



Official Conference Program

THURSDAY 25 NOVEMBER – DAY ONE

8:00am	Registration and Trade Exhibition - Open	
8:30am	SESSION 1: Official Conference Open Welcome to Country	
8:40am	Welcome to Day One: Nicole Davis, QLD Branch President, Australian Water Association	
8:50am	National President Address: Louise Dudley, Australian Water Association	
8:55am	Ministerial Address	
9:05am	Host Sponsor Address - Seqwater	
9:10am	Keynote Presentation Say Yes to A Better Future <i>Dr James Fielding, CEO and Managing Director, Audeara</i>	
9:40am	Keynote Presentation Virtual Presentation Logan City - The Drone Delivery Capital of the World <i>Jesse Suskin, the Head of Government Relations and Public Policy – Australia, Wing</i>	
10:10am	Principal Sponsor Address - Arup	
10:15am – 10:55am Morning Tea - Trade Exhibition		
10:55am	SESSION 2: BUSINESS IMPROVEMENT	SESSION 3: WHAT'S UP IN INFRASTRUCTURE
11:00am	A Comparative Analysis Across Industries for New Water Ideas. A Literacy Case Study <i>Matthew Lane, Atria Group</i>	Barnes Hill Valve Replacement - Planning & Delivering for and Through Adversity <i>Dan Sedunary, Seqwater & Judy Taylor, Urban Utilities</i>
11:25am	The Post-COVID-19 Future of Urban Water <i>Morgan Foster & Melissa Truong, Arup</i>	Transformation of Regional Lagoon Based Treatment <i>Andrew Ward, Australian Centre for Water and Environmental Biotechnology (ACWEB)</i>
11:50am	Business Transformation in an Era of Disruption <i>Mike Basterfield, Logan Water</i>	Case Study: Lessons Learnt from Waking Up Southeast Queensland's Western Corridor Recycled Water Scheme <i>Rebekah Gilmour & Anisha Aery, Veolia</i>
12:15pm	The Limits of Efficiency <i>Stephen Walker, Cardno</i>	Strategic Plan to Minimise Water Restrictions During Summer <i>Hemadri Saha, WSP Australia</i>
12:40pm – 1:40pm Lunch - Trade Exhibition		
1:40pm	SESSION 4: DATA DRIVEN DECISION MAKING	SESSION 5: CUSTOMER ENGAGEMENT
1:45pm	Product Pitch Asset Criticality Assessment Assisting Redland City Council to Plan for Future Investment	Product Pitch: TO BE ANNOUNCED

	<i>Joanne Pu, Clear Idea</i>	
1:50pm	Risky Business: Improving Capital Decisions and Agility <i>David Nugent, Seqwater</i>	Enhancing Community and Environmental Outcomes for Infrastructure Projects During A Pandemic <i>Jo Duncan, AECOM</i>
2:15pm	Smart Treatment Plants - Data Driven Cost Reductions <i>Wayne Spittal & Margit Connellan, SUEZ</i>	Community Interactive Mapping <i>Eamonn Flynn, Downer</i> <i>Katelyn Venn, Urban Utilities</i> <i>Jonathan Farrell & Luke Chippendale, Downer</i>
2:40pm	Embodied Carbon Emissions: A New Criteria Needed for Pipe Material Selection in SEQ <i>Deni Estivill & Marco van Winden, AECOM</i>	Virtual Presentation Community Journeys on Purified Recycled Water In Orange County California, And Hunter Water Newcastle <i>Danielle Francis, WSAA</i> <i>Clare Hogue, Hunter Water</i>
3:05pm	Embracing Technology to Reduce Sewerage Overflows and STP Bypass <i>Scott Gerke, DHI</i>	Growing Water Literacy One H2O Kid at a Time, An Analysis of Seqwater's Journey into Water Education <i>Idske Galema & Michael Fiechtner, Seqwater</i>
3:30pm – 4:00pm Afternoon Tea – Trade Exhibition		
4:00pm	SESSION 6: POLICY AND PLANNING	SESSION 7: PANEL DISCUSSION
4:05pm	Using Wastewater to Track COVID-19 And Other Public Health Risks <i>Greg Jackson & Dr Phil Choi, Queensland Health</i>	Shifting The Angle – Exploring Diverse Perspectives to Embrace Disruption Facilitator: Charlene Wong, Aurecon <u>Panellists:</u> <i>William Speirs, Urban Utilities</i> <i>Dr. Lachlan Guthrie, International WaterCentre</i> <i>Brett Porter, Inghams Group Limited</i> <i>Bee Cruse, Veolia Water Operations</i>
4:30pm	City Design, Water, and Climate Change <i>Jaime Traspaderne, Arup</i>	
4:55pm	Drought As a Disruptor - How Drought Can Drive Evolution in Water Management Rules <i>John West, Seqwater</i>	
5:20pm	Day One Wrap Up	
5:30pm – 6:15pm Meet the trade drinks – Trade Exhibition		
6:30pm-11:00pm	Conference Dinner at Plaza, Sea World Resort (Included in Full Conference Registration / RSVP required)	

