# Programme Overview

## Business Forums

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| 12:45 - 13:30 | Suez | African Business Forum |
| 13:30 - 14:15 | Poten Environment Group | Japan Pavilion |
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| 15:30 - 16:15 | Brisbane City Council | Netherlands-Australia Coalition on Climate Extremes |
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| 14:15 - 15:00 | Suez | Queensland Government |

# Business Forums

## Monday

### Business Forum Room 1

**10:30 - 11:15 / XYLEM**

**The world's first wastewater pumping system with integrated intelligence; Flygt Concertor**

*Presented by: Stefan Abelin*

Customers are asking for more, better, faster and for less cost in wastewater pumping. These challenges can be met by integrating sophisticated power electronics and intelligent software in submersible pumping systems.
The result is unprecedented operational flexibility, cutting-edge efficiency, increased reliability, improved asset management and reductions in OpEx and CapEx. Customer pain points, such as system reliability, energy consumption, operational flexibility, footprint, connectivity and lower lifecycle cost can be achieved with integrated intelligence, the ultimate solution for maximum peace of mind.

**11:15 - 12:00 / SUEZ**

**Protecting Perth's precious water resources**

*Presented by: Jerome Douziech*

Perth is well known for its long and dry summers but in recent years the West Australian capital has recorded some of lowest rainfall spells on record. In the past summer for the first time ever, more water evaporated from the cities dams compared to what flowed in from the rains. Responding to this challenge is the Water Corporation of Western Australia with a long term strategy to become climate resilient. Aroona Alliance, a partnership between Water Corporation, SUEZ and Broadspectrum, is in charge of operating and maintaining the metropolitan water and wastewater assets in this challenging environment. Aroona delivers high quality water and wastewater services to residents of the Perth and Mandurah area.

**12:45 - 13:30 / SUEZ**

**Advanced Solutions for Sewer and Stormwater management**

*Presented by: Simon Bunn, Paul Banfield*

Sewage systems can be very sensitive to rainfall that can cause overflows into the environment. Under some circumstances, introduction of slight physical adjustments and improved control rules of sewage systems can reduce the risk of harm. In this context, SUEZ Group designed AQUADVANCED® Urban Drainage, an innovative software suite dedicated to sewer and stormwater system performance and optimisation.

**13:30 - 14:15 / POTEN ENVIRONMENT GROUP**

**China·Future·Water**

*Presented by: David Jl*

The topic of the Business Forum is China's Water Environment Market: Present and Future Trends. The forum covers: Poten's brief introduction, Industrialization and Application of Aquaporin Inside Membrane, Water Market in Australia and Panel Discussion. We have invited renowned water experts at home and abroad. Come join us to understand how to develop opportunities in China and partner with Chinese companies.

**14:15 - 15:00 / AUSTRADE**

**International Water Opportunities for Australia**

*Presented by: Austrade overseas Business Development Managers, invited guests*

Sponge Cities in China, Water Smart Cities in India, lifting of trade sanctions in Iran combined with severe water scarcity all present market opportunities now for Australian industry.
Australian companies are among the world leaders in many areas of need internationally. Key opportunities for Australian industry exist in various areas. Come to hear from Austrade country specialists on how you can take advantage of overseas opportunities for your business and meet with several international business delegations following the seminar.

**15:30 - 17:00 / BRISBANE CITY COUNCIL**

**Brisbane, Australia's most sustainable New World City**

*Presented by: TBC*

Brisbane is Australia's River City, renowned for its subtropical climate and friendly relaxed lifestyle which attracts businesses, workers, students and tourists from across the world. At this Business Forum, a panel of speakers will describe Brisbane's approach to becoming cleaner, greener and a more sustainable city with a strong economy, desirable quality of life and an inclusive community resilient to change.

### Business Forum Room 2

**10:30 - 11:15 / SALT WATER**

**Forecasting treatment plant performance for compliance and optimisation – AqMB Prophet**

*Presented by: Darren Szczepanski*

AqMB™ Prophet is forecasting & optimisation software for any drinking or recycled water application. Built on the foundations of AqMB Designer, Prophet uses deterministic and neural network modelling to trend upcoming changes and predict equipment performance and treated water quality. Priced to achieve guaranteed operating cost savings between 10-20% annually, while preserving cyber-security with zero impact to SCADA systems.

