

1st Cairo Water Week

Water Conservation for Sustainable Development

14th-18th October 2018, Cairo-Egypt

 www.cairowaterweek.org

  Cairo Water Week





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WELCOME

LETTERS



Prime Minister

Dear Excellences and Friends!

I am delighted to extend my warmest greetings to everyone attending the first Cairo water week (CWW) with its main side events: the high-level ministerial meeting of Organization of Islamic Cooperation and the third ministerial meeting of Delta Collation, which will take place in Cairo, Egypt, 14 -18 October 2018 under the main theme “Water Conservation for Sustainable Development”.

We are at a crucial juncture, facing unprecedented economic, social, or environmental challenges whereas water is fundamental to the hopes and aspirations of all humanity; access to safe drinking water and sanitation is directly linked to the economic, social and human development of all nations and peoples across the globe.

In order to achieve progress in the implementation of the agreed water goals, there is a need for more integration of efforts; I am convinced that CWW will provide an excellent opportunity for all delegates from different parts of the world to share their best practices and enrich the mutual benefit from these diverse experiences and backgrounds.

I am confident that your active participation in the discussions, the plenary sessions, thematic and interactive action panels and consequently in the development of concrete recommendations will contribute in fulfilling the main objective of the week, the implementation of the water conservation for Sustainable Development.

On behalf of the Government of Egypt, Please accept my best wishes for a productive event and a memorable visit to Cairo.

Dr. Mostafa Madbouly
Prime Minister of Egypt



Welcome message by the
Minister of Water Resources
and Irrigation

Dear Excellences, Colleagues and Friends

On behalf of the Ministry of Water Resources and Irrigation, It is my pleasure to welcome you to the forthcoming first Cairo Water Week, which will be held in Cairo on 14 – 18 October 2018.

The main theme of CWW 2018 is “Water Conservation for Sustainable Development” which will be covered through five interrelated topics: Water Management for Sustainable Development; Climate Change and Environment; Transboundary Water Governance and Benefit Sharing; Water Scarcity, Health, Sanitation Challenges and Opportunities; Science, Technology and Innovation.

Nowadays, the Middle East and North Africa is the world’s most water-scarce region and the situation is worsening due to the impacts of climate change.

Egypt, as many other countries in the world, faces serious challenges in terms of water security resulting from the increased water demands. Relying mainly on the Nile River, any unilateral upstream development projects may have adverse socio-economic repercussions. Experiences from around the world demonstrate that countries that have achieved regional water cooperation have prospered together and have avoided the threat of conflict a distant possibility.

Recently, further to the water rationalization programs pursued by the country, Egypt is widely practicing the reuse of drainage water and treated domestic wastewater to fulfill the gap between the resources and demands; besides the adopted policy of increasing the dependency on desalinated seawater in coastal cities. Nevertheless, investment in innovative policies and practices is crucial as research, and technology development and transfer would enable further improvements in water resources management, water use efficiency and crops productivity.

The CWW will provide an excellent platform for sharing knowledge, experiences, technologies and ideas to promote sustainable development through water conservation in different uses, and add benefits for all participants.

Water leaders, experts, and decision makers representing more than 100 countries are going to participate with high-level official delegations to discuss and share their ideas on common arising water problems and issues.

Looking forward to seeing you in CWW and welcoming you in Cairo in October, 2018.

Dr. Mohamed Abd El-Aty
Minister of Water Resources
and Irrigation of Egypt



A message from the organizing committee

Dear Colleagues and Honorable guests,

On behalf of the Organizing Committee, it is my sincere pleasure to welcome you for the first Cairo Water Week which will be organized from 14 to 18 October, 2018 in Cairo, Egypt. The week will highlight the theme “Water Conservation for Sustainable Development”. The schedule will comprise high-level meetings, plenaries and technical sessions that will allow multiple opportunities for in-depth discussions on topics of your interest; in addition, social activities and an exhibition will also take place.

Egypt, a country located in an arid region, where water situation requires concentrated efforts to face the increasing related challenges, initiated this international event with the overall objective to establish a permanent platform, permitting the exchange of experiences and knowledge between official delegations, different groups of stakeholders, and experts involved in the water sector. While addressing regional and international levels results will be realized on the ground in each country.

Egypt is considered one of the most historic countries in the world especially its capital city Cairo; thanks to its location near the Nile River and with its fully equipped venues, enabling it to be a perfect place for accommodating such an event. Cairo is also a vibrant modern society and a hub for tourist activities that contains numerous attractions.

We are convinced, the week’s agenda will foster discussions and inspire participants from a wide array of fields to boost collaborations across different disciplines. Furthermore, we believe the variety of topics in this week will motivate for open discussions and will lead to explore innovative approaches towards water conservation for sustainable development.

The detailed schedule is available on our official website: www.cairowaterweek.org/

I would like to express my sincere thanks to the huge team who have worked hard in the preparation of this event.

Our particular thanks go also to the conveners, exhibitors, keynote and plenary speakers for their keenness to take part in the Week and to all the sponsors for their generosity and interest in the conference. In addition, I owe much gratitude to the national and international scientific committee members for formulating and organizing the technical sessions of the week and for supporting the conference in many direct and indirect means.

We look forward to welcoming you in the first CWW 2018 and wishing you a fruitful and enjoyable time in Cairo.

Dr. Eman Soliman

Head of CWW Organizing Committee

COMMITTEE

MEMBERS

Members of High Steering Committee

H.E. Mohamed Abdel Aty, Minister of Water Resources and Irrigation -Chairman of Cairo Water Week.

Dr Ragab Abdel Azim, Deputy Minister, MWRI.

Dr. Eman Sayed, Head of Planning sector, MWRI.

Dr. Kahled Toubar, Deputy Head of Reservoirs & Grand Barrages Sector, MWRI.

Eng. Tarek ElSayed, Head of Public Egyptian Authority of Survey, MWRI.

Eng Walid Hakiki, Head of the Central Department for studies and design Reservoirs & Grand Barrages Sector, MWRI.

Dr. Mohamed S. Wahba, Chairman Egyptian National Committee on Irrigation and Drainage (ENCID).

Mr. Mohammed Tawfik, UN International Consultant, Water Resources Expert

Dr. Bishr Imam, The Regional Hydrologist for the Arab States and UNESCO's focal point on climate change in the region.

Eng. Amal Gasser, General Manager of Data and information system, Planning Sector MWRI.

Ambassador Raffik, Minister's Advisor, MWRI.

Organizing Committee

Ms. Saher Essmat, General Manager, Public Relations Department, MWRI.

Eng. AboBakr Taha Moustafa, Water Resources Engineer, Nile Forecasting Center, Planning Sector, MWRI.

Dr. Dalia Al-Saiid, External Affairs Specialist, Planning Sector, MWRI.

Eng. Gehad Hassan, Civil Engineer, Water Resources and Hydrology Specialist, Nile Forecasting Center, Planning Sector, MWRI.

Eng. Jane Emad, Civil Engineer, MWRI, Egypt.

Eng. Shady Ahmed Azzam, Software Engineer, Planning Sector, MWRI.

Eng. Dalia Mahmoud Mostafa, Software Engineer, Planning Sector, MWRI.

Eng. Rana El-Banna, Graphic Designer, Central Directorate of Awareness and Water Guidance, MWRI.

Eng. Ahmed Abdel Aziz, Civil Engineer, Minister's Technical office, MWRI.

Ms. Neveen George, Accountant, Technical Office, Planning Sector, MWRI.

Eng. Nariman Abdelrahman Fathelbab, Engineer, Technical Office, Planning Sector, MWRI.

Eng. Mohamed Magdy, Civil Engineer, Planning Sector, MWRI.

Eng. Omima Abdelnasser, Architect Engineer, EU-SATRS project, MWRI.

Mr. Mohamed Salah, Technical Office, Planning Sector, MWRI.

Members of National Scientific Committee

Prof. Dr. Khaled Abdelhay, Chairman of the National Water Research Center, NWRC.

Dr. Alaa AbdelMoteleb, Professor at National Water Research Center, NWRC.

Dr. Karima Mahmoud Attia, Professor at Water Resources Research Institute, NWRC.

Dr. Aly ElBahrawy, Professor of Hydraulics Faculty of Engineering – Ain Shams University.

Dr. Hesham Bekhit, Professor at the department of irrigation and Hydraulics, faculty of Engineering, Cairo University.

Dr. Ayman ElSaadi, Assistant Professor at Drainage Research Institute, NWRC.

Dr. Mohamed Bahgat, Researcher at Hydraulics Research Institute, NWRC.

Dr. Eman Ragab, Researcher at Research Institute for Groundwater, NWRC.

Dr. Islam Sabry, Researcher at Water Resources Research Institute, NWRC.

Members of International Scientific Committee

Dr. Aris P. Georgakakos, Professor at the School of Civil and Environmental Engineering at Georgia Tech and Director of the Georgia Water Resources Institute.

Dr. Harry F. Lins, President, WMO Commission for Hydrology.

Dr. Hammou Laamrani, Senior Advisor to GIZ/ACCWaM Program.

Dr. Hani Sewilam, Academic Director of the Department of Engineering Hydrology and the Managing Director of the UNESCO Chair in Hydrological Changes and Water Resources Management at the RWTH Aachen University in Germany.

Dr. Pasquale Steduto, Chief of the Water Resources, Development and Management Service in (FAO).

Dr. Ragab Ragab, Principal Hydrologist & Water Resources Management Specialist, Centre for Ecology and Hydrology, CEH, UK.

Dr. Stefan Uhlenbrook, full-professor at TU Delft and IHE-Delft Coordinator, United Nations World Water Assessment Programme (WWAP) Director, Programme Office on Global Water Assessment UNESCO.

Dr. Sven Geissen, Head of the Environmental Process Engineering Chair, Department of Environmental Technology, Technical University of Berlin.

Dr. Thomas Grischek, Head of Division of Water Sciences, University of Applied Sciences Dresden, Germany.

Mr. Jean Antoine, FABY Director of the Water for All Chair at ParisTech, backed by AgroParisTech.

OVERVIEW

Challenges at national, regional and international levels faced by Egypt's water sector are similar to those faced by most arid and semi-arid countries around the world. Most of these countries suffer from water scarcity and/or are vulnerable to climate change. Those challenges and others result in increasing water scarcity and threatening water security. In Egypt, due to their geographical position, rivers originate from outside their borders and require additional basin perspective.

Egypt's water resources are the most important pillar for achieving national security. The comprehensive sustainable development plans in all fields are linked to the state's ability to provide the necessary water resources to implement these plans. This leads to a State's decision to organize the "Cairo Water Week".

Cairo "The City of a Thousand Minarets" is the capital of Egypt, one of the largest cities in both Africa and the Middle East. It is also the 19th largest city in the world, was chosen to be the venue of this newly born international event.

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 water stakeholders updated on global movements to address water challenges and identify modern tools and techniques for managing water resources. The first Cairo Water Week will be held in Cairo during the period of 14-18 October 2018 under the patronage of H.E. Mr. Abdel Fatah El-Sisi, President of the Arab Republic of Egypt.

The Week starts its first edition this year prioritizing as main theme "**Water Conservation for Sustainable Development**". Five related sub themes will be addressed during the event. A number of sub-topics will be covered under each sub theme through various sessions that will be organized by reputed international and regional organizations, which have an interest in such topic. The sessions that will cover the main themes and more than 30 technical and special sessions specified as follows:

PSI: Water Management for Sustainable Development

According to UN 2030 Agenda for Sustainable Development, it 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. 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.

This theme is focusing on innovative solutions in managing water in different sectors in more efficient and productive ways. The expected outcomes could 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.

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 have significant impacts on societies. This sub theme will investigate the impacts of climate change on water resources and/or environment. The expected outcomes of this 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.

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 include:

- Highlighting the governance challenges associated with transboundary cooperation with respect to climate adaption 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

PS4: 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 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 themes expected outcome could 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.

PS5: Science, Technology and Innovation

Science and technology are the 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, increasing the social and economic value of water.

The expected outcomes of this theme are:

- 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

Moreover, on the regional dimension the week will host high level events. The week will host the 4th Session of the Islamic Conference of Water Ministers under the umbrella of Organization of Islamic Cooperation (OIC). In addition, the week will host the 3rd Delta Coalition Ministerial Conference. The Delta Coalition, the world's first international coalition of governments, forming a partnership to focus on integrated management and sustainable development of the Deltas. And on the African side, The Cairo Water Week will host the 1st Young Water Professional Forum which will include the declaration of the 1st African Youth Forum (Af-YWPF) under the umbrella of International Commission on Irrigation and Drainage (ICID) as a part of the African Working Group (AFRWG).

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.

The conference official language is English. Instantaneous translation will be available for some sessions in Arabic, and French languages.



