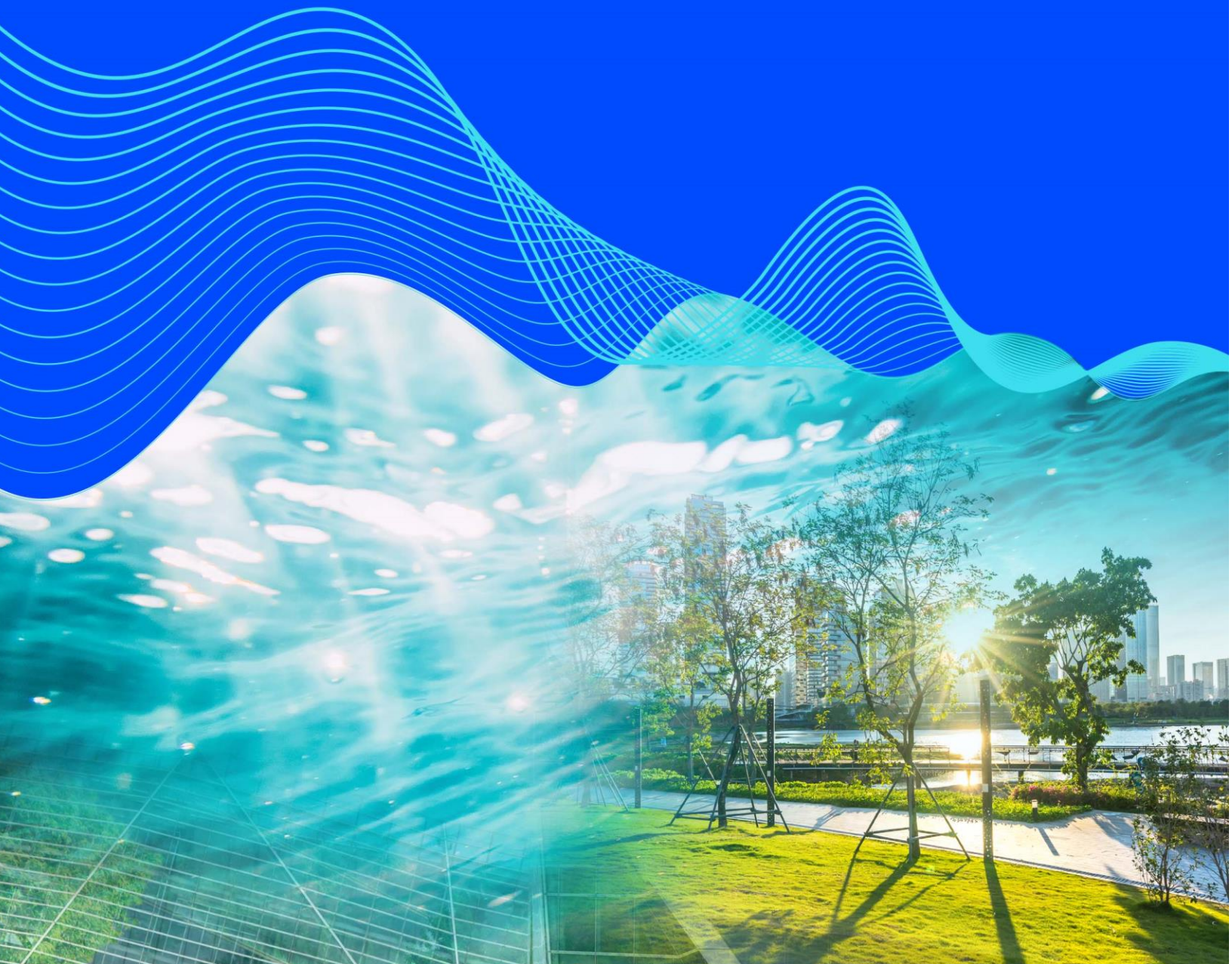




franc.sydney

17 & 18 April 2024
CommBank Stadium,
Parramatta NSW

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PRE-CONFERENCE PROGRAM

Tuesday, 16 April, 2024

Full Day Pre-Conference Workshop:

