opportunities and challenges of solar technologies in agriculture as well as the tools to support climate smart development. It aims at understanding of the links between water, energy and food supply and the role of solar technologies and illustrating trade-offs and risks related to solar irrigation and ways to assess them. The session will be concluded with an illustration of a toolbox developed by FAO and GIZ that can support sustainable development of solar pumping.

A copy of the toolbox with the FAO report on The Benefits and Risks of Solar Powered Irrigation - a global overview will be distributed to the participants during the session.

Contact person: [Dr.Pasquale Steduto, Pasquale.Steduto@fao.org](mailto:Dr.Pasquale.Steduto_Pasquale.Steduto@fao.org)



(TS11) Water Challenges in Egypt: Engineering Education and Outreach Requirements

Hall: (AlQahira D.E Ballroom)

Convener (s): Cairo University and MWRI

This panel discussion is devoted to delineating the main challenges in the water sector that necessitate special preparation of the engineering professionals and those issues requiring the awareness of all stakeholders. The main objectives of the session are: i) discussing the role of engineering education as an essential component in an effective water resources management, ii) finding the required changes in the current curriculum of the university engineering programs, iii) outlining success stories in upgrading existing educational programs that prepare fresh graduates to tackle water related challenges and meet the market requirements, and iv). coming up with the needed university inputs to raise the public awareness of alarming water challenges and related sustainability issues in Egypt.

Contact person: [Dr. Abdallah Bazaraa, abdallah.bazaraa@gmail.com](mailto:Dr.Abdallah.Bazaraa_abdallah.bazaraa@gmail.com)





(TS26): Transboundary Water Governance and Benefit Sharing

Hall: (Al Qalaa Ballroom)

Convener (s): Ministry of Water Resources and Irrigation (MWRI)

Transboundary water governance has the powerful potential to facilitate cooperation between bordering jurisdictions, resolve disputes, and improve sustainable management and governance of water. The technical session will address the key elements that can present the essential base for transboundary water management focusing on Hydro-Mentality/ Hydro-Emotionality over the Nile basin giving a new analytical framework. The answer to the question “How emotion affects the processes and outcomes of hydro-political relations in the Eastern Nile River Basin?” will be presented in the seminars. Moreover, the session will emphasize on land-water-food nexus opportunities and risks in Sudan within the larger context of the Nile basin. Also, It will address the potential of these investments to achieve economic and regional integration as well as agricultural development under the larger discourses of Arab food security, and Nile basin resources development.

Contact person: [Dr. Alaa ElZawahry, alaa.zawahry@gmail.com](mailto:Dr.Alaa.ElZawahry_alaa.zawahry@gmail.com).

(TS13): Water Conservation in Building

Hall: (Abdeen Ballroom)

Convener (s): SWIM-H2020 SM (Water Demand Management NKE)

The technical session “Water Conservation in Buildings” focuses on multiple options and technologies for introducing water conservation in buildings and increasing water use efficiency in Egypt. The aim of this training is to increase the knowledge and technical capacity of the participants on water conservation issues in different types of buildings (residential, hotels, commercial, etc.) and options (both technical and management practices) to reduce water consumption and introduce water savings.

Contact person: [Dr. Maggie Kossida, maggie@ldksa.gr](mailto:Dr.Maggie.Kossida_maggie@ldksa.gr).

(TS09): Water Energy and Food Nexus

Hall: (AlQahira D,E Ballroom)

Convener (s): Heliopolis University in Cairo (HU)

Co-convener (s): Ministry of Water Resources and Irrigation

The session will involve two main topics deeply rooted and serving the WEF nexuses, which are: research funded projects and implemented pilot projects.

Moreover, the different ministries involved in the WEF nexus will highlight the challenges and planned strategies followed by the detailed presentation of the successful projects linking the WEF with their success stories.

Contact person: [Dr. Rasha Elkholy, rasha.elkholy@hu.edu.eg](mailto:Dr.Rasha.Elkholy_rasha.elkholy@hu.edu.eg).





(TS10): Building a Smart Water Future: Count and Account for Water

Hall: (Alf liela we liela B.C Ballroom)

Convener: FAO

Co-conveners: League of Arab States (LAS), MWRI, IHE Delft Institute for Water Education (IHE-Delft), EU water STARS (Sector Technical Assistance and Reforms Support), International Water Management Institute (IWMI), ICID.

Water accounting is an essential step of the water sector reform. It represents a fundamental decision support tool to strategic planning, to guide investments, and to policy and regulatory review and development for sustainable water resources management. Efforts are ongoing in the NENA region to pilot and establish international standards and scientifically sound water accounting systems tailored to countries realities and based on the advancement in space technology and ground measurements.

After first defining and reviewing the many advantages of water accounting, including the benefits it brings in planning and sustainable development, the session will provide some examples of water-accounting applications from within and outside the region. The panelists will finally provide their experience, expectations and challenges encountered in implementing water accounting, including the case of Egypt establishing a Water Accounting Unit.

Contact person: [Dr.Pasquale Steduto, pasquale.steduto@fao.org](mailto:Dr.Pasquale Steduto_pasquale.steduto@fao.org),
[Dr.Ines DeLaVara, Ines.DeLaVara@fao.org](mailto:Dr.Ines DeLaVara_Ines.DeLaVara@fao.org)

(TS22): Water Management for Sustainable Development

Hall: (AlQalaa Ballroom)

Convener (s): Ministry of Water Resources and Irrigation (MWRI)

The technical Session will address several topics regarding Water scarcity issues and innovative approaches that can help in mitigating the scarcity of water. The seminars will present pioneering solutions to reproduce clean water out of contaminated water such as the implementation of biodegradable flotation agents for creating a sustainable flotation process which will result in removal of fluorinated surfactant based on the flotation process. Moreover, other solutions such as sea water desalination in the coastal areas as well as treatment and desalination of fresh and brackish groundwater in Non-Costal areas will be presented in the seminars.

Contact person: [Dr. Hussien ElAtfy, hielatfy@arabwatercouncil.org](mailto:Dr.Hussien ElAtfy_hielatfy@arabwatercouncil.org)





(TS12): More Food and Better Life per Water Drop – Saving, Efficiency and Productivity of Water for Sustainable Agriculture

Hall: (Alf liela we liela B,C Ballroom)

Convener: FAO

Co-conveners: League of Arab States (LAS), MALR, MWRI, University of Cordoba (UCO), International Water Management Institute (IWMI).



UNIVERSIDAD DE CORDOBA



Agriculture is a vital economic and social sector contributing 14% of the gross domestic products and providing jobs and incomes for 38% of the economically active population. However, it is the largest water user, and food demand calls for more intensification of agriculture, which often requires more water. Uncertainties over rainfall and climate increase even further this dependence while other sectors are also demanding more water. Increasing saving, efficiency and productivity of water for sustainable agriculture is imperative.

The session will first provide an overview of the elements of the debate around water saving, efficiency and productivity in agriculture, clarifying the misunderstanding and consequences of equating efficiency to saving. Afterward, it will focus on optimizing water productivity for farming and for society. The debate will be centered on how to reach a compromise that maximizes the return of a limited supply of water, considering all competing needs of different water users and sectors.