PROGRAM

Day 1 - Sunday, 14th October 2018	
Registration (8.30 - 1.30)	
9:30 – 11:00	<p>HLE01 The 4th Session of the Islamic Conference of OIC Ministers Responsible for Water – Senior Officials Meeting Nile Ritz-Carlton Hotel (Alf Lila we Lila Ballroom) Translation (English-Arabic- French)</p>
11:00 -11:30	<p>SE05 African Young Water Professionals Forum. Steigenberger Hotel (Diamond Ballroom) Translation (no)</p>
Coffee break	
11:30 - 1:00	<p>HLE01 The 4th Session of the Islamic Conference of OIC Ministers Responsible for Water – Senior Officials Meeting Nile Ritz-Carlton Hotel (Alf Lila we Lila Ballroom) Translation (English-Arabic- French)</p>
1:00 – 2:00	<p>SE05 African Young Water Professionals Forum. Steigenberger Hotel (Diamond Ballroom) Translation (no)</p>
Lunch break	
2:00 – 3:00	<p>Exhibition Opening Nile Ritz-Carlton Hotel (El-Qahira Ballroom A)</p>
4:00 – 5:00	<p>Official Opening of CWW Four Season hotel (Plaza Ballroom) Translation (English-Arabic- French)</p>
5:00 – 5:30	<p>Coffee break</p>
5:30 – 7:30	<p>PS1 Water Management for Sustainable Development Four Season Hotel (Plaza Ballroom) Translation (English-Arabic- French)</p>
Exhibition (Qahira A Ballroom)	



Day 2 - Monday, 15th October 2018

Registration (8.30 - 4.00)

9.30 – 11.30	HLE01 The 4 th Session of the Islamic Conference of OIC Ministers Responsible for Water – Ministers Meeting Nile Ritz-Carlton Hotel (Aif Lila we Lila) Translation (yes)	HLE02 The 3 rd Delta Coalition Ministerial Conference Nile Ritz-Carlton Hotel (Heliopolis Ballroom) Translation (no)	PS 2 Climate Change and Environment (MWRI) Nile Ritz-Carlton Hotel (El Qahira Ballroom B.C.D) Translation (English-Arabic)			SE05 African Young Water Professionals Forum. (ICID) Steigenberger Hotel (Diamond Ballroom) Translation (no)		
	Coffee break							
11.30 – 12.00	HLE01 The 4 th Session of the Islamic Conference of OIC Ministers Responsible for Water – Ministers Meeting Nile Ritz-Carlton Hotel (Aif Lila we Lila) Translation (yes)	HLE02 The 3 rd Delta Coalition Ministerial Conference Nile Ritz-Carlton Hotel (Heliopolis Ballroom) Translation (no)	TS01 Fostering the Mediterranean Partnership: frameworks, milestones and challenges – Session in Honor of Prof. Atef Hamdy (CIHEAM Bari) Nile Ritz-Carlton Hotel (Abdeen Ballroom) Translation (no)	TS02 Gender Mainstreaming in Integrated Water Resources Management within SDG framework (UNESCO - Cairo Office) Nile Ritz-Carlton Hotel (Qahira B Ballroom) Translation (No)	TS21 Water Management for Sustainable Development (MWRI) Nile Ritz-Carlton Hotel (Al Qalaa Ballroom) Translation (no)	TS03 Coping with increased water demand for agriculture in dry areas: What does it take? (ICARDA) Nile Ritz-Carlton Hotel (Qahira C Ballroom) Translation (no)	TS05 (VICMED) project: Progress, way forward and case studies (MWRI) Nile Ritz-Carlton Hotel (Qahira DE Ballroom) Translation (English-Arabic-French)	SE05 African Young Water Professionals Forum. (ICID) Steigenberger Hotel (Diamond Ballroom) Translation (no)
	Lunch break							
1.30 – 2.30	HLE01 The 4 th Session of the Islamic Conference of OIC Ministers Responsible for Water – Ministers Meeting Nile Ritz-Carlton Hotel (Aif Lila we Lila) Translation (yes)	HLE02 The 3 rd Delta Coalition Ministerial Conference Nile Ritz-Carlton Hotel (Heliopolis Ballroom) Translation (no)	TS04 Wastewater: The Untapped Resource. Launch of the Arabic edition of the United Nations World Water Development Report 2017 (WWAP) Nile Ritz-Carlton Hotel (Qahira B Ballroom) Translation (yes)	TS32 Precision Agriculture (MWRI) Nile Ritz-Carlton Hotel (Al Qalaa Ballroom) Translation (no)	TS33 The role of farmers for improved on-farm irrigation management - saving water and improving livelihoods (GIZ)-(MALR) Nile Ritz-Carlton Hotel (Qahira DE Ballroom) Translation (Yes)	SE05 African Young Water Professionals Forum. (ICID) Steigenberger Hotel (Diamond Ballroom) Translation (no)		
	Coffee break							
4.00 – 4.30	HLE01 The 4 th Session of the Islamic Conference of OIC Ministers Responsible for Water – Ministers Meeting Nile Ritz-Carlton Hotel (Aif Lila we Lila) Translation (yes)	HLE02 The 3 rd Delta Coalition Ministerial Conference Nile Ritz-Carlton Hotel (Heliopolis Ballroom) Translation (no)	TS36 Non-Conventional Water Resources in Egypt: Desalination Challenges & the Way Forward (AFDB) Nile Ritz-Carlton Hotel (Qahira C Ballroom) Translation (Yes)	TS24 Climate Change and Environment (MWRI) Nile Ritz-Carlton Hotel (Al Qala Ballroom) Translation (no)	TS07 Strengthen Community Resilience to Achieve Sustainable Development in the Arab Region (RAED) Nile Ritz-Carlton Hotel (Abdeen Ballroom) Translation (no)	SE05 African Young Water Professionals Forum. (ICID) Steigenberger Hotel (Diamond Ballroom) Translation (no)		

Exhibition (Qahira A Ballroom)

Day 3 - Tuesday, 16th October 2018

Registration (8.30 - 4.00)

<p>HLE01 The 4th Session of the Islamic Conference of OIC Ministers Responsible for Water – Ministers Meeting (Field trips)</p> <p>9.30 – 11.30</p>	<p>HLE02 The 3rd Delta Coalition Ministerial Conference Nile Ritz-Carlton Hotel (Heliopolis Ballroom) Translation (no)</p>	<p>PS 3 Transboundary Water Governance and Benefit Sharing (MWRI) Nile Ritz-Carlton Hotel (El Qahira Ballroom B.C.D.) Translation (English-Arabic)</p>	<p>SE06 Kids' hub (MMWR) UN-UNESCO, Cairo Office-AWA-MoY&S-MoC-MoE) (Field trips)</p>	<p>SE07 4th Steering Committee Meeting for Establishment of a Navigational Line Between Lake Victoria and the Mediterranean Sea (VICMED) Project. (MWRI) Steigenberger Hotel (Diamond A.B.C Ballroom) Translation (yes)</p>	<p>SE05 African Young Water Professionals Forum. (ICID) Steigenberger Hotel (Opal Ballroom) Translation (no)</p>
Coffee break					
<p>HLE01 The 4th Session of the Islamic Conference of OIC Ministers Responsible for Water – Ministers Meeting (Field trips)</p> <p>12.00 – 1.30</p>	<p>HLE02 The 3rd Delta Coalition Ministerial Conference Nile Ritz-Carlton Hotel (Heliopolis Ballroom) Translation (no)</p>	<p>TS08 Solar Powered Irrigation: Benefits and Risks (FAO, GIZ, LoS& MWRI) Nile Ritz-Carlton Hotel (Aif Lila we Lila A.B Ballroom) Translation (yes)</p>	<p>TS26 Transboundary Water Governance and Benefit Sharing (MWRI) (Al Qataa Ballroom) Translation (no)</p>	<p>TS11 Water Challenges in Egypt: Engineering Education and Outreach Requirements (Cairo University & MWRI) Nile Ritz-Carlton Hotel (Qahira D.E Ballroom) Translation (no)</p>	<p>SE05 African Young Water Professionals Forum. (ICID) Steigenberger Hotel (Opal Ballroom) Translation (no)</p>
Lunch break					
<p>HLE01 The 4th Session of the Islamic Conference of OIC Ministers Responsible for Water – Ministers Meeting (Field trips)</p> <p>2.30 – 4.00</p>	<p>HLE02 The 3rd Delta Coalition Ministerial Conference Nile Ritz-Carlton Hotel (Heliopolis Ballroom) Translation (no)</p>	<p>TS10 Building a Smart Water Future: Count and Account for Water (FAO) Nile Ritz-Carlton Hotel (Aif Lila we Lila A.B Ballroom) Translation (yes)</p>	<p>TS22 Water Management for Sustainable Development (MWRI) (Al Qataa Ballroom) Translation (no)</p>	<p>TS09 Water Energy and Food Nexus Heliopolis University (HU) Nile Ritz-Carlton Hotel (Qahira D.E Ballroom) Translation (no)</p>	<p>SE05 African Young Water Professionals Forum. (ICID) Steigenberger Hotel (Opal Ballroom) Translation (no)</p>
Coffee break					
<p>HLE01 The 4th Session of the Islamic Conference of OIC Ministers Responsible for Water – Ministers Meeting (Field trips)</p> <p>4.30 – 6.00</p>	<p>HLE02 The 3rd Delta Coalition Ministerial Conference Nile Ritz-Carlton Hotel (Heliopolis Ballroom) Translation (no)</p>	<p>TS12 More Food and Better Life per Water Drop – Saving, Efficiency and Productivity of Water for Sustainable Agriculture (FAO) Nile Ritz-Carlton Hotel (Aif Lila we Lila A.B Ballroom) Translation (yes)</p>	<p>SE01 SWIM H2020 SM Project Country Meeting – Egypt (Part 2) (SWIM and –Horizon 2020) Nile Ritz-Carlton Hotel (Abdeen Ballroom) Translation (yes)</p>	<p>SE02 Meeting of the WASH Task Force of the UFM Water Agenda (Part 2) (UFMS) Nile Ritz-Carlton Hotel (El Qahira B Ballroom) Translation (no)</p>	<p>SE05 African Young Water Professionals Forum. (ICID) Steigenberger Hotel (Opal Ballroom) Translation (no)</p>

Day 4 - Wednesday, 17th October 2018

Registration (8.30 - 4.00)

	HILE02 The 3 rd Delta Coalition Ministerial Conference Nile Ritz-Carlton Hotel (Field trips)	SE03 EU-EGYPT Water Business Forum (EU delegation in Egypt) Nile Ritz-Carlton Hotel (El Qahira Ballroom B) Translation (Yes)	PS 4 Water Scarcity, Health, Sanitation Challenges and Opportunities Nile Ritz-Carlton Hotel (MWRI) (El Qahira Ballroom C/D/E) Translation (English-Arabic)	SE06 Kids hub (MWRL/UNESCO Cairo Office-AWA-MOY/8S-MoC- MoE) Steigenberger Hotel (Opal Ballroom)	SE07 4 th Steering Committee Meeting for Establishment of a Navigational Line Between Lake Victoria and the Mediterranean Sea (VICMED) Project. (MWRI) Steigenberger Hotel (Diamond A,B,C Ballroom) Translation (yes)	SE09 Fine Arts Gallery Nile Ritz-Carlton Hotel (AF Lila We Lila C Ballroom)
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11.30 - 12.00

Coffee break

	HILE02 The 3 rd Delta Coalition Ministerial Conference Nile Ritz-Carlton Hotel (Field trips)	SE03 EU-EGYPT Water Business Forum (EU delegation in Egypt) Nile Ritz-Carlton Hotel (El Qahira Ballroom B) Translation (Yes)	TS14 Drought Management in the MENA Region: Progress and Policy Insights (ICBA) Nile Ritz-Carlton Hotel (AF Lila we Lila A,B Ballroom) Translation (yes)	TS15 Capacity Building for Sustainable Development: Innovation, Sharing and Partnerships (INCBN) Nile Ritz-Carlton Hotel (Helopolis Ballroom) Translation (no)	TS40 High Level Panel Nile Ritz-Carlton Hotel (Qahira D/E Ballroom) Translation (No)	SE06 Kids hub (MWRL/UNESCO Cairo Office-AWA-MOY/8S-MoC- MoE) Steigenberger Hotel (Opal Ballroom)	SE07 4 th Steering Committee Meeting for Establishment of a Navigational Line Between Lake Victoria and the Mediterranean Sea (VICMED) Project. (MWRI) Steigenberger Hotel (Diamond A,B,C Ballroom) Translation (yes)	SE09 Fine Arts Gallery Nile Ritz-Carlton Hotel (AF Lila We Lila C Ballroom)
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1.30 - 2.30

Lunch break

	HILE02 The 3 rd Delta Coalition Ministerial Conference Nile Ritz-Carlton Hotel (Field trips)	SE03 EU-EGYPT Water Business Forum (EU delegation in Egypt) Nile Ritz-Carlton Hotel (El Qahira Ballroom B) Translation (Yes)	TS18 Developing Shared Waters for Economic Prosperity in The Nile Basin - Scientific Knowledge and Media Views (SWI) Nile Ritz-Carlton Hotel (Qahira D/E Ballroom) Translation (no)	TS38 Interdisciplinary Scientific Insights of the Water Sector (ASRT) Nile Ritz-Carlton Hotel (Helopolis Ballroom) Translation (no)	TS28 Water Scarcity, Health, Sanitation Challenges and Opportunities (MWRI) Nile Ritz-Carlton Hotel (Al Qala Ballroom) Translation (no)	SE07 4 th Steering Committee Meeting for Establishment of a Navigational Line Between Lake Victoria and the Mediterranean Sea (VICMED) Project. (MWRI) Steigenberger Hotel (Diamond A,B,C Ballroom) Translation (yes)	SE09 Fine Arts Gallery Nile Ritz-Carlton Hotel (AF Lila We Lila C Ballroom)
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4.00 - 4.30

Coffee break

	HILE02 The 3 rd Delta Coalition Ministerial Conference Nile Ritz-Carlton Hotel (Field trips)	SE03 EU-EGYPT Water Business Forum (EU delegation in Egypt) Nile Ritz-Carlton Hotel (El Qahira Ballroom B) Translation (Yes)	TS37 Research and Innovation Towards Egypt's Sustainable Water Resources Management (More than 40 years in applied research) (NWRC) Nile Ritz-Carlton Hotel (Abdeen Ballroom) Translation (No)	TS39 The Role of Media in challenging Water Crisis Nile Ritz-Carlton Hotel (Qahira D/E Ballroom) Translation (No)	SE08 ReWater MENA: More and Safer Water: Reuse in the Middle East and North Africa (IWWI) Nile Ritz-Carlton Hotel (Qahira C Ballroom) Translation (no)	TS 34 Water Management in Agriculture Sector under Scarcity Condition and Global Heating (IWWI) Nile Ritz-Carlton Hotel (AF Lila we Lila B Ballroom) Translation (yes)	SE07 4 th Steering Committee Meeting for Establishment of a Navigational Line Between Lake Victoria and the Mediterranean Sea (VICMED) Project. (MWRI) Steigenberger Hotel (Diamond A,B,C Ballroom) Translation (yes)	SE09 Fine Arts Gallery Nile Ritz-Carlton Hotel (AF Lila We Lila C Ballroom)
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Exhibition (Qahira A Ballroom)

