

10 YEARS



Water
Research
AUSTRALIA

next water

12-13 February 2019
Melbourne

Post Event Report

www.waterra.com.au/nextwater

Thank you for attending Next Water

Thank you for attending Water Research Australia's research and innovation conference – Next Water – and helping to make the event a great success. Over 200 delegates from across Australia and overseas came together to learn and explore how collaborative research is generating impact within the water industry.

This year our annual event took a fresh approach to address not just what's NOW, but especially what's NEXT, and saw attendance from utilities, researchers, health regulators, government, non-government organisations and consultants. The event also incorporated WaterRA's 10 year Anniversary Dinner, celebrating our journey from the CRC for Water Quality and Treatment to Water Quality Research Australia and then to Water Research Australia.

We would also like to thank our presenters for sharing their experience and expertise, and our sponsors for their much valued support.

Over 60 nationally and internationally renowned speakers and panellists shared their views on the biggest trends and challenges facing the water industry, particularly in the areas of:

- Climate Change;
- Water and Wastewater Treatment;
- Resource Recovery;
- One Health;
- Water Security;
- Data Science; and,
- Alternative Water Sources.

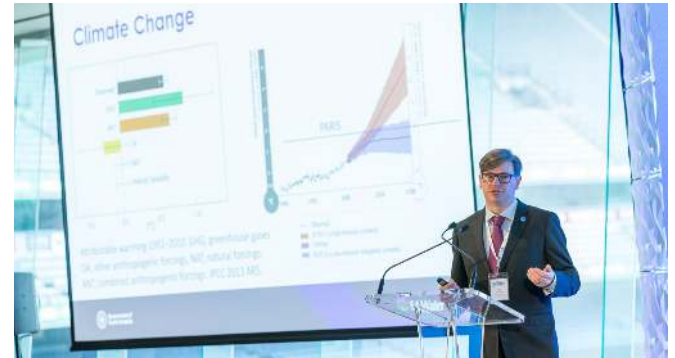
We hope you enjoyed Next Water and look forward to welcoming you at a future event.



Karen Rouse
CEO
Water Research Australia



Australia's leading research for industry event



Key speakers at Next Water



Prof Joan Rose
International Water Quality Expert
Michigan State University



Prof Zhiguo Yuan
Director
Advanced Water Management Centre



Dr Martha Sinclair
Senior Research Fellow,
Clinical Epidemiology
Monash University



Emeritus Prof Felicity Roddick
School of Engineering
RMIT University



Prof Stuart Khan
School of Civil & Environmental
Engineering
University of New South Wales



Dr Stephanie Rinck-Pfeiffer
Managing Director
Global Water Research Coalition



Adjunct Prof Ian Law
Director
IBL Solutions



Dr Rachel Millar
Manager, Water Quality
Water Corporation



Prof Fred Leusch
Chair
*Water Quality Advisory
Committee (NHMRC)*



James Westcott
Water Portfolio Manager
South East Water



Prof Peter Scales
Director of Engagement,
School of Engineering
University of Melbourne



Dr Greg Jackson
Director, Water Unit
Queensland Health

Key takeaways from Next Water

1 The water industry has understood the impacts of climate change on water security for many years now, but there are wider implications that will impact future decisions. Industry has prepared a range of techniques that will help consider different options under deep uncertainty.

2 As demand for water increases, industry must consider all viable options to meet supply demand. Western Australia has already had to do this as its surface water supply diminished due to climate change. Considerations include the cost of different options, how they compare and how they can be determined. Industry acknowledged the need for further advocacy so that all supply options can be considered in the future.

3 Next Water addressed the important role that safe water has to a person's health. 'One Health' reflected the broad elements of antibiotic resistance and the possible implications for the water industry, wastewater as a source of health information, emerging contaminants and treatment of PFAS and illicit drugs in WWTPs.



4 Resource recovery is the future but to get there we need 'Future Thinking'. Research holds the key to technological and process advancements. Research also unlocks these resources by managing the emerging contaminants and energy requirements that can block reuse and recovery.

5 Research and innovation in water and wastewater treatment supports new improvements in biological treatment, nanofiltration, floc control, particle interactions and granular sludge. Technology and processes, along with worker competency, were discussed as critical components to managing risk.

6 There are new opportunities to gain more from our data using insights and experience from other industries, and using open source software to share code.