FRIDAY 26 NOVEMBER – DAY TWO

8:30am	Registration and Trade Exhibition - Open	
	SESSION 8: DAY TWO OPENING KEYNOTE SESSION	SAFETY INNOVATION IN UTILITIES PROGRAM
9:00am	Chair Welcome - Day Two	Welcome Address <i>Melissa Williams, General Manager People, Culture and Safety, Seqwater</i>
9:05am	Principal Sponsor Address <i>Scott Murphy, General Manager Queensland – Water, Veolia</i>	9:05am Presentation 1 Leading Through Adversity <i>Andrew Bills, CEO, CS Energy</i>
9:10am	Keynote Presentation Leveraging Off Disruption to Make Paradigm Shifts <i>Linda Dobe, Deputy Director-General, Water, Department of Regional Development, Manufacturing and Water</i>	9:50am Presentation 2 Critical Controls: From Identification to Implementation <i>Adam Schultz, Seqwater</i>

9:40am	Keynote Presentation Virtual Presentation Global Trade and Supply Chain Disruption <i>Jarrold Ball, Chief Economist, CEDA</i>		
10:05am – 10:45am Morning Tea - Trade Exhibition		10:35am – 11:10am Morning Tea - Trade Exhibition	
10:45am	SESSION 9: INTERGENERATIONAL ISSUES	SAFETY INNOVATION IN UTILITIES PROGRAM	
10:50am	Product Pitch Photothermal Desalination with Zero Energy Loss by Using A Heatsink Inspired Solar Evaporator <i>Qin Li, Griffith University</i>	11:10am	Presentation 3 Contractor Management – Partnering in Safety <i>Michael Kahler, Urban Utilities</i> <i>Gordon Lynch & Eamonn Flynn, Downer</i>
10:55am	From Little Things Big Things Grow: Lessons Learnt from An Environmental Pfas Investigation <i>Kelly Hopewell, City of Gold Coast</i>		
11:20am	NQ Conference Best Paper Presentation What Do Turtles and Wastewater Have in Common? – A Study on Antibiotic Resistance <i>Kezia Drane, James Cook University</i> <i>Anna Whelan, Townsville Water</i>		
11:45am	A Collaborative Process for Progress in Indigenous Community Essential Service Delivery <i>Cara Beal & Melissa Jackson, Griffith University</i> <i>Paul Ransom, TSIRC</i> <i>Dane Thomas Energy Qld Ltd</i>	11:55am	Presentation 4 Legislation Change – Positive Disruption <i>Ben Ingram, Unitywater</i> <i>Bradley Geinitz, Occupational Hygienist, WorkSafe Qld</i>
12:10pm	TO BE ANNOUNCED		
12:35pm – 1:20pm Lunch - Trade Exhibition		12:40pm – 1:40pm Lunch - Trade Exhibition	
SESSION 10: COLLABORATION IS KEY		SAFETY INNOVATION IN UTILITIES PROGRAM	
1:20pm	Engineering To Success with All Heads In <i>Kartikee Gupta, WSP</i>	1:40pm	Presentation 5 Virtual Presentation Reimagining traditional training using immersive simulations <i>Gavin Kenny, Manager SHEQ – Service Delivery, Melbourne Water</i> <i>Associate Professor Ben Horan, Director – CADET Virtual Reality Training and Simulation Research Lab, School of Engineering, Deakin University</i> <i>Scott McMillan, Manager, Technology and Innovation – SHEQ – Melbourne Water</i>
1:45pm	Reflections in Diversity - The Power of People <i>Natalie Muir, Cardno</i> <i>Tom Mizrahi, QUT</i>		
2:10pm	Mission Possible: A Sustainability Pathway to 2026 And Beyond <i>Jordan Alegre & Stacey Lindsay, Unitywater</i>	2:25pm	Panel & Round Table Discussion Achieving Positive Change in Safety Through Disruption
2:35pm	Not The White Shoe Shuffle, But It Does Take Two to Tango to Deliver Greenfield Wastewater Infrastructure <i>Laurence Marano & Simon Hawkes, WSP</i>		
3:00pm – 3:25pm Afternoon Tea - Trade Exhibition		3:10pm	Safety Program Concludes
3:25pm	SESSION 11: MAKING GREEN GREAT AGAIN		

