

Under the Patronage of **H.E. Shaikh Khalid Bin Abdulla Al Khalifa**, Deputy Prime Minister, Kingdom of Bahrain



Exclusive Host

Ministry of Oil and  
Environment



وزارة النفط والبيئة

In Partnership With



**5 - 7 SEPTEMBER 2023** | THE GULF CONVENTION CENTRE, KINGDOM OF BAHRAIN

**WATER | ENERGY | CLIMATE**

Water Sustainability and Energy Transition: Implications on GCC & the World

[www.gweccc.com](http://www.gweccc.com)

**CONGRESS  
PROGRAMME**

Organised By



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## INTRODUCTION

**1**

GWECCC is an annual government initiative by the Kingdom of Bahrain for the Arabian Gulf exclusively focused on addressing Water and Energy Security & Sustainability

**2**

The prime focus of the initiative will be to discuss challenges in the region and enable opportunities through policies, sustainable financing, global technology, and best practices for sustaining and securing the Water and Energy Value Chain

**3**



The initiative will be an unique Strategic Leadership platform to drive the Dialogue & Strengthen Actions for Water and Energy resources in the era of Energy Transition and Climate Protection

REGIONAL ALIGNMENT



GWECCC  
September 2023



MENA Climate Week  
October 2023



COP 28  
November 2023



## EVENT PATRON

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**His Excellency Shaikh  
Khalid Bin Abdulla Al Khalifa**  
Deputy Prime Minister  
Kingdom of Bahrain

## ADVISORY COMMITTEE & CONFERENCE CHAIR

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**H.E. Dr. Mohamed bin  
Mubarak Bin Daina**

Minister of Oil and Environment  
Special Envoy for Climate Affairs  
Kingdom of Bahrain



# PARTNERS

## EXCLUSIVE HOST



## IN PARTNERSHIP WITH



## HOST PARTNER



## STRATEGIC GOVERNMENT PARTNERS



## PRINCIPAL PARTNER



## STRATEGIC PARTNER



## ENERGY TRANSITION PARTNER



## WATER SECURITY PARTNER

الشركة السعودية لشراكات المياه  
Saudi Water Partnership Company



## GOLD PARTNER



## INNOVATION PARTNER



## KNOWLEDGE PARTNER



SILVER PARTNER



BRONZE PARTNER



ASSOCIATE PARTNERS



ACADEMIC PARTNER



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TECHNICAL PARTNER



BROADCAST PARTNER



RESEARCH PARTNER



DIGITAL NEWS PARTNER



ORGANISED BY



MOBILE APP PARTNER



INTERNATIONAL PARTNERS





**MEDIA PARTNERS**



**EXHIBITORS**



# ADVISORY COMMITTEE

## Chair



**H.E. Dr. Mohamed bin Mubarak Bin Daina**  
Minister of Oil and Environment  
Special Envoy for Climate Affairs  
Kingdom of Bahrain



**H.E. Ebrahim Bin Hasan Al Hawaj**  
Minister of Works  
Kingdom of Bahrain



**H.E. Noor bint Ali Al Khulaif**  
Minister of Sustainable Development  
Kingdom of Bahrain



**H.E. Eng. Wael bin Nasser Al Mubarak**  
Minister of Municipalities Affairs  
& Agriculture  
Kingdom of Bahrain



**H.E. Yaser Bin Ebrahim Humaidan**  
Minister of Electricity and Water Affairs  
Kingdom of Bahrain



**H.E. Maha Mofeez**  
CEO  
Tamkeen



**H.E. Jamal Al Loughani**  
Secretary General  
OAPEC



**H.E. Dr. Fuad Mohammed Al Ansari**  
President  
University of Bahrain



**Marco Arcelli**  
CEO  
ACWA Power



**Ali Al Baqali**  
CEO  
ALBA



**Ahmad Al Khowaiter**  
Executive Vice President  
Technology & Innovation  
Aramco



**Mark J. Thomas**  
Group CEO  
Bapco Energies



**Diego Portoghesse**  
Managing Director  
ENI Bahrain



**Peter Terium**  
CEO  
ENOWA



**Wadha Al Khateeb**  
CEO  
KNPC



**Fawaz Al Muharrami**  
Deputy COO, Engineering, Delivery  
and Supply Chain  
MASDAR



**Imad Said Ismail Ausanajali**  
Chief Operations Officer  
Nama Dhofar Services



**Abdul Amir Ajmi**  
External Affairs & Value  
Creation Director  
PDO



**Dr. Fahad Al Sherehy**  
Vice President - Carbon  
Management & Energy Efficiency  
SABIC



**Eng. Khaled Al Qureshi**  
CEO  
SWPC



**Mohammed S. Halawani**  
CEO  
TAWZEA

# STEERING COMMITTEE

## Committee Chairs



**H.E. Faihan Al Faihani**  
Undersecretary  
Ministry of Oil & Environment  
Kingdom of Bahrain



**Manal Al Madi**  
Deputy Governor of Strategic  
Partnerships & Communication  
Saline Water Conversion Corporation



**Dr. Bashir M Dabbousi**  
Director of Technology  
Strategy & Planning  
Aramco

## Members



**Dr. Tariq Nada**  
Vice President of Water  
& Technical Services  
ACWA Power



**Mohammed Khalil Saeed**  
Director - Safety & Health  
ALBA



**Abdulla Janahi**  
Chief Development & Technical Officer  
Bahrain Airport Company



**Ivo Nuic**  
Managing Director – Dhahran  
Technology Centre 4.0  
Baker Hughes



**Zaher Ibrahim**  
Vice President – MENA  
Baker Hughes



**Ahmed Khalil**  
HSE Director  
BAPCO



**Dr. Hassan Al Mulla**  
Vice President – Corporate  
Development & Portfolio Management  
Bapco Energies



**Abdulla Al Bastaki**  
General Manager for Field Operation  
Bapco Upstream



**Abdulrahman Al Banna**  
HSE Manager  
BAPCO Upstream



**Cristiano Rizzi**  
Managing Director & Senior Partner  
BCG



**Alia Busamra**  
Chief Sustainability & Climate  
Change Officer  
ENOC



**Nikolay Voutchkov**  
Executive Director  
Water Innovation Center  
ENOWA

# STEERING COMMITTEE



**Ebrahim H Al Mubarak**  
Director – Electricity & Water  
Conservation  
EWA Bahrain



**Mahmood Mirza**  
Vice Chairman  
GSMR



**Sultan Al Shehri**  
Bahrain Country Manager  
Halliburton



**Dr. T. A. Abrajano**  
Chief of Staff to the President  
KAUST



**Dr. Khawla Al Shayji**  
Deputy Director General for  
Strategic Thrust Programs  
Kuwait Foundation for the  
Advancement of Sciences (KFAS)



