

**HIGHLIGHTS:**

THE PREMIER GLOBAL WATER EVENT



# SINGAPORE INTERNATIONAL WATER WEEK

THE GLOBAL PLATFORM TO  
SHARE AND CO-CREATE INNOVATIVE  
WATER SOLUTIONS

*Celebrating 10 years of  
water excellence 2008 - 2018*



OVER  
**24,000**  
PARTICIPANTS



FROM **110**  
COUNTRIES  
AND REGIONS



GATHERED  
**S\$23 BILLION**  
IN TOTAL VALUE  
FOR BUSINESS  
ANNOUNCEMENTS

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# HIGHLIGHTS AT THE SINGAPORE INTERNATIONAL WATER WEEK

Singapore International Water Week (SIWW) 2018 concluded on a high with more than 24,000 people in attendance and \$23 billion worth of deals and opportunities unveiled.

From presidents to prime ministers, the SIWW has attracted many eminent speakers, water leaders and delegates to discuss pressing water issues and develop innovative solutions to them over the years. With the SIWW marking 10 years of excellence this year, the event is well regarded to be the world's premier global platform for leaders to share and co-create sustainable water management solutions.



The Lee Kuan Yew Prize Award Presentation to the World City Prize 2018 and Water Prize 2018 Laureate, Professor Rita Colwell (third from right), by Her Excellency Madam Halimah Yacob (centre), President of the Republic of Singapore alongside representatives from Keppel Corporation and Temasek Foundations Innovates.



The water week was graced by Mr Tharman Shanmugaratnam (left), Singapore's Deputy Prime Minister and Coordinating Minister for Economic and Social Policies delivering an opening address and His Excellency Ranil Wickremesinghe (right), Sri Lanka's Prime Minister delivering the keynote address.

## *Celebrating 10 years of water excellence*



Delegates were welcomed to input their thoughts on past and future water industry trends via the interactive word cloud application.



To commemorate the SIWW's 10 years of excellence this year, PUB, Singapore's National Water Agency collaborated with Brewerkz to create NEWBrew, a uniquely Singaporean tippel made with NEWater.



SIWW celebrated 10 years of water excellence with partners who had been supporting the water week since its inception.

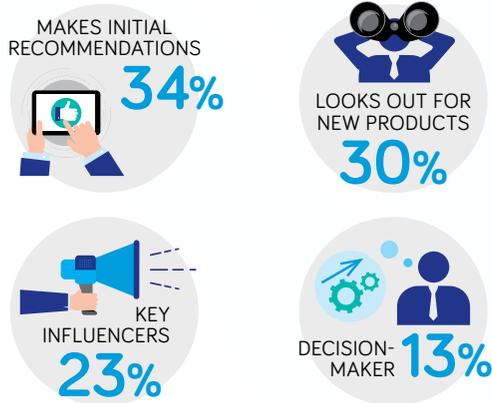
Scan to view the SIWW 10 years of water excellence story series



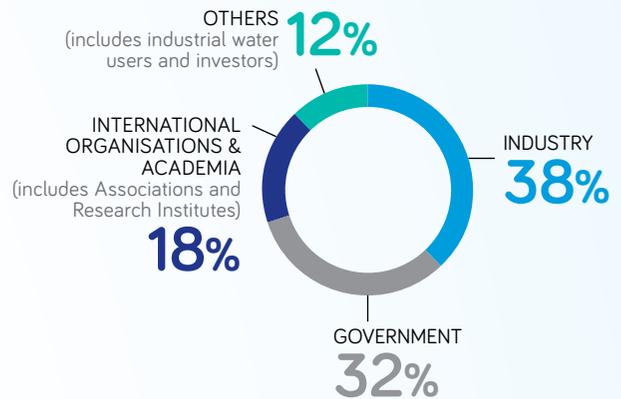
[bit.ly/siww10years](https://bit.ly/siww10years)

