

Ozwater'17  
Sydney Water Program



Sydney WATER

### Get your bottles

From the Water Bar – all donations go to WaterAid for improving water and sanitation conditions in 37 countries, transforming millions of lives every year.














For more information about Sydney Water at Ozwater17  
[www.sydneywater.com.au/ozwater17](http://www.sydneywater.com.au/ozwater17)

## Exhibition Map



### Key

-  Sydney Water Stands
-  Stands
-  Australian Water Association
-  Innovation Showcase
-  Posters
-  Water Stations
-  Toilets
-  Lifts
-  Deligates Lounge
-  Catering Station
-  Coffee and Tea

refill your bottle here





## Presentations at the Sydney Water stand

11 am

**Living with 8 million people – Sydney’s water future** Greg Allen, Kaia Hodge

11.45 am

**Research and Innovation at Sydney Water** Michael Storey, Research Direction and Value Manager

1 pm

**Innovation to drive efficiency in infrastructure delivery** Mark Simister

2 pm

**Putting a value on cleaner beaches** Nicola Nelson, Michelle Mountford, Deloitte Access Economics

11 am

**Success in data analytics collaboration** Dammika Vitanage

11.45 am

**Novel photonic humidity sensors to manage corrosion in gravity sewers** Heri Bustamante

1 pm

**Waterway health and restoration in Sydney** Dan Cunningham

2 pm

**Water sensitive urban design for sustainable urban development** Shona Fitzgerald

10 am

**Renewable energy at Sydney Water** Phil Woods

11 am

**Development of online wastewater monitoring equipment** Gino Iori, Derek Cunningham

## Meet our presenters

After each conference session, our presenters will be on the Sydney Water stand, where you can ask further questions and continue discussing issues and concepts with them.

# You’re invited to visit Sydney Water at Ozwater’17

Stand F01a and F01b

Attending conferences and exhibitions is exhilarating but it can be thirsty work.

**Drop by our Water Bar – take some time out to rest and have a drink on us and try our fruity infusions!**

- Attend our short presentations
- Meet our conference speakers
- Get your limited edition Ozwater’17 bottle – all donations go to WaterAid
- Refill your water bottle at our mobile water units
- You can even recharge your mobile device!

**Our team will be on the Sydney Water stand ready to discuss the latest we’ve got to offer from areas including:**

- Research and Innovation
- Monitoring Services and Freshwater Marine Ecology Services
- Sydney Water Developer Direct
- Our people and our culture
- Education and community engagement.

For more information [www.sydneywater.com.au/ozwater17](http://www.sydneywater.com.au/ozwater17) Get involved and follow the conversation at #ozwater.



## Tuesday 16 May 2017

● 8.30 am – 10 am

### Opening Ceremony

Kevin Young, Managing Director, Sydney Water

● 10.15 am – 10.25 am

### Theatrette

↓ *Partnering with the Private Sector* (Mark Simister)

● 10 am – 10.45 am Morning tea

● 10.45 am – 12.15 pm

### Stream 3

*Customer and Community – Customer Strategies*

**Technical paper:** Making and keeping customer promises: Sydney Water’s approach to putting customers at the heart of everything we do. (Sally Armstrong)

### Stream 4

*Waters Contribution to Communities of the Future – Intergenerational Thinking*

**Technical paper:** Putting a value on cleaner beaches in Sydney – socio-economic impact of the deep ocean outfalls 25 years on. (Nicola Nelson)

### Stream 6

*Changes in Governance, Policy, Regulation and Structure – Outcomes Focused Regulation*

**Technical paper:** Economic level of water conservation – a case study in outcomes-based regulation. (Michael English)

● 12.15 pm – 1.15 pm Lunch

● 1.15 pm – 3.15 pm

### Stream 1

*Innovation in operations and Asset Management – Coagulation and Filtration*

**Technical paper:** Development and implementation of a novel method to measure and improve filter backwash. (Ashley Smith)

● 1.15 pm – 3.15 pm (continued)

### Stream 2

*Biosolids and Residuals*

**Technical paper:** The sweet smell of success improving biosolids quality for beneficial reuse. (Michael Young, Sydney Water / Julian Briggs, Aurecon)

### Stream 3

*Customer and Community – Customer Strategies*

**Case study:** Early detection of concealed leaks helps prevent bill shock. (Andre Boerema)

### Stream 3

*Customer and Community – Customer Journey Mapping and Experiences*

**Poster:** Leveraging the Web-User experience to build customer-centric insights: A smart way to bridge businesses and customer needs. (Emily Ryan)