**Ghanim Naser Al Otaibi**  
Deputy CEO – Support Services  
KNPC



**Ali Buhaji**  
Head of Development & Investment  
MASDAR



**Mohamed Yacoub Al Janahi**  
Project Manager (WRM)  
Ministry of Oil & Environment  
Kingdom of Bahrain



**Hamza Qarooni**  
Bahrain Country Director  
Group Quality Director  
NESR



**Abdulrahman Al Yahyaei**  
CEO  
Oman Energy Association



**Brigitte Bichler**  
Head of Group - Sustainability  
OMV



**Eva-Maria Pusch**  
Group Head of Market, Competitive  
& Green Intelligence  
OMV



**Mohammed Al Shatti**  
Kuwait Governor  
OPEC



**Mahmoud Shukri**  
Corporate HSE Manager  
PDO



**Hani Al Khalifa**  
President  
Produced Water Society  
Middle East



**Hamid Al Harthi**  
Director - MEA Sustainability  
SABIC



**Amin Abdel Tawab**  
Vice President – Middle East  
for Water & Wastewater  
Schneider Electric



**Somaya Al Radhi**  
Bahrain Country Manager  
SLB



**Sulaiman Turki**  
Executive Director – Technical Affairs  
Saudi Water Partnership Company



**Manal Al Kharboosh**  
Corporate Communication &  
Marketing Director  
WTTCO

# TECHNICAL COMMITTEE

## Committee Chairs



**Mahmood Mirza**  
Vice Chairman  
GSMR



**Dr. Ibraheem Al Mansouri**  
Director of Engineering  
MASDAR



**Dr. Tidjani Niass**  
Senior Consultant Technology & Strategy  
Aramco

## Members



**Dr. Sumaya Yusuf Hasan**  
Chairperson, Department of Natural  
Resources & Environment  
Arabian Gulf University



**Dr. Ali Fardan**  
Head of ESG  
ALBA



**Noor Abdulrahman**  
Senior Project Manager  
Bahrain Airport Company



**Dr. Naeem Minhas**  
Sustainability & Decarbonization  
Tech. Champion  
Baker Hughes Technology Centre



**Ahmed Khalil**  
HSE Director  
BAPCO



**Mohammed Ghassan**  
Environmental Specialist  
BAPCO



**Maram Al Sabbagh**  
Environmental Coordinator  
BAPCO



**Tahani Hussain**  
Manager - ESG  
Bapco Energies



**Pablo Avogadri**  
Partner and Associate  
Director - Energy  
BCG



**Saeed El Zaemey**  
Business Development Manager  
Renewables & Water  
Tractebel Engineering



**Rafaella Salamone**  
Head of International  
Environmental Initiatives  
ENI Rewind



**Brijesh Dhruve**  
Senior Sustainability Specialist  
ENOC



**Dalal Fuad Al Baharna**  
Environmental Specialist  
Ministry of Electricity & Water Affairs  
Kingdom of Bahrain



**Sadeq A. Jalil**  
Senior General Engineer  
EWA Bahrain



**Dr. Yoshihide Wada**  
Director Biodiversity & Natural  
Resources IIASA  
KAUST



**Lamyaa Al Kandari**  
Team Leader - Research & Innovation  
KNPC



**Hosam Ali Jamal**  
Team Leader - Environment  
KNPC



**Eng. Ahmed Al Qattan**  
Senior Engineer WRM  
Ministry of Oil & Environment  
Kingdom of Bahrain

# TECHNICAL COMMITTEE



**Talal Al Jarbou**  
Senior Technical Specialist  
Energy & Water Price Reform  
Committee



**Eng. Hajar Budhahi**  
Project Engineer  
Ministry of Oil & Environment  
Kingdom of Bahrain



**Suha Al Saif**  
Sustainability Director  
NESR



**Aqeel Jaffar**  
Chief Chemist & Environmental Officer  
ACWA Power (NOMAC)



**Sandra Salamonski**  
Competitive Intelligence Manager  
OMV



**Ulrich Knauthe**  
Competitive Intelligence Manager  
OMV



**Alexander Al Samahiji**  
Energy & Technology Consultant



**Nabil Al Lawati**  
Head of Environment  
PDO



**Hani Al Khalifa**  
President  
Produced Water Society  
Middle East



**Uthman Al Zahrani**  
Senior Manager  
Sustainability Strategy  
SABIC



**Eng. Hassan Marzouq**  
Head of Meteorological  
Observation Unit  
Supreme Council for Environment  
Kingdom of Bahrain



**Mohammed Shamlooh**  
Environmental Specialist  
Supreme Council for Environment  
Kingdom of Bahrain



**Joseph El Basha**  
Water & Wastewater  
Segment Consultant  
Schneider Electric



**Saud Al Showaiey**  
Technical Consultancy Leader  
SIRC



**Mawaheb Mohamed**  
Business Development Manager  
SLB



**Abdullah Al Swaid**  
Director - International Committees  
Saline Water Conversion Corporation



**Nasser Al Adwani**  
Director - Innovation  
Saline Water Conversion Corporation



**Layla Janahi**  
ESG Champion  
Tatweer Petroleum



**Mubarak Al Anazi**  
Engineering Advisor  
Water & Electricity Regulatory  
Authority KSA



**Anas Al Funtukh**  
Director Commercial Transactions  
WTTCO

# ORGANISING COMMITTEE

## Committee Chairs



**Ahmed Al Haddad**

Chief of PR  
Ministry of Oil & Environment  
Kingdom of Bahrain



**Reem Ebrahim**

Events Consultant  
Bapco Energies

## Members



**Joshua Minhas**

Business Manager - Technology  
& Support  
Aramco



**Hawra Abdulla**

International Organization Specialist  
EWA Bahrain



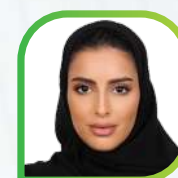
**Razan Al Salman**

Media Specialist  
EWA Bahrain



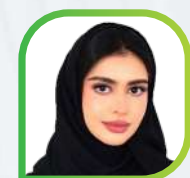
**Fatemah Mohammad  
Mubarak Al Sori**

Senior Controller - External  
Communications  
KNPC



**Hamda Al Khater**

Water Resources Management Unit  
Ministry of Oil & Environment  
Kingdom of Bahrain



**Shooq Al Araifi**

Water Resources Management Unit  
Ministry of Oil & Environment  
Kingdom of Bahrain



**Amal Ebrahim**

HR Business Partner  
NESR



**Osama Al Zadjali**

GM - Member Network Management  
OPAL



**Mohammed Al Ghareebi**

Manager - External Affairs &  
Communications  
PDO



**Hani Al Khalifa**

President  
Produced Water Society  
Middle East



**Farah Rabea**

Director  
Marketing & Customer Experience  
Tamkeen



**Haifa Al Mojeel**

Brand & Content  
Corporate Communications  
WTTCO



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# PROGRAMME STRUCTURE



0730 - 0900	Registration & Welcome Tea/Coffee	PRE-FUNCTION HALL
0900 - 0930	VIP Reception	MAJLIS
0930 - 0945	Exhibition Inauguration by H.E. Deputy Prime Minister, Kingdom of Bahrain	AL DANA 3 & 4
0945 - 0950	MC Opening & Introduction	AL DANA 1 & 2
0950 - 0955	Welcome Address by H.E. Minister of Oil & Environment, Kingdom of Bahrain	AL DANA 1 & 2
0955 - 1000	Host Address by UNEP	AL DANA 1 & 2
1000 - 1005	Special Address by Aramco	AL DANA 1 & 2
1005 - 1010	GCC Keynote Address	AL DANA 1 & 2
1010 - 1025	International Keynote Address	AL DANA 1 & 2
Theme: Enabling Water Security through Sustainable Energy in the context of Climate Change		
1025 - 1030	Recognition Ceremony	AL DANA 1 & 2
1030 - 1130	Opening Panel	AL DANA 1 & 2
Theme: Water - Energy - Climate Nexus   Time for Action		
1130 - 1300	Prayer & Networking Lunch Break	
<b>GLOBAL LEADERS FORUM</b>		
1300 - 1305	Keynote Address - 01	AL DANA 1 & 2
Theme: Enabling Policies for Sustainable Water & Energy Management in Changing Climate		

1305 - 1400	Leadership Panel 01 Theme: Enabling Policies for Sustainable Water & Energy Management in Changing Climate	AL DANA 1 & 2
1400 - 1415	Exhibition Visit & Tea/Coffee Break	AL DANA 3 & 4
1415 - 1420	Keynote Address 02 Theme: Investing for Water & Energy Sustainability	AL DANA 1 & 2
1420 - 1515	Leadership Panel 02 Theme: Investing for Water & Energy Sustainability	AL DANA 1 & 2
1515 - 1530	Exhibition Visit & Tea/Coffee Break	AL DANA 3 & 4
1530 - 1630	Leadership Panel 03 Theme: The Energy Trilemma   Affordability, Security, Sustainability	AL DANA 1 & 2
1900 - 2100	Gala Networking Dinner and Recognition of Partners	AL DANA 1 & 2