# THE PREMIER GLOBAL WATER EVENT

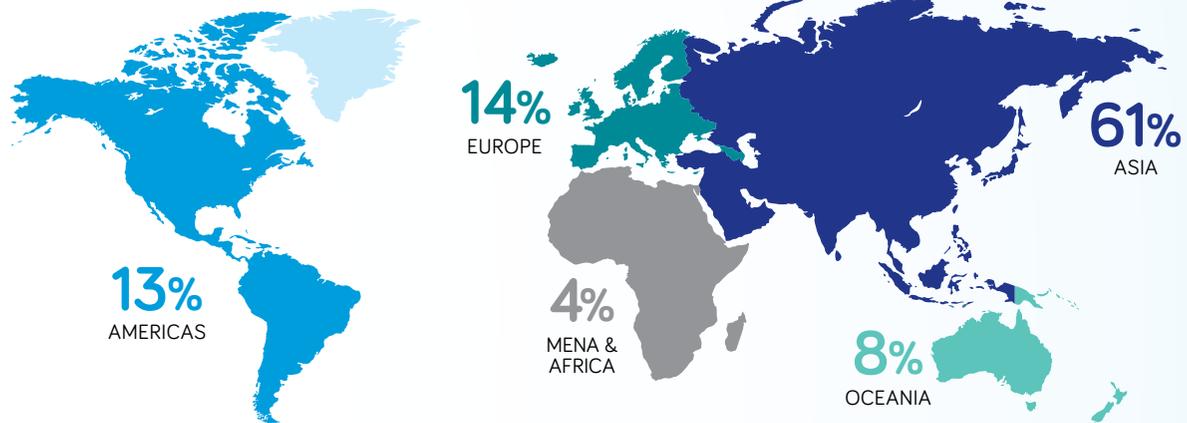
## PROFILE/PURCHASING DECISION



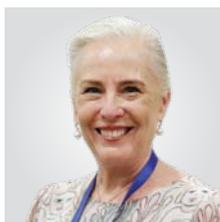
## SECTOR BREAKDOWN



## TOP REGIONS AT SIWW 2018 EXCLUDING SINGAPORE



Statistics reflected are based on Singapore International Water Week 2018



*SIWW is a great way to catch up with a wide variety of water experts in one place at one time. Singapore has an integrated approach to water cycle management that is breath-taking. With constrained land area has come innovation. To be able to learn from PUB, concurrent with meeting global experts and thought leaders, is great.*

**SUE MURPHY,**  
Chief Executive Officer,  
Water Corporation,  
Australia



*Singapore International Water Week is a very good platform for innovators, scientist, businesses and the different stakeholders to come together and work together to come out with solutions.*

**CECILIA CHOW,**  
Deputy Chief Executive  
Officer, ZWEEC,  
Singapore



*Here [at SIWW] is an excellent opportunity for us to meet some of our clients who are looking at the best technology for their own operations. It is a great way for us to look at new partners to develop activities, not only in the region but worldwide.*

**BERTRAND CAMUS,**  
Group Senior Executive  
Vice President in charge  
of Africa, Middle East,  
India, Asia and Pacific,  
SUEZ, France



*The big water issue that we focused on is around water scarcity and we are big believers that first you have to create awareness. The way we can create the awareness is if we have a stage or a platform to have that conversation and certainly Singapore International Water Week does that at a very fantastic level. It is also a great opportunity for us to learn.*

**PATRICK DECKER,**  
President and Chief  
Executive Officer, Xylem,  
USA



THOUGHT LEADERSHIP

# GATHERING WATER THOUGHT LEADERS FOR SUCCESS

## WATER LEADERS SUMMIT



The panel of speakers made up of global water leaders speaking at the Water Leaders Insight: Recycling and Reusing Water Endlessly session.

The **Water Leaders Summit (WLS)** is an exclusive high-level gathering which provides the latest policy, business and technological insights into tackling our shared water challenges. Insights were shared on how water management should evolve as cities develop circular economy, closing the water-energy-waste loop, water reuse, and smart water technologies.

The inaugural **Environment and Water Leaders Forum (EWLF)** presented delegates the opportunity to share their views on how improved resource efficiency and the circular economy model can support global climate goals as outlined in the Paris Agreement on climate change.

