

# المؤتمر العربي الخامس للمياه



Under the Theme

**Sustainable Development in the Arab Region  
The Sixth Goal - Challenges and Opportunities**

## Conference Program

**22-23 November 2023**

InterContinental Riyadh Hotel

Kingdom of Saudi Arabia



**Registration** 8:00 - 9:00

**The Conference Opening** 9:00 - 9:30

**First Session: Water Resources Sustainability in Arid Regions: A Case Study of Saudi Arabia** 9:30 - 10:00

This session presents the experience of Saudi Arabia in water resource management and its challenges throughout all stages of the supply chain, starting from production and water resource development, to transportation, storage, distribution, and wastewater services. It also discusses the role of sector restructuring, regulation, and activating partnerships with the private sector, aiming to achieve a sustainable, integrated, and flexible water sector capable of ensuring supply security, customer service excellence, environmental and economic sustainability, and cost-effective management in accordance with the Kingdom's Vision 2030.

**Chairman: Dr. AbdulAziz Al-Shaibani**

Deputy Minister for Water, Ministry of Environment Water and Agriculture, Saudi Arabia

**Water regulator's Experience in Saudi Arabia**

**Dr. Fahad Abu-Mouti**

Deputy Minister of Regulatory Affairs, Ministry of Environment, Water and Agriculture  
General Supervisor of the Water regulator's Executive, Saudi Arabia

**Contributions of the Saline Water Conversion Corporation in Water Resource Sustainability in Saudi Arabia**

**Eng. Mamdouh Alshuaibi**

Deputy Governor for Institutional Transformation, Saline Water Conversion Corporation, Saudi Arabia

**Water and Sanitation Services for All**

**Eng. Nemer Al-Shebl**

CEO, National Water Company, Saudi Arabia

**Contribution of the Saudi Irrigation Organization to Water Resource Sustainability in Saudi Arabia**

**Eng. Mohammed Abu Haid**

Vice President for Projects, Saudi Irrigation Organization, Saudi Arabia

**Contribution of the Saudi Water Partnership Company to Water Resource Sustainability in Saudi Arabia**

**Eng. Khaled Alqureshi**

CEO of Saudi Water Partnership Company (SWPC)

**Break** 10:00 - 10:10

**Second Session: Modern Financing Methods for Water Projects** 10:10 - 11:25

**Chairman: Prof. Omar K. M. Ouda**

Advisor to Deputy Ministry for Water, Ministry of Environment, Water and Agriculture, Saudi Arabia

**Innovative Financing in the Water Sector**

**Rajesh Balasubramanian**

Global Water Unit, the World Bank

**Water Financing: Developments and New Perspectives**

**Xavier Leflaive**

Water Team Leader, OECD

**Contribution of the Saudi Fund for Development to the Water Sector and its Uses in the Middle East and North Africa**

**Abdullah AlBazai**

Programs & Development Initiatives, Saudi Fund for Development, Saudi Arabia

**Sustainable & Innovative Financing Approaches for Water Projects**

**Tarek Mahjub Abdulmageed<sup>1</sup>, Hisham Mohammed<sup>2</sup>**

<sup>(1)</sup>Elnasr University, Sudan <sup>(2)</sup>Council of State, Oman

**An Overview of Financing Related to Goal 6 of Sustainable Development in the Arab Region**

**Austin Hamilton**

United Nations, Economic and Social Commission for Western Asia

**Break & Prayer** 11:25 - 12:00

**Third Session: The Role of International Organizations in Facing the Challenges of the Water Sector in the Arab World**

12:00 – 13:15

**Chairman: Dr. Hezam Al-Otaibi**  
Advisor, World Bank**The Role of Civil Society Organizations in Achieving the 6<sup>th</sup> Goal of Sustainable Development: The Experience of the Moroccan Coalition for Climate and Sustainable Development in Engaging Citizens in Evaluating Territorial Development Plans "Water Axis"****Abdelaziz Faaras**

The Arab League Educational, Cultural and Scientific Organization (ALESCO), Morocco

**Integrated Water Resource Management in the Arab Region****Ziad Khayat**

United Nations Economic and Social Commission for Western Asia (ESCWA)

**The Role of the Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD) in Achieving the 6<sup>th</sup> Goal of Sustainable Development in the Arab Region****Ihab Jnad, Yousef Marei**

Arab Center for the Studies of Arid Zones &amp; Dry Lands (ACSAD), Syria

**The contribution of the United Nations Development Program (UNDP) to the development of water resources in the Arab world: A success story in Saudi Arabia****Asim Salah**