Contact person: Dr.Pasquale Steduto, pasquale.steduto@fao.org,

Dr.Ines DeLaVara, Ines.DeLaVara@fao.org.



(TS27): Water Scarcity, Health, Sanitation Challenges and Opportunities

Hall: (Maadi Ballroom)

Convener (s): Ministry of Water Resources and Irrigation (MWRI)

Authors will hold discussions with attendees who are circulating among the poster boards. Many authors find it helpful to present a brief introduction to answer the obvious questions and allow the remainder of the time for more in-depth discussions. The Session will cover topics related to the title of the theme.

Contact person: CWW Organizing Committee, info@cairowaterweek.org



(PS4): Water Scarcity, Health, Sanitation Challenges and Opportunities

Hall: (AlQahaira B,C,E,D Ballroom)

Convener (s): Ministry of Water Resources and Irrigation

Water is a scarce resource. Water scarcity, poor water quality and inadequate sanitation negatively impact food security, livelihood choices and educational opportunities for poor families across the world. At the current time,(according to UN) more than 2 billion people are living with the risk of reduced access to freshwater resources and by 2050, at least one in four people is likely to live in a country affected by chronic or recurring shortages of fresh water. This session will tackle important topics regarding water scarcity and its direct relation to health and sanitation discussing major challenges and promoted solutions to develop and expand water and sanitation services to all citizens. The session will also present success stories that can be replicated with cost-effectiveness analysis regarding the health, political and environmental benefits of providing improved water and sanitation.

Contact person: Dr.Pasquale Steduto, pasquale.steduto@fao.org.



(TS14): Drought Management in the MENA Region: Progress and Policy Insights

Hall: (AlQahira B Ballroom)

Convener (s): International Center for Biosaline Agriculture (ICBA)

Co-convener (s): Food and Agricultural Organization (FAO)



Droughts in 2015 and 2016 in the Middle East-North Africa (MENA) have once again brought losses of life, and millions of dollars of economic devastation. Managing the impacts of drought is complex with challenges ranging from the provision of disaster relief, to responsibilities and governance across agencies to financing activities. Whilst monitoring and early warning systems are possible they require a sometimes difficult marriage between a) earth observation and dynamic modeling and b) user communities at both policy and field levels.

This session will present progress and insight from the USAID -funded MENA Regional Drought management System project in the critical areas of Drought monitoring, Drought Vulnerability and Impact assessment, Possibilities from drought policy including drought risk insurance

With predicted increases in drought in the MENA region, affecting major water resource systems and crop production areas, it is important that the challenges and possibilities are explored to support water and food security initiatives.

Contact person: Dr. Rachael McDonnell, r.mcdonnell@biosaline.org.ae.



(TS15): Capacity Building for Sustainable Development: Innovation, Sharing and Partnerships

Hall: (Heliopolis Ballroom)

Convener (s): Nile Basin Capacity Building Network (NBCBN)

Co-convener (s): IHE-Delft, CapNET-UNDP, ITC-Utwente



This session aims at presenting an update on the different innovative tools and programmes for capacity development, with focus on success stories and case studies from the Nile basin and other regions. The session is expected to provide an opportunity to learn about some of the existing untraditional capacity building initiatives, knowledge sharing platforms and partnerships supporting capacity development. Discussions and recommendations on key ingredients for sustainable capacity building programmes will be an important component of this session.

Contact person: Dr. Amal Azab, a_azab@nbcbn.net.



(TS16): Opportunities for Sludge Management in Egypt

Hall: (Abdeen Ballroom)

Convener (s): Mott MacDonald

Generating value from wastewater sludge: a discussion of international best practice and the latest Egyptian pilot schemes. Followed by a presentation on the need for faecal sludge management (FSM), a discussion on the benefits vs traditional conventional sewerage, focusing on cost and public health, and demonstrated using best practice examples from around the world. The session aims to convey the benefits of a comprehensive sludge management system in achieving the sustainable development goals and unlocking the public health benefits of improved sanitation.

Contact person: Mr Harold Hoiting, harold.hoiting@mottmac.com.



(TS28): Water Scarcity, Health, Sanitation Challenges and Opportunities

Hall: (AlQalaa Ballroom)

Convener (s): Ministry of Water Resources and Irrigation

The technical Session will address several topics regarding Water scarcity issues and innovative approaches that can help in overcoming the scarcity of water. The seminars will present pioneering solutions to reproduce clean water out of contaminated water such as the implementation of biodegradable flotation agents for creating a sustainable flotation process which will result removal of fluorinated surfactant based on the flotation process. In addition other solutions such as sea water desalination in the coastal governorates as well as treatment and desalination of fresh and brackish groundwater in Non-Costal Governorates will be presented in the seminars.

Contact person: Dr. Karima Attia, karima_attia@yahoo.com

(TS18): Developing Shared Waters for Economic Prosperity in The Nile Basin – Scientific Knowledge and Media Views

Hall: (Abdeen Ballroom)

Convener (s): SIWI

In this session we will discuss the economic opportunities surrounding regional water development of water resources in the Nile basin and the importance of science-media interaction to assure a well-informed public. Three presentations by leading water management experts in Ethiopia, Sudan and Egypt will provide a science-based perspective on water for regional socio-economic development focusing on a) water for food production; b) water for energy; and c) reduction of water hazards for health and environment. The presentations will be followed by a panel discussion led by two top media representatives focusing on how important information on regional development can be communicated to a wider audience in an effective manner.

Contact person [Dr. Kevin Wheeler. kevin.wheeler@ouce.ox.ac.uk](mailto:kevin.wheeler@ouce.ox.ac.uk)

(TS38): Interdisciplinary Scientific Insights of the Water Sector

Hall: (Heliopolis Ballroom)

Convener (s): Academy of Scientific Research and Technology (ASRT).



The session will present the multi- and interdisciplinary studies, roadmaps and solutions approaches that were addressed within the Specialized Scientific Councils of the ASRT. All outcomes of SSCs are based on solid Scientific Research Results, Knowledge and cover Water Resources, Usage, Management and Solutions for Water Scarcity. The main objective is to address messages to top-level positions in Government and Civil Society to mainstream the scientific knowledge in strategic planning and decision-making. The session will include 7-9 experts from the Water, Energy, Agriculture and Food, Environment and other sectors who will elaborate on the contribution of science in addressing the water challenges in Egypt.

Contact person [Dr. Mona El Tobgui, supscicouncils@gmail.com,](mailto:supscicouncils@gmail.com)
[aml-83@live.com.](mailto:aml-83@live.com)

(TS34): Water Management in Agriculture Sector under Scarcity Condition and Global Heating

Hall: (AlQalaa Ballroom).

Convener (s): Ministry of Water Resources and Irrigation



The technical Session will address several topics regarding surface water challenges focusing on the diversity of resources and environmental characteristics of each of the Mediterranean Sea, the Red Sea and the coastal regions suffering from severe and increasing pressure. In addition it will focus on the most effective techniques that can make the best use of the available water and protection techniques that can save water and examples for water reuse, also by other ways of generating usable water such as desalination of salty water. The solution can only be applicable by right polices which can be drawn from the seminar of “Water Policies in developing countries Challenges and solution” that will represent a case study.