WLS also welcomed the 8th General Secretary of United Nations, His Excellency Ban Ki-moon who called for more global partnerships to tackle the world's water problems during his keynote address at the **Water Dialogue**.



*Since 2008, this dynamic event (SIWW 2018) has served as the world's premier global platform for innovative water solutions, which has brought together more than 20,000 experts, ministers, government officials, business CEOs and civil society leaders.*

**HIS EXCELLENCY BAN KI-MOON,**  
8th Secretary-General,  
United Nations



ATTENDED BY **500** LEADERS FROM GOVERNMENTS, UTILITIES, INTERNATIONAL ORGANISATIONS, ACADEMIA AND INDUSTRY.

## YOUNG WATER LEADERS SUMMIT



Maryam Farhanah (second from left), represented the youth voice at the Young Water Leaders Summit.

Finding and developing future generations of water entrepreneurs is key to creating a sustainable future. The **Young Water Leaders Summit (YWLS)** brings together water leaders of the future, and seeks to influence, equip, and transform them to become effective catalyst of continuous change in

their home region and in the wider water world. In 2018, YWLS welcomed more than 100 young water professionals from over 40 countries with the discussions focused on issues such as flood risk management, sanitation, water governance and water security. Maryam also represented the Young Leaders to share their views and learnings at the closing session of the Water Leaders Summit.

*The discussions really hit home about the growing inequalities between developing and developed nations, and how we need to rethink ways to address water and wastewater needs so that they are suitable for each local context.*



**MARYAM FARHANAH**  
Process Engineer  
Mott McDonald



SOLUTIONS

## EXCHANGE SOLUTIONS AND BEST PRACTICES

### LEE KUAN YEW WATER PRIZE



Prof Rita Colwell, the 2018 Lee Kuan Yew Water Prize Laureate, delivered the Water Prize Lecture to a captivating audience of global leaders and water practitioners.

Over the past decade, eight scientists and organisations have been honoured with the **Lee Kuan Yew Water Prize** for their breakthroughs in water innovation. The prize honours outstanding contributions by individuals or organisations towards solving the world's water challenges through innovative technologies, programmes or policies.

American microbiologist, Prof Rita Colwell, was awarded the Lee Kuan Yew Water Prize 2018 for her pioneering insights into microbial water quality surveillance, and her pivotal contributions in translating these insights into concrete practices and policies to better manage waterborne diseases and protect public health.

Prof Colwell was honoured at the Lee Kuan Yew Award Ceremony 2018 and delivered the Water Lecture at the SIWW.

She plans to use the cash award to fund her research on fighting cholera in Africa.

The Call for Nominations for the Lee Kuan Yew Water Prize 2020 will commence on 22 March 2019, World Water Day.



*Two billion people worldwide now use a drinking water source that is contaminated with pollutants [but] we are now launching what I think is the most exciting work of all. This is the ability to extract DNA directly from water samples to be able to determine very quickly bacteria, viruses, parasites and fungi (in the samples) all at once and how they interact. This I think will be a major breakthrough for the water industry.*



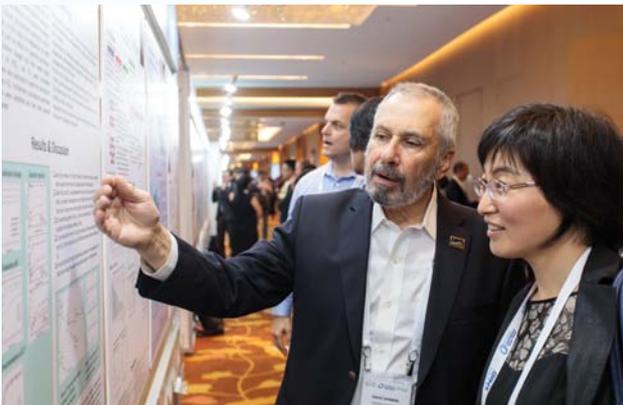
**PROFESSOR RITA COLWELL,**  
Lee Kuan Yew Water Prize 2018  
Laureate

Watch her inspiring video here



[bit.ly/LKYWP2018](http://bit.ly/LKYWP2018)

### WATER CONVENTION



SIWW Water Convention spans over workshops, plenaries, technical sessions and poster presentation (above), the latter which received over 200 presentations.