## DAY 2 - WEDNESDAY | 6 SEPTEMBER 2023

## CONFERENCE & EXHIBITION

0730 - 0830	Registration & Welcome Tea/Coffee	PRE-FUNCTION HALL
0830 - 0835	Opening Remarks & Synopsis Video of Opening Ceremony	AL DANA 1 & 2
0835 - 0840	Keynote Address 03 Theme: Emerging Technologies and Solutions for Water & Energy Sustainability	AL DANA 1 & 2
0840 - 0940	Leadership Panel 04 Theme: Emerging Technologies and Solutions for Water & Energy Sustainability	AL DANA 1 & 2
0940 - 1000	Exhibition Visit & Tea/Coffee Break	AL DANA 3 & 4

1000 - 1115	Technical Session		<b>Technology Forum</b>  <b>Theme: Emerging Technologies - Enabling a Sustainable Water and Energy Future</b>
	<b>TS 01</b> (AL DANA 2) ..... <b>Theme: Management of Wastewater Treatment and Reuse</b>	<b>TS 02</b> (AL MURJAN 1 & 2) ..... <b>Theme: Community Engagement for Water and Energy Conservation</b>	
1115 - 1130	Exhibition Visit & Tea/Coffee Break		
	AL DANA 3 & 4		
1130 - 1215	Technical Session		
	<b>TS 03</b> (AL DANA 2) ..... <b>Theme: Sustainable Financing for Water and Energy Security</b>	<b>TS 04</b> (AL MURJAN 1 & 2) ..... <b>Theme: Produced Water Management</b>	
1215 - 1300	Prayer & Networking Lunch Break		
1300 - 1415	Technical Session		
	<b>TS 05</b> (AL DANA 2) ..... <b>Theme: Water, Energy and Climate Change Case Studies</b>	<b>TS 06</b> (AL MURJAN 1 & 2) ..... <b>Theme: Digital Transformation and Innovation</b>	
1415 - 1430	Exhibition Visit & Tea/Coffee Break		
1430 - 1530	Leadership Panel - 05		AL DANA 1 & 2
	Theme: Role of Community in Water & Energy Security		
1530	Closing Remarks & Way Forward		AL DANA 1 & 2

## DAY 2 - WEDNESDAY | TECHNOLOGY FORUM

1000 - 1010	Technology Keynote Address Theme: Emerging Technologies - Enabling a Sustainable Water and Energy Future	AL DANA 1
1010 - 1050	Technology Presentation Session 1 Theme: Case Studies on Global Technologies in Water & Energy	AL DANA 1
1050 - 1100	Exhibition Visit & Tea/Coffee Break	AL DANA 3 & 4
1100 - 1130	Technology Presentation Session 2 Theme: Latest R&D in Water & Energy Sustainability	AL DANA 1
1130 - 1215	Technology Panel Discussion Theme: Challenges & Opportunities Associated with Introducing New Technologies	AL DANA 1
1215 - 1300	Lunch & Prayer Break	
1300 - 1415	Technology Roundtable Discussion Theme: Emerging Technologies - Enabling a Sustainable Water and Energy Future	AL DANA 1
1415 - 1430	Closing Remarks	AL DANA 1

DAY 3 - THURSDAY | 7 SEPTEMBER 2023

0800 - 0900

Workshop Registration

PRE-FUNCTION HALL

0900 - 1530

Parallel Workshops

Workshop 01 (AL DANA 2)

Theme: Integrated Water Resources Management

Workshop 02 (AL DANA 3)

Theme: Net Zero Roadmaps

Workshop 03 (AL DANA 4)

Theme: Mainstreaming Circularity in Wastewater Management

Workshop 04 (AL MURJAN 1 & 2)

Theme: Water - Energy - Food Nexus

Workshop 05 (AL AMWAJ 1 & 2)

Theme : Mobilizing Financing for Energy Transition, Water Sustainability & Climate Action in the GCC

**Youth Forum**

Theme: Empowering Youth for Water & Energy Sustainability

## DAY 3 - THURSDAY | YOUTH FORUM

0845 - 0900	<b>Welcome Keynote</b> Theme: Empowering Youth for Water & Energy Sustainability	AL DANA 1
0900 - 1000	<b>Technical Session</b> Theme: Success Stories on the Impact of Youth in Water & Energy Sustainability	AL DANA 1
1000 - 1030	<b>Tea/Coffee Break</b>	PRE-FUNCTION HALL
1030 - 1230	<b>Youth - Leaders Dialogue</b> Theme: Unearthing Potential in Advancing Water & Energy Sustainability	AL DANA 1
1230 - 1330	<b>Lunch &amp; Prayer Break</b>	
1330 - 1415	<b>Youth Panel Discussion</b> Theme: Challenges for the Youth in Advocating Water & Energy Sustainability	AL DANA 1
1415 - 1500	<b>Youth Interactive Panel</b> Theme: Role of Youth in Water & Energy Sustainability	AL DANA 1



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# CONGRESS PROGRAMME

# REGISTRATION PARTNER





# OPENING CEREMONY PARTNER

المؤسسة العامة لتحلية المياه المالحة  
Saline Water Conversion Corporation (SWCC)



0730 - 0900	Registration & Welcome Tea/Coffee	PRE-FUNCTION HALL
0900 - 0930	VIP Reception	MAJLIS
0930 - 0945	Exhibition Inauguration	AL DANA 3 & 4



**His Excellency Shaikh Khalid Bin Abdulla Al Khalifa**  
Deputy Prime Minister  
Kingdom of Bahrain

0945 - 0950	MC Opening & Introduction	AL DANA 1 & 2
0950 - 0955	Welcome Address	AL DANA 1 & 2



**His Excellency Dr. Mohamed bin Mubarak Bin Daina**  
Minister of Oil and Environment  
Special Envoy for Climate Affairs  
Kingdom of Bahrain

0955 - 1000	Host Address	AL DANA 1 & 2
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**Dr. Abdul Majeid Haddad**  
Deputy Regional Director  
United Nations Environment Programme (UNEP)

1000 - 1005

Special Address

AL DANA 1 & 2



**Ahmad Al Khowaiter**  
Executive Vice President – Technology & Innovation  
Aramco

1005 - 1010

GCC Keynote Address

AL DANA 1 & 2



**Mohammad A. Abunayyan**  
Founder & Chairman  
ACWA Power

1010 - 1025

International Keynote Address

AL DANA 1 & 2

**Theme:** Enabling Water Security through Sustainable Energy in the context of Climate Change

In an era where climate change poses unprecedented threats globally to all aspects, exploring innovative solutions that intersect both sustainability and security has become imperative. This keynote address aims to shed light on the essential role sustainable energy plays in not only mitigating the effects of climate change for water security but also ensuring a safer and more prosperous future for all. We will delve into the complex and interconnected relationship between energy, water, and climate change, examining their interdependencies and the urgent need for actionable strategies to address them effectively. The distinguished speakers, equipped with extensive expertise and insights, will explore various dimensions of this critical topic. From highlighting the pressing security concerns stemming from climate change to showcasing how sustainable energy solutions can help mitigate risks and foster resilience, attendees will gain a deeper understanding of the challenges as well.