Senior Programme Officer, United Nations Development Programme (UNDP) Saudi Arabia

**The Role of International Organizations in Confronting Water Sector Challenges in the Arab Region****Mohamed Tawfik, Mahmoud Abu Zeid, Hussein Al-Atefy, Mirvat Hassan**

Arab Water Council, Egypt

---

**Lunch** 13:15 – 13:55

---

**Fourth Session: Integrated Management of Water Resources and its Challenges**

13:55 – 15:10

**Chairman: Eng. Aref Alkalali**

Director General of Water Resources Management &amp; Technical Director of UNDP at the MEWA, Saudi Arabia

**Integrated Water Resources Management and Its Challenges in Sudan****Hisham Mohammed<sup>1</sup>, Mujahid Sadiq<sup>2</sup>, Abbas Mustafa<sup>3</sup>**<sup>(1)</sup> University of Gezira, Sudan, <sup>(2)</sup> Ministry of Irrigation and Water Resources, Sudan, <sup>(3)</sup> Agricultural Research Corporation, Sudan**Challenges of Integrated Water Resources Management under the Population Growth and Climate Change Influence in Iraq****Fouad Saeed**

Ministry Of Water Resources, Iraq

**A Proposed Model for Integrated Water Resources Management in the Face of Changing Political, Economic, and Social Conditions: The Case of Palestine****Abdelrahman Tamimi**

Arab American University and Al-Quds University, Palestine

**Challenges and Prospects of Integrated Management of Treated Wastewater in the Arab Region****Tarek El-Samman, Mahmoud Abu Zeid, Hussein Al-Atefy**

Arab Water Council, Egypt

**Climate Change in Saudi Arabia and Its Impact on Water Resources****Mazen Assiri**

Climate Change Center, National Center for Meteorology, Saudi Arabia

---

**Break** 15:10 – 15:25

---

Fifth Session: **The Value of Water and Circular Economy**

15:25 – 16:25

**Chairman: Dr. Ziad Khayat**

Economic Affairs Officer, United Nations Economic and Social Commission for Western Asia (ESCWA)

**The Shift Towards Wastewater Treatment and Reuse in the Arab Region: Opportunities and Challenges**

**Malika Ismaili Alaoui**

Université Cadi Ayyad Marrakech, Morocco

**Adopting the Value of Water, Circular Economy, and Renewable Energy Generation: Case Studies**

**Ziyad Abunada<sup>1</sup>, Yasser Kishawi<sup>2</sup>**

<sup>(1)</sup>Central Queensland University, Australia <sup>(2)</sup>University of Nebraska–Lincoln, USA

**The Interlinkages Between the Ecosystem, Energy, & Food in Palestine**

**Sobhi Samhan**

Palestinian Water Authority, Palestine

**The Significant Impact of Wastewater Treatment Plants on Human Health and Circular Economy**

**Miran El-Haggar, Farah Bilal**

Arab Academy for Science, Technology & Maritime Transport, Egypt

**Sixth Session: The Role of the Institutional and Legal Framework for the Sustainability of Water Resources and Services**

9:00 – 10:15

**Chairman: Mr. Hasan Al Hatim**

Deputy Minister for Planning and Institutional Excellence, Ministry of Environment Water and Agriculture, Saudi Arabia

**Enhancing Water Cooperation through the Nexus Approach of Water, Energy, and Food Systems****Majed Abu-Zrieg**

Jordan University of Science and Technology, Jordan

**Institutional and Legislative Frameworks Regulating the Protection of Water Resources in the Gulf Region and Jordan  
A Comparative Analytical Study****Mohammad Eyadat**

National Center for Environmental Justice, Jordan

**Legal Protection of Water Resources and their Sustainability: A Comparative Study in the Arab Maghreb Countries****Hichem Chenaker<sup>1</sup>, Adel Al-Jawami<sup>2</sup>, Reem Ibrahimia<sup>3</sup>**<sup>(1)</sup> Higher National School of Forests, Algeria; <sup>(2)</sup> Mohammed University, Morocco; <sup>(3)</sup> Faculty of Science Sfax, Tunisia**Empowering Water Reuse in the Arab Region: What Needs to Be Done?****Youssef Brouziyne<sup>1</sup>, Xavier Sajasta<sup>1</sup>, Marie-Helene Nassi<sup>1</sup>, Mohamed Tawfik<sup>1</sup>, Sulome Jabrzghair<sup>1</sup>, Everest Mapidza<sup>1</sup>, Nesreen Lahham<sup>2</sup>  
Mohamed El Hamdi<sup>3</sup>**<sup>(1)</sup> International Water Management Institute (IWMI), Egypt; <sup>(2)</sup> Arab Organisation for Agricultural Development (AOAD), Egypt<sup>(3)</sup> Food and Agriculture Organization of the United Nations (FAO), Egypt**Good Governance in Water Management: Theoretical Framework and Scientific Applications****Almoayied Assayed, Farouk Al-Omari, Haitham Saleh, Samer Moussa, Maath Al-Haddad**