**11:15 - 12:00 / SODECI**

**Public/Private Partnership between the Republic of Cote d'Ivoire and SODECI**

*Presented by: Ebah Basile*

SODECI is a private company that is responsible for the drinking water supply to all urban centers in COTE D'IVOIRE as part of a Public / Private Partnership signed with the state since 1960.
The use by Ivorian authorities to a private operator to manage the public drinking water service gave raise to questions about the sustainability of such model. The implementation of this partnership, however, allowed to urban public drinking water in Côte d'Ivoire to be among the most successful in Africa.

**12:45 - 13:30 / AFRICA BUSINESS FORUM**

**Innovative Sustainable Water Sector Business Models for Africa: What opportunities of partnerships?**

This session is designed to fully expose the African Water sector to participants from over 100 countries worldwide. AfWA and its members shall present to the participants, the Africa water sector business models, AfWA organization and its programs' portfolio, AfWA 2018 Congress in preparation, amongst others important topics.

**13:30 - 14:15 / JAPAN PAVILION**

**Japan Quality, Japan's Experience – Stability & Resilience –**

*Presented by: TBC*

Exhibitors of Japan Pavilion provide the best practices though Japan's experience. This session aims:
- to exchange information about best practices and experiences through our challenges
- to promote audience's interest on water business, technology and experience in Japan which leads to large participation in 2018 IWA-WWC in Tokyo.

**14:15 - 15:00 / UNIVERSITY OF TECHNOLOGY SYDNEY**

**Sustainable Urban Water futures: integrated supply demand planning**

*Presented by: Prof Stuart White*

This forum will describe planning methods for sustainable urban water future. With applicability in both low income and high income countries the forum will outline the methods that have been developed prior to and during the Australian millennium drought, and have been applied in locations as diverse as Alexandria in Egypt and Salah in Oman. Case studies and examples will be used to illustrate the presentation.

**15:30 - 17:00 / NETHERLANDS-AUSTRALIA COALITION ON CLIMATE EXTREMES**

**Australia and the Netherlands collaborating for a climate resilient future**

*Presented by: Simone De Kleermaeker, Steve Clarke, Piet Filet, Rolf Karst. Jeroen Rijke, Gregor van Essen*

Public and private sector partners from Australia and the Netherlands will be sharing key outcomes of their collaboration on climate resilience over the past five years. Topics include Brisbane River Flood Study, FloodReadyQ, Flood Community of Practice, CRC for Water Sensitive Cities, Holland Water Challenge and National Flood Forecasting System. Participants are invited for networking drinks directly after the session.

# Business Forums

## Tuesday

### Business Forum Room 1

#### 10:30 - 11:15 / PURE TECHNOLOGIES

**The Ageing Water Infrastructure Challenge**

*Presented by: Jack Elliott, Roberto Mascarenhas*

Pure Technologies is a world leader in the development and application of innovative technologies for inspection, monitoring and management of large-diameter water and wastewater pressure pipelines. Pure's expertise and technologies are being used around the world to help utility operators mitigate pipeline deterioration and maximize capital budgets for rehabilitation programs.

#### 11:15 - 12:00 / THE UNIVERSITY OF QUEENSLAND

**Water Research, Innovation and Technology with Impact: Effective Translation, Adoption and Commercialisation Pathways**

*Presented by: Prof. Zhiguo Yuan, Dr. Kelly Fielding, Jennifer George*

The session will showcase effective pathways that have been undertaken by water researchers and managers to ensure knowledge (research, innovation and technology) is adopted to make a difference in the water sector. The transferability of the process, different roles that research/technology organisations and end-users (e.g. water utilities) play, the challenges encountered to achieve effective adoption processes will be discussed.