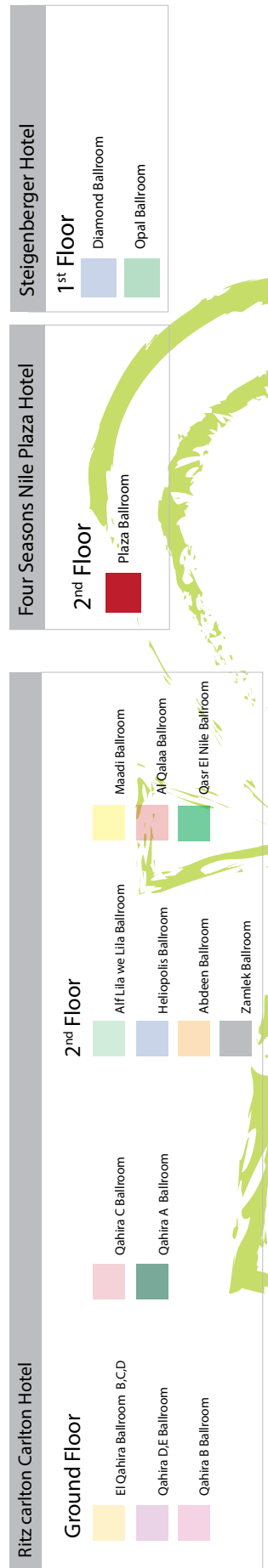
Day 5 - Thursday, 18th October 2018

Registration (8.30 - 2.00)

<p>SE08* EU-EGYPT Cooperation: "Exploring New Frontiers in Water Research and Innovation" Nile Ritz Carlton Hotel (Abdeen Ballroom)</p>	<p>SE04* EU-EGYPT Water Dialogue (EU delegation in Egypt) Nile Ritz-Carlton Hotel (El Qahira B Ballroom) Translation (Yes)</p>	<p>PS 5 Science, Technology and Innovation Nile Ritz-Carlton Hotel (MWRI) (El Qahira Ballroom C,D, and E) Translation (English-Arabic)</p>	<p>SE06 Kids hub Steigenberger Hotel (Emerald & Onyx) (MWR/UNESCO Cairo Office-AWA-MoY&S-MoC-MoE) Steigenberger Hotel (Opal Ballroom)</p>					
<p>10.30 – 12.30</p>	<p>Coffee break</p>							
<p>12.30 - 1.00</p>	<p>SE08* EU-EGYPT Cooperation: "Exploring New Frontiers in Water Research and Innovation" Nile Ritz Carlton Hotel (Abdeen Ballroom)</p>	<p>SE04* EU-EGYPT Water Dialogue (EU delegation in Egypt) Nile Ritz-Carlton Hotel (El Qahira B Ballroom) Translation (Yes)</p>	<p>TS20 Best Graduation Projects from universities (MWRI) Nile Ritz-Carlton Hotel (Maadi Ballroom) Translation (no)</p>	<p>Poster Session 31 Science, Technology and Innovation (MWRI) Nile Ritz- Carlton Hotel (Qasr El Nil Ballroom) Translation (no)</p>	<p>TS19 Best Practices by Farmers for Water Conservation (MWRI) Nile Ritz- Carlton Hotel (Heliopolis Ballroom) Translation (no)</p>	<p>TS30 Science Technology and Innovation (MWRI) Nile Ritz- Carlton Hotel (Al Qala Ballroom) Translation (no)</p>	<p>TS40 Water Project of Steam Schools (MoE) (MWRI) Nile Ritz- Carlton Hotel (Zamiek Ballroom) Translation (no)</p>	<p>SE06 Kids hub Steigenberger Hotel (Emerald & Onyx) (MWR/UNESCO Cairo Office-AWA-MoY&S-MoC-MoE) Steigenberger Hotel (Opal Ballroom)</p>
<p>1.00 - 2.30</p>	<p>Coffee break</p>							
<p>2.30 - 3.00</p>	<p>Coffee break</p>							
<p>3.00 - 4.30</p>	<p>Closing ceremony Nile Ritz- Carlton Hotel (El Qahira Ballroom C,D, and E) Translation (English-Arabic)</p>							
<p>4.30 - 5.30</p>	<p>Lunch</p>							

*This Side Event Will Start at 9.00 am

(PS) Plenary Session (TS) Technical Session (SS) Special Session (SE) Side Event (HLE) High Level Event



OPENING

CEREMONY

14th of October 2018

04:00 PM - 05:00 PM

Four Seasons Hotel - Piazza Ballroom

H.E. Mr. Loïc FAUCHON, Honorary President, World Water Council.

H.E. Mr. Abdessalam OULD AHMED, FAO Assistant Director-General and Regional Representative for the Near East and North Africa, FAO.

H.E. Mr. Ahmed ABLOU GHEIT, the Secretary-General of the League of Arab States.

H.E. Mr. Liu ZHENMIN, the Under-Secretary-General for Economic and Social Affairs, United Nations.

H.E. Dr. Mohamed ABDEL-ATY Minister of Water Resources and Irrigation.

H.E. Dr. Mostafa MADBOULI, Prime Minister of Egypt.

Translation: (English-Arabic-French)

DAY 1 : 14TH OF OCTOBER 2018

PROGRAM

DAY BY DAY

5:30 PM - 7:30 PM

Four Seasons Hotel - Plaza Ballroom

Plenary Session

(PS1): Water Management for Sustainable Development

Convener (s): Ministry of Water Resources and Irrigation

Chairman: **Dr. Hani Sweliem**, Academic Director of the Department of Engineering Hydrology and the Managing Director of the UNESCO Chair in Hydrological Changes and Water Resources Management at the RWTH Aachen University, Germany.

Session Content:

H.E. Dr. Mohamed Abd ElAty, Minister of Water Resources and Irrigation, "Egypt Strategy for Achieving Sustainable Development goals".

H.E. Ms. Amy Khor, Senior Minister of State at Ministry of Environment and Water Resources, Singapore, "Singapore's Journey towards Water Sustainability".

Dr. Heribert Nacken, RWTH Aachen University, Germany, "Sustainable Water Management: Requirements for University Education".

Dr. Stefan Uhlenbrook, WWAP, UNESCO programme, "Lessons learned and Policy Implications from the SDG 6 Synthesis Report on Water and Sanitation".

Dr. Samir Abu Suleiman, Head of On-Farm Irrigation Project Management Unit, Ministry of Agriculture, Egypt.

Ms. Kirsten Nyman, Head of Egyptian-German Water Management Reform Programme (WMRP), "Efficient water Management through Smallholder Farmers with Improved on-farm Irrigation Infrastructure"

Translation: (English-Arabic-French)

09:30 AM - 11:30 AM

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

Plenary Session

(PS2): Climate Change and Environment

Convener (s): Ministry of Water Resources and Irrigation

Chairman: **Dr. Aris Georgakakos**, Professor at Georgia Institute of Technology

Session Content:

H.E. Ms. Yasmin Fouad, Minister of Environmental Affairs, Egypt.

Dr. Harry F. Lins, President, WMO Commission for Hydrology, "Understanding Climate and Water".

Dr. Hesham El Askary, Professor, Director, Computational and Data Science Graduate Programs Schmid College of Science and Technology; Physics, Computational Science and Engineering, "The Changing Spheres and the Future of Global Climate Change".

Dr Claudia Sadoff, Director General, The International Water Management Institute, "Understanding and Responding to Climate and Water Risks in the Middle East and North"

Translation:(English-Arabic/Arabic-English)

12:00 PM - 1:30 PM

Hall: (Abdeen Ballroom)

Technical Session

(TS01): Fostering the Mediterranean Partnership: Frameworks, Milestones and Challenges – Session in Honor of Prof. Atef Hamdy

Convener (s): CIHEAM Bari

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

Chairman: **Prof. Mahmoud Abu Zeid** (President of AWC)

Co-Chair: **Dr. Maurizio Raeli** (Director of CIHEAM Bari)

Session Content:

Dr. Juan Antonio Sagardoy, (Water Management Specialist/ International Consultant)

Dr. Roula Khadra, (Senior Researcher & International Officer in Water Resources Management – CIHEAM Bari)

Topic: Participatory Irrigation Management: The current situation and the challenges in the Mediterranean region

Prof. Redouane Choukrallah (Head of the salinity and plant nutrition laboratory at IAV Hassan II)

Topic: Non-conventional water resources management in the Mediterranean Agriculture: Research spectrum and achievements

Dr. Rosanna Quagliariello (Gender equality and woman empowerment expert – CIHEAM Bari)

Topic: Mainstreaming Gender Dimension in to Water Resources Development and Management in the Mediterranean Region: Challenges and achievements

Translation: (N/A)

12:00 PM - 1:30 PM

Hall: (Qahira B Ballroom)

Technical Session

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

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

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

Chairman: **Dr. Ghaith Fariz**, (Director, Regional Bureau for Science for the Arab States, Cairo, Egypt)

Co-Chair: **Dr. Eman Sayed**, (Head, Planning Sector, Ministry of Water Resources and Irrigation, Egypt).

Session Content:

Moderator:

Dr. Rasha Ramadan, Assistant Professor, University of Cairo (Panel Moderator).

Presenters:

Dr. Bisher Imam, Regional Hydrologist, UNESCO Regional Bureau for Science for the Arab States, Cairo, Egypt.

Presentation Topic: UNESCO Gender Mainstreaming in IWRM Case Studies in the Arab Region and SDG6 Challenges

Dr. Rasha Abou-Elazm, Programme Coordinator, UNWOMEN Egypt.

Presentation Topic: Gender Mainstreaming, SDG framework and Linkages.

Representative of the National Council On Women, Egypt.

Presentation Topic: The Role of the National Council on Women in Supporting Sustainable Development Goals in Egypt.

Dr. Hammou Laamrani, Senior Expert, Economic Sector, League of Arab States,

Presentation Topic: Gender Mainstreaming Activities at the League of Arab States.

Translation: (N/A)

12:00 PM - 1:30 PM

Hall: (Qahira C Ballroom)

Technical Session

(TS03): Coping with increased water demand for agriculture in dry areas: What does it take?

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

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

Chairman: **Dr. Atef Swelam**, ICARDA

Co-Chair: **Dr. Amgad Elmahdi**, IWMI

Session Content:

Opening:

Aly Abousabaa, Director General, ICARDA.

Dr. Theib Oweis, ICARDA

Topic: Science and technology to improve land and water productivity.

Dr. Chandrashekhar Biradar, ICARDA

Topic: The bigger picture: Using Big Data in water management.

Dr. Amgad Elmahdi, IWMI.

Topic: Improving water productivity at system level

Dr. Clemens Breisinger, International Food Policy Research Institute (IFPRI).

Topic: Enabling environment to enhance water productivity across scale.

Dr. Harisson Charo-Karisa, WorldFish.

Topic: Linkage between agriculture-aquaculture food production systems.

Translation: (N/A)

12:00 PM - 1:30 PM

Hall: (Qahira D,E Ballroom)

Technical Session

(TS05): Establishment of a Navigational Line Between Lake Victoria and the Mediterranean Sea (VICMED) Project: Progress, Way forward and Case Studies.

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

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

Chairman: **Dr. Ahmed Bahaa El Din** (Head of the Nile Water Sector-MWRI-Egypt)Co-Chair: **Dr. Abdel Azim Ali** (Head of River Transport Authority- Ministry of Transport-Egypt)**Session Content:**

Presentation of VICMED project background, progress, deliverables and way forward.

Presentation of case studies from different transboundary river basis.

Panel Discussion on lessons learnt from different transboundary river basins in which Inland Water Navigation succeed in fostering cooperation, benefit sharing and economic integration among riparian countries.

Panel discussion on resources mobilization

Speakers:

Dr. Abdel Azim Ali (RTA) and **Dr. Ahmed Bahaa El Din** (NWS), Welcome note and session objectives.

Representatives from VICMED Project Steering Committee members, "Project Objectives, Components, and Expected Benefits".

Dr. Tahani Sileet (PMU), "VICMED project progress".**COMESA: Mr. Baptiste Mutabazi**, AfDB (TBC), "AfDB/COMESA Reflections".**Dr. Mamdouh Hassan**, (PMU), Discussions.**Dr. Abdel Azim Ali**, **Dr. Andre Hage** DT&T, **Dr. Jean Luc Frotte** DT&T, "Experience and Lessons Learnt from Different Transboundary Rivers in IWT Field"**Dr. Nader El-Masry** (PMU), "VICMED – The Way Forward".**Dr. Mamdouh Hassan**, **Mr. Mutabazi**, Discussions.*Translation: (English-Arabic-French)*

12:00 PM - 1:30 PM

Hall: (AlQalaa Ballroom)

Technical Session

(TS21): Water Management for Sustainable Development

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

Chairman: **Dr. Safwat Abdeldaem**, Professor Emeritus, National Water Research Center**Session Content:****Dr. Wouter Wolters**, Senior Water Specialist, "Effects of Possible Future Water Shortages on Water Allocation, Soil Salinity and Crop Production in The Nile Delta of Egypt".**Dr. Hani Sewilam**, Academic Director of the Department of Engineering Hydrology and the Managing Director of the UNESCO Chair in Hydrological Changes and Water Resources Management at the RWTH Aachen University, Germany, "Desalination of Brackish Groundwater in Egypt under The Framework of Water -Energy-Food Nexus".**Dr. Mohamed A Dawoud**, Environment Expert, Abu Dabi, "The Future of Water and Food Nexus in Arab Countries".**Ms. Nisreen Lahham**, GIZ, "Urban Nexus- an Approach for Securing Water, Energy and Food Resources in the Mena Region".**Dr. Rizwan Nawaz**, Sheffield Water University, "Long-Term Projections of Water Demand in London and Thames Valley".*Translation: (N/A)*

02:30 PM - 04:00 PM

Hall: (Qahira B Ballroom)

Special Session

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

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

Chairman: **Dr Ghaith Fariz**, Director, UNESCO Regional Bureau for Science in the Arab States.

Co-Chairs: Representatives of LAS and Sultan Bin Abdulaziz Al-Saud Foundation.

Session Content:

Master of the Ceremony: **Dr Engin Koncagul**, UNESCO WWAP.