3:30pm	Wamuran Irrigation Scheme – Sustainable Growth, Enhancing the Local Economy <i>Marco van Winden, AECOM</i>	
3:55pm	Making Great Green Infrastructure Mainstream <i>Michael Lawrence, Bligh Tanner</i>	
4:20pm	Contemporary Wastewater Management Approaches in Southeast Queensland Using Offsetting and Nature-Based Solutions <i>Tony McAlister, Water Technology</i> <i>Kevin Page, Gold Coast City Council</i>	
4:45pm	Conference Closing and Best Paper Award Presentation (<i>Sponsored by University of Queensland</i>)	
5:00pm	Conference concludes	

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QWater'21 Conference Program Highlights

Keynote Speakers

DAY 1



Dr James Fielding, CEO and Managing Director, Audeara

Bio

Dr Fielding completed dual bachelor's degrees in business management and Biomedical Science at University of Queensland. After working in finance and public relations in New York City, Dr Fielding gained graduate entrance into a Bachelor of Medicine/Bachelor Surgery, earning a scholarship for the University of Queensland's Medical Leadership Program, being an adapted MBA program for medical school students, conferring a Graduate Certificate of Executive Leadership.

Dr Fielding was based at the Royal Brisbane and Women's Hospital before leaving full time clinical medicine to focus on developing Audeara's business as its Managing Director and Chief Executive Officer.

Presentation Details

Say Yes to A Better Future

A journey of driving change happens by not sitting back and waiting for other people to solve your problem. Most people are resistant to change and if the last 18 months has told us anything, it's that change can be scary, but it can also shake off the old cobwebs and create room for much needed improvements.

DAY 1



Jesse Suskin, the Head of Government Relations and Public Policy – Australia, Wing

Bio

Jesse Suskin is the head of government relations and public policy in Australia for Wing, a company that sees a future where drone delivery is the safest, fastest and most environmentally friendly way to transport small items. Before joining Wing, Jesse spent over six years with Google, working in government relations, public affairs, and public policy in Washington, DC and Sydney, Australia. Prior to joining Google, Jesse spent two years working for the Government of Australia at its Embassy in Washington, DC, advising Ambassador Kim Beazley. Earlier in his career, Jesse worked in politics and public service including at the White House as Associate Director of Communications for President George W. Bush, and as Director of Media Services for Massachusetts Governor Mitt Romney.