#### 12:45 - 13:30 / WATERGROUP

**Water Efficiency Management 2016 Styl**

*Presented by: Guenter Hauber-Davidson*

The paradigm for acceptable losses within a water network has significantly changed to a new low. WaterGroup presents a range of strategies and technologies to meet the ever tightening target.

#### 13:30 - 14:15 / BEIJING SCINOR WATER TECHNOLOGY CO.,LTD.

**The membrane technology innovation research and project cases sharing of Scinor**

*Presented by: Tom Poschmann*

Scinor-membrane was the first to establish commercial process of TIPS Ultrafiltration fiber & modules with PVDF materials, of which owned essential features of high flux, withstanding chemical, low energy consumption and easy maintenance. Until now, Scinor-membrane's membrane product helps a lot of customer to purify their water in field of potable, wastewater, desalination & Recycling and seawater.

#### 14:15 - 15:00 / STEEL MAINS

**Steel Mains Sintakote™ Mild Steel Pipeline Systems**

*Presented by: Austrade overseas Business Development Managers, invited guests*

Steel Mains - Australia's leading manufacturer of steel pipeline systems for the transportation of water and waste water; is a world leader providing advanced corrosion protection coating & lining systems; and world class jointing systems such as our high pressure capability Sintajoint™ Rubber Ring Joint & Sintalock™ welded restrained rubber ring jointing system which offer superior pipe laying construction productivity.

#### 15:30 - 16:15 / MURRAY-DARLING BASIN AUTHORITY

**Australia's National Water Policy Settings and their Application in the Murray-Darling Basin**

*Presented by: Richard McLaughlin, Tony Slatyer*

The Murray Darling Basin Plan incorporates most of the principles of the National Water Initiative including comprehensive accounting for water resources, explicit allocation decisions including between environmental needs and consumptive users, operation of water markets and the creation of enduring property rights in water including for towns and cities water management at basin scale. This forum will describe the ups and downs of the Australian water reform journey from policy evolution to operational water management at a basin scale.

#### 16:15 - 17:00 / CALIX LIMITED

**Assets Down the Sewer / Corrosion Protection of Concrete Sewer Assets by PROTECTA-MagTM**

*Presented by: Nitin Apte*

PROTECTA-MagTM - Corrosion protection of concrete sewer assets by coating of high pH Magnesium Hydroxide Liquid. Cleaning and coating of the asset carried out without entering the asset and without stopping or diverting the flow. Best suited technology for Preventative Maintenance of Sewer Assets, very cost effective, safe and quick. Used for Manholes, Pump Stations, Large Sewer Pipes, inlet works.

### Business Forum Room 2

#### 10:30 - 11:15 / XYLEM

**The world's first wastewater pumping system with integrated intelligence; Flygt Concertor**

*Presented by: Stefan Abelin*

Customers are asking for more, better, faster and for less cost in wastewater pumping. These challenges can be met by integrating sophisticated power electronics and intelligent software in submersible pumping systems.
The result is unprecedented operational flexibility, cutting-edge efficiency, increased reliability, improved asset management and reductions in OpEx and CapEx. Customer pain points, such as system reliability, energy consumption, operational flexibility, footprint, connectivity and lower lifecycle cost can be achieved with integrated intelligence, the ultimate solution for maximum peace of mind.

#### 11:15 - 12:00 / LG SONIC

**Monitoring, Predicting, Preventing and Controlling of (toxic) Cyanobacteria Blooms in Lakes and Reservoirs**

*Presented by: Lisa Brand*

Harmful algal blooms cause problems in lakes and water reservoirs, such as health issues, fish deaths, and odor problems. LG Sonic developed a method to monitor and control algae in freshwater lakes and reservoirs called the MPC-Buoy, a floating solar-powered platform that emits specific ultrasonic parameters to control algae in lakes and water reservoirs.
At this moment, the MPC-Buoy is installed in lakes and water reservoirs in, among other countries, the USA, Canada, Malaysia, and the Netherlands.