**Saroj Kumar Jha**  
Global Director, Water Global Practice  
The World Bank Group



**Dr. Kala Vairavamoorthy**  
Executive Director  
International Water Association

1025 - 1030

Recognition Ceremony

AL DANA 1 & 2

**Theme:** Water - Energy - Climate Nexus | Time for Action

Water, Energy & Food are essential for quality of life and sustainable development. GCC countries have significant endowment of energy resources in the form of hydrocarbons and renewables, but scarce ground water resources, and harsh and hot living environment makes quality of life a challenge in the region. For many years, GCC countries have relied on abundant oil and gas resources to produce water, improve energy access, and increase agriculture yields for a rising population and growing industrial activities. However, the reliance on oil and gas to improve quality of life has resulted in GHG emissions into the atmosphere and climate change concerns that are increasing the stress on the Water-Energy-Food nexus. Desalination, Air Conditioning, and industrial operations are major sources of GHG emissions across the GCC. In the foreseeable future, oil and gas will continue to play an important role in addressing basic needs for quality of life, but carbon emissions resulting from their use must be controlled and aligned with national commitments for reaching carbon neutrality. To cope with climate change issues, GCC countries will have to rethink the inter-dependencies between Water, Energy & Food production in order to achieve a more sustainable development. New strategies and technologies are required to align the Water-Energy-Food nexus on carbon neutral trajectories.

This session will discuss actions taken by GCC governments to align their strategies on carbon neutral trajectories and achieve sustainable development. Topics of discussion will span strategies and policies for reducing emissions, managing and securing water resources while meeting the needs of the populations.

## MODERATOR



**Sarah Cocker**  
Managing Director, Amplify &  
Former TV Anchor, CNBC

## PANELISTS



**H.E. Dr. Eesa Mohammed Bastaki**  
Chairman of Academia & Youth  
Platform, WGEO  
President, University of Dubai



**Dr. Abdul Majeid Haddad**  
Deputy Regional Director  
UNEP



**Dr. Kala Vairavamoorthy**  
Executive Director  
International Water Association

# GLOBAL LEADERS FORUM PARTNER

**aramco**



**Theme:** Enabling Policies for Sustainable Water and Energy Management in Changing Climate

AL DANA 1 & 2

This Keynote & Leadership Panel will focus on the development and implementation of effective policies that can drive sustainable water and energy management in the context of our changing climate within the GCC. The panel will feature six distinguished experts, each bringing a unique perspective on policy-making, sustainability, and climate change.

1300 - 1305

Keynote Address 1



**Eng. Abdullah Al Zowaid**  
Deputy Governor – Production Affairs  
Saline Water Conversion Corporation

1305 - 1400

Leadership Panel 1

MODERATOR



**Cristiano Rizzi**  
Managing Director & Senior Partner  
Boston Consulting Group

PANELISTS



**Dr. Abdullah Al Subaie**  
General Director of  
Sustainability & Climate Change  
Ministry of Energy  
Kingdom of Saudi Arabia



**Hana Al Hashimi**  
Chief Climate Negotiator  
United Arab Emirates



**Saroj Kumar Jha**  
Global Director  
Water Global Practice  
The World Bank Group



**Dr. Tariq Nada**  
Vice President  
Water & Technical Services  
ACWA Power



**Dr. Abdul Majeid Haddad**  
Deputy Regional Director  
United Nations Environment  
Programme (UNEP)



**Prof. Waleed Zubari**  
Professor - Water Resources  
Management  
Arabian Gulf University

1400 - 1415

Exhibition Visit & Tea/Coffee Break

AL DANA 3 & 4

This high-level Keynote and Leadership Panel discussion will delve into the financial aspects of Water and Energy Sustainability, exploring the avenues, challenges, and rewards of investing in these sectors. The Lead Keynote Speaker and panelists for this session will shed light on the financial mechanisms, strategies, and trends that can facilitate a sustainable future in Water & Energy Management.

1415 - 1420

Keynote Address 2



**Peter Terium**  
Chief Executive Officer  
ENOWA

1420 - 1515

Leadership Panel 2

MODERATOR



**Hisham Abu Al Fateh**  
Chief Corporate  
Communications Officer  
National Bank of Bahrain

PANELISTS



**Eng. Khaled Al Qureshi**  
CEO  
Saudi Water Partnership Company



**Marco Arcelli**  
CEO  
ACWA Power



**Usman Ahmed**  
Group CEO  
National Bank of Bahrain



**Tomaz Guadagnin**  
Managing Director Flexible  
Generation GCC  
ENGIE



**Zoë Knight**  
Group Head, Centre of Sustainable Finance &  
Head of Climate Change MENAT  
HSBC Bank Middle East Limited

1515 - 1530

Exhibition Visit & Tea/Coffee Break

AL DANA 3 & 4

**Theme:** The Energy Trilemma | Affordability, Security, Sustainability

Transitioning to a Net-Zero world, remains a top priority in the global agenda. Governments, industries and private actors are making commitments to curve their emissions and align their energy strategies with net-zero trajectories. While there is an international agreement to reach net-zero emissions in the second half of this century, the pace and timing for reaching such a target remain country dependent as there is no one size fits all approach. So far, climate debates have mostly focused on reducing fossil energy consumption, undermining other fundamental dimensions of a reliable global energy system.

A realistic energy transition would require an inclusive approach, valuing all technologies, sustainable financing and low-carbon energy sources while considering the energy trilemma by balancing security of energy supply, energy affordability and environmental sustainability. In addition, many key low-carbon technologies rely on critical minerals whose availability at the required scale and supply chains remain unproven.

In this strategic leadership the industry leaders will share their perspectives on how they view the energy transition journey, taking into consideration complex interdependencies on energy supply, energy affordability, environmental sustainability, technology, and new material supply chains.

## MODERATOR

**Sarah Cocker**

Managing Director, Amplify &  
Former TV Anchor, CNBC

## PANELISTS

**Ahmad Al Khowaiter**

Executive VP - Technology  
& Innovation  
Aramco

**Mark Thomas**

Group CEO  
Bapco Energies

**Peter Terium**

CEO  
ENOWA

**Bart Boesmans**

CTO  
ACWA Power

**Abdul Amir Ajmi**

External Affairs  
Value Creation Director  
PDO

**Dr. Mohab Ali Al Hinai**

VP - Sustainability &  
Circular Economy  
be'ah



## DAY 2 - WEDNESDAY | 6 SEPTEMBER 2023

0730 - 0830

Registration

PRE-FUNCTION HALL

0830 - 0835

Opening Remarks & Synopsis Video of Opening Ceremony

AL DANA 1 & 2

**Theme:** Emerging Technologies and Solutions for Water & Energy Sustainability

AL DANA 1 & 2

Water and Energy Sustainability cannot be the responsibility of just a few industries – if our resources are to be protected, sustainability must be a global priority. As the demand for energy and water increases, technology together with other initiatives will and should will contribute towards sustainability of Water & Energy resources. Technology plays a vital role in addressing basic human needs by improving our quality of life and creating opportunities for sustainable growth on a national, regional and global level. This keynote & panel is expected to focus on the development of improved and efficient sustainable energy and water technologies. The panelists will share their experience and perspectives on introducing such technologies that have or will reduce global environment impacts.

0835 – 0840

Keynote Address 3



**Mohammed S. Halawani**  
Chief Executive Officer  
Tawzea

## MODERATOR

**Ferdinand Varga**

Managing Director & Senior Partner  
Boston Consulting Group

## PANELISTS

**Raad Al Saady**

Vice Chairman & Managing Director  
ACWA Power

**Gregory Welch**

Director of Business  
Development  
ENOWA

**Moin Muhammad**

Vice President - Chemicals  
Water & Technology Center  
NESR

**Antonio Di Cecca**

Chief Operating Officer  
Tabreed

**Julio de la Rosa**

Middle East Director  
Water Solutions  
ACCIONA

## Technical Session 1

AL DANA 2

**Theme:** Management of Wastewater Treatment and Reuse

Population Growth, Urbanization and Climate Change imply an ongoing raising exploitation of natural water sources that implicate the need to preserve both groundwater and superficial water bodies. A proper resources management and the treatment of wastewater are mandatory to achieve this goal and avoid the depletion of the precious fresh water. This session will address the management of wastewater, the treatment mechanisms and its reuse from a global perspective with speakers from industry, government and academia

## SESSION CHAIR

**Bader Mohamed Al Mansoori**  
Plants Operation Manager  
GPIC

## SPEAKERS

**Dr. Mohammed Wahba**  
Vice President Honorary  
ICID

**Raffaella Salamone**  
Head of International Initiatives  
ENI Rewind

**Dr. Mona A. Aziz Al Jar**  
Academic Faculty Member  
University of Bahrain

**Dr. Ahmed Khan**  
Technical Resource Manager  
SIRC

## Technical Session 2

AL MURJAN 1 &amp; 2

**Theme:** Community Engagement for Water & Energy Conservation

Any meaningful engagement program will provide ongoing opportunities for communities to participate in the decision-making process and enable customers to understand current and future challenges especially in Water and Energy Conservation. Community engagements promote voluntary actions and encourage behavior that could have big impact on mitigating climate change, saving energy, and building sustainable communities. Any water and energy conservation campaign will fail unless communities are fully engaged and committed, however this can only happen if they are aware of its importance, options, and the tools available and how will it benefit them.