Contact person: [Dr Nader Noureldini, nadernour@hotmail.com](mailto:nadernour@hotmail.com)





(SE08): Wastewater Reuse in the MENA Region: Addressing the Challenges

Hall: (Heliopolis Ballroom)

Convener (s): International Water Management Institute (IWMI)

The session would formally launch the Wastewater Reuse in the MENA Region: Addressing the Challenges project funded by SIDA with case studies in Egypt, Lebanon and Jordan. The expected outputs of the session are: Formally launching the project with key partners and uptakes, Raise the awareness of the project between governments, international organizations and academia, Allow opportunity for identifying contributors and up takers

Contact person [Dr Amgad Elmahdi, a.elmahdi@cgiar.org](mailto:Dr.Amgad.Elmahdi@cgiar.org).



(TS37): Research and Innovation Towards Egypt's Sustainable Water Resources Management (More than 40 years in applied research)

Hall: (Abdeen Ballroom)

Convener (s): National Water Research Center, NWRC

This session is a technical session designed for presenting the National Water Research Center (NWRC) profile as a leading water research establishment, not only at the national level but also at the regional level (Nile Basin and Arab Region). In 1978, it was established with a mandate of producing scientific knowledge needed by policy makers, public and private sectors. To cover the entire spectrum of water sciences NWRC was formed of twelve research institutes.

Contact person: [Dr. Mostafa Gawish, moustafagaweesh@yahoo.com](mailto:Dr.Mostafa.Gawish@moustafagaweesh@yahoo.com).



(PS5): Science, Technology and Innovation

Hall: (AlQahaira B,C,E,D Ballroom)

Convener (s): Ministry of Water Resources and Irrigation

Science, technology, and innovation are the core of the modern life, which can be used for effective progress in sustainable development. Innovations in water science and management can open new horizons and bring new opportunities. The session will stress on several topics that can transform ideas and skills into strategy driven by the leaders of water and sanitation authorities to anticipate the future. Moreover it will illustrate the modeling benefits in river basin management by eWater source models. Space-based observations for improved global water security and sustainability will be highlighted by usage of recent advances resulted from satellite, airborne, and ground-based sensor networks. These applications can be used to measure the quantity and quality of hydrologic, provide information to water managers to improve water resources management, and support risk-based decision-making.

Contact person: Dr. Ragab Ragab, rag@ceh.ac.uk



(TS19): Best Practices by Farmers for Water Conservation

Hall: (Heliopolis Ballroom)

Convener (s): Ministry of Water Resources and Irrigation, MWRI

Under the auspices of the Minister of Water Resources and Irrigation and in cooperation with the European Union, the ministry has launched the National Competition for Water Conservation. The competition's objective is to support the strategic national efforts and initiatives to protect and conserve water resources.

The competition is conducted among three of the most important target groups (farmers, Youth, and Journalists) who can play a key role in achieving such objective. Farmers' completion aims to encourage the positive and best practices of farmers through water user associations to conserve water in quantity and quality. The competition is open to all water user associations in all governorates of the Republic.

Contact person: Ms. Ramona Antwan, ramonacanaan@d-venture.com



(TS20): Best Graduation Projects from Universities

Hall: (Abdeen Ballroom)

Convener (s): Ministry of Water Resources and Irrigation

This session is a part of the Best Graduation Projects competition that was held under the umbrella of Cairo Water Week. All graduation projects, of the academic year 2017/2018, from Governmental and Private Universities were encouraged to apply if their projects fall under the areas of the competition.

The Scientific Committee of the Cairo Water Week has selected the best three projects and the winners will present their work during this session

Contact person: Dr. Aly ElBahrawy, alyelbahrawy@yahoo.com



(TS30): Science Technology and Innovation

Hall: (AQalaa Ballroom)

Convener (s): Ministry of Water Resources and Irrigation, MWRI

The session will address topics regarding the use of GIS techniques in water management in decision support system for water resources management in Egypt taking into consideration many scenarios to reach sustainable sources of water through crop pattern change, domestic water consumption and industrial usage strategies. Moreover it will present several GIS techniques in flash flood control such as crisis management and assessment tools. The presented applications will provide an overview of approaches and practical actions to manage disaster risks associated with flash floods, monitoring flood control artificial structures statues and its adequacy to contain expected flash flood event. Monitoring of drainage water by telemetry tools composed of various water quality sensors will be presented. These techniques represent an advanced technique carried out by the Egyptian public authority for drainage for monitoring and management purposes. In addition, the session will present techniques for surface water harvesting to clarify the capabilities of surface water exploitation with detection of the best sites for cistern construction sampled in valleys near Gulf of Aqaba, Egypt.

Contact person: [Dr. Khlaed Abdelhay, khaledua@hotmail.com](mailto:Dr.KhlaedAbdelhay,khaledua@hotmail.com).



(TS31): Science, Technology and Innovation

Hall: (Maadi Ballroom)

Convener (s): Ministry of Water Resources and Irrigation (MWRI)

Authors will hold discussions with attendees who are circulating among the poster boards. Many authors find it helpful to present a brief introduction to answer the obvious questions and allow the remainder of the time for more in-depth discussions. The Session will cover topics related to the title of the theme.

Contact person: CWW Organizing Committee, info@cairowaterweek.org



HIGH LEVEL EVENTS



(HLE01): The 4th Session of the Islamic Conference of OIC Ministers Responsible for Water – Senior Officials Meeting

14th – 16th of October 2018

Hall: (Alf liela we lila A, B,C Ballroom) Senior Official Meeting (Closed Meeting)

Convener (s): Organization of Islamic Cooperation (OIC)

Date: 14th October 2018

Under the umbrella of the Organization of Islamic Cooperation (OIC), consisting of 57 countries, the 4th Islamic Conference of Ministers Responsible for Water will be held during 14-16 October 2018 in Cairo, Egypt.

The 4th ICMW conference main theme “steps on the road” aims to assess the needs for capacity building of the member states. It will also identify the lead water institutes in member states and how they could contribute to capacity building.

The senior officials of the Member States will meet on 14th October 2018 to discuss the implementation plan and steps taken so far. The meeting will also review the documents to be adopted by the ministerial conference to be held on 15th October 2018.

Date: 15th October 2018

Under the umbrella of the Organization of Islamic Cooperation (OIC), consisting of 57 countries, the 4th Islamic Conference of Ministers Responsible for Water will be held during 14-16 October 2018 in Cairo, Egypt.

The 4th ICMW conference main theme “steps on the road” aims to assess the needs for capacity building of the member states. It will also identify the lead water institutes in member states and how they could contribute to capacity building.

The Ministerial Meeting will provide an opportunity to the participating delegations to make country statements and held discussion on key water-related challenges before adopting the Implementation Plan of the OIC Water Vision and recommendations for effective implementation.

Date: 16th October 2018

Field Visit (OIC members only)

Contact person: [Dr. Khaled Toubar, k_toubar@hotmail.com](mailto:Dr.KhaledToubar,k_toubar@hotmail.com).



(HLE02): The 3rd Delta Coalition Ministerial Conference

15th – 17th of October 2018

Hall: (Heliopolis Ballroom),(Closed Meeting).