#### 12:45 - 13:30 / HITACHI ZOSEN CORPORATION

**HiSIS (High-speed Seabed Infiltration System)" for SWRO Desalination process " and the Pilot Plant in Abu Dhabi**

*Presented by: Guenter Hauber-Davidson*

We present a new Hi-Speed Seabed Infiltration System (HiSIS) which can be used as pretreatment system with UF membrane before RO stage for SWRO plant. It was developed to provide water at low cost using a seabed infiltration and membrane for pretreatment and to find a better solution for problems that conventional pretreatment systems are facing. Further details of the Abu Dhabi pilot plant project will be shared at the forum.

#### 13:30 - 14:15 / JAPAN PAVILION

**Japan Quality, Japan's Experience – Stability & Resilience –**

*Presented by: Tetsuro Fujita*

Exhibitors of Japan Pavilion provide the best practices though Japan's experience. This session aims:
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#### 14:15 - 15:00 / CARDNO

**Experiences in implementing ISO55001**

*Presented by: Aneurin Hughes*

This forum is your opportunity to connect with others responsible for implementing an asset management system to ISO55001. The forum will include an update on the ISO Committee's initiatives for improving the standard, the lessons learned by a utility service provider on its journey to certification and a facilitated Q&A session on how to get the most from the standard.

#### 15:15 - 16:15 / DANISH WATER TECHNOLOGY GROUP

**6% Non-Revenue Water, 197% Energy production from Wastewater 100% mapping of the country's water reservoir. Come and get an update on Danish expertise knowledge**

*Presented by: Danish Water Forum, DHI, Rambøll, VCS Denmark: AVK, Linak, Kamstrup, BIC, Danva: Unisense Environment, Hexacover, Danish Water Technology Group*

FORUM STARTS AT 15:15

This Business Forum will give you an update on the newest Danish technologies within Groundwater, Water and Wastewater. You will hear utilities and companies tell about ways of achieving:
as low as 6% Non-Revenue Water,
as high as 197% of Wastewater Energy production
mapping the water reservoirs of the whole country,
reducing emissions, and combating climate changes

# Business Forums

## Wednesday

### Business Forum Room 1

#### 10:30 - 11:15 / DEPARTMENT OF SCIENCE, INFORMATION TECHNOLOGY AND INNOVATION AND DEPARTMENT OF ENVIRONMENT AND HERITAGE PROTECTION

**Cost-effective and Environmentally Sustainable Sewage Treatment Solutions for the 21st Century**

*Presented by: Dr. Ian Ramsay, Chris Mooney*

Substantial investment in sewage treatment has occurred recently, in Australia. Traditional engineering solutions involve substantial capital and operating costs, energy and chemical usage and related CO2 emissions. Despite this, water quality levels produced are often not sufficient to achieve water quality standards for waterways which are under pressure from diffuse pollution. The loads released will increase with population, resulting in further pressure on the environment.

#### 11:15 - 12:00 / MONASH SUSTAINABILITY INSTITUTE

**Operationalising the Sustainable Development Goals**

*Presented by: John Twaites, Barbara Frost*

A seminar that will build on the themes developed by Thwaites and Frost in their Keynote addresses. What is being done in practice to deliver SDG6. Thwaites will focus on the work of the Sustainable Development Solutions Network and Frost will focus on the work of the WASH sector. Both presentations will emphasise the interdependence between SDG6 and other SDGs.

#### 12:45 - 13:30 / QUEENSLAND URBAN UTILITIES

In early 2015, Queensland Urban Utilities (QUU) embarked on a journey to develop its strategy to becoming a Utility of the Future. Like all utilities, the water industry is facing a period of tremendous transformation. In the past, utilities would project what their future needs may be and then build infrastructure to match assuming all other things stayed roughly the same. This paper presents lessons learnt by Queensland Urban Utilities creating its Utility of the future strategy.

#### 13:30 - 14:15 / BEIJING SCINOR WATER TECHNOLOGY CO., LTD.

**The Hydraulic driven Pumping & Energy Recovery (HYPER) integrated system innovative research and application**

*Presented by: Ronghui Zhu*

The Hydraulic driven Pumping & Energy Recovery (HYPER) integrated system is composed of multi-couples of sea water cylinders, hydraulic cylinders and hydraulic pumps. Both the sea water and hydraulic cylinders are simple structure and made from inexpensive compound materials. The capital cost is shown to be 20-30% lower, and RO operating energy cost are 10-15% lower to 2.0-2.2 kwh/c.m.