NSW Guidelines for the Maintenance of Stormwater Treatment Measures

Date: Tuesday, 16 April, 2024

Time: 9:00 am– 5:00 pm

Location: Canada Bay Club, Five Dock

Presenter: Murray Powell, Vice President, Stormwater NSW and General Manager, Optimal Stormwater

Cost: Stormwater NSW and Partner Member - \$595, Non Member - \$795

Inclusions: The cost of the full day workshop includes morning tea and lunch. A copy of the Guidelines will be provided electronically for all attendees

Overview: This full day workshop covers all aspects of Operations and Maintenance for all types of stormwater treatment measures. These Guidelines, produced by Stormwater NSW, have become the industry standard and reference document for the maintenance of stormwater assets across the country. The Workshop is aimed at Maintenance Managers and Cleaning Contractors, as well as Council staff involved in the sizing, siting and approval of stormwater treatment measures.

CONFERENCE PROGRAM

Wednesday, 17 April, 2024

8.15 am	Conference Registration, Trade Show and Tea and Coffee on Arrival	
9.00 am	Acknowledgement of Country and Welcome to franc.sydney 2024 Dr Andrew Thomas , President, Stormwater NSW Nerida Taylor , Conference Convenor, franc.sydney 2024	North Function Room
9.10 am	Platinum Sponsor Address David Nixon , Managing Director, Stormwater Sydney	North Function Room
9.15 am	2024 Conference White Paper Panel: Policy and Planning Facilitator: Professor Martina Doblin , Director and Chief Executive Officer, Sydney Institute of Marine Science Panellists: Associate Professor Peter Davies , Course Director - Master of Sustainable Development, Macquarie University Esther Kay , Director, Environment and Land Management Victoria Professor Pascal Perez , CEO, Australian Urban Research Infrastructure Network Mike Horne , Director, Turf Design Studio	North Function Room
10.10 am	Diamond Sponsor Address Paul Higham , Head of Western Sydney Development, Sydney Water	North Function Room
10.15 am	Keynote Presentation - Six More Summers: Building Australia's Resilience to Extreme Weather by 2030 Alix Pearce , Senior Manager, Climate and Social Policy, Insurance Council of Australia	North Function Room
10.55 am	Morning Tea and Trade Show	Cumberland Lounge
11.20 am	Move to Breakout Rooms	

Theme	Future Focused	Future Focused – Policy and Planning	Innovation – Optimising Performance
Room	North Function Room	South East Function Room	South West Function Room
Session Chair	Erin Sellers	Andre Magar	Dr Andrew Thomas
11.25 am	The Smart Stormwater Revolution is Coming Peter Gillam, Aurecon	<u>Development of a WSUD Masterplan for Liverpool City Centre</u> Guy Amos, Optimal Stormwater	<u>Western Sydney Bioretention Validation and Optimisation Project</u> Mark Liebman, Sustainability Workshop
11.40 am	What Condition Are We In? Analysing WSUD Data in Logan in a Different Way Dr Kylie Drapala, Logan City Council	Predictive Ecological Response Model - Predicting Areas of Waterway Contamination Through the Use of eDNA and Machine Learning Algorithms. Dr Andrew McLeish, Macquarie University	<u>What impacts waterway health and how can we improve it over time?</u> Emma James, Recycled Water - Segment Lead, Sydney Water
11.55 am	<u>Exceedance Expectations - Digital Tools for Urban Flood Intelligence</u> Warwick Bishop, Water Technology	Too Many Aspirations, Too Many Choices - How to Decide? Dr Dale Browne, E2Designlab	<u>Water Quality Design with Modern Parameters - Framework of Modelling Operation and Maintenance in WSUD</u> Phil Li, WSP Australia
12.10 pm	Q&A Panel (30mins) Peter Gillam, Aurecon Dr Kylie Drapala, Logan City Council Warwick Bishop, Water Technology	Q&A Panel (30mins) Guy Amos, Optimal Stormwater Dr Andrew McLeish, Macquarie University Dr Dale Browne, E2Designlab	Q&A Panel (30mins) Mark Liebman, Blacktown City Council Emma James, Recycled Water - Segment Lead, Sydney Water Phil Li, WSP Australia
12.40 pm	Lunch and Trade Show		Cumberland Lounge
1.30 pm	Move to Breakout Rooms		