Convener (s): Delta Coalition

The Delta Coalition (DC) is the world's first international coalition of governments that have established a partnership to deal with integrated management and sustainable development of the Deltas. It is the outcome of the event on "Building an International Coalition for Integrated Delta Management and Resilience" which was co-hosted by the Netherlands, Colombia and Japan during the 3rd World Conference on Disaster Risk Reduction (WCDDRR). Egypt is the third and current Chair of the Delta Coalition until the third ministerial conference that will be held in Cairo, Egypt during the CWW in October 2018.

The Coalition comprises 13 countries including Argentina, Bangladesh, Colombia, Egypt, France, Indonesia, Japan, Mozambique, Myanmar, the Netherlands, The Philippines, South-Korea and Vietnam.

The Third Ministerial Conference and Working Group Meeting of the Delta Coalition will be held on 15-17 October, 2018. The Delta Coalition Working Group Meeting will be organized on October 15, the Ministerial Conference will be organized on October 16 and a relevant field visit will be organized on October 17.

The Delta Coalition Ministerial Conference and Working Group Meeting will cover a number of themes such as Integrated Coastal Zone Management, Financing Climate Change Adaptation Projects and Climate Resilient Deltas. During the conference, the Delta Coalition Chairmanship will be handed over from Egypt (the current chair) to Japan (the next chair).

Contact person: [Dr. Walid Hakiki, walidhakiki@yahoo.com](mailto:walidhakiki@yahoo.com)

SIDE AND BACK-TO-BACK EVENTS:



(SE01): SWIM H2020 SM Project Country Meeting – Egypt

16th of October 2018

Hall: (Abdeen Ballroom)

Convener (s): SWIM and Horizon 2020 Support Mechanism

Co-convener (s): Delegation of the European Union to the Arab Republic of Egypt; Ministry of Water Resources and Irrigation; Ministry of Environment/Egyptian Environmental Affairs Agency

The SWIM-H2020 Support Mechanism, funded by the European Union, aims to contribute to a sustainable use of scarce water resources in the Mediterranean Region with emphasis on the countries of North Africa and the Middle East. It is the continuation and merging of two successful previous EU-funded service contracts, Horizon 2020 Capacity Building/Mediterranean Environment Programme (H2020 CB/MEP) (2009-2014) and the Sustainable Water Integrated Management Support Mechanism (SWIM SM) (2010-2015).

Several activities have taken place in Egypt under SWIM-H2020 SM directly addressing challenges the country is facing and opportunities that have emerged. With the valuable contribution of Egyptian stakeholders and the harmonized collaboration with other regional actors and projects active in Egypt, a coordinated and satisfactory progress has been achieved so far. Furthermore, Egypt has fully benefitted by the opportunities offered in the regional component of the project, participating in the on-site trainings, study tours, and several Peer-to-Peer exchanges.

The Side Event will offer the opportunity to stakeholders working on sustainable water management and environmental protection in Egypt with positive impact on the Mediterranean, to also inform the participants of their status and how complementarity and interlinkages are in place. Emerging country needs to be considered for future programming and planning will also be suggested by the meeting

Contact person [Ms. Evie Litou, eli@ldk.gr](mailto:eli@ldk.gr)



Union for the Mediterranean
Union pour la Méditerranée
الإتحاد من أجل المتوسط

(SE02): Meeting of the WASH Task Force of the UfM Water Agenda

16th of October 2018

Hall: (AlQahira B Ballroom), (By invitation).

Convener (s): Union for the Mediterranean Secretariat (UfMS)

Co-convener (s): IME

The Union for the Mediterranean's (UfM) Water Agenda is an instrument to contribute to the Global development agenda and to achieve universal water and sanitation coverage for all and to consider the economic value and water economies in general terms toward achieving a sustainable services and stable utility modules in the region aiming to enable private sector engagement and development of investment opportunities and building capacities for development of bankable projects.

To achieve such equation innovation and invention is needed and thus new technologies is needed or to create a sustainable mechanism to speed up their transfer and implementation. Addressing this at regional level in the UFM will enable the member state to build capacities in this sector and exchange knowledge at policy and operational level by creating a sustainable platform among water utilities and water operators and integrate these element on the national development Plans.

Contact person [Ms. Jenny Gilbert, jenny.gilbert@ufmsecretariat.org](mailto:jenny.gilbert@ufmsecretariat.org).



(SE03): EU-EGYPT Water Business Forum

17th of October 2018

Hall: (Alf Lila we Lila A,B Hotel), (by invitation)

Convener (s): EU delegation in Egypt

The event shall include representatives from the Private sector representatives, European Development Partners, International Development Partners, Arab Financial Institutions, GoE officials and key figures from the water sector with the aim to determine water's key role in achieving sustainable economic growth and to how to best meet with increasing demands and scarce resources. Finally, a presentation on the new European Investment Plan (EIP) and the new European Fund for Sustainable Development (EFSD) guarantee scheme shall be presented. The event shall be dedicated to private sector, local and regional investors, industry representatives. Two themes shall be discussed on that day the first: localization of industry and creation of international-local joint ventures, and the second: Supporting Public Private Partnerships in the water sector. Topics were selected to address current shortcomings/issues facing infrastructure projects in the water sector in Egypt. Issues related to "insufficient local contractors / consultants capacities to operate such level of investments", and "lack of interest from international" to engage in these investments worth looking at, and addressing. Also, the water sector in Egypt is undergoing a transitional phase with several structural reforms and increased interest for Private sector participation; Yet, very little PPP (or other similar schemes) are successful in Egypt. This requires a strategic and direct discussion with the private sector, investors, and international Financing Institutions to discuss the required means to cover the financial gap, key challenges in financial, legal, and institutional terms, means to support Public-Private sector Partnership in the water sector, and the required actions to create an enabling environment to foster local and international partnerships.

Contact person [Eng. Ayman Ayad, ayman.AYAD@eeas.europa.eu](mailto:ayman.AYAD@eeas.europa.eu).



(SE04): EU-EGYPT Water Dialogue

18th of October 2018

Hall: (Alf Lila we Lila A,B Hotel),(by invitation).

Convener (s): EU delegation in Egypt

The event shall aim at creating a policy dialogue platform to discuss key strategic issues in the water sector and how to best tackle them (Cost recovery, integrated investment planning, decentralization, localization of industries). Also, the role of development partners in supporting sector sustainability and reform shall be addressed. Finally, a presentation on the European Water Framework Directives shall be made. For the Event, it shall be dedicated to the European, international and Arab development partners. Two themes shall be discussed on that day, the first: Water Sector Overview, the second: Sustainability and role of Development Partners in the water sector.