Setting the scene - Introduction of UNESCO's role in Egyptian and regional context.

Dr Ghaith Fariz, The Director of UNESCO Regional Bureau for Sciences for the Arab States.

Speech by **H.E. Dr Mohamed Abdel Ati**, Minister of Water Resources and Irrigation.

•Speech by the Director General of Sultan Bin Abdulaziz Al-Saud Foundation (TBC).

Speech by the representative of the League of Arab States (TBC).

Keynote Presentation **Prof Dr Stefan Uhlenbrook**, Coordinator of UNESCO WWAP.

Panelists:

Mr. Pasquale Steduto, Regional Programme Coordinator for the Near East and North Africa, FAO.

Prof. Dr Rifaat Abdel Wahaab. Head Sector, Research & Development, Holding Company for Water & Wastewater.

Eng. Heba Yaken Aref Ahmed , The World Bank. ESCWA (TBC)

Translation: (English-Arabic/Arabic-English)

02:30 PM - 04:00 PM

Hall: (AlQalaa Ballroom)

Technical Session

(TS32): Precision Agriculture

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

Chairman: **Dr. Hesham el Askary**, Professor, Director, Computational and Data Science Graduate Programs Schmid College of Science and Technology

Session Content:

Dr. Hesham el Askary, Professor, Director, Computational and Data Science Graduate Programs Schmid College of Science and Technology, Computational Science and Engineering, "Earth observation-based technology for smart and sustainable water-crop management".

Dr. Gurbachan Singh, Chairman ASRB, New Delhi, Agri,Commissior,Govert,of India, "Biosaline Agriculture: An Alternate to Drainage for Management of Salt Affected Soils"

Ms. Enjy Salah, Marketing Manager EDGE PRO Information, "Periodic Parcels Map ..A Start to Precision Agriculture".

Ms. Wang Shaoli, Department of Irrigation and Drainage, China Institute of Water Conservancy and Hydroelectric Power Research (IWHR), "Status and Controlling Measures of Saline-alkaline Land in China"

Translation: (N/A)

02:30 PM - 04:00 PM

Hall: (Qahira D,E Ballroom)

Technical Session

(TS33): The Role of Farmers for Improved on-Farm Irrigation Management - Saving Water and Improving Livelihoods

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)

Chairman: **Dr. Samier Abo Soliman**, Head of On-Farm PMU (MALR)

Co-Chair: **Eng. Kirsten Nyman**, Head of WMRP (GIZ)

Session Content:

Covering the last mile of irrigation through the improvement of on-farm irrigation infrastructure has the potential to significantly reduce water losses. By complementing it with technical capacity building measures for farmers with regards to operation & maintenance, the long-term sustainability of these investments can be ensured. In this session, a film will be shown on on-farm irrigation improvement, followed by inputs and statements that highlight the role of smallholder farmers to achieve Egypt's water management goals and how they can be supported through the extension services. In this context, the example of Farmer Field Schools will be highlighted as a means to enable farmers to improve their income and at the same time to save water.

Translation: (English-Arabic/Arabic-English)

02:30 PM - 04:00 PM

Hall: (Maadi Ballroom)

Poster Session

(TS23): Water Management for Sustainable Development

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

Session Content:

Eng. Maiada Anwar, Senior Engineer, Egyptian Public Authority For Drainage Projects Ministry of water resources and irrigation. "Water Management For Sustainable Development".

Dr. Nadia Eshra, Associate professor, Nile Research Institute. "Approach to Saving Evaporation and Regulate AHD Power Station Discharge".

Eng. Amr Atawia, Head of Process department at Abu Zabal Fertilizers and Chemicals Company (AZFC). "Design of Integrated Water Network Through Water Regeneration".

Dr. Arshad Amin, Department of Geography and Environmental Studies, Adigrat University, Ethiopia. "Morpho-Tectonic Analysis of Tekeze Watershed in Ethiopia Using Geoinformatics"

Eng. Mohamed Awaad, Water Resources Research Institute. "Optimal Operation of GERD Hydropower under a Thousand Hydro-climatology Traces"

Translation: (N/A)

04:30 PM - 06:00 PM

Hall: (Abdeen Ballroom)

Technical Session

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

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

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

Egyptian Sustainable Development Forum (ESDF)

Chairman: **Dr. Emad Adly**, RAED General Coordinator

Session Content:

Dr. Emad Adly, RAED General Coordinator, "Stakeholders' engagement to achieve climate change resilience, focusing on roles and responsibilities of CSOs"

Dr. Gamal Gaballah, LAS, "Regional Efforts by the League of Arab States through its Ministerial Councils to achieve Sustainable Development"

Dr. Magdy Allam, ESDF Board Member, "Bangar El Sokkar villages and better resilience against climate-induced drought - A case study from Egypt"

Translation: (N/A)

04:30 PM to 06:00 PM

Hall: (Qahira C Ballroom)

Technical Session

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

Convener (s): African Development Bank (AfDB)

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

Chairman: **Ms. Malinne Blomberg**, Country Manager, AfDB

Moderation: **Prof. Dr. Rifaat Abdel Wahaab**, HCWW

Session Content:

Ms. Malinne Blomberg, AfDB-Country Manager, Egypt, "Introductory remarks on scaling-up desalination".

Dr. Fatma El Gohary, National Research Centre, "Non-Conventional Water Resources in Egypt".

Eng. Khaldon Khashman, Chairman, ACUWA, "Non-Conventional Water Resources: Jordan Experience"

Dr. Zohair Al Sarraj, Chairman, Arwadex Group for Desalination, KSA, "Desalination: Institutional Framework - Experience from GCC".

Dr. Mohammad A. Al Fouzan, Desalination Engineering, "KSA Desalination: An economically Viable Solution".

Dr. Mohamed Dawoud, Consultant-AfDB, "Desalination: Sector Analysis and Proposed Development"

Translation: (English-Arabic/Arabic-English)

04:30 PM - 06:00 PM

Hall: (Al Qalaa Ballroom)

Technical Session

(TS24): Climate Change and Environment

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

Chairman: **Dr. Bayoumi Attia**, Former Adviser to H.E. the Minister Water Resources and Irrigation for Cabinet affairs.

Session Content:

Dr. Metwally M. Safei El Den, Desert Research Center ,Geo Environmental Study For Flash Flood Control and Surface Water Harvesting Using GIS, "Remote Sensing and Geophysical Exploration Techniques in Some Valleys, Gulf of Aqaba, Egypt"

Dr. Mohamed A.AM Hassan , Project Manager, Adaptation to Climate Change in the Nile Delta, "Nature Based Solutions to Adapt with Sea Level Rise in the Nile Delta"

Dr. Tarek Sadek ,Water Resources and Climate Change Officer Sustainable Development Policies Division UN Economic and Social Commission for Western Asia (ESCWA), "Climate Change Impact and Vulnerability Assessments and Informing Adaptation Strategies in Socio-economic Sectors in the Arab region"

Mr. Alaa Mabrouk, Nile Forecasting Center, "Impact of Climate Change on Nile Basin and adaptation measures"

Translation: (N/A)

04:30 PM - 06:00 PM

Hall: (Maadi Ballroom)

Poster Session

(TS25): Climate Change and Environment

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

Session Content:

Dr. Moheb Mina Iskander, Head of Hydrodynamic Department, Head of Physical Model Lab., Coastal Research Institute, National Water Research, "Effect of Urbanization and Climate Change on the Environmental Balance within the Coastal Zone"

Dr. Hala Abayazid, Coastal Research Institute, National Water Research Center, "Remote Sensing and Modeling for Water Quality Monitoring in Coastal Lakes"

Dr. Nabil M. Ismai, Prof., Maritime Academy, AASTMT, Alexandria, "Costamarine Technologies, Construction of Coastal Wetlands at Rosetta Lowlands, Egypt"

Eng. Omnia Shalby, Coastal Research institute, National Water Research Center, "Assessment of the Present Situation of Lake Manzala"

Dr. Abeer Abazeed, Assistant Lecturer of Political Science Faculty of Economics and Political Science Cairo University, "Civil Society Involvement in the Nile Basin Initiative"

Translation: (N/A)

09:30 AM - 11:30 AM

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

Plenary Session

(PS3): Transboundary Water Governance and Benefit Sharing

Convener (s): Ministry of Water Resources and Irrigation

Chairman: **Dr. Hesham Bekhiet**, Professor of Hydraulics, Faculty of Engineering, Cairo University

Session Content:

Dr. Aris Georgakakos, Professor, Georgia Water Resources Institute.

Mr. Karel Heijnert, Program Manager River & Coastal Management, Deltares

Dr. Ghaith H. Fariz, Director of UNESCO Regional Bureau for Sciences in the Arab States.

Mr. Arnulfo González, Team Leader, EU WATER STARS Project

Translation: (English-Arabic/Arabic-English)

12:00 PM to 1:30 PM

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

Technical Session

(TS08): Solar Powered Irrigation: Benefits and Risks

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

Chairman: **Pasquale Steduto** (Regional Programmes Coordinator, FAO)

Co-Chairs: **Shahira Wahba** (Chief Natural Resources Sustainability & Partnerships, LAS); **Nisreen Lahham** (Regional Advisor, GIZ); **Aymen Ibrahim** (Sector head of Monitoring Systems & Communication, information and Assets, MWRI Egypt)

Session Content:

Faycel Chenini, Senior Water Expert, FAO

Topic: The Benefits and Risks of Solar Powered Irrigation Systems (SPIS).

Lucie Pluschke, Land and Water Officer, FAO

Topic: FAO-GIZ toolbox on SPIS

Hammou Laamrani, Senior Advisor, LAS

Topic: Solar Powered Irrigation Systems in the Arab Region: Challenges and Opportunities

Panelists:

Shahira Wahbi, Chief Natural Resources Sustainability & Partnerships, LAS.

Nisreen Lahham, Regional Advisor, GIZ.

Ridha Gabbouj, Director General DGGREE, Ministry of Agriculture, Water Resources and Fisheries, Tunisia

Aymen Ibrahim, Sector head of Monitoring Systems & Communication, information and Assets, MWRI Egypt

Translation: (English-Arabic/Arabic-English)

12:00 PM - 1:30 PM

Hall: (Qahira D.E Ballroom)

Technical Session

(TS1) Water Challenges in Egypt: Engineering Education and Outreach Requirements

Convener (s): Cairo University and MWRI

Chairman: **Prof. Ahmed Wagdy**, Cairo University, Faculty of Engineering.**Session Content:**

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. During the session water education programs' opportunities will be discussed among funding organizations and water institutes.

Panel Members:

Prof. Ahmed Wagdy, Cairo University, Faculty of Engineering (Chair)

Prof. Abdallah Bazaraa, Cairo University, Faculty of Engineering (Moderator)

Eng. Mamdouh Raslan, Chairman, Holding Company for Water and Wastewater

Prof. Ismail Abdel-Galill, Former Chairman, Desert Research Institute,

Prof. Khaled Abuzeid, Regional Water Director, CEDARE

Translation: (N/A)

12:00 PM - 1:30 PM

Hall: (Al Qalaa Ballroom)

Technical Session

(TS26): Transboundary Water Governance and Benefit Sharing

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

Chairman: **Dr. Alaa ElZawahry**, Professor, Faculty of Engineering, Cairo University.**Session Content:**

Dr. Khaled M. AbuZeid, Senior Regional Water Resources Director, Centre for Environment & Development for the Arab Region & Europe (CEDARE), "Potential Impacts of the Grand Ethiopian Renaissance Dam On Egypt and Sudan"

Dr. Ramy Lotfy Hanna, Doctoral Researcher, Institute of Development Studies, University of Sussex, "Transnational Investments and the Land-Water-Food Nexus in the Nile Basin: Opportunities and Risks"

Dr. Wondwosen Michago Seide, Lund University, Department of Political Science, "Hydro-Mentality/ Hydro-Emotionality over the Nile: Towards a New Analytical Framework"

Dr. Mina Samman, Doctoral Researcher, Mansoura university, "Benefits and Costs of the Grand Ethiopian Renaissance Dam Across Borders"

Translation: (N/A)

12:00 PM - 1:30 PM

Hall: *(Abdeen Ballroom)*

Technical Session

(TS13): Water Conservation in Building

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

Chair: **Dr. Maggie Kossida**, Water Resources Engineer.

Session Content:

Dr. Maggie Kossida, Water Resources Engineer, SWIM-H2020 SM (Water Demand Management NKE), Training on Water Conservation in Buildings

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

Translation: (English-Arabic/Arabic-English)

02:30 PM - 04:00 PM

Hall: *(Qahira D,E Ballroom)*

Technical Session

(TS09): Water Energy and Food Nexus

Convener (s): Heliopolis University in Cairo (HU)
Co-convener (s): Ministry of Water Resources and Irrigation

Chairman: **Dr. Rasha Elkholy**, Dean of Faculty of Engineering, Heliopolis University

Session Contact:

- HU Welcoming & WEF Nexus, HU President
- Food Security, Representative of Ministry of Agriculture
- Renewable Energy strategy, Representative of NREA
- Research Projects, HU Professors
- Pilot Projects, HU Doctors/Engineers

Translation: (N/A)

02:30 PM - 04:00 PM

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

Technical Session

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

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.

Chairman: **Eman Sayed**, Head of Planning Sector, MWRI

Co-Chair: **Pasquale Steduto**, FAO Regional Program Coordinator for Near East and North Africa

Session Content:

Domitille Vallee, FAO Chief Technical Adviser, Sida Project

Topic: Water Accounting to support the water sector reform.

Yasir Mohamed, Water Accounting Expert, IHE-Delft,

Topic: Witnessing the value of Water Accounting applications in water resources sustainability

Panelists:

Ebel Smidt, Senior Water Resources Expert, EU water STARS

Naglaa El-Bendary, Water Resources Engineer, Planning Sector, MWRI

Amgad Elmahdi, Head of MENA Region, IWMI

Issam Nofal, Director General, Agricultural Water & Irrigation, Ministry of Agriculture, Palestine

Translation: (English-Arabic/Arabic-English)

02:30 PM - 04:00 PM

Hall: (AlQalaa Ballroom)

Technical Session

(TS22): Water Management for Sustainable Development

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

Chairman: **Dr. Hussien El-Atfy**, Secretary General, AWC

Session Content:

Dr. Fahad Kimera, American University in Cairo, "Economic Benefits of Supplemental Irrigation in Sub-Saharan Africa, Case Study of Uganda".