#### 14:15 - 15:00 / DATA61/CSIRO

**Data-Driven Solutions for Water Asset Management**

*Presented by: Fang Chen, Yang Wang*

Data analytics has been widely applied to various business practice. The Enterprise Analytics Team in Data61/CSIRO focuses on predictive maintenance for infrastructure asset management based on data analytics, especially innovative data-driven solutions to facilitate water utilities to identify driving factors of infrastructure failures, prioritize high risk pipes for renewal and then systematically reduce failure risk over time.

#### 15:30 - 16:15 / DEPARTMENT OF FOREIGN AFFAIRS AND TRADE, AUSTRALIAN WATER PARTNERSHIP

**How valuing water has improved water allocation and built resilience to water scarcity in Australia**

*Presented by: TBC*

This forum will discuss the approach of explicitly recognising the value of water as a scarce economic good (or scarce common pool resource), which has been central to triple-bottom line effectiveness in water resources allocation and use in Australia. It will involve short introductions on the topic from several panellists and facilitated discussion between panellists and the audience.

#### 16:15 - 17:00 / MARIC FLOW CONTROL

**A Unique Device For Managing The Flow Of Piped Water**

*Presented by: Graeme Anderson*

The presentation will include an introduction to the Maric Flow Control valves, and a broad overview of what they do, how they work, and existing market segmentations and applications. Market segments: 1. Bore and pump protection; 2. Mining; 3. Industrial; 4. Irrigation; 5. Water treatment and filtration; 6. Water Authority applications; 7.Generating a Part Number.

### Business Forum Room 2

#### 10:30 - 11:15 / PACIFIC ENVIRONMENT

*Presented by: Dr Adrian Zammit*

Environmental data management and interpretation is an increasingly important issue for industry. EnviroSuite technology has been developed to facilitate the management of environmental issues across water, air and noise.

A large Wastewater Treatment client in the UK is successfully using EnviroSuite to provide facility operators with information needed to improve performance in odour management. In addition, EnviroSuite's Water Module uses detailed weather forecasts and complex algorithms to predict river water quality and flow in advance.

#### 11:15 - 12:00 / NAIROBI CITY WATER & SEWERAGE COMPANY LTD.

**Opportunities in innovation to improve the water sector: A case of Nairobi City Water & Sewerage Company Ltd.**

*Presented by: Stephen Mbugua*

Nairobi City Water & Sewerage Company Ltd. has adopted a systemized solution processes to address the challenges of operations. We would like to share our innovations as a starting point of peer to peer learning. Through interactions, we shall not only tell you our story, but your participation and questions will help in enriching the water sector as we share our experience.

Join us at the IWA World Water Congress & Exhibition in Brisbane on Wednesday, October 12, 2016 – Business Forum, Room 2, Exhibition Hall at 11:15 – 12:00pm.

#### 12:45 - 13:30 / WATER: EFFECTIVE TECHNOLOGIES AND TOOLS (WETT) CENTRE AT RMIT UNIVERSITY

**Industrial solutions through academic research**

*Presented by: Prof Felicity Roddick, Prof Jega Jegatheesan*

The water industry is required to provide a

secure, sustainable supply of safe, clean water for the community with minimal impact on the environment. Researchers in the Water: Effective Technologies and Tools (WETT) Centre at RMIT University provide a unique multidisciplinary approach to address these requirements drawing on expertise in chemical and environmental engineering, environmental chemistry and microbiology, ecotoxicology and renewable energy.

#### 13:30 - 14:15 / GRIFFITH UNIVERSITY

**Introducing the Water Solutions Lab Network**

*Presented by: Anik Bhaduri, Stuart Bunn*

The Sustainable Water Future Programme (Water Future) of Future Earth will organise a special session to introduce the concept of the "Water Solutions Lab Network" to share insights into the development of the project, and provide opportunities for discussion, comments and feedback. The Water Solutions Lab Network (WSLN) will integrate research with practical solutions to develop a set of feasible innovations that support sustainable water outcomes at the local level.