Theme	Future Focused	Future Focused – Policy and Planning	Innovation – Resilience of Urban Landscapes
Room	North Function Room	South East Function Room	South West Function Room
Session Chair	Nerida Taylor	Craig Bush	Craig Naughton
1.35 pm	<p>Making the Parramatta River Swimmable Again: Ten Years of the Our Living River Mission Nadia Young, Parramatta River Catchment Group</p>	<p><u>Stormwater Targets for Western Sydney - Workshop</u> Shaun Leinster, Designflow</p>	<p><u>Water permeability for urban micro-climates: Permeable paving surfaces reduce the summer heat and can improve property values</u> Wiebke Benze, HydroCon Australia</p>
1.50 pm	<p><u>Transforming the Cooks River – what will it really take?</u> Leanne Niblock, Sydney Water and Jason L’Ecuyer, Cooks River Alliance</p>		<p>Kerb-Space Infiltration Systems: Future-Proofing Urban Landscapes Dr Harsha Sapdhare, Space Down Under</p>
2.05 pm	<p><u>In Search of Sustainable Stormwater Management Funding</u> Alexa McAuley, Civile and Craig Bush, Sydney Water</p>		<p>Smart Stormwater Surcharging for Passive Irrigation and Biodiversity Boosting: A Low-cost, Low-carbon Alternative to Conventional Daylighting Methods Dr Michael Di Matteo, KBR</p>
2.20 pm	<p>Q&A Panel (30mins) Nadia Young, Parramatta River Catchment Group Leanne Niblock, Sydney Water Jason L’Ecuyer, Cooks River Alliance Alexa McAuley, Civile Craig Bush, Sydney Water</p>		<p>Q&A Panel (30mins) Wiebke Benze, HydroCon Australia Dr Harsha Sapdhare, Space Down Under Dr Michael Di Matteo, KBR</p>
2.50 pm	Afternoon Tea and Trade Show		Cumberland Lounge
3.25 pm	Move to Plenary		

<p>3.30 pm</p>	<p>Climate Change Panel Facilitator: Dr Stephanie Kermode, System Resilience Strategy Manager, Water NSW Panellists: Tom Rivard, Principal, REALMstudios Hudson Worsley, Founder and Director, Presync Professor Katherine Daniell, School of Cybernetics & Institute for Water Futures, ANU</p>	<p>North Function Room</p>
<p>4.45 pm – 4.50 pm</p>	<p>Wrap up Day One Nerida Taylor, Conference Convenor, franc.sydney 2024</p>	<p>North Function Room</p>
<p>4.50 pm</p>	<p>Conclusion of Day 1</p>	
<p>5.30 pm – 9.30 pm</p>	<p>franc.fest – an unforgettable evening under the stars! Join us at franc.fest, where the magic of cinema meets the thrill of networking, right inside the iconic CommBank Stadium. We invite you to unwind and connect with fellow delegates at our outdoor cinema experience. Relax in the stadium's seating, indulge in delicious snacks, and immerse yourself in the latest blockbuster hit movie. <i>Please note this is a ticketed event.</i></p>	

