



GLOBAL WATER SUMMIT 2016

Water 2050

19-20 April 2016 • Abu Dhabi, UAE

ROUNDTABLES: 11:30 - 12:45



The intense, fast moving Roundtable sessions are consistently highly rated by our large constituency of returning delegates. Expert speakers lead tables of 10-12 in tightly focused discussions on what is new and trending in the international water industry.

Choose a topic and join the table. Meet the host and table guests. Then participate in an intimate, face-to-face exchange of ideas. After four table rotations you'll leave the session with a new set of contacts, a meeting set up for later that day and the next step towards your next deal.

SESSION SPONSOR:



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TIMETABLE

⌚ 11:33 - 11:48	Rotation 1
⌚ 11:52 - 12:07	Rotation 2
⌚ 12:11 - 12:26	Rotation 3
⌚ 12:30 - 12:45	Rotation 4

MUNICIPAL

- Michael R. Markus**, General Manager, Orange County Water District, California
Topic: *Sustainability Using Indirect Potable Reuse*
 In arid environments there exist tremendous challenges in the development of potable water supplies. This roundtable is a conversation about the technology required, as well as the feasibility and practicality of using indirect potable reuse as a potential source for sustainable water supplies.
- Alan Thomson**, Managing Director, Abu Dhabi Sewerage Services Company (ADSSC)
Topic: *Abu Dhabi – A Look into the Future*
 The discussion will focus on the likely direction of development in the next 2-5 years. This is based on the recent government budget cuts and the experience of managing a utility in the last 10 years. The next few years will see a change in focus taking account of regulatory and investment needs.
- Melissa Meeker**, Executive Director, Water Environment Research Foundation and WaterReuse Research Foundation
Topic: *Fit for Purpose Reuse*
 As water scarcity continues to drive the need to develop resilient water supplies for people, the economy, and the environment, there is a need to drive new developments in water treatment technology to focus on treating water to the appropriate level, i.e., fit for purpose. This roundtable is a conversation around examples of the latest technologies enabling water utilities and industries to take a triple bottom line approach to meeting their water needs.
- Dr. Tayeb Yacine**, Technical Director for the Middle East, MWH
Topic: *Managing Urban Stormwater in the Middle East*
 The Middle East is a unique region with overall water scarcity, characterised by extreme rainfall and flooding events, and extensive urban development plans. This demands robust, sustainable drainage solutions to protect people, businesses and infrastructure. Solutions must provide best value in capital and operational costs incorporating features such as SuDS and WSuD.
- Ramón Alberto Huapaya Raygada**, General Manager, SEDAPAL
Topic: *Lima and Callao Water Prospective 2050*
- Taqsem A. Khan**, Managing Director, Dhaka Water Supply and Sewerage Authority (DWASA)
Topic: *Water Loss Reduction: Success of Dhaka WASA*
 Today Public sector water utilities, specially in the developing countries are facing tremendous pressure due to high NRW or water loss. What holistic approach can find the solution? Dhaka WASA does have a real success in bringing down the NRW to 7-10%! But How?
- Saleh M. Saadawi**, Senior Manager PMO Western Region, National Water Company, Saudi Arabia
Topic: *NWC: Critical and Fast Track Projects*
 A review of the North Jeddah Wastewater Treatment Plant, the North Jeddah By-Pass System and the Strategic Reservoir Projects

EMERGING MARKETS

8. **Yevgeniy Muralev**, Deputy Director of Desalination Plant on Technical Development, MAEK-Kazatomprom LLP, Kazakhstan
Topic: *Desalination Market and Investment Opportunities in Western Kazakhstan*
Western Kazakhstan is one of the fastest developed regions of the country. It is rich with oil and gas, uranium and phosphorites, but without any natural fresh water source. Construction of two new chemical plants created increased water shortage and opened wide possibilities to invest in water sector of the region.
9. **Adrian Marsden**, ARUP, Philippines
Topic: *Project Delivery in the Water/Wastewater Market in the Philippines*
Water/wastewater infrastructure in the Philippines has not developed to keep pace with the growing, and urbanising, population. With a number of dam, water treatment and over forty wastewater treatment projects planned this roundtable is a conversation about the opportunities to develop an experienced industry to support local water utilities.
10. **Amirmansour Ataei**, CEO and Chairman of the Board, Zolal, with **Kasra Makvandi**, Senior Procurement & Business Development Supervisor
Topic: *Iranian Water Markets - Overcoming Barriers to Commercial Success*
A conversation around the Iranian water market and the need for finance and technology which are vital for Iranian water projects.
11. **Michael Prange**, General Manager, German Water Partnership
Topic: *German Public Policy and Private Investment in Emerging Water Markets*
The German water sector has a strong interest to bring 150 years of German experience to emerging water markets. This roundtable will discuss how countries and companies from different countries can benefit from public policy of German government and private investments of German companies.
12. **Eri Honda**, Principal Urban Development Specialist, Asian Development Bank (ADB)
Topic: *Myanmar's Water Sector and the Upcoming Mandalay Tenders*
Myanmar water sector overview and upcoming tender for water and wastewater facilities under the Mandalay Urban Services Improvement Project financed by ADB and AFD.
13. **Mohammad Hossein Behnoud**, Technical and Executive Deputy, NVCo
Topic: *BOO and BOT Desalination Projects in Iran - Insights from the Market Leader, NVCo*
Iran is one of the largest emerging economies in the world, that remains virtually untapped by foreign companies due to years of unjust economic sanctions. However, due to the recent international agreements, the country's markets are opening up to global players. Public Private Partnerships in the form of BOO and BOT contracts are very popular for brackish and seawater desalination and not a month goes by without the announcement of a new tender. With a dry climate and a population exceeding 80 million people, the country is in dire need of freshwater. As the pioneer of Iran's private reverse osmosis desalination industry and the current market leader, executives from NVCo will introduce the ins and outs of the market and highlight areas of possible collaboration. Most notably, the interest in attracting foreign investment/financing and procurement of equipment.
14. **Thierry Noel**, Founder and Managing Partner, Amane Advisors
Topic: *Market Shifts Changing the Technology Landscape*
Historically low commodity prices, China taking on pollution, low cost sensors and big data, Water as a business risk for industry, Utilities needing to do more with less, upcoming regulations. These simultaneous market shifts are changing the demands and needs of the market for innovation and new technologies. This roundtable will discuss these shifts and identify the future technology landscape in our industry.