Dr. Yosry Khafagy, Ministry of Water Resources and Irrigation, "Role of Legislation in Sustainable Integrated Water Resources Management"

Dr. Chris Zevenbergen, Professor of Urban Flood Risk Management, "Anticipatory Flood Management to Better Prepare Alexandria (Egypt) to Extreme Rainfall".

Eng. Deeb Abdelghafour, Senior Water Resources Engineer - Palestinian Water Authority (PWA), Ramallah, West Bank, "Water Priorities in Palestine to Cope with Water Shortage challenges for the Period of 2018-2022"

Translation: (N/A)

02:30 PM - 04:00 PM

Hall: (Abdeen Ballroom)

Side Event

(SE01): SWIM H2020 SM Project Country Meeting – Egypt (Part 1)

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

Chairman: **Prof. Michael SCULLOS**, Team Leader of the SWIM-H2020 SM

Co-Chair: Representative of the European Union Delegation to the Arab Republic of Egypt

Session Content:

Prof. Michael SCULLOS, Team Leader and Dr. Emad ADLY, Stakeholder Engagement Expert, SWIM H2020 Support Mechanism, Topic “How SWIM-H2020 SM supports sustainable water resources and a cleaner environment in Egypt and the Mediterranean”.

Dr. Maggie KOSSIDA, Science Policy Interface Expert, SWIM H2020 SM, Topic: “Improved Watershed Management (decentralized level) in Egypt, local governance and capacity building”.

Panelists:

Ms. Dina MAMDOUH - SWIM Focal Point, Ministry of Water Resources and Irrigation, Planning Sector: “What are the benefits through SWIM-H2020 SM for Sustainable Water Management in Egypt?”

Mr. Essam HANNOUT - Horizon2020 Focal Point (tbc), Ministry of Environment, Egyptian Environmental Affairs Agency: “Egypt and SWIM-H2020 SM: Working towards a cleaner Mediterranean”

Dr. Ms. Yomn HAMAKI, Board Member of the Egyptian Sustainable Development Forum (ESDF)

Eng. Ahmed KAMAL, Executive Director, Federation of Egyptian Industries, Environmental Compliance Office and Sustainable Development, Technical Advisor

Eng. Walid ABDEL-REHIM, Deputy Director, Cairo Office, KfW development bank

Mr. Sameh AYOUB, Egyptian Environmental Affairs Agency

Eng. Djamel Djaballah, Director, Department of Environment, Housing, Water Resources at the League of Arab States

Translation: (English-Arabic/Arabic-English)

02:30 PM - 04:00 PM

Hall: (Qahira B Ballroom)

Side Event (By invitation)

(SE02): Meeting of the WASH Task Force of the UfM Water Agenda (Part 1)

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

Co-convener (s): IME

Chairman: **Dr. Mo'men El Sharkawi**, Undersecretary-Head of Central Directorate, Ministry of Water Resources and Irrigation, Egypt

Co-Chairs:

Miguel Garcia Herraiz, Deputy Secretary General, in charge of the Water, Environment and Blue Economy Division at the UfM

Hashimi Kenno, DG of IME

Almotaz Abadi, Managing Director- Water Division, Senior Adviser, Union for the Mediterranean

Session Content:

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.

Translation: (N/A)

04:30 PM - 06:00 PM

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

Technical Session

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

Convener: FAO

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

Chairman: **Hussein Gadain** (FAO Representative, Egypt)Co-Chair: **Samiha A. H. Ouda** (Soils, Water and Environment Research Institute, ARC, MALR, Egypt)**Session Content:****Pasquale Steduto**, FAO Regional Programme Coordinator for Near East and North Africa.

Topic: Water Efficiency-Water Productivity-Water Saving: Straightening the facts

Elias Fereres, Professor, UCO, Spain

Topic: Optimizing water productivity for farming and for society

Panelists:**Sayed Abdel Hafez**, Former Director of the Soil Water Research Institute, Agricultural Research Center, Egypt**Netij Ben Mechlia**, Senior Water Productivity Expert and former Director General INRAT, Tunisia**Houssein El Sakka**, Head of Regional Service, Ministry of Agriculture, Lebanon**Issam Nofal**, Director General, Agricultural Water & Irrigation, Ministry of Agriculture, Palestine*Translation: (English-Arabic/Arabic-English)*

04:30 PM - 06:00 PM

Hall: (Abdeen Ballroom)

Side Event

(SE01): SWIM H2020 SM Project Country Meeting – Egypt (Part 2)

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

Chairman: **Professor Michael SCULLOS**, Team Leader of the SWIM-H2020 SM

Co-Chair: Representative of the European Union Delegation to the Arab Republic of Egypt

Session Content:**Prof. Michael SCULLOS**, Team Leader and Dr. Emad ADLY, Stakeholder Engagement Expert, SWIM H2020 Support Mechanism, Topic “How SWIM-H2020 SM supports sustainable water resources and a cleaner environment in Egypt and the Mediterranean”.**Dr. Maggie KOSSIDA**, Science Policy Interface Expert, SWIM H2020 SM, Topic: “Improved Watershed Management (decentralized level) in Egypt, local governance and capacity building”.**Panelists:****Ms. Dina MAMDOUH** - SWIM Focal Point, Ministry of Water Resources and Irrigation, Planning Sector: “What are the benefits through SWIM-H2020 SM for Sustainable Water Management in Egypt?”**Mr. Essam HANNOUT** - Horizon2020 Focal Point (tbc), Ministry of Environment, Egyptian Environmental Affairs Agency: “Egypt and SWIM-H2020 SM: Working towards a cleaner Mediterranean”**Dr. Ms. Yomn HAMAKI**, Board Member of the Egyptian Sustainable Development Forum (ESDF)**Eng. Ahmed KAMAL**, Executive Director, Federation of Egyptian Industries, Environmental Compliance Office and Sustainable Development, Technical Advisor**Eng. Walid ABDEL-REHIM**, Deputy Director, Cairo Office, KfW development bank**Mr. Sameh AYOUB**, Egyptian Environmental Affairs Agency**Eng. Djamel Djaballah**, Director, Department of Environment, Housing, Water Resources at the League of Arab States*Translation: (English-Arabic/Arabic-English)*

04:30 PM - 06:00 PM

Hall: (Qahira B Ballroom)

Side Event (By invitation)

(SE02): Meeting of the WASH Task Force of the UfM Water Agenda (Part 2)

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

Co-convener (s):IME

Chairman: **Dr. Mo'men El Sharkawi**, Undersecretary-Head of Central Directorate, Ministry of Water Resources and Irrigation, Egypt

Co-Chairs:

- **Miguel Garcia Herraiz**, Deputy Secretary General, in charge of the Water, Environment and Blue Economy Division at the UfM
- **Hashimi Kenno**, DG of IME
- **Almotaz Abadi**, Managing Director-Water Division, Senior Adviser, Union for the Mediterranean

Session Content:

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.

Translation: (N/A)

04:30 PM - 06:00 PM

Hall: (Maadi Ballroom)

Poster Session

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

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

Session Content:

Dr. Heba K. Awaad, Nile Research institute, "Statistical Assessment of Pollution Mitigation Scenarios Simulated with Duflow for Rosetta Branch"

Dr. Maryam, M. Mostafa, Central laboratory for Environmental Quality Monitoring (CLEQM) National Water Research Center, Impact of Using Algae For Wastewater Biological Treatment

Dr. Ayman El-Gamal, Professor Researcher of Marine Geology, Deputy Director, Coastal Research Institute, "Wastewater Treatment and Microbial Contamination Control Using Innovative Technique With Safe and Economic Natural Radioisotopes"

Dr. Ahmed Elgarahy, Egyptian Propylene and Poly Propylene Company, "Use of Bivalves and Crustacean Wastes From Port Said Coasts as Biosorbants for Water Pollutants"

Dr. Sherif Mohamed Ismail Roshdy, Jordan, "From Macro to Micro Decentralization Wastewater System- (Dewatars) Model in Rural Areas in Egypt"

Dr. Hossam El Zayat, Center for Sustainable Development, the American University in Cairo, "The Prospects of Forward Osmosis Desalination in Egypt"

Translation: (N/A)

09:30 AM - 11:30 AM

Hall: (Qahaira C,E,D Ballroom)

Plenary Session

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

Convener (s): Ministry of Water Resources and Irrigation

Chairman: **Pasquale Steduto**, FAO Regional Programme Coordinator for Near East and North Africa.

Session Content:

Dr. Sven Geissen, Technical University of Berlin, Challenges in Industrial Water Management

Dr. Thomas Grischek, Faculty of Civil Engineering/ Division of Water Sciences, Dresden, Germany, "Siting and Design of RBF Sites in Egypt "

Dr. Ragab Abdelazim, First Undersecretary, Ministry of Water Resources and Irrigation, Egypt

Dr. Abd Al Kawy Khaleifa , Former Minister of Utilities, Drinking Water and Sewage, Egypt

Dr. Wael Abdelmoez, Scientific Consultant for the Ministry of Military, Recycling and Reuse of Grey water "An Egyptian Success Story in the Field of Scientific Research Starting the Ideation to the Implementation Nation Wide"

Translation: (English-Arabic/Arabic-English)

09:00 AM - 05:00 PM

Hall: (Qahira B Hotel)

(Side Event-by invitation)

(SE03): EU-EGYPT Water Business Forum

Convener (s): EU delegation in Egypt

Session Content:

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 in 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 require 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 .

Translation: (English-Arabic/Arabic-English)

12:00 PM - 01:30 PM

Hall: (Alf Lila we Lila A,B Ballroom)

Technical Session

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

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

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

Chairman: **Mr. John Wilson**, USAID

Co-Chair: **Rachael McDonnell**

Session Content:

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:

- A) Drought monitoring
- B) Drought Vulnerability and Impact assessment
- C) 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.

Translation: (English-Arabic/Arabic-English)

12:00 PM - 1:30 PM

Hall: (Heliopolis Ballroom)

Technical Session

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

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

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

Chairman: **Dr. Amel M. Azab**, Nile Basin Capacity Building Network (NBCBN)

Session Content:

Opening remarks and introduction to session .

Amel Azab, NBCBN, Presentation on: Networking, partnerships and collaborative research for capacity development in the Nile Basin.

Themba Gumbo, CapNet-UNDP, presentation on: Use of new tools and technologies in capacity development for sustainable water management.

Schalk Jan Van Andel, IHE-Delft, Presentation on: Innovative capacity development programmes. Examples of NBCBN Capacity Development programmes.

Part I: **Noha samy**, EEAA, presentation on: Experiences from the Nile Eco-VWU, (NBCBN-IWMI).

Part II: **Felix Mtalo**, USDM-Tanzania, presentation on: Nile Water Scarcity Project (NBCBN-IHE). Water Diplomacy Lab Project, IHE-Delft.

Part I: **Fredrick Mugira**, AWJN-Uganda, Presentation on: Reversing the Narrative: Bridging the gap between media and science to promote Transboundary cooperation in Nile basin.

Part II: **Bothaina Osama**, SciDev.Net, Presentation on: Science communication skills for water cooperation and diplomacy: an online course.

Questions and discussion.

Recommendations and closing remarks.

Translation: (N/A)

12:00 PM - 1:30 PM

Hall: (Abdeen Ballroom)

Technical Session

(TS16): Opportunities for sludge management in Egypt

Convener (s): Mott MacDonald

Chairman: **Ms. Chloe Underdown & Dr Tarek Ismail**

Sabry

Session Content:

Ms. Chloe Underdown MEng CEng MICE, Civil engineer

Dr. Tarek Ismail Sabry, Professor of sanitary and environmental engineering

Translation: (English-Arabic/Arabic-English)

02:30 PM - 04:00 PM

Hall: (Qahira D,E Ballroom)

Technical Session

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

Convener (s): SIWI

Chairman: **Dr. Kevin Wheeler**, University of Oxford

Session Content:

Prof. Yacob Arsano, Addis Ababa University, Ethiopia, “Regional Development Underpinned by Water as A Resource in The Nile River Basin”

Prof. Yasir Mohamed, Hydraulic Research Centre, Sudan, “Mitigating Water Hazards (Floods, Droughts) to Enhance Regional Cooperation in the Eastern Nile”

Prof. Hesham Bekhit, Cairo University, Egypt, “Challenges and Opportunities for Regional Development in the Nile River Basin”

Panelists:

Ms. Ayah Aman, Egypt, Shorouk News and Al-Monitor

Mr. Solomon Gosha, Ethiopia, The Ethiopian Reporter

Translation: (N/A)

02:30 PM - 04:00 PM

Hall: (Heliopolis Ballroom)

Technical Session

(TS38): Interdisciplinary Scientific Insights of the Water Sector

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

Chairman: **Dr. Mona El Tobgui**, Senior Advisor at Fraunhofer-Gesellschaft

Session Content:

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.

Translation: (N/A)

02:30 PM to 04:00 PM

Hall: (AlQalaa Ballroom)

Technical Session

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

Convener (s): Ministry of Water Resources and Irrigation

Chairman: **Dr. Karima Attia**, Emeritus prof., Nile Research Institute, NWRC.