#### 14:15 - 15:00 / LG SONIC

**Water Drones to Target and Treat Algal Blooms using Ultrasonic technology**

*Presented by: Lisa Brand*

Blooming of blue-green algae in lakes, reservoirs, canals and rivers represents a major ecological and human health problem and can cause severe problems with toxicity, taste and odour of the water. Current methods to control blue-green algae and reduce their (toxic) by-products either need to be used on a complete surface of a water body or are used on a side stream of a main reservoir leaving the actual source of the problem untouched.

#### 15:30 - 16:15 / SALT WATER

**AqMB Designer– 70% Faster process design**

*Presented by: Nick Christy*

AqMB Designer™ is an online, collaborative process plant design software for water treatment. Integrated into Designer™ is SupplierLink™, a free to join vendor portal that connects suppliers with designers when they are sizing and specifying equipment. Pricing and equipment specifications can be fed back into the design for component review, selection and approval by the designer.

#### 16:15 - 17:00 / ENAGIC KANGEN WATER TECHNOLOGY AFRICA LTD.

**Be healthy, stay hydrated**

*Presented by: Akwamkan Marshall Emmanuel*

Every One Deserves Kangen Water Machine At Home. Kangen water has the Power , Ability and Versatility to Change Lives inside out, in Every Home and Business around the World. That's Why Enagic offers a diverse range of products line with a wide range of options to meet every need and every budget. I want to help you find the perfect Machine for your specific household needs and the expected Health benefits you are seeking. Try The Water , Feel The Difference and Spread The Words .Change Your Water : Change Your Life.

# Business Forums

## Thursday

### Business Forum Room 1

#### 10:30 - 11:15 / CSIRO AND THE BUREAU OF METEOROLOGY

**Foundations for water security in Australia: the essential role of innovative science and water information**

*Presented by: Warwick McDonald, Graham Hawke*

The Millennium Drought (1997–2009) decimated production in Australia's most important agricultural regions, and significantly impacted the ecological health of Australian rivers, particularly in the Murray–Darling Basin.
This forum provides an opportunity to engage in a discussion around the innovative science and product development behind state-of-the-art water information services.

#### 11:15 - 12:00 / SUEZ

**Advanced Solutions for Drinking Water Systems and Networks**

*Presented by: Simon Bunn, Paul Banfield*

A key issue for the requirement of control of the water supply service is the optimization of the performance of the distribution systems and networks. Their efficiency requires a better knowledge of their functioning at any time while more and more devices are deployed to allow collection of real-time measurements (sensors, AMR…). Every day these devices deliver an increasing quantity of data that needs to be processed and transformed into valuable information to help with monitoring and controlling the water supply.
In the meantime, water utilities face increasing energy supply costs over the long-term while market development tends to value flexibility as regards electricity consumption. As drinking water processes are energy- dependent, new technologies based on real time control and systems modelling offer new capabilities to ensure water is delivered where it is needed at minimum cost and maximum quality.
In response to these demands in performance in water networks, SUEZ group has designed the AQUADVANCED® Water Networks and AQUADVANCED® Energy advanced solutions.

#### 12:45 - 13:30 / QUEENSLAND DEPARTMENT OF ENVIRONMENT AND HERITAGE PROTECTION

**Innovative approaches to reducing agricultural runoff to the Great Barrier Reef – using treatment systems in coastal catchments**

*Presented by: Mike Ronan, Claire Andersen*

The waterways of Queensland, are important environmentally, socially and economically. The Queensland and Australian Governments and stakeholders are implementing the Reef 2050 Long-Term Sustainability Plan. As part of this, stakeholders are also working jointly to implement the Reef Water Quality Protection Plan to ensure runoff from reef catchments has no detrimental impact on the health and resilience of the Great Barrier Reef. In South East Queensland, the Resilient Rivers Initiative involves stakeholders to develop catchment Action Plans.