INDUSTRY

15. **John Walsh**, Director of Technical Water Treatment, Cetco
Topic: *Unique Opportunities in Water Projects for MENA Oil & Gas*
Water projects associated with oil and gas development in the Middle East and North Africa are somewhat different from other oil and gas regions of the world. This is particularly true of the larger projects. They tend to have a greater emphasis on sustainability, water resource management, integration, recycling, reuse, and implementation of state of the art water technology. While these features can be found elsewhere, there tends to be greater emphasis in the MENA. Successful projects tend to have close collaboration between the various Ministries, the oil and gas companies, and the technology providers. This brings some challenges but it also opens an array of opportunities for large scale implementation of forefront technologies.
16. **Cate Lamb**, Head of Water, Carbon Disclosure Project (CDP) with **Kristel Verhoef**, Active Ownership specialist, ACTIAM
Topic: *Drying and Drowning Assets - How Worsening Water Security is Stranding Assets Now*
Water insecurity is a clear and present risk to asset stranding. CDP and ACTIAM explore how to overcome data barriers to evaluate the scale of 'drying' or 'drowning' assets.

17. **Hani Khalifa**, Senior Process Engineer, Saudi Aramco
Topic: *Produced Water and Sea Water Injection: Collaboration is the Key*
 Produced water costs about \$0.5- \$50 to treat and re-inject based on many factors. Collaboration between upstream facilities, reservoir management and technology providers is the key to optimise the design of produced water treatment system or enhance the operation of existing systems. This roundtable will discuss the obstacles of the required collaboration and techniques to overcome them.
18. **Jacques Euler**, EMEA HS&E Manager, Procter & Gamble
Topic: *Moving Towards Zero Water Discharge - Zero Water Discharge from Manufacturing Sites*
 Due to external & internal reasons, there is a growing need for reducing the water discharge from the manufacturing sites. The participants will share the various reasons, the potential technical solutions to achieve it, and propose some goal settings.
19. **Ahmed Al-Mazrouy**, CEO, Majis, Oman
Topic: *Cost Effective Effluent Management for Industrialists*
 Discussing how to get all parties involved in the industrial water sector; industrial workers, stake holders in effluent management and recycled water, research and development, academics, manufacturers and service providers and customers and end-users, working together to preserve natural resources and make Oman, as a high temperature, water-scarce country, more sustainable for the future.
20. **Michael Corkery**, Head of Water Engineering, Nestlé
Topic: *Cooperation Between Industries to Deliver Solutions to the Water Crisis*
 The need for industry to think 'outside the fence' and work collaboratively to help ensure the sustainability of water resources. This roundtable is a conversation around what multinational companies in particular can do to have a more collaborative and holistic approach on water.
21. **Jorge I. Cantallopts**, Director de Estudios y Políticas Públicas, Chilean Copper Commission (Comisión Chilena del Cobre)
Topic: *Desalination Opportunities in the Chilean Mining Market - The End of the Low Mining Cycle is in Sight*
 After a few challenging years, copper prices are expected to increase from the beginning of 2017 onwards. A number of desalination projects which have been on hold are expected to move forward. In the face of water scarcity, mining companies will need to further rely on desalinated water.