Session Content:

Dr. Osama M. Sallam, Environment Agency Abu Dhabi, "The Future Role of Groundwater and Desalination in Reallocation of Domestic Water Sources in Egypt"

Dr. Peter Nasr, Research, Consultant, Center for Sustainable Development, The American University in Cairo, "Investigating Fertilizer Drawn Forward Osmosis Process for Groundwater Desalination for Irrigation in Egypt"

Ms. Amal Ennabih, Université Lumière Lyon 2 – Sciences-po Lyon (Phd Candidate), "Institutional Challenges of Treated Wastewater Reuse Projects: The Case of The Golf Irrigation Project in Marrakesh, Morocco"

Eng. Asmaa A. Ebraheme, Technical University of Berlin, "Investigation of The Removal of Fluorinated Surfactants from Water by Advanced Flotation Technique"

Dr. Fatma Hussein Badawy, Water Treatment & Environment Consultant, Chemical holding company, "Integrated wastewater Treatment and In plant modifications - The Application of Using the Treated Sewage Water at Industrial Sectors Instead of Fresh Water"

Translation: (N/A)

04:30 PM - 06:00 PM

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

Technical Session

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

Convener (s): Ministry of Water Resources and Irrigation

Chairman: **Dr Nader Noureldin**, Professor of Soil and Water Resources at Cairo University.**Session Content:****Dr. Bakenaz A. Zeidan**, Prof. of water resources and dams, Faculty of Engineering, Tanta University, "Surface Water Challenges in Egypt".**Dr. Ahmed Fawzy Deiab**, Desert Research Center, "Water Policies in Developing countries Challenges and solution".**Dr. Bayoumi Atia**, Former Adviser to H.E. Minister of Water Resources and Irrigation for Cabinet affairs, "Securing Water Resources for Egypt: A Major Challenge for Policy Planners".**Dr. Ahmed Moawd**, Vice president Holding Company for Water and Wastewater, "Simulations of Brine Discharges from Desalination Plants in Egypt".**Mr. Demetris Zarris**, SWIM-H2020, Simple hydrologic modelling for water budget. calculations in data scarce countries".*Translation: (English-Arabic/Arabic-English)*

04:30 PM - 06:00 PM

Hall: (Qahira C Ballroom)

Special Event

(SE08): ReWater MENA: More and Safer Water Reuse in the Middle East and North Africa

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

Chairman: **Dr Amgad Elmahdi** and **Dr Javier Mateo-Sagasta****Session Content:**

To 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.

Translation: (N/A)

04:30 PM - 06:00 PM

Hall: (Abdeen Ballroom)

Technical Session

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

Convener (s): National Water Research Center, NWRC

Chairman: **Dr. Mostafa Gawish**, National Water Research Center (NWRC)

Session Content:

Dr. Khaled Abd El Hay, National Water Research Center (NWRC), "Research and Innovation Towards Egypt's Sustainable Water Resources Management"

Dr. Mohamed Shaban, Channel Maintenance Research Institute (CMRI), "From Environmental Threat to Economic Opportunity: Producing Biogas from Water Hyacinth in Uganda"

Dr. Khaled Khair El Den, Environment & Climate changes Research Institute (ECRI), "Advanced Environment Climate Change Lab: Quality Research Leads to Effective Adaptation Measures"

Dr. Hussam Fahmy, Hydraulics Research Institute (HRI), "Coupling of Physical and Mathematical Modelling for Optimal Design of Water Hydraulic Structures"

Translation: (N/A)

04:30 PM - 06:00 PM

Hall: (Qahira D,E Ballroom)

Technical Session

(TS39): The Role of Media in Challenging Water Crisis

Convener (s): Arab Water Academy & Mehwar TV

Chairman: **Dr. Hassan Rateb**, Chairman of Board of Trustee of Slnai University, Vice President of the Arab Water Academy (AWA)

Session Content:

Egypt once celebrated as the "gift of the Nile", is in the grips of a serious water crisis. With a rising population and a fixed supply, Egypt has less water per person each year. According to the recent reports, Egypt is already below the global "water poverty" line and approaching the threshold the United Nations defines as "absolute scarcity".

In this context, the session will tackle the main aspects and problems concerned with water shortage in Egypt along with its environmental impacts and constraints to sustainable development with special emphasis on the importance and role of media in raising public awareness to rationalize water consumption.

Translation: (N/A)

10:30 AM - 12:30 AM

Hall: (Qahira C,E,D Ballroom)

Plenary Session

(PS5): Science, Technology and Innovation

Convener (s): Ministry of Water Resources and Irrigation

Chairman: **Dr. Ragab Ragab**, Principal Hydrologist & Water Resources Management Specialist, Centre for Ecology and Hydrology, CEH, UK.

Session Content:

Mr. Jean Antoine- Faby, ParisTech, "Innovation for transference of skills in strategy to water and sanitation utility leaders: To preempt the future as soon as possible".

Dr. Carel Daamen, Principal Hydrologist, eWater Ltd., University of Canberra Innovation Centre, University Drive, "River Basin Modelling Using the eWater Source Model".

Dr. Jack Kaye, Assoc. Director for Research Earth Science Division, "The Global Water Cycle: From Satellite Observations to Regional and Local Information".

Dr. John Bolten, hydrological Sciences branch NASA, "Mapping the Blue Marble: Using Space-Based Observations for Improved Global Water Security and Sustainability".

Translation: (English-Arabic/Arabic-English)

09:00 AM to 03:00 PM

Hall: (Qahira B Ballroom)

(Side Event-by invitation)

(SE04): EU-EGYPT Water Dialogue

Convener (s): EU delegation in Egypt

Session Content:

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 implementing 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 ensuring 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 extravagant 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.

Translation: (English-Arabic/Arabic-English)

09:00 AM to 03:00 PM

Hall: (Abdeen Ballroom)

(Side Event)

(SE08): EU-Egypt Cooperation: “Exploring New Frontiers in Water Research and Innovation”

Convener (s): EU delegation in Egypt

Session Content:

The European Union and Egypt have a longstanding cooperation in science, research and innovation. A key element of this cooperation is the development of closer scientific ties between Egypt and the European Research Area through increased Egyptian participation in Horizon 2020 (H2020), the on-going EU Framework Programme for funding Research and innovation. Horizon 2020 is the largest multinational programme dedicated to funding research & innovation and it is “open to the world”. This means that researchers, universities, research organisations, companies and non-governmental organisations from across the globe can apply to participate in the programme carried out mainly through calls for proposals. Under Horizon 2020, Egypt so far participated in 34 projects. These projects cover collaborative research actions in areas including food and sustainable agriculture, environment and water management as well researchers’ training and mobility.

In October 2017, EU and Egypt made a further step towards strengthening their research and innovation cooperation. The two sides signed an agreement for scientific and technological cooperation setting out the terms and conditions for Egypt’s participation in the Partnership for Research and Innovation in the Mediterranean Area (PRIMA). PRIMA will develop much-needed solutions for a more sustainable management of water and agro-food systems. The partnership will be financed through a combination of funding from participating countries (currently €274 million), and a €220 million contribution from the EU through Horizon 2020, its research and innovation funding programme (2014 – 2020). PRIMA offers an unprecedented opportunity for the research and innovation communities from participating states to join forces to address common challenges in the water and food sectors.

This workshop will bring together researchers, representatives from policy makers, academia, industry and research institutes, technology platforms, and local authorities involved in the water sector in Egypt. The workshop aims to present the EU – Egypt research and innovation cooperation policy, initiatives, priorities and instruments. It also aims to raise awareness about H2020 as well as major joint programming initiatives addressing research and innovation particularly in the water sector.

Translation: (N/A)



01:00 PM to 02:30 PM

Hall: (Heliopolis Ballroom)

Technical Session

(TS19): Best Practices by Farmers for Water Conservation

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

Chairman: **Dr. Ibrahim Mahmoud**, Head of irrigation improvement sector.

Co-Chair: **Ms. Ramona Antwan**, Communication Expert.

Session Content:

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.

Translation: (N/A)

01:00 PM - 02:30 PM

Hall: (Maadi Ballroom)

Technical Session

(TS20): Best Graduation Projects from Universities

Convener (s): Ministry of Water Resources and Irrigation

Chairman: **Dr. Aly ElBahrawy**, Professor of Hydraulics Faculty of Engineering – Ain Shams University.

Session Content:

Department of Irrigation Engineering and Hydraulics, **Alexandria University**, "Reducing water losses in Egyptian Pipeline Networks Maintaining water resources and eliminating leaks of drinking water networks".

Department of Irrigation and Hydraulics Engineering, **Cairo University**, "Integrated Waste Management in North Coast (Towards Green Environment)".

Department of Irrigation and Hydraulics Engineering, **Cairo University**, "Flood Protection for Ras Ghareb".

Department of Irrigation and Hydraulics Engineering, **Ain Shams University**, "Flood Protection for Water Desalination Plant in Ain Sokhna".

Translation: (N/A)

01:00 PM - 02:30 PM

Hall: (AlQalaa Ballroom)

Technical Session

(TS30): Science Technology and Innovation

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

Chairman: **Dr. Khlaed Abdelhay**, Chairman of National Water Research Center, NWRC

Session Content:

Eng. Dina Mahmoud Ali, Egyptian Authority of Drainage Projects, MWRI, UNi - SCU, "Remote Monitoring of Drainage Water Quality by Using Telemetry"

Dr. Elsayed A, Ain Shams University, "Remote Monitoring Systems Techniques for Large Rockfill Dams"

Eng. Naglaa Mohamed ElBendary, Planning Sector, MWRI, "Web Based Application for Flash Floods Management using Map Enterprise"

Mr. Hafiz Qaisar Yasin, AIT (Pakistan),"Technology Landscape of Irrigated Agriculture in Punjab"

Dr. Noha Samir Donia, Ain Shams University,Development of decision support system for Water Resouces Management in Egypt

Translation: (N/A)

01:00 PM - 02:30 PM

Hall: (Zamalik Ballroom)

Technical Session

(TS40): Water Projects of STEM Schools

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

Session Content:

At STEM Schools students work in teams to design, build, and test prototypes with real-world applications. The Capstone project provides students with the opportunity to work with real-world, open-ended, interdisciplinary challenges proposed by industrial and research project sponsors. They learn and apply the engineering design process: defining functional requirements, conceptualization, analysis, identifying risks and countermeasures, selection, and physical prototyping.

Student teams design and build working, physical prototypes to validate their solutions. By working in teams they develop leadership skills and group dynamics; dealing with scheduling conflicts, meeting weekly deliverables and deadlines; and communication among team members, project sponsors, and course instructors.

In this session, student teams display and pitch their inventions to the invited guests, media, and their peers. This is an excellent opportunity for sponsors to see how their project was conceptualized by the teams at the session. You could also visit the STEM Schools stand at the exhibition area for more information and discussions

Translation: (N/A)

01:00 PM - 02:30 PM

Hall: (Qasr Elnil Ballroom)

Poster Session

(TS31): Science, Technology and Innovation

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

Session Content:

Dr. Lobna Salem, Sustainable Development, Master of Science, The American of University in Cairo, "Assessing Productivity of Aquaponics Systems Yields Versus Water Consumption"

Eng. Ahmed Nasr, Irrigation and Hydraulics Engineering, Cairo University, "Bayesian Networks and Data Driven Models for Estimating Extreme River Discharges"

Dr. Hossam Elersawy, Nile Research Institute, "Innovative Approach for Delineation of Water Intake Protection Zone at River Nile"

Translation: (N/A)

CLOSING

CEREMONY

03:00 PM - 05:00 PM

Hall: Qahira: C,D,E Ballroom

Announcement of the Conference competition winners

1st Cairo Water Week concluding remarks Recommendations of the 1st Cairo Water Week

Group Photo

Translation: (English-Arabic)

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

from 09:30 AM to 06:00 PM

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

Chairman: **Dr. Ragab Abdel Azim**, 1st Under Secretary, MWRI.

Description:

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.

Translation: (Arabic - English - French)

Date: 15th October 2018

Chairman: Dr. Mohamed Abdel Aty, Minister, MWRI.

Description:

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.

Translation: (Arabic - English - French)

Date: 16th October 2018

Description:

Field Visit (OIC members only)

(HLE02): The 3rd Delta Coalition Ministerial Conference

15th – 17th of October 2018

09:00 AM to 06:00 PM

Hall: (Heliopolis Ballroom)

High Level Event (Closed Meeting)

Convener (s): Delta Coalition

Description:

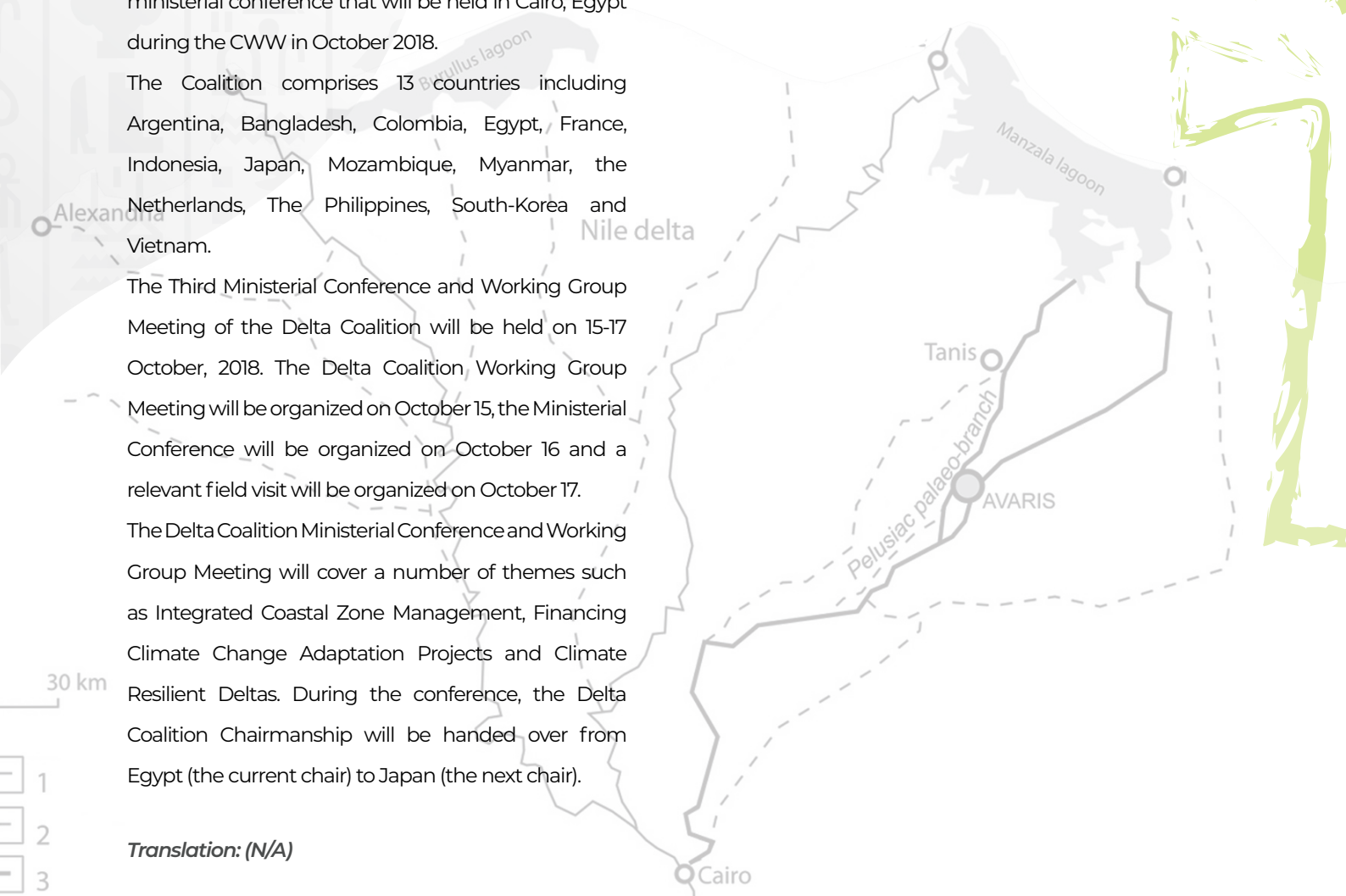
The Delta Coalition (DC) is the world's first international coalition of governments that have established a partnership to deal with integrated management and sustainable development of the Deltas. It is the outcome of the event on "Building an International Coalition for Integrated Delta Management and Resilience" which was co-hosted by the Netherlands, Colombia and Japan during the 3rd World Conference on Disaster Risk Reduction (WCDRR). 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).