This session will focus on how communities can support and be involved with the various conservation initiatives, how can they contribute to saving energy in its various forms and what are the methods available and how can it be utilized. This would require a lot of awareness from the energy providers so that they are given the opportunity to understand their obligation but more importantly the manner in which they should be involved. Trust and transparency between all concerned parties are key factors for the success of such important programme.

## SESSION CHAIR

**Noor A. Abu Hassan**  
Head of Planning & Development Group  
Ministry of Works  
Kingdom of Bahrain

## SPEAKERS

**Dr. Kala Vairavamoorthy**  
Executive Director  
International Water Association

**Sara Al Mahmeed**  
General Engineer  
EWA Bahrain

**Fazil Abdul Rahiman**  
VP - Sustainability &  
Climate Change  
TAQA

**Haitham S Bahashwan**  
Environmental Division  
Superintendent  
YASREF

## Technical Session 3

AL DANA 2

**Theme:** Sustainable Financing for Water & Energy Security

Sustainable Financing will address the process of taking ESG considerations into account when making investment decisions in the financial sector, leading to more long-term investments in sustainable economic activities and projects. This session will enable attendees to understand how Sustainable Financing can accelerate Water & Energy Security through investing in sustainable projects. The session will showcase case studies, global initiatives and best practices in line with Sustainable Investment & Financing.

## SESSION CHAIR

**Tahani Hussain**  
Manager – ESG  
Bapco Energies

## SPEAKERS

**Moath Al Shonaify**  
VP - Finance BU PM Gulf  
Regional CFO  
ACWA Power

**Abdullah Salim Suhail Al Awaid**  
Wastewater Projects Manager  
NAMA

**Abdullah Bin Tuwaym**  
VP - Transactions Management  
SWPC

## Technical Session 4

AL MURJAN 1 &amp; 2

**Theme:** Produced Water Management

Produced water which is a byproduct during the oil production process contains various substances, such as hydrocarbons, salts, metals, and chemicals, that can pose environmental and health risks if not properly managed. Produced water management is essential for the sustainability and profitability of the oil and gas industry, as well as for the protection of the environment and human health. This session will feature expert speakers that will provide an overview of the regulatory framework, the challenges, and the water treatment solutions for managing produced water through regional and global case studies.

## SESSION CHAIR

**Nabil Al Lawati**  
Head - Corporate Environment  
PDO

## SPEAKERS

**Hussain Ali Basha**  
Technical & Sales Manager  
NESR

**Mundhir Al Battashi**  
Water Management Engineer  
PDO

**Seung Hak Choi**  
Research Science Specialist  
Aramco

1300 - 1415

## Parallel Technical Sessions

### Technical Session 5

AL DANA 2

**Theme:** Water, Energy & Climate Change Case Studies

This session will have the speakers provide valuable insights into the challenges and opportunities related to Water, Energy, and Climate Change, and showcase real-world case studies regionally and globally of successful solutions and strategies. These case studies about the intersection of water, energy, and climate change will provide an opportunity for the region to reassess their models of natural resources sustainability and security through climate protection.

#### SESSION CHAIR

**Raghunadhababu Vadlamudi**  
President  
Bahrain Solar Industry  
Association

#### SPEAKERS

**Fatmah Abdulhadi Mohammad**  
Field Environment Engineer  
KNPC

**Abdullah Saeed Al Jubran**  
Regional Director  
Gulf Portfolio Management  
ACWA Power

**Brigitte Bichler**  
Head of Group Sustainability  
OMV

**Mohammed Basheer**  
Climate Change Specialist  
Supreme Council for  
Environment  
Kingdom of Bahrain

### Technical Session 6

AL MURJAN 1 & 2

**Theme:** Digital Transformation and Innovation

Transformation is the integration of digital and innovation in all area of business, it is changing how the business operate and deliver value to customers. Also, it is a cultural change that requires organization to face changes, challenges and accepts failure. The aim of this session is to share the challenges that the company faces when they start transforming the business and help attendees to get insight on Digital Transformation and Innovation.

#### SESSION CHAIR

**Dr. Naeem Minhas**  
Sustainability & Decarbonization  
Tech. Champion  
Baker Hughes

#### SPEAKERS

**Gregory Welch**  
Director of Business  
Development  
ENOWA

**Mir Dawar Ali**  
Executive Director – Digital  
ACWA Power

**Eva-Maria Pusch**  
Group Head of Market  
Competitive & Green Intelligence  
OMV

**Maryam Ali Al Hamar**  
Manager Information Technology  
Bapco Energies

1415 - 1430

## Exhibition Visit & Tea/Coffee Break

AL DANA 3 & 4

**Theme:** Role of Community in Water & Energy Security

Water and Energy are interconnected, a relationship that is becoming more important as we combat the global water crisis while pressing forward with the energy transition. Everyone needs to work together if we hope to solve the biggest challenges surrounding the water-energy nexus. Local communities have a vital role to assist other stakeholders including governmental institutions and both water and energy industry players in solving such water-energy challenges as what affect one party and industry affects the other.

During this session, panelists will discuss the important connection between water and energy security, the importance of stakeholder engagement in meeting global climate challenges, and the specific roles that local communities can play to assist decision makers in choices made related to water and energy security. Some case studies from around the world will be shared with the audience on examples of successful stories on community engagement in water and energy security issues.

**MODERATOR**

**Suha Al Saif**  
Sustainability Director  
NESR

**PANELISTS**

**Mohammed S. Halawani**  
Chief Executive Officer  
Tawzea



**Dr. Kala Vairavamoorthy**  
Executive Director  
International Water Association



**Dr. Khawla Al Shayji**  
Deputy Director General for  
Strategic Thrust Programs  
Kuwait Foundation for the  
Advancement of Sciences (KFAS)



**Eng. Hebah Abbas**  
Chairwoman – Sustainability Committee  
Kuwait Water Association

# TECHNOLOGY FORUM PARTNER



**Theme:** Emerging Technologies: Enabling a Sustainable Water and Energy Future

AL DANA 1

Technology Forum, a dynamic and innovative segment of the Water, Energy, and Climate Change Conference will be hub of groundbreaking ideas, cutting-edge technologies, and collaborative discussions focused on addressing significant challenges at the intersection of Water, Energy, and Climate Change. The forum will serve as a platform where renowned experts, scientists, engineers, and entrepreneurs converge to share their knowledge, insights, and visions for a sustainable and resilient future. The Technology Forum also nurtures a spirit of collaboration and partnership. It will host dedicated networking spaces, where participants can engage in informal conversations, establish connections, and forge new alliances. By harnessing the power of technology, fostering collaboration, and nurturing innovation, the forum strives to drive a paradigm shift towards a more resilient, equitable, and sustainable future for our planet.