Over the past decade, **Water Convention** has fostered cross-sector and cross-country collaborations through its workshops, technical sessions and poster presentations on emerging research, technologies and practices which are key to the delivery of resilient and sustainable water systems.

In 2018, more than 300 papers were presented at the Water Convention to over 1,200 delegates from 59 countries from around the world.

### LAUNCH OF THE SINGAPORE WATER EXCHANGE



Dr Amy Khor (centre), Senior Minister of State for the Environment and Water Resources, launched the Singapore Water Exchange alongside Mr Tan Yok Gin (right), Deputy Chief Executive (Operations), PUB, and Dr Pang Chee Meng (left), Director, Industry Development, PUB.

PUB, Singapore's National Water Agency, launched the Singapore Water Exchange, a new dedicated space to further the growth of the vibrant and dynamic water industry in the country.

This collaborative ecosystem is the first-ever to house water companies spanning the entire water value-chain, providing opportunities to leverage on mutual strengths and potential synergies to push the frontier of water innovation and business growth.



TECHNOLOGY

# DISCOVER TECHNOLOGY AND CUTTING-EDGE INNOVATION

## WATER EXPO @ CITY SOLUTIONS SINGAPORE

RESERVE YOUR SPACE AT THE EXPO NOW!

Contact Ms Germaine Low at [germainelow@siww.com.sg](mailto:germainelow@siww.com.sg)



The Smart Water Pavilion offered a glimpse into the future of smart technologies that PUB is embarking on to enhance productivity and service delivery.

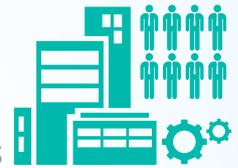
Water Expo 2018 showcased a comprehensive range of products and services and the latest state-of-the-art technologies of the entire water value chain. It featured the Smart Water Innovation Pavilion and the Tuas Nexus Pavilion which displayed iconic flagship projects undertaken by PUB and NEA respectively in the arena of used water and solid waste management.

IN 2018, CITY SOLUTIONS  
**SINGAPORE**



OCCUPIED MORE THAN  
**35,000 SQM**  
OF EXHIBITION SPACE

BROUGHT TOGETHER  
MORE THAN **1,100**  
PARTICIPATING COMPANIES  
AND INNOVATIVE START-UPS



CONSISTED OF  
**28** COUNTRY  
AND GROUP  
PAVILIONS



## TECHXCHANGE



TechXchange participants were able to witness intelligence, creativity and know-how at the Business Pitching sessions.

The TechXchange conference connects innovators with partners, buyers and investors to accelerate commercialisation of new water technologies from lab to market. Delegates witnessed game-changing innovative technologies, participated in an interactive debate, and were inspired by successful technopreneurs and water veterans.

A total of 12 start-ups/SMEs pitched to an audience of over 250 delegates. AeroLion and Aquafortus received the coveted TechXchange 2018 Rising Star Award, while the Most Valuable Technology went to ROTEC for presenting the best business case and innovative technology.

*The TechXchange and Innovation Pavilion showcase how technology is evolving across a diverse range of areas and how water technologies will not only meet the current needs of the market, but also shape and impact it in the medium and long term.*

**PAUL O'CALLAGHAN,**  
Founder and Chief Executive Officer, BlueTech Research



## SITE VISITS



Participants at the Tuas Desalination Plant (above) and Sembcorp NEWater Plant (bottom).

Over 150 participants gained a deeper understanding of Singapore's water landscapes through technical visits to treatment plants, learnt how NEWater is produced and visited the first PUB facility purpose-built to facilitate the piloting of desalination-related technologies. This included the Changi Water Reclamation Plant, Sembcorp NEWater Plant, Desalination Plant and PUB R&D Facility.