**Technical paper:** Improving the developer experience with water utilities. (Andrew Kirkwood)

● 3.15 pm – 4 pm Afternoon tea

● 4 pm – 5.30 pm

### Stream 1

*Innovations in Operations and Asset Management – Network Water Quality Management*

**Technical paper:** Sharing the Experience of Trialling online ammonia Analysers for Chloramination management. (Chris Chow, UniSA/SA Water, Greg Stonehouse, Sydney Water)

### Stream 2

*Energy Optimisation in Wastewater Treatment*

**Technical paper:** Aeration Diffuser Monitoring and Care. (Tom Lawson, Aqua-Audit and Derek Van Rys, Sydney Water)

### Stream 3

*Customer and Community – Supporting Customers (Hardships and Efficiencies)*

**Case study:** Working with customers to reduce estimated bills. (Melanie Werner, Mirko Shramek)

## Wednesday 17 May 2017

● 8.30 am – 10 am

### Keynote speaker session

● 10 am – 10.45 am Morning tea

● 10.45 am – 12.15 pm

### Workshop/panel discussion

Transitioning from Asset-centric to Customer-focused Melbourne Water and Sydney Water

### Stream 2

*Innovations in Operations and Asset Management – Condition Assessment*

**Technical paper:** Video monitoring to detect saltwater ingress in sewer main. (Timothy Hill and Jeremy Hearfield)

### Stream 3

*Managing Change, People and Organisations in the Water Sector – Empowering an agile Workforce*

**Technical paper:** Agile and design thinking approach to product design development on team level antecedents of innovation: The team Labobo journey. (Raymond Llave, Steven Lin and Elline Camilet)

### Stream 4

*Waters Contribution to Communities of the Future – Waterways and the Community*

**Poster:** Alexandra canal rehabilitation: A case study for living infrastructure. (Dan Cunningham)

**Technical paper:** What next for liveability? Learning from the past and prioritising for the future. (Shona Fitzgerald)

● 12.15 pm – 1.15 pm Lunch

● 1.15 pm – 3.15 pm

### Workshop/panel discussion

Collaborate with Australian water utilities on a national risk based framework for wastewater overflows.

### Stream 1

*Innovations in Operations and Asset Management – Harnessing the Power of Data*

**Technical paper:** Success in data analytics a Sydney Water and Data61 collaboration. (Dammika Vitanage, Fang Chen, Data61)

### Stream 2

*Corrosion and Odour*

**Poster:** Development of dynamic control for Hydrogen sulphide mitigation in sewer system. (Stella Modyanto)

**Technical paper:** Innovation in corrosion monitoring in sewers use of novel photonic sensors for humidity measurements in gravity sewers. (Heri Bustamante)

● 3.15 pm – 4 pm Afternoon tea

● 4 pm – 5.30 pm

### Stream 2

*Smart Wastewater System*

**Technical paper:** Predicting sewer chokes using machine learning. (Bronwyn Cameron)

● 6.30 pm – 11 pm

↓ **Gala Dinner and Australian Water Awards Night** (ticket required)

## Thursday 18 May 2017

● 9 am – 10.30 am

### Stream 6

*Innovations in Operations and Asset Management – Modelling and Planning*

**Technical paper:** System blueprint aligning short term investment with long term strategy. (Anil Jaiswal)

### Workshop/panel discussion

↓ The rise of bottled water: What does it mean for Tap Water and Public Utilities?

● 10.30 am – 11.15 am Morning tea

● 10.45 am – 12.15 pm

### Stream 3

*Waters Contribution to Communities of the Future – Producing Energy*

**Technical paper:** Energising Sydney Through Food waste. (Brendan Galway)

### Stream 6

*Innovations in Operations and Asset Management – Novel Treatment Applications*

**Poster:** Statistical model development to anticipate filter breakthrough and optimise chemicals during high colour raw water events. (ASM Mohiuddin)

● 11.15 am – 12.45 pm

### Workshop/panel discussion

↓ Innovative community engagement for odour management.

● 12.45 pm – 1.45 pm Lunch

● 1.45 pm – 3.15 pm

### Keynote session

● 3.15pm – 3.45pm

### Closing session

● 3.45pm – 4.30pm

### Closing drinks