#### 13:30 - 14:15 / CALÉDONIENNE DES EAUX SUEZ (NEW CALEDONIA)

**Decentralized water and wastewater solutions & new technologies (UCD, desalination & MBR): operator's return of experience**

*Presented by: Marc Mocellin, Fabrice Polizzi*

Multiple decentralised plants is a valuable alternative to large plants on cities or territories with multiple watersheds such as Nouméa. In the same way, decentralised water treatment plants are more and more used in Pacific Islands for local supply of suburban or isolated populations. The session will give a feedback from the point of view of an operator on the use of advanced technologies (compact units, membranes, desalination) .
Key success factors for implementation of decentralised water and wastewater units will be discussed.

#### 14:15 - 15:00 / SUEZ

**Taking action to protect the oceans : solutions from the earth to the sea**

*Presented by: Diane d'Arras*

A vital resource, oceans pay the price for human activities through global warning and pollution.
Gathered onland by streams and sanitation networks overloaded with rainwater, plastic wastes are invading the oceans. Solutions exist to take action at every step in the water and waste cycles.

### Business Forum Room 2

#### 10:30 - 11:15 / SCALENE ENERGY WATER

**AQUATRON™ - A disruptive innovation for Waste Water Recovery and Management**

*Presented by: Dr. Rajah Vijay Kumar*

AQUATRON™ is a proprietary technology based on FP-STAR (Fine-Particle-Shortwave- Thrombolytic-Agglomeration-Reaction). It is a patented disruptive innovation based on the premise of blood clotting, to treat wastewater.
FP-STAR technology and patent belong to Dr. Rajah Vijay Kumar, Organisation De Scalene.
Our methodology is inspired by nature and uses physics to solve this problem, instead of chemistry being used conventionally.
Commercially these solutions have been successfully deployed in India and Europe.

#### 11:15 - 12:00 / SEQWATER

**Planning for resilience – developing an adaptive drought response plan for South East Queensland**

*Presented by: Dimity Lynas, Principal Demand Planner, Water Supply Strategy and Policy, Seqwater*

South East Queensland is subject to weather extremes due to local climatic conditions. The recent Millennium Drought and major flood events highlighted the need for robust resilient planning. Seqwater is the SEQ bulk water supply authority responsible water security planning. A resilient water supply requires catchment to tap planning, much of which is outside of Seqwater's control. This presentation outlines how Seqwater worked with the water service providers to develop an adaptive drought response plan balancing water security and cost; and considering supply, demand and operational options.

**UNITYWATER Intelligent Water Networks**
Unitywater has developed a variety of technologies that deliver an intelligent potable water network. Each component of water measurement and monitoring is valuable in its own right, however, the sum total of all these parts provides considerable additional value now and for the future.

#### 12:45 - 13:30 / SUMITOMO ELECTRIC INDUSTRIES, LTD.

**POREFLON Module MF Membrane**

*Presented by: Tetsuo Tamura*

Using PTFE polytetrafluoroethylene , which is high in chemical-, heat-resistance, and durability, Sumitomo Electric has developed a porous separation membrane making the best of our processing technologies and produced Poreflon™ Module as a MF/UF membrane module.

Through "stable water treatment performance", "high quality and reliablity"and "high-quality customer service",We are ready to propose water treatment systems that fully meet various customer needs.

#### 13:30 - 14:15 / JAPAN PAVILION

**Japan Quality, Japan's Experience – Stability & Resilience –**

*Presented by: Tetsuro Fujita*

Exhibitors of Japan Pavilion provide the best practices though Japan's experience.
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#### 14:15 - 15:00 / DEPARTMENT OF NATURAL RESOURCES AND MINES – QUEENSLAND

**River Basin Management – the Queensland approach**

*Presented by: Leanne Barbeler, Jon Ritchie, Aaron Stasi, Sam Bonaventura*

This forum will explore the Queensland Government's world leading river basin management approach. Over the past 15 years we have established a catchment-based (river basin) process to water planning in consultation with water users and the broader community. Today, 95% of Queensland's major catchments have Water plans, many of which have been in place for a decade.