The water sector is getting more and more interest from both local and international stakeholders. Water scarcity is indeed a Global Challenge; this is particularly true in Egypt, which is among the world's most water-scarce countries. This compels us more to draw together a common approach in order to face the challenges posed by water resource management and more precisely, the related modes and frameworks of governance. The water sector is indeed, a top priority for the EU and European Financing Institutions, this topic is – and will remain – one of our main pillars of intervention. The Government of Egypt is actively pursuing ambitious plans for implement national programmes in the water sector. As an Example, according to the recent National Water Resources Plan of Egypt NWRP 2017-2037 the estimated required investments in the water sector reach up to 900 Billion EGP for the upcoming 20 years (4 five years development plans), including 200 Billion EGP for rural sanitation out of a total 600 Billion for infrastructure. Therefore, effective donor coordination, and harmonization ,while ensure sufficient ownership at government level (through integrated investment planning and effective Modernization of the Water Sector in Egypt) is an absolute must in order to achieve the required targets as stated in the national strategies. Finally, as the sector is undergoing a transitional stage moving gradually to “demand oriented” and “cost recovering” while languishing from extravagating water scarcity; which requires a policy dialogue platform to discuss key strategic issues in the water sector and how to best tackle them (Cost recovery, integrated investment planning, decentralization, localization of industries), while showcasing (whenever possible) best EU showcases and lesson learnt.

Contact person: [Eng. Ayman Ayad, ayman.AYAD@eeas.europa.eu](mailto:ayman.AYAD@eeas.europa.eu)



(SE05): African Young Water Professionals Forum

14th – 16th of October 2018

Hall: (Steigenberger Hotel), (Closed Meeting)

Convener (s): ICID

Co-convener (s): African Regional Working Group of ICID & ENCID

The African Regional Working Group (AFRWG) of International Commission on Irrigation and Drainage (ICID), which is currently chaired by Egypt, would like to seize the occasion of the Cairo Water Week to establish the African Young Water Professional Forum (Af-YWPF) and to organize its first meeting during the week.

The three-days workshop for the African Young Water Professionals will include the declaration of the establishment of Af-YWP Forum, which aims at building the capacity of young professionals and a new generation of water leaders to be capable of facing the future water challenges.

The Af-YWP will be held on 14-16 October, 2018, the opening session and the first training workshop will be organized on October 14, and the 4th training workshop and closing session will be organized on October 16.

Contact person Dr. Mohamed A. Shehata, mswahba@hotmail.com.

(SE06): KIDS HUB

16th – 18th of October 2018

Hall: (Steigenberger Hotel)

Convener (s): Ministry of Water Resources and Irrigation, UNESCO Cairo office, Arab Water Academy Ministry of Culture, Ministry of Youth & Sports and Ministry of Education.

Preceding from the general theme of the 1st Cairo Water Week, “water conservation for sustainable development”, the Ministry of Water Resources and Irrigation launches an event entitled “Kids Hub” in cooperation with UNESCO Cairo office, Arab Water Academy, Ministry of Culture, Ministry of Youth & Sports and Ministry of Education. The event aims to raise the children awareness on water conservation issues. Many activities related to water conservation will take place on the margin of the forum: a literary workshop, painting activities and puppet shows. Children from different governorates all over Egypt will participate in this event.

Contact person CWW Organizing Committee, info@cairowaterweek.eg.





(SE07): 4th Steering Committee Meeting for Establishment of a Navigational Line Between Lake Victoria and the Mediterranean Sea (VICMED) Project.

16th - 17th of October 2018

Hall: (Steigenberger Hotel), (by invitation)

Convener (s): Nile Water Sector, MWRI-Egypt

Co-convener (s): River Transport Authority- Ministry of Transport-Egypt

The 4th Steering Committee Meeting of the “Establishment of the Navigational Line Between lake Victoria and the Mediterranean sea” Project (VICMED) which will be held on Tuesday 16th October and Wednesday 17th October 2018 to discuss the draft final report of the study “ The institutional, Legal, and Regulatory Framework and Training Needs Assessment” and the project’s way forward.

The first day will start by an opening Session where HE the Minister of Transport and HE the Minister of Water Resources and Irrigation of Egypt will participate. High representatives from NEPAD (Dr. John Tambi) , COMESA (Mr. Baptiste Mutabazi) and from the African Union Commission for infrastructure (Dr. Amani Abu Zeid) are invited to give opening remarks and to participate in the meeting. Dr. Tahani Sileet, Director of Pmu will present the “Progress of Vicmed Project.

Contact person: [Dr. Tahani Sileet, tsileet@yahoo.com](mailto:Dr.TahaniSileet@yahoo.com).



(BtB01): Back-to-Back: National training on the World Water Assessment Report 2017 (Wastewater: The Untapped Resource)

10th – 11th of October 2018

Hall: (UNESCO Cairo Office), Back-to-Back (by invitation)

Convener: UNESCO Cairo Office and WWAP

Training Content:

DAY 1

Welcome and introduction

1. CHAPTER 1: Water resources availability and trends at the global and regional level
2. CHAPTER 2: Technical Aspects of Wastewater
3. CHAPTER 3: URBAN WASTEWATER
4. CHAPTER 4: INDUSTRIAL WASTEWATER

DAY 2

5. CHAPTER 5: AGRICULTURE
6. CHAPTER 6: EXAMPLES FROM REGIONS (with specific emphasis on ARAB REGION)
7. CHAPTER 7: MANAGEMENT, CAPACITY DEVELOPMENT, LEGAL/INSTITUTIONAL FRAMEWORKS, 2030 AGENDA

Open Discussion

Handing out the certificates

Closure

Contact person: [Dr Bisher Imam, b.imam@unesco.org](mailto:Dr.BisherImam@unesco.org)

COMPETITIONS AND GRANTS



1. Best Graduation projects

All graduation projects by Governmental and Private Universities of the academic year 2017/2018 were encouraged to apply, if their projects fall under the areas of the competition (Irrigation, Hydraulics, Water Management, Coastal Management and Desalination). The invitation was not limited to the Faculties of Engineering; students in other disciplines would apply as well.

The Scientific Committee of the Cairo Water Week has selected the best three projects and the winners will present their work during a special session during the event.



2. EU Competitions (framers, students, journalists)

Under the auspices of the Minister of Water Resources and Irrigation of Egypt, the Ministry of Water Resources and Irrigation in cooperation with the European Union, launches the National Competition for Water Conservation. The competition's objective is to support the strategic national efforts and initiatives to protect and conserve water resources.

The competition is conducted among three of the most important target groups youth, farmers and journalists who can play a key role in achieving such objective.