Royal Scientific Society, Jordan

Break

10:15 – 10:25

**Seventh Session**

10:25 – 11:40

**Arab Countries' Efforts in Achieving the Sixth Goal of the Sustainable Development Goals****Chairman: Ambassador Shahira Wahbi**

Director of Housing, Water Resources and Disaster Risk Reduction Department, League of Arab States

**Morocco's Efforts in Achieving the Sixth Goal of Sustainable Development (2023)**

Regarding Water &amp; Sanitation Achievements &amp; Challenges

**Youssef El Guamri**

Regional Centre for Education &amp; Training Professions Crmef Marrakech-safi, Morocco

**The Participatory Water Foresight Management Contract Project for Meski-Boudnib Aquifer in the Kéris-Ziz Watershed  
in the Errachidia Province****Moulay M'hamed Slimani, Ismail Abou, Sufyan El Marabti, Jahan El Tlemsani**

Hydraulic Basin Agency of Guir-ziz-rhéris, Ministry of Equipment and Water, Morocco

**Reforming the Water and Sanitation Sector in Palestine Sector Structure and Institutional Development****Rawan Isaïd**

Palestinian Water Authority, Palestine

**The Large Reservoir and Strategic Water Stock Management in Qatar****Tariq Bawazir**

Qatar General Electricity &amp; Water Corporation, Qatar

**The Role of the Arab Federation for Consumer in Promoting Sustainable Water Consumption Behavior in the Arab Region****Hemza Abdelli**

Arab Federation for Consumer, Algeria

Prayer

11:40 – 12:10

Eighth Session: **Aligning the Strategies of the Arab Countries with the Arab Water Security Strategy**

12:10 - 13:10

**Chairman: Dr. Ihab Jnad**

Head of Water Resources Department, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD), Syria

**Assessment of Future Alternatives for Sustainable Water Management System in Bahrain**

**Fatema Abbas<sup>1</sup>, Waleed Zubari<sup>2</sup>**

<sup>(1)</sup>Ministry of Works, <sup>(2)</sup>Arabian Gulf University, Bahrain

**Algeria and Water Challenges: A Study of Policies and Strategies to Enhance Sustainability**

**Manel Sakhri**

University of Blida2, Algeria

**Water Resources Management Strategy in Libya: Between Challenges and Sustainable Development**

**Enas Salama, Ghada Alfazzani, Masra Al-Mukhtar Abu Zriba, Abdul Hamid Al-Shanqiti**

Libyan Center for Biotechnology Research, Libya

**National Water Strategy in Saudi Arabia and its Role in Achieving Water Security**

**Saud AlMarshad**

Ministry of Environment, Water, and Agriculture, Saudi Arabia

Break

13:10 - 13:20

Ninth Session: **Utilizing Modern Techniques in Water Resources**

13:20 - 14:35

**Chairman: H.E. Dr. Hussein Elatfy**

Secretary General of the Arab Water Council, Egypt

**Integration of Internet of Things Technology to Improve Water Efficiency in Government Buildings in Kuwait (Kafaa Project)**

**Ahmad Al-Kofahi**

Kuwait Water Association, Kuwait

**Innovative Mobile Applications in the Water Sector**

**Abdullah Murrar**

Al-zaytoonah University of Science and Technology - Salfit, Palestine

**Utilizing remote sensing data and digital models**

**Mohamed Abdelkader<sup>1</sup>, Mohammed Al-Aaraj<sup>2</sup>**

<sup>(1)</sup>Stevens Institute of Technology, USA, <sup>(2)</sup>HydroTrek, LLC, USA

**Utilizing water harvesting to adapt to climate change: A case study of Syria**

**Yousef Marei, Ihab Jnad**

The Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD), Syria

**Cloud seeding in the Saudi Arabia and its impact on water resources**

**Ayman AlBar**

National Center for Meteorology, Saudi Arabia

Break

14:35 - 14:40

Final Session: Recommendations (Riyadh Declaration)

14:40 - 15:00

Lunch

15:00