BUSINESS

# GROWING YOUR BUSINESS FOOTPRINT

## BUSINESS FORUMS



The Tuas Nexus forum saw a more than full-house turnout where PUB's multi-billion dollar infrastructure projects and partnerships were shared with global delivery partners.

Since its inaugural edition in 2008, SIWW's Business Forums have helped water companies navigate the opportunities and challenges in various water sectors, as well as in some of the world's most active regions for water projects.

 >1,800  
PEOPLE

 7 BUSINESS FORUMS

2 REGIONAL TRACKS –  
SINGAPORE AND SOUTH ASIA

5 THEMATIC TRACKS –  
DESALINATION AND WATER REUSE,  
INDUSTRIAL WATER SOLUTIONS,  
SMART WATER SYSTEMS,  
TUAS NEXUS, WORLD BANK



## BUILDING PARTNERSHIP & FOSTERING INNOVATION AND TECHNOLOGY



SIWW is also a platform to forge new partnerships and business opportunities.



Close to S\$23 billion worth of value for business announcements and Memorandums of Understandings (MOUs) were signed at SIWW 2018. These included the call for upcoming tenders for the works in Tuas Nexus, unveiling of PUB's five-year SMART roadmap, PUB and Grundfos' three-year agreement, launch of Singapore Envirotech Accelerator (SEA by Citic Envirotech Ltd), opening of Memstar's first membrane manufacturing plant outside Asia in Conroe, Texas, establishment of a new R&D centre in Singapore by Gradient Corporation and World Bank's announcement of 18 water projects in East Asia & The Pacific and South Asia Regions.

## SPECIAL ASEAN MINISTERIAL MEETING ON CLIMATE ACTION



Ministers and delegates at SAMCA.

Over 80 co-located events added to the vibrancy and buzz. A highlight was the **Special ASEAN Ministerial Meeting on Climate Action (SAMCA)**, a regional platform hosted by Singapore to discuss climate action efforts. At the meeting, Singapore's Minister for the Environment and Water Resources Masagos Zulkifli launched the Climate Action Package, a slew of Singapore-led programmes to help ASEAN countries tackle climate change.

## AQUA CONVERSATIONS



C-Suite leaders at the exclusive Aqua Conversations.

**Aqua Conversations** was an exclusive event tailored for a niche group of C-level executives. The session highlighted regional and global business trends and the need to drive integration across private and public sectors for growth and sustainability.

The distinguished speaker was Mr Peter Ho, Senior Adviser to the Centre for Strategic Futures and Chairman of the Urban Redevelopment Authority of Singapore.

# SIWW 2018 SPONSORS AND PARTNERS

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Singapore International Water Week Pte Ltd, a company set up by Singapore's Ministry of the Environment and Water Resources and PUB, Singapore's National Water Agency.



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## SPONSORSHIP AND PARTNERSHIP OPPORTUNITIES

As a testament to its status as the leading global platform for business, technology, and solutions in the water industry, returning exhibitors have already committed more than 50% of exhibition space, well ahead of SIWW 2020. Raise your company's profile with partnership packages or ala-carte sponsorships to enjoy premium level of recognition, branding priority and networking opportunities. Don't wait, speak to us today!

For more information, please contact **Ms Germaine Low**, Sales Manager  
Tel: +65 65956301 HP: +65 9118 5548 Email: [germainelow@siww.com.sg](mailto:germainelow@siww.com.sg)

## SPOTLIGHT 2019

Held in between the main SIWW editions, the *SIWW Spotlight* series are exclusive by-invitation events to continue the dialogue from SIWW and foster ongoing exchanges on pressing challenges faced by the water industry worldwide. This meeting of minds focuses on critical issues and discussions in greater depth, where the outcomes will shape the programme and content for SIWW.

## SINGAPORE INTERNATIONAL WATER WEEK 2020



The Singapore International Water Week (SIWW) is the world's premier platform to connect the water industry for innovative solutions and sustainable urban water management. The biennial event gathers stakeholders from the global water industry to share best practices, showcase latest technologies and tap business opportunities.

For more information, visit [www.siww.com.sg](http://www.siww.com.sg).

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