INVESTMENT

22. **Saud Siddique**, Odyssey Capital, Singapore
Topic: *The Tigris Water Fund Value Proposition: Transformational Engagement and Funding Support for SME Water Companies*
 The vast majority of water companies lack access to long-term capital which constrains growth. Tigris seeks to provide flexible funding support with management capacity building and strategic direction.
23. **Vivian Castro-Wooldridge**, Urban Development Specialist, SAUW, South Asia Department, Asian Development Bank, **Tiresh Khatri**, Project Director, PID/KuKL (Project Implementation Directorate/Kathmandu Upatyaka Khanepani Limited) and **Ghanashyam Bhattarai**, Executive Director, Melamchi Water Supply Development Board, Nepal
Topic: *The Kathmandu Valley: 2025 Vision and Business Opportunities in the Water and Wastewater Sector*
 The government of Nepal's 2025 vision, strategy and investment plan for transforming the water supply and wastewater sector in the capital region will be shared.
24. **Eugene Pam**, General Manager of the Plateau State Water Board and National President of the Nigerian Water Supply Association
Topic: *The Nigerian Water and Sanitation Sector and Investment Prospects*
 Highlighting the current state of the water sector in Nigeria, the on-going water sector reform programme expected to create investor-friendly environment for investors. Approximately US\$1 billion in financial facilities is being expended in the reform programme that is expected to create an anticipated US\$6 billion yearly investment climate in the Sector.

DESALINATION

25. **Corrado Sommariva**, Board Director at ILF Consulting Engineers
Topic: *Sustainable Desalination Strategies in the GCC*
26. **Zhang Yangang**, Director, Senior Engineer, Beijing Shougang International Engineering Technology Co., Ltd. with **Wang Xianming**, Director of Water Department, HWWater
Topic: *BSIET's Experience in International Desalination & the Venezuela Project*
 BSIET is an international Engineering Co. which has done over 100 big scale projects, some of them costing as much as 1 billion USD. BSIET owns the largest desalination R&D center and is currently preparing to work on a 1 million ton/day desalination project for the government. BSIET are carrying out an EPC contract in a water deficient area in Venezuela and is looking to cooperate with more international partners.

DESALINATION (continued)

27. **José Maria Ortega Loizaga**, Development Director, APAC, ACCIONA Agua
Topic: *BOT Showcase: Atotonilco, the Biggest WWTP in the World*
These days, BOT and PPPs are becoming a need for many Water Agencies all over the world in order to cope with budget restrictions. We can discuss project structures and contract requirements in order to be able to make these projects viable, using a real and big example
28. **Hon. Karlene Maywald**, Managing Director of Maywald Consultants, Chair of the International Centre of Excellence for Water Resource Management, Board Member of SA Water
Topic: *Australia's Future Water Security Strategies - How Have They Worked So Far!*
29. **Dr. Nasser Fouad**, Chairman First Deputy, General Authority for the Suez Canal Economic Zone
Topic: *Suez Canal Special Economic Zone: Projected Water Management and Desalination Plan*

PPP

30. **Hamid Reza Kashfi**, Manager, Bureau for Mobilisation of Funds and Development of Public-Private Partnerships, NWWEC, Ministry of Energy, Iran with **Mojtaba Ahmad Khan**, Coordinator and Secretary for International Cooperation and Coordination, NWWEC, Ministry of Energy, Iran
Topic: *Water and Wastewater Markets in Iran: Methods and Approaches for Investment*
Investors and companies interested in activities in the water and wastewater sector of Iran will definitely have a number of specific questions that require clarification. While addressing and answering their questions, we shall explain in detail the different modes of investment/participation in the mentioned sector.
31. **Sophie Trémolet**, Senior Economist, World Bank - Water Global Practice
Topic: *Financing the Sustainable Development Goals for Water: The Role of Blended Finance*
32. **Jorge Sulem**, Technical Advisor, Sanitation Projects, ProInversión, Perú
Topic: *Public Private Partnerships: An Alternative to Fund Sanitation Projects*
An alternative for countries to develop their public infrastructure is to leverage the capabilities of the private sector through Public-Private associations that allow design and build public infrastructure and manage it efficiently. In this table we will talk about PPPs in sanitation projects and their impact on the sanitation sector in Peru.
33. **Puskal Upadhyay**, Director of Finance, National Mission Clean Ganga (NMCG), Ministry of Environment and Forests, Government of India
Topic: *River Rejuvenation and Sustainable Water Management Through Private Participation*
River rejuvenation and river-centric planning make the new environmental paradigm for water management including water supply and waste-water treatment. This discussion will be led with examples of recently launched attempts in India for its national river, Ganga, which has unlocked the sector by leveraging annuity-based PPPs in project execution and maintenance.
34. **Nodira Mansurova**, Water Operations Lead for Jordan and Egypt, EBRD
Topic: *EBRD's Water Operations in Jordan and Egypt*
35. **Qiang Wang**, Senior Research Advisor, Shanghai Chengtou Corporation
Topic: *PPPs in the Shanghai Water Sector - The Future and Business of Shanghai Water*
Focussing on the next five years planning framework of upgrading the Shanghai Water ,Urban Drainage and Wastewater Treatment System. Discussing the business model of Shanghai Water sector and its future change towards more efficient PPP-typed ways advocated by Chinese central government, as well as potential opportunities for overseas practitioners.

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