CONFERENCE PROGRAM

Thursday, 18 April, 2024

8.30 am	Conference Registration, Trade Show and Tea and Coffee on Arrival	
9.00 am	<p>Welcome to Day 2 and Housekeeping</p> <p>Dr Andrew Thomas, President, Stormwater NSW</p> <p>Nerida Taylor, Conference Convenor, franc.sydney 2024</p>	North Function Room
9.10 am	<p>Gold Sponsor Address</p> <p>Michael Wicks, Director, Ocean Protect</p>	North Function Room
9.15 am	<p>Keynote Presentation – Stormwater Management: All Care But Diffuse Responsibility</p> <p>Associate Professor Peter Davies, Course Director - Master of Sustainable Development, Macquarie University</p> <p>Join us for this insightful session on what the sector has and has not learned, what have been the breakthroughs, and where barriers still exist. This will draw from Peter’s experiences working in local and state government when stormwater quality and reuse emerged as a concern and opportunity beyond its former and narrow remit of flooding, pits and pipes. Peter will also share the value proposition of research in this field, including where he believe the research focus remains captured by constrained single disciplinary approaches, that are not too dissimilar to the institutional silos inherent in state and local government that impede cooperation.</p>	North Function Room
9.55 am	<p>Gold Sponsor Address</p> <p>Ryan Donnelly, Urban Asset Solutions</p>	North Function Room
10.00 am	<p>Fireside Chat</p> <p>Facilitator: Veronica Murphy, First Nations Inclusion Officer, Sydney Water</p> <p>Gregory Andrews, Lyrebird Dreaming</p>	North Function Room
11.00 am	Morning Tea and Trade Show	Cumberland Lounge
11.25 am	Move to Breakout Rooms	

Theme	Future Focused – Blue-green Urban Environments	Innovation – Monitoring Pollutants	Innovation – Stormwater Treatment Technology
Room	North Function Room	South East Function Room	South West Function Room
Session Chair	Phi Bang Do	Lachlan Shackcloth-Bertinetti	Andre Magar
11.30 am	<p>Water Stories of Green Square Assoc Prof Alexandra Crosby, UTS and Assoc Prof Ilaria Vanni, UTS</p>	<p>Platypus Amidst the Urban Tide - The Hawkesbury-Nepean Platypus Project Dr Michelle Ryan, Western Sydney University</p>	<p>Recent Advances of Stormwater Treatment Systems in Heavy Metal and Organic Chemical Removal Dr Zhaozhi Zheng, University of NSW</p>
11.45 am	<p>Make Wagawn Great Again! Can We Apply Integrated Greenfield Thinking to Brownfield Sites? Dr Kylie Drapala, Logan City Council</p>	<p>Keeping Sydney Harbour Clean Through Smart Technology – Artificial Intelligence Helps Quantify Floating Litter in our Waterways Dr Britta Denise Hardesty, CSIRO</p>	<p>PFAS Removal by an Engineered Treatment Train Michael Wicks, Ocean Protect</p>
12.00 pm	<p>Creek Naturalisation – How Far Back Can We Realistically Go? Oliver Light, Alluvium Consulting and Katherin Angelin, Alluvium Consulting</p>	<p>A Collaborative Investigation into Rubber Crumb and Synthetic Grass Loss from Charles Bean Sportsfield, NSW: Implications for Best Practice Mitigation Scott Wilson, AUSMAP Russel Cadman, Ku-ring-gai Council</p>	<p>Dewatering GPTs - Between a Rock and a Hard Place Dan Rhodes, Optimal Stormwater</p>
12.15 pm	<p>Q&A Panel (30mins) Assoc Prof Alexandra Crosby, UTS Assoc Prof Ilaria Vanni, UTS Dr Kylie Drapala, Logan City Council Oliver Light, Alluvium Consulting Katherin Angelin, Alluvium Consulting</p>	<p>Q&A Panel (30mins) Dr Michelle Ryan, Western Sydney University Dr Britta Denise Hardesty, CSIRO Scott Wilson, The Litter Lab Russel Cadman, Ku-ring-gai Council</p>	<p>Q&A Panel (30mins) Dr Zhaozhi Zheng, University of NSW Michael Wicks, Ocean Protect Dan Rhodes, Optimal Stormwater</p>
12.45 pm	Lunch and Trade Show		Cumberland Lounge
1.40 pm	Move to Breakout Rooms		