1000 - 1010

Technology Keynote Address



**Tariq Ghassan Al Ghaffari**  
Deputy Governor for Research & Innovation  
Saline Water Conversion Corporation



**Thomas Altmann**  
Executive Vice President  
Innovation & New Technology  
ACWA Power



1010 – 1050

Presentation Session 1

AL DANA 1

**Theme:** Case Studies on Global Technologies in Water & Energy

With an ever-increasing demand for these vital resources, advancements in technology offer innovative solutions to pressing global challenges. In this session, we will hear from leading experts who will share their experiences and insights on the latest technologies being used in Water & Energy management. Presentations will focus on real-world case studies that demonstrate the potential of these technologies to increase efficiency, reduce wastage, and enhance sustainability. From smart grids and energy storage to desalination and wastewater treatment, this session will showcase cutting-edge technologies that are shaping the future of water and energy management.

SESSION CHAIR

**Mawaheb Mohamed**  
Business Development Manager  
SLB

SPEAKERS

**Dr. Johannes Vrouwenvelder**  
Director - Water Desalination & Resuse Center  
& Professor - Environmental Biotechnology  
KAUST

**Qazi Saeed**  
Water Treatment Service Manager  
NESR

**Dr. Kamal M. Sassi Al Muteer**  
Assistant Professor  
University of Bahrain

1050 – 1100

Exhibition Visit & Tea/Coffee Break

AL DANA 3 & 4

1100 – 1130

Presentation Session 2

AL DANA 1

**Theme:** Latest R&D in Water & Energy Sustainability

Water and energy sustainability is a crucial topic in today's world. As populations continue to grow and resources become scarcer, it is essential to find ways to preserve and efficiently use these resources. Research and development in this field are ongoing, with new technologies and approaches being developed to address the challenges of water and energy sustainability. The key area of focus is the impact and how digital tools can be used to improve operations in Water & Energy sustainability. During this session, the speakers will discuss the impact of digital technologies, the Water-Energy Nexus, data analysis, innovative technologies, and collaboration for a comprehensive approach to water and energy sustainability.

SESSION CHAIR

**Qazi Saeed**  
Water Treatment Service Manager  
NESR

SPEAKERS

**Dr. Basma Al Najar**  
Faculty Member  
University of Bahrain

**Dr. Ammar Al Ahmed**  
Senior Lab Scientist  
Aramco

**Ali Al Aithan**  
Business Development Manager  
Messaben

**Theme:** Challenges & Opportunities Associated with Introducing New Technologies

As the world seeks sustainable and efficient solutions to address pressing water, energy and environmental concerns, development & integration of innovative technologies plays a vital role. This offers a great opportunity to tech. developers, innovators and entrepreneurs as the solutions to these problems have economical and social impact on individuals, companies as well as the governments at large. However, these opportunities do come with certain challenges. Some of these include; technological & innovative complexities, lack of infrastructure and investments, policy and regulations, lack of collaboration and social acceptance. During this session, the panelists will aim to give a comprehensive overview of the challenges and opportunities associated with introducing new technologies in energy transition and sustainability by engaging in thought-provoking discussions.

**MODERATOR**



**Dr. Naeem Minhas**  
Sustainability & Decarbonization  
Tech. Champion  
Baker Hughes

**PANELISTS**



**Tariq Ghassan Al Ghaffari**  
Deputy Governor for Research  
& Innovation  
Saline Water Conversion Corporation



**Dr. Mohammed Al Hazmi**  
Director – Operational  
Excellence T&I  
SABIC



**Wael Abdallah**  
Managing Director - SDCR  
SLB



**Dr. Mohammed Wahba**  
Vice President Honorary  
ICID



**Dr. Ali Fardan**  
Head of ESG  
ALBA

**Theme:** Emerging Technologies: Enabling a Sustainable Water and Energy Future

The round table discussion will focus on the theme of **“Emerging Technologies: Enabling a Sustainable Water & Energy Future”**. This discussion will delve into the latest technological advancements that are revolutionizing the water and energy sectors, with a particular focus on their potential to create a more sustainable future.

The session will predominately be an informal discussion with attendees seated around the tables in the conference hall. There will be 14 roundtable discussions being held parallel to each other. Each round table will be dedicated to each of 14 participating companies. The role of the speaker is to introduce the topic and prompt the discussion with the attendees and share their experience and insights on the topic. It is not essential to deliver a presentation during this session, however if it is required, the arrangements must be handled from the participating company in advance.

## PROGRAMME FLOW

1300 - 1305	Introduction by the Session Moderator <b>Hani Al Khalifa, President, Produced Water Society</b>
1305 - 1325	Discussion – Round 1
1325 - 1330	Break Point - Shuffling of the Attendees
1330 - 1350	Discussion – Round 2
1350 – 1355	Break Point - Shuffling of the Attendees
1355 - 1415	Discussion – Round 3
1415	Closing Remarks

## PRESENTING ORGANISATIONS



**Ali Al Aithan**  
Business Development  
Manager  
Messaben

**Topic:** The Status & Development of Oil & Gas Wastewater Treatment to reach Zero Liquid Discharge



**Dr. Samer Al Jishi**  
President  
BFG International

**Topic:** Off Grid Individual or Small-Scale Sanitation and Water Recycling Solutions



**Navkaran Singh**  
Founder & CEO  
Akvosphere

**Topic:** Sustainable Development & Water Scarcity Solutions



**Ebrahim Ahmed Radhi**  
Board Member  
Green Innova

**Topic:** Merging Energy Efficiency Measures with Renewables



**Dr. Azzan Al Yaarubi**  
SNE Technical Director  
KSA & OPG  
SLB

**Topic:** SLB New Energy Accelerating Decarbonization through Innovation & Science on a Global Scale



**Thomas Altmann**  
Executive Vice President  
Innovation & New Technology  
ACWA Power

**Topic:**



**Julio de la Rosa**  
Middle East Director Water Solutions  
ACCIONA

**Topic:** Incorporation of New Technologies to Improve Water Plants Efficiency and Sustainability



**Eng. Ali H. Al Shehri**  
Business Development  
& Strategic Partnership  
Director  
WTTCO

**Topic:** Exploring the Power of Digital Twin in Water Transmission Systems



**Qazi Saeed**  
ESG Service Manager  
NESR

**Topic:** Thermal Harvesting - Waste Heat to Power



**Shinu Jose**  
Director- Carbon  
Aarksee

**Topic:** Decarbonization & Sustainability through 4IR Technologies- MENA Region & Beyond



**Dr. Abdul Majeid Haddad**  
Deputy Regional Director  
UNEP

**Topic:** International Climate Technologies Mechanism



**Oskar Laupsa**  
Business Development  
Manager  
Yellow Door Energy

**Topic:** Save Money and Go Green - Solar Power for your Business



**Sumitava Sengupta**  
Senior General Manager  
Yokogawa Middle East and Africa

**Topic:**



**Hussain Sharrofna**  
Emissions Strategy  
Sustainability  
Baker Hughes

**Topic:** Emissions Quantifications and Management

**YOUTH FORUM  
PARTNER**



**توزيع**  
**TAWZEER**

**Theme:** Empowering Youth for Water & Energy Sustainability

AL DANA 1

This Youth Forum is a dynamic platform that aims to empower young individuals in creating a sustainable future for our planet. It will focus on the importance of engaging and empowering young people in initiatives aimed at achieving sustainable practices in the fields of water and energy. It will also allow us to explore the critical role of youth in addressing the global challenges of water scarcity, energy conservation, and climate change, specific to the GCC region.

This Forum will illustrate the unique position of young professionals as they navigate and lead the complex landscape of sustainability. It will explore how youth, with their energy, passion and unique perspective, act as catalysts for innovative solutions.

0845 – 0900

Welcome Address



**Hafedh Al Qassab**

Acting Deputy Chief Executive - Operations  
BMP Project Director  
BAPCO

0900 – 1000

Technical Session

AL DANA 1

**Theme:** Success Stories on the Impact of Youth In Water & Energy Sustainability

Success stories are common; it is noted as a narrative of an achieved success through hard work, dedication and determination in achieving a goal that creates visibility, credibility and clarity to others to get inspired and take action. By Exploring success stories and highlighting the profound impact of youth in achieving water and energy sustainability; this session aims to inspire and empower others to take meaningful action towards ensuring a sustainable future for water and energy resources.