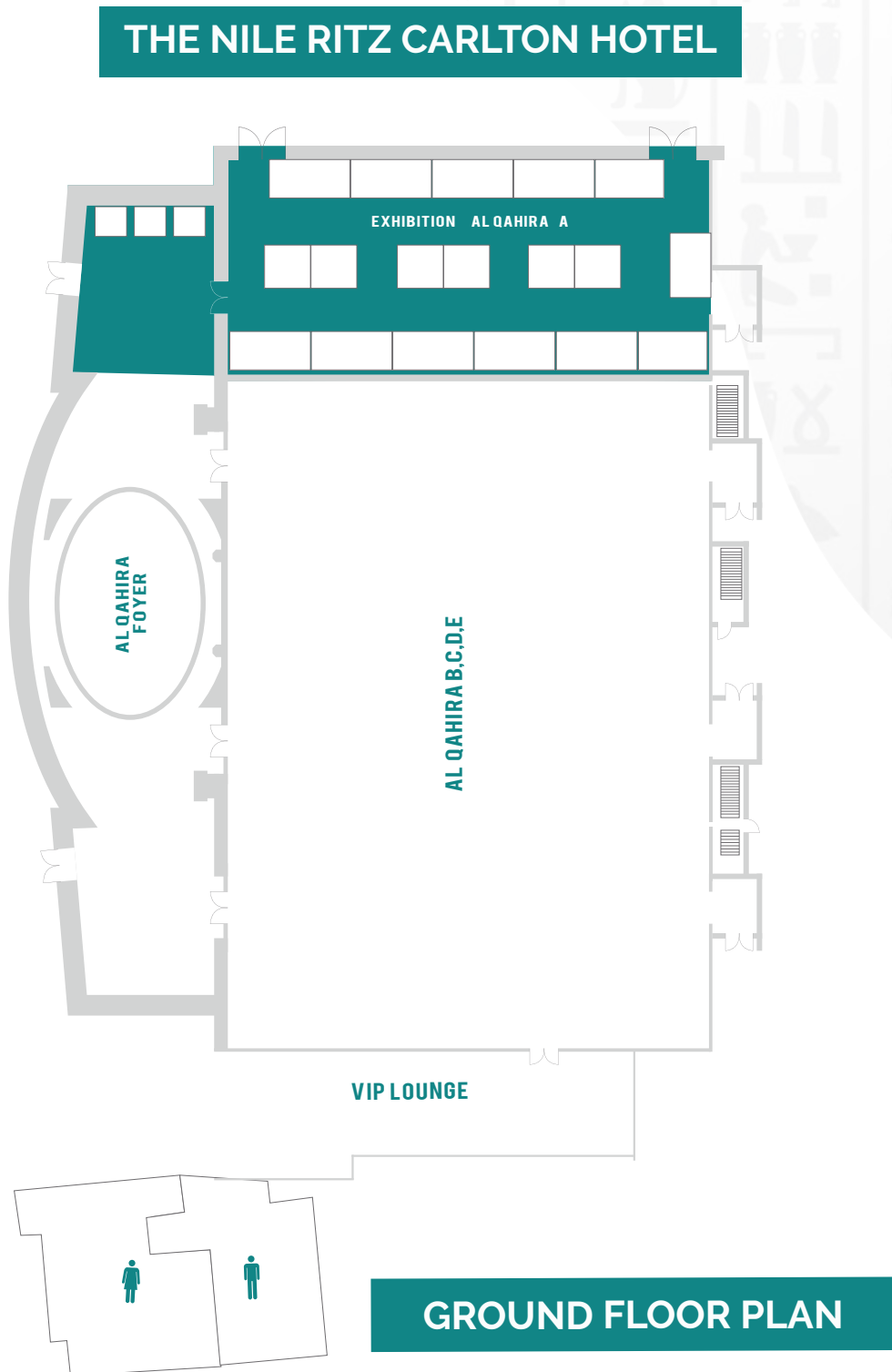


3. Journalists Grant

The Cairo Water Week Journalist Grant aims to raise knowledge and understanding in water-related issues among journalists active in developing countries. The opportunity for creative stories and features is provided while attending the Cairo Water Week and meet the large group of participants. By the Cairo Water Week Journalist Grant, journalists from low-income nations were invited to visit Cairo and report on Cairo Water Week.

CAIRO WATER WEEK EXPO

The First CWW Expo will be organized in parallel with the Cairo Water Week activities during the period from October 14- 18, 2018 at Nile Ritz-Carlton Hotel in Cairo. It will be a unique opportunity for all public and private institutions in the water sector and related businesses & industries to display their activities, programs, and products and generate modern ideas & advanced technology in the water-related such as desalination, renewable energy, and water conservation technology.



REGISTRATION

Registration is required for all participants and accompanying persons. Registration details and on-line registration procedures are available on the CWW website at www.cairowaterweek.eg/register/.

Nōn Egyptian Participants		
Full Registration (for the whole event)	Registration	450 USD
	Youth (under 35)	200 USD
	Groups (5 persons or more)	200 USD / person
One Day Registration	Registration	150 USD
	Youth (under 35)	100 USD
	Groups (5 persons or more)	100 USD / person
Egyptian Participants		
Full Registration (for the whole event)	Registration	3000 L.E.
	Youth (under 35)	1500 L.E.
	Groups (5 persons or more)	1500 L.E. / person
One Day Registration	Registration	1000 L.E.
	Youth (under 35)	500 L.E.
	Groups (5 persons or more)	500 L.E. / person

NB: your registration will be activated as soon as we receive your payment document (a copy of bank transfer or payment receipt). The Registration team will send you a confirmation code after receiving the payment document in order to use it in any needed procedures related to the event.

ACCOMMODATION:

Block reservations are furnished at the Nile Ritz-Carlton Hotel where the event will be conducted. Other options for accommodation preferences in neighbouring hotels are also provided for participants' selection as well. Please note that you will not be able to obtain the special rates unless you mention your registration confirmation code. The confirmation code will be send to you by the registration team as soon as they receive a copy of your payment document. Information on hotel rates is indicated below:

Hotel Name	Rate	Reservation
Nile Ritz-Carlton Hotel the event venue 1113 Corniche El Nil, Cairo, Egypt Phone: +2 02 25778899 Website:www.ritzcarlton.com	1.Single Deluxe City& Museum View 44 Sqm/BB EGP 2,800 or equivalent in USD 2.Single Deluxe Nile View 44 Sqm /BB EGP 3,300or equivalent in USD	For reservation please Contact accommodation@cairowaterweek.eg
Steigenberger Hotel El Tahrir 300 M walking from the Event venue 2 Kasr El Nil St. El Tahrir. Cairo. Egypt P.O. Box 28. Bab El-Khalq. Phone: +20 2 25750777. Fax: +20 2 25744333 Website: www.eltahrir.steigenberger.com	1- Single superior room B/B USD 90 2- Double superior room B/B USD 100	For reservation please Contact reservations.eltahrir@steigenberger.com ahmed.gaby@steigenberger.com
Sheraton Cairo Hotel and Casino (12 minutes .2.5 km) from the event venue)- GalaaSquare, P.O. Box 11511, Giza, Egypt. Phone: +202 33369700 / 800 Fax: +202 3364485 Website:www.sheratoncairo.com	Single Deluxe room B/B USD 150	For reservation, kindly find the below booking link: www.starwoodmeeting.com/Book/CWattende
Ramses Hilton Hotel (7) minutes (1.5 km) from the event venue 1115 Corniche El Nile Cairo 12344 Egypt Phone: +20 2 2577 7444 Fax: +20 2 25757152 Website: www.cairo-ramses.hilton.com	Single superior room B/B USD 90 Double superior room B/B USD 100	For reservation, kindly find the below booking link https://secure3.hilton.com/en_US/hi/reservaticbook.htm?execution=e1s1

VENUE



The event will take place in Nile Ritz-Carlton Hotel, located in the spark of the city, with an amazing panoramic view over the beautiful turquoise Nile River, few steps from the Egyptian Museum, Tahrir Square and Down Town. The Hotel was the venue that welcomed many Hollywood stars, political and business leaders. Hotel address: 1113 Corniche El Nile, Cairo, 11221 For more details about the facilities of the hotel www.ritzcarlton.com

GENERAL INFORMATION

Cairo International airport

Cairo International Airport (code: CIA) is the main international airport of Egypt located in the north-eastern part of Cairo city and about 15 kilometres from the heart of the City's business area; it functions as the main hub for the most Airlines. The venue of the meeting (Nile Ritz-Carlton Hotel) is around 25 kilometres away from Cairo International Airport. It costs approx. EGP125 by taxi from the Cairo International Airport. For more information, please visit: <http://www.cairo-airport.info/>

Local Time

Local time in Cairo is GMT + 2 hours.