Presentation Details

Logan City - the Drone Delivery Capital of the World

Wing is using autonomous drones to deliver thousands of packages every week to homes and businesses across Logan. Jesse Suskin will explain how Wing ended up making its largest operational investment in Southeast Queensland, and how what is taking place in Logan, is shaping what drone delivery will look like globally.

DAY 2



Linda Dobe, Deputy Director - General, Water, Department of Regional Development, Manufacturing and Water

Bio

Linda has worked in state government water functions for more than 18 years with lead roles covering all aspects of urban water, rural water, policy and regulation and bulk water infrastructure planning.

Prior to working in water, Linda worked for 5 years in the state government mines department on various policy and planning matters, stakeholder engagement and led the state's Indigenous Land Use Agreement for Exploration projects. Linda also has private sector experience in education, finance, and mining, where she worked as an exploration geologist for some years.

She has strong networks in the water sector and enjoys the challenge building teams of people across organisations to respond to difficult problems.

Presentation Details

Leveraging Off Disruption to Make Paradigm Shifts

The water sector has a myriad of challenges to overcome – whilst under constant public scrutiny. We will look at examples of when a crisis has been used to drive innovation and change in the Queensland water sector and discuss how we might use this to our advantage in the future.

DAY 2



Jarrod Ball, Chief Economist, CEDA

Bio

Jarrod Ball joined CEDA as Chief Economist in 2017 and has two decades of experience as an economist across the public and private sectors. He has held senior roles at the Business Council of Australia, in EY's advisory services practice and more recently at BHP. Jarrod also worked in the Federal Government and was a lead adviser on microeconomic reform for the Victorian Departments of Premier and Cabinet and Treasury and Finance. Jarrod holds a Masters degree in

Economics from Monash University and is an adjunct Associate Professor at the Deakin Business School.

Presentation Details

Global Trade and Supply Chain Disruption

One of the most persistent impacts of COVID-19 has been disruption to global trade and supply chains. Jarrod will put current disruptions into perspective, reflecting on the drivers of supply chain disruption and the economic impacts to date. He will also outline the temporary and long-term changes in behaviour we are likely to see, particularly as companies confront the increasing threat of disruption to global supply chains from climate and geostrategic events.

Panel Discussion (facilitated by YWP) – Day 1

Shifting The Angle – Exploring Diverse Perspectives to Embrace Disruption

Panel Overview

Disruption can often happen when we reframe our focus and look at a problem through a different angle.

Think about the last 18 months: The global pandemic has disturbed everyone’s way of living. This disruption has caused many of us to shift perspectives and reinvent the way companies and people design and adopt more resilient, flexible, and safer solutions. All around the world we have numerous examples of innovations that have drastically transformed an industry by exploring new angles and breaking with traditional viewpoints.

What about the water industry? What problems do we view through outdated perspectives, and what could provide us with positive disruptions? And more importantly, how do we harness these new angles to transform our challenges into opportunities?

South-East Queensland, like many urban centres throughout Australia and the World, is expected to more than double in population over the next fifty years. At the same time, we hear the term 'day zero' more and more often on the news as our regional towns are increasingly facing water security challenges.

Increasingly, we are recognising the more complex systems that make up the water industry, such as water reuse, digital transformation, and different values of water. Navigating these current and future trends, shocks and 'disruptive angles' to both protect and enhance the sustainability of the water industry is a growing challenge but also opens up new pathways for the way we plan and use water.

Quoting the infamous Albert Einstein, “A new type of thinking is essential if mankind is to survive and move toward higher levels”. We simply cannot solve problems by using the same kind of thinking that created these problems. Let's dive into diverse points of view to rethink our outlook on how the environment, the influence of traditional owners, the society, and culture can help us nurture a healthier and more sustainable water industry.

Speakers



Facilitator
Charlene Wong
Aurecon



Panellist
William Speirs
Urban Utilities



Panellist
Dr. Lachlan Guthrie
International WaterCentre



Panellist
Brett Porter
Inghams Group Limited



Panellist
Bee Cruse
Veolia Water Operations