The audience will gain valuable knowledge and learning opportunities, including an understanding of the transformative potential of youth-led initiatives, practical strategies for implementing sustainable solutions, and the importance of fostering youth empowerment for a more sustainable future.

## SESSION CHAIR

**Dr. Abdulrahman Al Suhaibani**  
Senior Research Engineer  
Aramco

## SPEAKERS

**Dr. Muhammad Wakil Shahzad**  
Senior Lecturer - Mechanical &  
Construction Engineering  
Northumbria University, UK

**Zaid Mohammed Binhazzaa**  
Sustainability Specialist  
SABIC

**Maram Al Sabbagh**  
Environmental Coordinator  
Bapco

1000 - 1030

Tea/Coffee Break

PRE-FUNCTION HALL

1030 - 1230

Youth - Leaders Dialogue

AL DANA 1

**Theme:** Unearthing Potential in Advancing Water & Energy Sustainability

In this energetic youth-leaders dialogue, we aim to bridge the gap between young visionaries and seasoned water and energy sustainability leaders. Comprising eight panelists—four youth and four leaders—this session will serve as a platform for engaging dialogue and vibrant debate on unearthing potential for progress in these crucial sectors. In this two-hour interactive session, our panelists, guided by an experienced moderator, will engage in a lively discussion and debate. This format encourages a fluid exchange of ideas, thoughts, and viewpoints between our young panelists and leaders, fostering a dynamic and insightful conversation that brings youthful innovation and established wisdom to the forefront.

**MODERATOR**



**Suhaib Marwan Kaki**  
SYLC Board Member &  
Process Safety Manager  
SABIC

**YOUTH REPRESENTATION**



**Razan Bucheeri**  
Legal Researcher  
Supreme Council for Environment  
Kingdom of Bahrain



**Tatenda Phiri**  
Future Energy Leader &  
Standing Committee Member  
World Energy Council



**Mohammed Al Noaimi**  
Valuation & Structuring Specialist  
Bapco



**Turki Al Enezi**  
Environment Engineer  
KNPC

**LEADERS REPRESENTATION**



**Mustafa Al Shehri**  
Director - Sustainability & ESG  
SABIC



**Ali Buhaji**  
Head, Development  
& Investment (MENA)  
MASDAR



**Suha Al Saif**  
Sustainability Director  
NESR



**Nabil Al Lawati**  
Head Corporate Environment  
PDO

1230 - 1330

Prayer & Lunch Break

1330 - 1415

Youth Panel Discussion

AL DANA 1

**Theme:** Challenges for the Youth in Advocating Water & Energy Sustainability

This panel will provide a platform for young professionals to share their experiences and perspectives on the challenges they face in advocating for sustainability in the areas of water and energy. The discussion will focus on the various obstacles that youth encounter in their efforts to promote sustainable practices (i.e. lack of resources, limited access to information, and difficulty in engaging with decision-makers). The panelists will also discuss potential solutions and strategies for overcoming these challenges, as well as the critical role that youth advocacy plays in achieving sustainable development goals. The panel discussion is an excellent opportunity for young people to connect with their peers, exchange ideas, and contribute to the larger conversation on sustainability and climate change.

**MODERATOR**



**Mohammed Ghassan**  
Environmental Specialist  
Bapco

**PANELISTS**



**Faisal Al Otaibi**  
Chief Technologist Oil & Gas  
Treatment R&D Div.  
Aramco



**Amal Al Derazi**  
Environmental Engineer  
Bapco



**Ahmed Janahi**  
Deputy CEO – Al Dur 2  
ACWA Power



**Saleh Al Jateli**  
A/ Manager Technical Services  
KNPC



**Theme:** Role of Youth in Water & Energy Sustainability

This interactive panel discussion offers a dynamic platform for exploring youth's crucial role in water and energy sustainability. With a focus on audience engagement, our panel of four youthful experts will answer questions directly from the attendees, promoting an open dialogue about the unique responsibilities, opportunities, and impacts of young individuals in these sectors. In this 45-minute interactive session, our panelists, guided by an experienced moderator, will field questions live from the audience. This format encourages active audience participation, fostering a lively and informative conversation that draws from our panelists' unique experiences and insights.

**MODERATOR**

**Rawan Al Ghamdi**  
IKTVA Officer  
NESR

**PANELISTS**

**Khalifa Al Khalifa**  
Environmental Specialist  
BAPCO



**Dr. Ibraheem Al Mansouri**  
Director of Engineering  
MASDAR



**Tatenda Phiri**  
Future Energy Leader &  
Standing Committee Member  
World Energy Council



**Neeraj Kuldeep**  
Senior Programme Lead  
CEEW

Workshop 1 | Theme: Integrated Water Resources Management

0800 - 0900

Workshop Registration

PRE-FUNCTION HALL

0900 - 1530

Topic: Fundamentals of Integrated Water Resources Management

AL DANA 2



FACULTY

**Dr. Abrar Habib**  
Assistant Professor  
University of Bahrain

HOSTED BY



WORKSHOP OBJECTIVE

- IWRM capacity building
- Developing the foundation for IWRM specialists
- Introducing the fundamentals of water governance and reform
- Introducing common IWRM modelling tools and techniques

WHO SHOULD ATTEND

Specialists, leaders and decision-makers in both the water sector and relevant sectors such as environment, energy, agriculture, etc.

FOCUS TOPICS

- Comprehensive understanding of IWRM
- Governance tools for implementing IWRM (OECD Principles)
- Modelling techniques for implementing IWRM (System Dynamics modelling)
- Recent research for robust decision-making (Adaptive Dynamic Policy Pathways)

OUTCOME & BENEFITS

By successfully completing the workshop, attendees will learn about the fundamental governance and modelling tools of Integrated Water Resources Management (IWRM). During the interactive workshop, attendees will work on various activities to apply the tools and techniques they are introduced to. The workshop is an essential stepping-stone for those who want to enhance their knowledge and skills related to IWRM.

## Workshop 2 | Theme: Net Zero Roadmaps

0800 - 0900

**Workshop Registration**

PRE-FUNCTION HALL

0900 - 1530

**Topic:** Journey to Net-Zero

AL DANA 3



**FACULTY**

**Javier Doblas**  
Partner  
Boston Consulting Group

HOSTED BY



### WORKSHOP OBJECTIVE

- Solidify understanding of sustainability concepts and targets
- Create awareness on the initiatives, technologies, and policies that will enable Net Zero
- Highlight role of technology in water and energy management
- Immerse participants in workshop topics through activities and presentations
- Inspire participants to become change agents in their organizations and communities

### WHO SHOULD ATTEND

- Open for all
- Middle managers with no specific expertise in sustainability

### FOCUS TOPICS

- Water and energy conservation
- Risk management
- Net zero roadmaps and targets of GCC
- Technology & innovation in water management for net zero
- Renewable energy water desalination technologies

### OUTCOME & BENEFITS

- Develop a deeper understanding of sustainability concepts
- The understanding is immediately put to test through activities
- Participants will become change agents as lessons from workshop are tangible and actionable

## Workshop 3 | Theme: Water Sustainability & Security

0800 - 0900

Workshop Registration

PRE-FUNCTION HALL

0900 - 1530

Topic: Mainstreaming Circularity in Wastewater Management

AL DANA 4



FACULTY

**Nitin Bassi**  
Senior Programme Lead  
CEEW



FACULTY

**Neeraj Kuldeep**  
Senior Programme Lead  
CEEW

HOSTED BY  
**CEEW**  
THE COUNCIL

### WORKSHOP OBJECTIVE

- Highlight the importance of considering treated wastewater as a resource.
- Create awareness of the linkage between treated wastewater and reuse and the positive environmental externalities it can generate (water and soil quality, energy use, carbon emissions).
- Discuss the governance reforms from selected countries that led to mainstreaming treated wastewater reuse.
- Facilitate knowledge exchange among participants on 'mainstreaming reuse' through a role play.