Translation: (N/A)



- 1
- 2
- 3

SIDE EVENTS

(SE05): African Young Water Professionals Forum

14th – 16th of October 2018

09:00 AM to 06:00 PM

Hall: (Steigenberger Hotel-Diamond Ballroom)

Side Event (Closed Meeting)

Convener (s): ICID

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

Description:

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.

Translation: (N/A)

(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

09:00 AM to 05:00 PM

Hall: (Steigenberger Hotel-Diamond Ballroom)

(Side Event-by invitation)

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

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

Description:

Day 1

Opening Sessions.

Dr. Tahani Sileet, Director of Pmu, "Progress of Vicmed Project.

Dr. Andre Hage, Hydroplan & Dnt Consultants, "Draft Final Report of Institutional and Legal, Regulatory Framework and Training Needs Assessment (Training Needs Assessment).

VICMED SC-HYDROPLAN & DNT consultants, Discussion.

Dr. Jean Luc Frerotte, Hydroplan & Dnt Consultants, Draft Final Report of Institutional And Legal, Regulatory Framework And Training Needs Assessment.(Regulatory Framework)

VICMED SC-HYDROPLAN & DNT consultants, Discussion.

Day 2

Dr. Andre Hage, Hydroplan & Dnt Consultants, "Draft Final Report of Institutional and Legal, Regulatory Framework and Training Needs Assessment (Terms of reference).

- VICMED SC-HYDROPLAN & DNT consultants, Discussion.
- PMU, The Way Forward.
- Discussion, Wrap Up and Closing.

Translation: (English-Arabic-French)

(SE09): Fine Art Gallery

17th of October 2018

10:00 AM to 06:00 PM

Hall: (Alf lila we lila C Ballroom)

Side Event

Description

The first Cairo Water Week Fine Art Gallery is a gathering of distinguished artists who promote a consistent artistic direction by curating a contemporary expression that conveys an optimistic and colourful view of life. The Gallery is conducted under the auspices of H.E. The Minister of Water Resources and Irrigation and will include more than 30 pieces of Art related to water and environment.

BACK TO BACK

EVENTS

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

(Wastewater: The Untapped Resource)

10th – 11th of October 2018

09:00 AM to 05:00 PM

Hall: (UNESCO Cairo Office)

Back-to-Back (by invitation)

Convener: UNESCO Cairo Office and WWAP

Training Content:

DAY 1

Welcome and introduction

CHAPTER 1: Water resources availability and trends at the global and regional level

CHAPTER 2: Technical Aspects of Wastewater

CHAPTER 3: URBAN WASTEWATER

CHAPTER 4: INDUSTRIAL WASTEWATER

DAY 2

CHAPTER 5: AGRICULTURE

CHAPTER 6: EXAMPLES FROM REGIONS (with specific emphasis on ARAB REGION)

CHAPTER 7: MANAGEMENT, CAPACITY DEVELOPMENT, LEGAL/INSTITUTIONAL FRAMEWORKS, 2030

AGENDA

Open Discussion

Handing out the certificates

Closure

Translation: (English-Arabic/Arabic-English)

EXHIBITORS

LISTING

THE NILE RITZ CARLTON HOTEL

Exhibition hours

The Exhibition is located in the ground floor level, at *AlQahaira A Ballroom and foyer.*

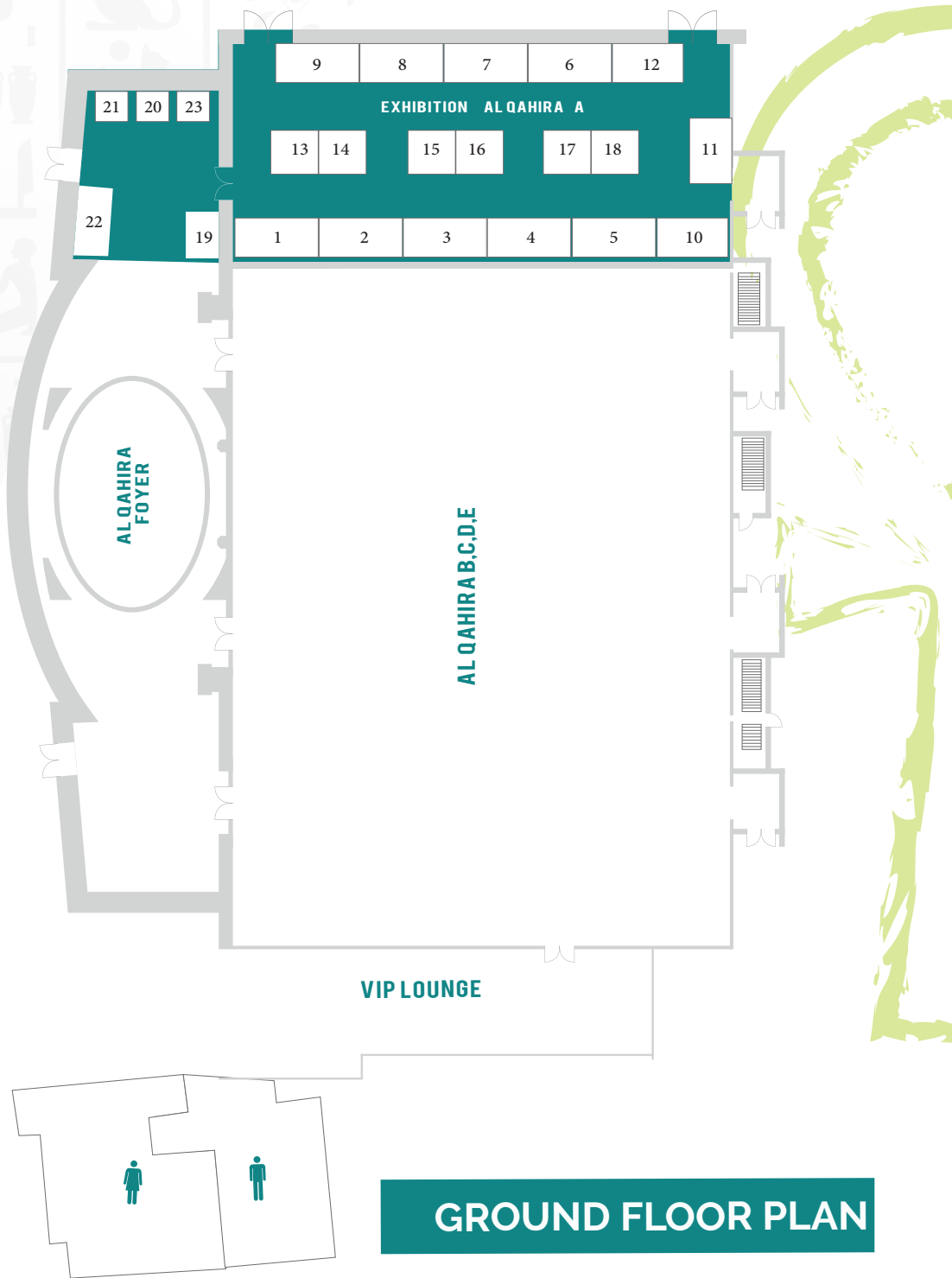
Welcome you to visit the booths during the following times:

Sunday **02:00 PM - 06:00 PM**

Monday, Tuesday,

Wednesday, Thursday

09:00 AM - 06:00 PM



GROUND FLOOR PLAN

EXHIBITORS

Diamond

1. National Authority of Military Production
2. October University for Modern Science and Arts (MSA)
3. Comet for Trading & Industrial Works
4. Technical Company for Installation and Contracting (TECOM) Agent of the Czech company Sigma
5. Quality Standards for Information Technology (ESRI North-East Africa)
6. Kased Khair for General Supplies & Contracting
7. Home Pure
8. EDGE-PRO
9. The Food and Agriculture Organization (FAO)

Gold

10. OTRAC
11. Utility & Positioning Systems
12. Xylem

Silver

13. Permanent Joint Technical Authority for Nile River
14. Nile Basin Capacity Building Network (NBCBN)
15. Kirloskar Brothers Limited
16. AL-Alamia for Contracting
17. Lwaa Al-Hamd
18. Archmarine For Contracting

Diamond Stand

22. WMRP GIZ

Silver Stand

19. Planning Sector, MWRI
20. Utility Systems Metering (Pty) Ltd (South Africa)
21. STEM Schools
23. Geospatial Information Co.LTD, Gwangju, Korea