Theme	Future Focused – New Approaches	Future Focused – Operation and Maintenance	Case Studies
Room	North Function Room	South East Function Room	South West Function Room
Session Chair	Murray Powell	Dr Andrew Thomas	Jacqueline Woodlock
1.45 pm	<p>A Comprehensive Insight into the Singapore’s WSUD Programme: Contrasts and Comparisons with Australian Practices Phi Bang Do, McGregor Coxall</p>	<p>Solving WSUD Maintenance Compliance Daniel Rider, Ocean Protect</p>	<p>Could Roof Irrigation Systems Be Applied as a Means of Achieving Stormwater Flow Targets in the Wianamatta-South Creek Catchment? Tim Michel, AT&L</p>
2.00 pm	<p>Review of Stormwater Quality to Support the Development of Evidence-based Stormwater Recycling Guidelines Dr Kefeng Zhang, University of NSW</p>	<p>A “FRANC” discussion on WSUD Maintenance James Duval, MidCoast Council</p>	<p>Civic Park and Pendle Creek Wetland Improvement Project Hugh Williamson, Optimal Stormwater</p>
2.15 pm	<p>Making decisions on retrofitting green infrastructure in established urban catchments Erin Sellers, Sydney Coastal Councils Group</p>	<p>Q&A Panel – Operation and Maintenance of Stormwater Assets (45mins) Facilitator: Dr Andrew Thomas, Stormwater NSW Panelists: Andre Magar, Stormwater NSW</p>	<p>How to Build an Accessible and Maintainable Stormwater Infiltration System with a 100 Year design Life Mark Liebman, The Sustainability Workshop</p>
2.30 pm	<p>Q&A Panel (30mins) Phi Bang Do, McGregor Coxall Dr Kefeng Zhang, University of NSW Erin Sellers, Sydney Coastal Councils Group</p>	<p>Michael Smit, Kingspan Craig Bush, Sydney Water Lachlan Shackcloth-Bertinetti, Ocean Protect</p>	<p>Q&A Panel (30mins) Tim Michel, AT&L Hugh Williamson, Optimal Stormwater Mark Liebman, The Sustainability Workshop</p>
3.00 pm	Afternoon Tea		Cumberland Lounge
3.30 pm	Move to Plenary		

3.35 pm	Keynote Presentation: The Bonds that Tie Stephanie Bown , Author, Trainer, Coach, Facilitator Together is better than apart, but only if you fully turn up. The bonds that tie are the threads that hold teams together to be better together and achieve team synergy– where the whole is greater than the sum of its parts.	North Function Room
4.25 pm	Conference Wrap Up Dr Andrew Thomas , President, Stormwater NSW Nerida Taylor , Conference Convenor, franc.sydney 2024	North Function Room
5.00 pm	Conference Close	

POST-CONFERENCE PROGRAM

Friday, 19 April, 2024

Site Tour - FULL DAY

Showcase of Excellence Site Tour

Date: Friday, 19 April, 2024

Time: 8:30am – 5:15pm

Location: Bus pick up from Erskineville Oval

Cost: Stormwater NSW and Partner Member - \$195, Non Member - \$295

Inclusions: The cost of the full day site tour includes bus transfer, morning tea, lunch, and afternoon tea.

Overview: Join Stormwater NSW on a tour of prestigious projects that have been recognised for excellence in relation to stormwater design, asset management and landscape architecture. The projects will vary in scale and complexity, and we guarantee everyone will learn something that will benefit them and their organisation. The 'Showcase of Excellence' site tour will feature 4 parks within City of Sydney. Each of the parks have received an award by Stormwater NSW or Landscape architects over the last 7 years. The parks and their awards include:

- 1) **Drying Green, Australian Institute of Landscape Architects NSW**
 - Award for Excellence - Parks and Open Space – 2023
- 2) **Johnston Creek naturalisation**
 - Award for Excellence - Asset Management – 2021
- 3) **Victoria Park**
 - Award for Excellence - Integrated stormwater design – 2019
- 4) **Sydney Park**
 - Award for Excellence - Integrated stormwater design – 2016