2019 Attendee Breakdown

202

ATTENDEES

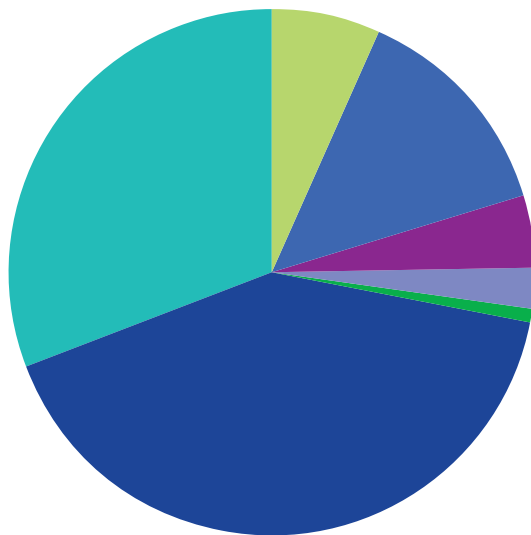
80

COMPANIES

66

SPEAKERS

79%
member
organisations



Attendee type:

- Association (7%)
- Consultant/Advisor (13%)
- Environmental & Health Regulator (5%)
- Government (2%)
- NGO (1%)
- Research/Scientific/Technical Provider (41%)
- Utility (31%)



Companies that attended Next Water

Advanced Water Management Centre	Dept of Health, Victoria	Ken Murphy Consulting	UniSA
ALS Water	EPA Victoria	Lower Murray Water	University of Adelaide
ARUP	Flinders University	Melbourne Water	University of Melbourne
Atom Consulting	GHD	Michigan State University	University of Newcastle
Australian Research Council	Global Water Research Coalition	Monash University	University of Sunshine Coast
Australian Rivers Institute	Griffith University	National Measurement Institute	University of Western Australia
Barwon Water	National Health and Medical Research Council	Natural Logic	University of New South Wales
Cairns Regional Council	GV Water	Power & Water Corporation	University of Technology, Sydney
Central Highlands Water	GWM Water	Queensland Health	Victoria University
Charles Darwin University	Hydrology and Risk Consulting: HARC	Queensland Urban Utilities	Viridis Consultants Pty Ltd
ChemCentre	Hobsons Bay City Council	Risk Edge	Wannon Water
City West Water	Hunter Water	RMIT	Water Aid Australia
Coliban Water	Hunterh2O	SA Water	Water Corporation
Concordia University	Hydro-dis	Seqwater	Water Futures
CRC Water Sensitive Cities	Hydronumerics	South East Water	Water Services Association
Curtin University	IBL Solutions	South Gippsland Water	WaterNSW
D-CAT	Icon Water	Swinburne University of Technology	Western Sydney University
Deakin University	Institute for Sustainable Futures	Sydney Water	World Bank Group
Department of Environment, Land, Water and Planning	Intelligent Water Networks	TasWater	Yarra Valley Water
Dept of Health, NSW	Isle Utilities	Thiess	
		Trility	

Networking at Next Water

Next Water provided a unique opportunity for delegates to network with research, industry and regulatory leaders in the local and global water sector. The event featured continuous discussion on industry best practice and how it could be applied to water businesses.

5+ hours of networking



24.6k
social media interactions



10th Anniversary Dinner

Next Water also incorporated WaterRA's 10 Year Anniversary Dinner, where over 160 people came together to celebrate our journey from the CRC for Water Quality and Treatment to Water Quality research Australia, and then Water Research Australia.

Past and present staff and industry stakeholders, including Prof Don Bursill AM, Dennis Steffensen, Jodieann Dawe, David Halliwell and Paul Pretto, were present to share their highlights from WaterRA's journey and to present the annual awards.

Don Bursill presented Sarah Aucote with the 2019 Nancy Millis Memorial PhD Award and Jodieann Dawe presented Dean Mensinga with the 2019 Michael R Moore Memorial Honours Award.



WaterRA's past and present CEOs from L-R: Prof Don Bursill AM (inaugural CEO), Dennis Steffensen, Jodieann Dawe, David Halliwell, Paul Pretto, Will Buchanan and Karen Rouse (present CEO).



L-R: WaterRA CEO Karen Rouse, WaterRA Chair Shaun Cox, 2019 Michael R Moore Memorial Honours Award Winner Dean Mensinga, 2019 Nancy Millis Memorial PhD Award Winner Sarah Aucote, WaterRA Education Program Manager Carolyn Bellamy.



With special thanks to our 2019 event sponsors