Diamond Exhibitor



Gold Exhibitor



Silver Exhibitor



Diamond Stand



Silver Stand



GENERAL INFORMATION

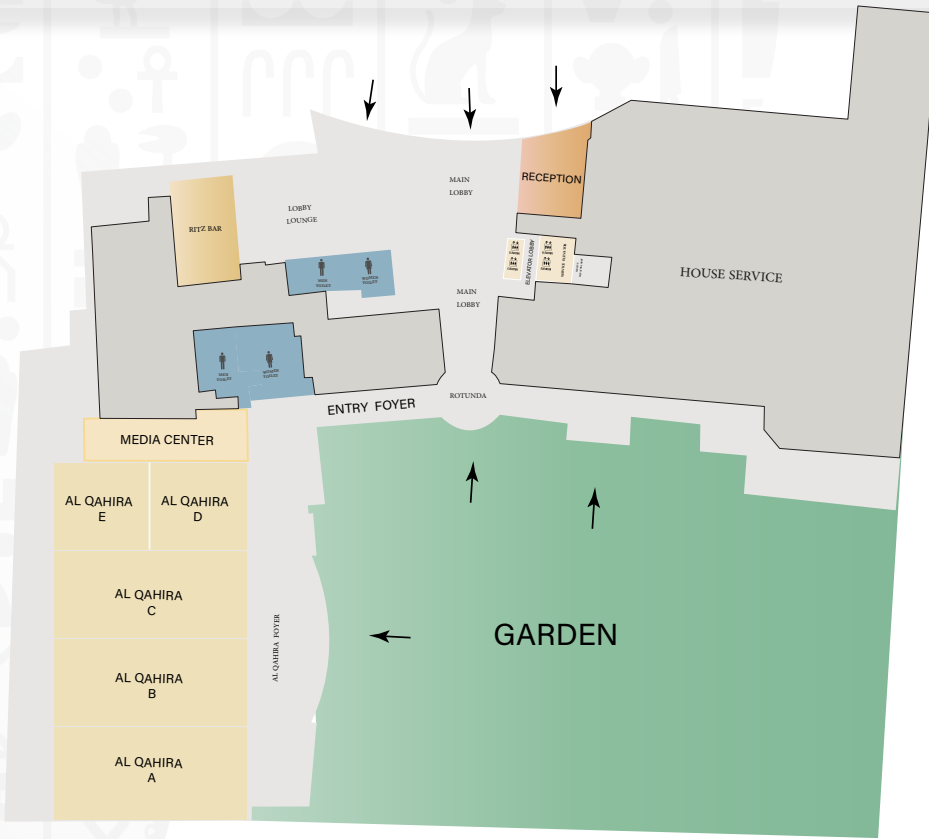
Opening Session

FOUR SEASONS NILE PLAZA HOTEL

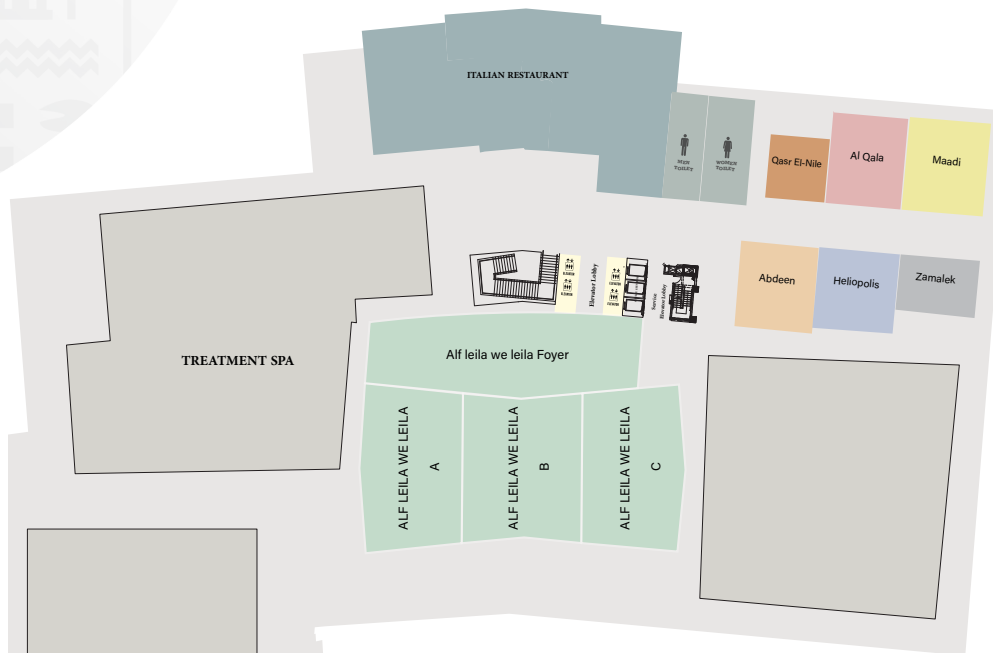


2nd Floor Plan

Conference Venue



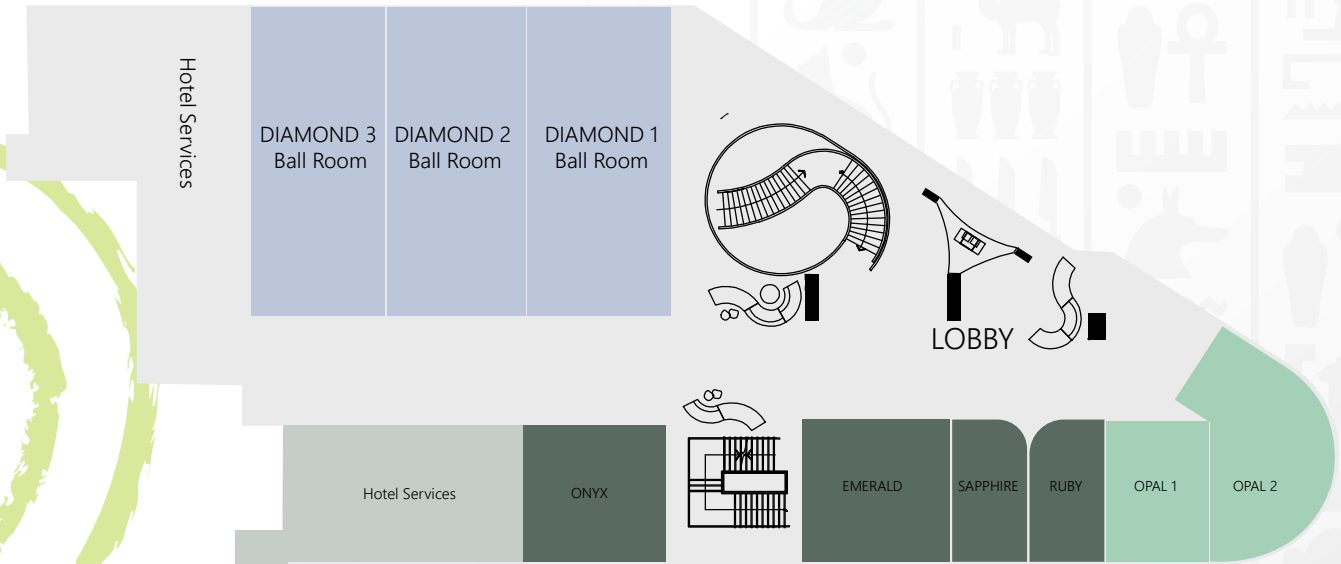
GROUND Floor Plan



2nd Floor Plan

Some Side events

STEIGENBERGER HOTEL



1st Floor Plan

Excursions

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

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. The trip from Cairo International Airport to the conference venue costs approx. EGP125 by taxi. For more information, please visit: <http://www.cairo-airport.info/>

Airlines

In order to ensure safety and comfort for the 1st CWW participating delegations, EGYPTAIR was selected to be the air carrier of the event. EGYPTAIR is one of the world's pioneer airlines. Established in May of 1932, it became the seventh carrier in the world. On July 17th 2008, EGYPTAIR joined the Star Alliance network, the largest airline alliance in the world, to offer its customers better flight connections and more comfortable travel.

Currency 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 offices as well as at all banks in accordance with the daily announced exchange rates at that time.

Weather

The average temperature in Cairo during October reaches a high of 30°C (86°F) during the day and a low of 18°C (64°F) at night

Local time

Local time in Cairo is GMT + 2 hours.

Telephone calls

Emergency	123
Fire	180
Police	122

In case of emergency, you are requested to contact the registration or information desk or dial 122 for police, 123 for the ambulance and 180 for firefighter service. There are a number of pharmacies throughout the city. Look for the sign "Pharmacy". They are usually open 24- hour.

Electricity

The electrical current in Egypt is 220 volts, 50 cycles alternating current (AC). Wall outlets take Continental style plugs with two round prongs.

EGYPT

IN WORDS

Egypt's official name is the Arab Republic of Egypt. The country is situated in the north-east part of Africa, although the Sinai Peninsula forms a land bridge with south-west Asia, and so Egypt is also called a Middle East country. Therefore it's a transcontinental country, which helps it in being a major power in Africa, the Middle-East, the Mediterranean, and the Muslim world.

The country is defined by the deserts and the Nile, the longest river on Earth. The Nile flows north out of central Africa, cascading over cataracts (waterfalls) through Upper (southern) Egypt and Lower (northern) Egypt to the Mediterranean Sea with a mountainous desert to the east, a rolling drier desert to the west, and the vast Sahara to the south.

Egypt is bordered by the Gulf of Aqaba to the east, the Red Sea to the east and south, Sudan to the south and Libya to the west.

With over 90 million inhabitants two-thirds of which are below 29 years, Egypt is Africa's third most populous country after Nigeria and Ethiopia, and it has the highest population in the Arab world. About 95 percent of Egyptians live along the Nile on less than 5 percent of Egypt's territory making the Nile Valley one of the world's most densely populated areas, especially in greater Cairo, Alexandria and other major cities in the Nile Delta.

In Egypt, you will find the contrast of historical layers that range from Ancient Egypt to the Roman Empire, Islamic dynasties to the modern history. In Cairo and most of Egypt's major cities, you'll find high-rise buildings, highways, international hotels, restaurants, mass advertising, western clothing, local clothing, ancient monuments, historical mosques, Coptic churches, and traditional souks; all blending together into the unique mosaic that is modern Egypt. Over the past decade, Egypt has grown to become the modern hub of Africa; the country boasts numerous airports, ports and modern marinas, and major cities are connected through a network of newly built highways. Moreover, telecommunications and Internet services in Egypt are booming, providing the needed infrastructure for the constant development of the country.



About Egypt

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Egypt History

Ancient Egypt grips the imagination touches the soul and inspires the uninspired. You simply can't escape over 7000 years of historical influence Ancient Egypt enjoys.

The legacy of Ancient Egypt, with names like Ramses, Nefertiti and Tutankhamen and places like the Great Pyramids of Giza and the Sphinx echoes in art, literature and popular culture. When Alexander the Great conquered Egypt, Ancient Egyptian priests proclaimed him pharaoh.

Ptolemy I, one of Alexander's generals, succeeded Alexander as pharaoh and established the Ptolemaic dynasty.

Cleopatra, a direct descendant of Ptolemy I, was the last Greek ruler of Egypt.

During a Roman civil war, Augustus put an end to centuries of the Ptolemaic rule when Cleopatra sided with Marc Anthony against Augustus. After winning the war, Augustus made Egypt a province of Rome. Respecting the tradition of the house of Ptolemy, the Caesars of Rome continued to honor Ancient Egyptian religion.

The continuous homage offered by Greek and Roman rulers to the local traditions of Ancient Egypt is the essence of Greco Roman culture in Egypt. Greco Roman art, architecture and ruins attest to the importance of Egypt in their regard. After the collapse of the Roman Empire, Greco Roman Egypt became a part of the Byzantine Empire until the Arab Muslim conquest.



CAIRO

IN WORDS

Cairo “The City of a Thousand Minarets” is the capital of Egypt and with a total population in excess of 9 million people, one of the largest cities in both Africa and the Middle East. It is also the 19th largest city in the world, and among the world’s most densely populated cities.

On the Nile River, Cairo is famous for its own history, preserved in the fabulous medieval Islamic city and Coptic sites in Old Cairo. The Egyptian Museum in the center of town is a must see (few meters from the conference venue), with its countless Ancient Egyptian artifacts, as is shopping at the Khan al-Khalili bazaar. No trip to Cairo would be complete, for example, without a visit to the Giza Pyramids, and to the nearby Saqqara Pyramid Complex, where visitors will see Egypt’s first step pyramid built by the architect Imhotep for the third dynasty Pharaoh, Djoser.

Though firmly attached to the past, Cairo is also home to a vibrant modern society. The center of downtown Cairo is in Tahrir Square, which is located along the east bank. A hub of tourist activity, the vast and open square contains numerous attractions, including the Egyptian Museum, the Arab League headquarters, and the modern Umar Makram Mosque. Cairo’s main thoroughfare, Corniche, extends from north to south along the east bank of the Nile. Located nearby is the narrow strip of land known as Garden City, one of the city’s newer residential areas. In the center of the city is the river island of Zamalek (also called Jezerah, meaning “the island”), which contains an upscale residential and commercial neighborhood also known as Zamalek, the Cairo Opera House (founded in 1869), and the Cairo Tower (1961). Three bridges link the island of Zamalek with both banks of the river. The island of Al-Rodah, located to the south, is linked to the mainland by two additional bridges, while another bridge to the north carries road and rail traffic across the Nile. A felucca ride on the Nile is a good way to escape from the busy city, as well as a visit to Al-Azhar Park.



Famous tourist attractions in Cairo

Cairo contains numerous religious and governmental structures. The ornate architecture of the Citadel, in eastern Cairo, enhances the city's skyline. Begun by Saladin in 1176 and modified and expanded by later sultans, the Citadel is famous for its mosques, museums, and fort. Mohammad Ali Mosque (1830) is particularly notable within the complex, with its storied domes and twin minarets. The Coptic Church known as Al Mu'allaqa, located in Old Cairo, is believed to be the earliest known site of Christian worship in Egypt as well. The church was built in the 3rd century, although it has been almost entirely replaced through successive restorations.

The Pyramids of Egypt, which served as tombs for the Ancient Pharaohs, and the statue of the Sphinx, which dates from 2565 BC and is probably the country's most famous monument, are located just west of Cairo in the suburb of Giza. Despite the fact that most people picture these monuments as being far off into the desert, the Pyramids are actually extremely close to Cairo. The distinctive and imposing gates of Cairo once part of a wall that encircled the city, these three gates are all that remain of the original eight. Among Cairo's modern buildings are the Cairo Tower, which stands at a height of 187 m (about 614 ft) and offers a stunning view of the Pyramids and the Citadel.

Shopping and malls

Cairo is famous for its popular atmosphere and nightlife, with coffee shops, bazaars, shopping malls, distinctive restaurants, and luxury markets which qualify it to be one of the most attractive tourist destinations in the world. Shopping in Cairo varies among traditional markets, bazaars and the luxury shopping malls, here in below a short guide to the most popular shopping destinations in Egypt.

Khan El Khalili Market (Traditional market and bazaar)

No trip to Cairo would be complete without a visit to Khan Al-Khalili. The bazaar is loud, crowded, colorful, and exciting—full of all kinds of goods and shiny baubles. You can find the typical tourist trinkets here.

The market dates back to the 14th century when Emir Dajaharks Al-Khalili built a large market complex on the site of the Za'afraan Tomb, which had been the burial place of the Fatimid rulers of Egypt

Khan El Khalili is located 12 km from downtown- Cairo. Khan El Khalili market is situated at one corner of a triangle of markets that go south to Bab Zuwayla and western to azbakiyyah.

The skinny lanes of Khan Al Khalili are basically a medieval-style mall. This agglomeration of shops many arranged around small courtyards stocks everything from soap powder to semiprecious stones, not to mention tacky toy camels and alabaster pyramids. Most shops and stalls open from around 9am to well after sundown (except Friday morning and Sunday).

Today the market has been modernized significantly, but there are still portions that display the original Mamluk style architecture, which featured great archways and vaulted ceilings. The market has several restaurants and cafés spread throughout where you can take a break from shopping. Al Fishawy is the oldest café in Cairo, decorated with large mirrors and old furniture. It used to be frequented by Naguib Mahfouz, the Egyptian Nobel laureate author.

There is also an upscale restaurant in the market that bears his name. The market is next to Hussein Square, the garden in front of Hussein Mosque. This square also offers many cafes and cheaper restaurants

Shopping malls

Egypt witnessed in the last decade, as in many mega-cities, the reshaping of public space through the creation of new shopping malls and recreation places. This went hand in hand with the 'gentrification' of certain areas of the city of Cairo. We can say that there's at least one mall in every district in Cairo such as Mall of Egypt, Cairo Festival City Mall, Citystars Mall and The First Mall.

For more information please visit:

<http://www.mallofegypt.com/>

<http://www.cairofestivalcity.com/en/Home><http://www.citystars-heliopolis.com/eg/en>

<http://firstmallcairo.com/>



NOTES



أحد أعمدة الاقتصاد

- يقدم بنك مصر مجموعة كبيرة من الخدمات المصرفية للشركات أبرزها ترتيب وإدارة القروض المشتركة والتمويل الهيكلي للشركات
- بنك مصر رائد في تنظيم القروض المشتركة وتمويل المشروعات
- يمتلك بنك مصر خبرة واسعة في تقديم الاستشارات المالية وترتيب عمليات الاستحواذ المالي
- وجود عالمي وإقليمي في الإمارات، لبنان، فرنسا، ألمانيا، الصين، وروسيا



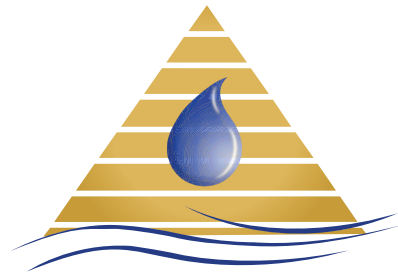
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Ministry of Water Resources & Irrigation