Currency and Exchange

The United States dollar is widely accepted. 5,000 Egyptian pounds is the maximum amount of local currency everyone is allowed to bring in or take out of Egypt. There is a limit to the amount of foreign currency that one may bring in and should not exceed US\$ 10,000.

Exchange rate is around 1 USD = 17.91 EGP and 1 EURO = 20.88 EGP.

The most recent exchange rate values may be accessed at the website of the Central Bank of the Arab Republic of Egypt (<http://www.cbe.org.eg>).

Convertible foreign currency can be exchanged at the airport, hotels and exchange oces as well as at all banks in accordance with the daily announced exchange rates at that time. ATMs are found not just in banks, but at supermarkets, shopping malls and on the streets.

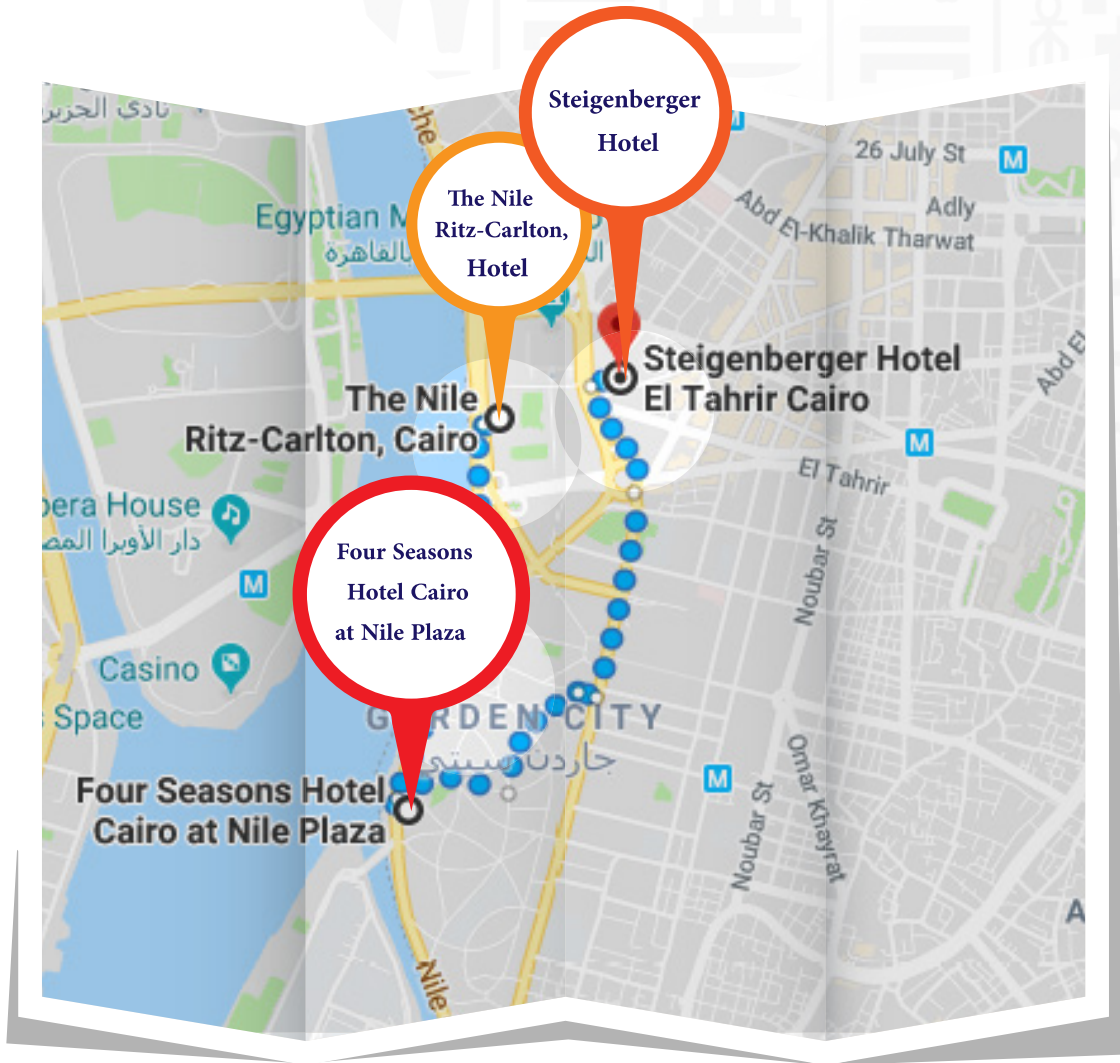
Climate & Clothing

The average temperature in Cairo still reaches a high of 30°C (that is about 86°F) during the day and dip now lower than 18°C (about 64°F) at night.

Excursions



Egyptian Tourism Authority in coordinatation with Cairo Water Week Organizing Committee would organize a trip for the foreign delegations to visit the pyramids. Please check the information desk during the conference for more information For touristic packages, please visit the tourism company booth at the information desk.



CWW 2018

Water Conservation for
Sustainable Development
14-18 October 2018
Cairo Egypt.

TENTATIVE OVERALL PROGRAM

REGISTRATION (8.30 -2.00)

14/10

SUNDAY

- 9.00 - 11 AM
HLE: Senior Official Meeting of 4th ICMW.
- SE 05:** 1Af-Youth Forum.
- 11.00 -11.30 am
Coffee break (Islamic Conference).
- 11.30 AM - 1.00 PM
HLE: Senior Official Meeting of 4th ICMW.
- SE 05:** 1Af-Youth Forum.
- 1.00 - 2.00 PM
Lunch break (Islamic Conference).
- 2.00 - 3.00 PM
Exhibition Opening.
- 4.00-5.00 PM
Official Opening of CWW.
- 5.00-5.30 PM
Coffee break
- 5.30 - 7.30 PM
PS 1: Water Management for Sustainable Development.

REGISTRATION (8.30 -4.00)

15/10

MONDAY

- 9.30 - 11.30 AM
HLE: 4th ICMW.
- HLE:** DC meeting.
- PS 2:** Climate Change and Environment
- SE05:** 1Af-Youth Forum.
- 11.30 AM -12.00 PM
Coffee break
- 12.00 - 1.30 PM
HLE: 4th ICMW.
- HLE:** DC meeting.
- TS01:** Fostering the Mediterranean Partnership: frameworks, milestones and challenges .
- TS02:** Gender Mainstreaming in Integrated Water Resources Management within SDG framework
- TS03:** Coping with increased water demand for agriculture in dry areas: What does it take?.
- TS05:** Establishment of a Navigational Line Between Lake Victoria and the Mediterranean Sea (VICMED) project: Progress, way forward and case studies.
- TS21:** Water Management for Sustainable Development.
- SE 05:** 1Af-Youth Forum.