### WHO SHOULD ATTEND

- Policymakers and policy thinktanks
- Industry and business representatives
- Not-for-profit organisations
- Academicians
- Youth representatives

### FOCUS TOPICS

- Climate change, impact on freshwater and energy use, and treated wastewater as a resource (context setting presentation)
- Economic and market value of treated wastewater (case study discussion)
- Drivers and barriers to mainstream treated wastewater reuse (role play engaging all the participants)
- Governance reforms in countries at the advanced level of wastewater management and in developing economies

### OUTCOME & BENEFITS

- Increased awareness of the demand for freshwater and energy resources in the future and the potential of treated wastewater as a resource
- Better understanding of the social, economic and political drivers, barriers and enablers for mainstreaming the reuse of treated wastewater
- Enhanced knowledge of the positive externalities associated with treated wastewater reuse including water and soil quality improvement, reduction in energy use and associated carbon emission reduction.
- Scope for development of partnerships for mainstreaming circularity in wastewater management

## Workshop 4 | Theme: Water - Energy - Food Nexus

0800 - 0900

Workshop Registration

PRE-FUNCTION HALL

0900 - 1530

**Topic:** Toward a Holistic System of Thinking for Managing Arid Ecosystems: In-Depth Modeling of the Eco-Water-Food Nexus Using Spatial Analysis

AL MURJAN 1 & 2



FACULTY

**Dr. Meshal M. Abdullah**

Assistant Professor  
Sultan Qaboos University

HOSTED BY



جامعة السلطان قابوس  
Sultan Qaboos University

### WORKSHOP OBJECTIVE

- Develop sustainable nexus approaches and scenarios to efficiently manage water resources and enhance food security on different scales.
- Understand the processes of native plants and their impacts on green water dynamics.
- Develop quantitative characterizations of the interconnection between native plant changes and climate on water balance, vegetation dynamics, and soil properties.
- Assess climate change impacts on agroecological systems.
- Develop sustainable management practices to optimize natural ecosystems and agroecological systems using advanced remote sensing technologies.

### WHO SHOULD ATTEND

- Students • Faculty • Governmental sectors

### FOCUS TOPICS

- The restoration and revegetation of arid lands and taking advantage of ecosystem services.
- Possible mitigation strategies through an in-depth assessment of Food-Water-Ecosystem-Climate nexus modelling.
- The use of advanced spatial analysis and remote sensing techniques to understand the interconnection between the water-food-ecosystem nexus.

### OUTCOME & BENEFITS

- The role of using advanced technologies to develop a quantitative characterization model for large-scale assessment of the interconnection and trade-offs between natural ecosystems and agricultural systems.
- Support decision makers in selecting appropriate solutions for water sustainability and food security, as well as enhancing the ecosystem services to mitigate climate change.

## Workshop 5 | Theme: Climate Finance

0800 - 0900

Workshop Registration

PRE-FUNCTION HALL

0900 - 1530

**Topic:** Mobilizing Financing for Energy Transition, Water Sustainability and Climate Action in the GCC

AL AMWAJ 1 & 2



FACULTY

**Vamsi Duraibabu**  
Regional Investment Lead - MENA  
GGGI



FACULTY

**Winnie Wong**  
Sustainable Finance Specialist  
GGGI

HOSTED BY



### WORKSHOP OBJECTIVE

- Provide participants with an overview of the global climate finance landscape, including financing mechanisms suitable for the GCC region
- Showcase successful case studies of climate finance mobilization in the GCC and beyond, with a focus on mechanisms with potential for replication in relevant countries and sectors in the GCC region
- Enhance the capacity of participants to access and mobilize greater volumes of funds towards climate mitigation and adaptation activities in the GCC region
- Facilitate knowledge exchange amongst participants of lessons learned and knowledge gained from previous experiences in climate finance mobilization

### WHO SHOULD ATTEND

- Industry professionals • Public sector professionals • Investment professionals • Academic representatives • Youth representatives

### FOCUS TOPICS

- Overview of climate finance ecosystem
- The role of partnerships in mobilizing financing for climate action
- Climate finance mechanisms relevant for the GCC region, including green

### OUTCOME & BENEFITS

- Heightened stakeholder awareness and engagement in the mobilization of climate finance in their respective countries and sectors
- Enhanced understanding of global climate finance landscape amongst participants
- Enriched knowledge base amongst participants of climate financing mechanisms, particularly those relevant for implementation in the GCC region
- Strengthened engagement with relevant stakeholders from across sectors, regions, and institutions, including in future collaboration with GGGI and WGEO

# CONFERENCE REGISTRATION

## ADVANCE REGISTRATION

Advance registrations are the most suitable way to register which is highly recommended and can be done by sending in the registration requests to [info@gweccc.com](mailto:info@gweccc.com) or visit [www.gweccc.com](http://www.gweccc.com) to register online.

## ONSITE REGISTRATION

For Onsite registration, please contact the onsite registration team

## REGISTRATION OPENING HOURS

5-7 September 2023 | 0730 - 0900

## VISITOR REGISTRATION

Visitor registration is free of charge. Registered visitors are only entitled to Exhibition access. Please visit the website for online registration: [www.gweccc.com](http://www.gweccc.com)

## DELEGATE REGISTRATION

### 3 DAYS CONFERENCE + WORKSHOP + GALA DINNER

USD 1500

Access to opening ceremony, 2 days conference & exhibition, awards ceremony, gala networking dinner & 1 post-conference workshop

### 3 DAYS CONFERENCE + GALA DINNER

USD 1200

Access to opening ceremony, 2 days conference & exhibition, awards ceremony & gala networking dinner

### POST-CONFERENCE WORKSHOPS

USD 750

1 Post-Conference Workshop

## BADGES & DELEGATE BAGS

Badges and delegate bags may be collected at the registration desks & bag collection counter respectively during registration opening hours. Please note that badges and delegates bags are to be collected in person to avoid security issues.

## NETWORKING BREAKS & LUNCHES

Networking Breaks & Buffet lunches will be arranged at The Gulf Convention Centre, Kingdom of Bahrain.

# EVENT STRUCTURE

## EVENT DATES

<b>REGISTRATION &amp; OPENING CEREMONY</b>	<b>5 SEPTEMBER 2023</b>
<b>CONFERENCE</b>	<b>5-6 SEPTEMBER 2023</b>
<b>EXHIBITION</b>	<b>5-6 SEPTEMBER 2023</b>
<b>TECHNOLOGY FORUM</b>	<b>6 SEPTEMBER 2023</b>
<b>YOUTH FORUM</b>	<b>7 SEPTEMBER 2023</b>
<b>POST - CONFERENCE WORKSHOPS</b>	<b>7 SEPTEMBER 2023</b>

## OPENING HOURS

DATE	REGISTRATION	OC	CONFERENCE	EXHIBITION	GD	TF	YF	PCW
5 Sep 2023	0730-0900 Hrs	0900-1200 Hrs	1300-1630 Hrs	0900-1630 Hrs	1900-2100 Hrs	-	-	-
6 Sep 2023	0730-0830 Hrs	-	0830-1530 Hrs	0900-1600 Hrs	-	1000-1430 Hrs	-	-
7 Sep 2023	0800-0900 Hrs	-	-	-	-	-	0900-1530 Hrs	0900-1530 Hrs

\*OC - Opening Ceremony

\*GD - Gala Dinner

\*TF - Technology Forum

\*YF - Youth Forum

\*PCW - Post Conference Workshops





**GWEECCC**  
GLOBAL WATER, ENERGY AND  
CLIMATE CHANGE CONGRESS

### **GWEECCC Secretariat**

Office 24, Building 39  
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### **For All Enquiries**

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**#GWEECCC2023**