REGISTRATION (8.30 -4.00)

16/10

TUESDAY

- 9.30 - 11.30 AM
HLE: 4th ICMW.
- HLE:** DC meeting.
- PS 3:** Transboundary Water Governance and Benefit.
- SE05:** 1Af-Youth Forum.
- SE06:** Kids Hub.
- SE07:** 4th Steering Committee Meeting for Lake Victoria in Central Africa to the Mediterranean Sea (VICMED) Project.
- 11.30 AM -12.00 PM
Coffee break
- 12.00 - 1.30 PM
HLE: 4th ICMW.
- HLE:** DC meeting.
- TS08:** Solar powered irrigation: benefits and risks.
- TS11:** Water Challenges in Egypt: Engineering Education and Outreach Requirements.
- TS13:** Water Conservation in Building.
- TS26:** Transboundary Water Governance and Benefit Sharing.
- SE05:** 1Af-Youth Forum.
- SE06:** Kids Hub.
- SE07:** 4th Steering Committee Meeting for Lake Victoria in Central Africa to the Mediterranean Sea (VICMED) Project.
- 1.30 - 2.30 PM
Lunch break
- 2.30 - 4.00 PM
HLE: 4th ICMW.
- HLE:** DC meeting.
- TS09:** Water Energy and Food Nexus Heliopolis University.
- TS10:** Building a smart water future: count and account for water, FAO.
- TS22:** Water Management for Sustainable Development.
- SE01:** SWIM H2020 SM Project Country Meeting – Egypt (Part 1).
- SE02:** Meeting of the WASH Task Force of the UfM Water Agenda (Part 1).
- SE05:** 1Af-Youth Forum.
- SE07:** 4th Steering Committee Meeting for Lake Victoria in Central Africa to the Mediterranean Sea (VICMED) Project Nile
- 4.00 -4.30 PM
Coffee break
- 4.30 - 6.00 PM
HLE: 4th ICMW.

REGISTRATION (8.30 -4.00)

17/10

WEDNESDAY

- 9.30 - 11.30 AM
PS4: Water Scarcity, Health, Sanitation Challenges and Opportunities.
- SE03:** The 1st EU-EGYPT Water Cooperation Day "Water Business Forum".
- SE06:** Kids Hub.
- SE07:** 4th Steering Committee Meeting for Lake Victoria in Central Africa to the Mediterranean Sea (VICMED) Project.
- 11.30 AM -12.00 PM
Coffee break
- 12.00 - 1.30 PM
TS14: Drought Management in the MENA Region: Progress and Policy Insights
- TS15:** Capacity Building for Sustainable Development: Innovation, Sharing and Partnerships.
- TS16:** Opportunities for Faecal Sludge management in Egypt.
- TS40:** High Level Panel.
- SE03:** The first EU-EGYPT Water Cooperation Day "Water Business Forum".
- SE06:** Kids Hub.
- SE07:** 4th Steering Committee Meeting for Lake Victoria in Central Africa to the Mediterranean Sea (VICMED) Project
- 1.30 - 2.30 PM
Lunch break
- 2.30 - 4.00 PM
TS18: Developing Shared Waters for Economic Prosperity in The Nile Basin – Scientific Knowledge and Media Views.
- TS28:** Water Scarcity, Health, Sanitation Challenges and Opportunities.
- TS38:** Interdisciplinary Scientific Insights of the Water Sector.
- SE03:** The 1st EU-EGYPT Water Cooperation Day "Water Business Forum", EU.
- SE07:** 4th Steering Committee Meeting for Lake Victoria in Central Africa to the Mediterranean Sea (VICMED) Project Nile Water Sector, MWRI.
- 4.00 -4.30 PM
Coffee break
- 4.30 - 6.00 PM
TS34: Water Management in Agriculture Sector under Scarcity Condition and Global Heating.
- TS37:** Research and Innovation Towards Egypt's Sustainable Water Resources Management (More than 40 years in applied research.
- TS39:** Media Role in Raising Awareness on Water Conservation
- SE03:** The first EU-EGYPT Water Cooperation Day "Water Business Forum" EU.
- SE07:** 4th Steering Committee Meeting for Lake Victoria in Central Africa to the Mediterranean Sea (VICMED) Project Nile Water Sector, MWRI.
- SE08:** Wastewater Reuse in the MENA Region: Addressing the Challenges.

- 1.30 - 2.30 PM
Lunch break
- 2.30 - 4.00 PM
HLE: 4th ICMW.
- HLE:** DC meeting.
- Poster Session23:** Water Management for Sustainable Development.
- TS32:** Precision Agriculture.
- TS33:** The Role of Farmers for Improved On-farm Irrigation Management - Saving Water and Improving Livelihoods.
- SS 04:** Wastewater: The Untapped Resource. Launch of the Arabic edition of the United Nations World Water Development Report 2017.
- SE 05:** 1Af-Youth Forum.
- 4.00 -4.30 PM
Coffee break
- 4.30 - 6.00 PM
HLE: 4th ICMW.
- HLE:** DC meeting.
- TS 07:** Strengthen Community Resilience to Achieve Sustainable Development in the Arab Region.
- TS 24:** Climate change and Environment.
- Poster Session 25:** Climate Change and Environment.
- TS36:** Non-Conventional Water Resources in Egypt: Desalination Challenges & the Way Forward.
- SE 05:** 1Af-Youth Forum.

- HLE:** DC meeting.
- TS 12:** More food and better life per water drop – saving, efficiency and productivity of water for sustainable agriculture.
- Poster Session 27:** Transboundary Water Governance and Benefit Sharing.
- SE01:** SWIM H2020 SM Project Country Meeting – Egypt (Part 2).
- SE 02:** Meeting of the WASH Task Force of the UfM Water Agenda (Part 2).
- SE 05:** 1Af-Youth Forum.
- SE 07:** 4th Steering Committee Meeting for Lake Victoria in Central Africa to the Mediterranean Sea (VICMED) Project.

REGISTRATION (8.30 -2.00)

18/10

THURSDAY

- 10.30 AM- 12.30 pM
PS 5: Science, Technology and Innovation.
- SE04:** The 1st EU- EGYPT Water Cooperation Day "Water dialogue Forum", EU .
- SE06:** Kids Hub.
- 1.30 -12.00 PM
Coffee break
- 12.00 - 2.30 PM
TS 19 : Best Practices by Farmers for Water Conservation, MWRI.
- TS20:** Best Graduation Projects from universities, MWRI.
- TS 30:** Science Technology and Innovation
- Poster Session 31:** Nano Technology in water Management.
- SE04:** The 1st EU- EGYPT Water Cooperation Day "Water Dialogue Forum",EU.
- SE06:** Kids Hub.
- 2.30 - 3.00 PM
Coffee break
- 3.00 - 4.30 PM
Closing ceremony
- 4.30 -5.30 PM
Lunch break

- HLE: High Level Event**
- PS: Plenary Session**
- SE: Side Event**
- SS: Special Sessions**
- TS: Technical Session**

Looking forward to seeing you in Cairo
October 2018
Organizing Committee
1st Cairo Water Week
Ministry of Water Resources and Irrigation
Address : 1 Gamal Abd El-Nasser St., Corniche
El-Nile, Imbaba, Giza, Egypt
E-Mail : organization@cairowaterweek.eg
Website: www.cairowaterweek.eg

