

## PRE-CONFERENCE PROGRAM – TUESDAY, 14 OCTOBER 2025

8.30 am	Pre-Conference Workshop Registration –	
	Pre-Conference Workshop 1	Pre-Conference Workshop 2
Room	Semillon 1	Semillon 3
9.00 am	<p><b>Guidelines for the Maintenance of Stormwater Treatment Measures</b></p> <p>Presenter: <b>Murray Powell</b>, Optimal Stormwater</p> <p>This full-day workshop covers all aspects of Operations and Maintenance for all types of stormwater treatment measures. These Guidelines, adopted by Stormwater NSW, have become the Australian 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.</p>	<p><b>Navigating the WSUD Maintenance Compliance Framework: Step-by-Step Guidance for Councils</b></p> <p>Presenters: <b>Daniel Rider</b>, Ocean Protect <b>Dr Andrew Thomas</b>, Cooks River Alliance</p> <p>This highly practical and interactive workshop is designed to demystify the WSUD Maintenance Compliance Framework and equip councils with the tools to enhance stormwater infrastructure resilience and environmental outcomes.</p> <p>This hands-on session will guide participants through a structured, step-by-step approach to implementing the Framework within existing council operations. Through real-world case studies and expert facilitation, attendees will gain:</p> <ul style="list-style-type: none"> <li>• A clear understanding of the key components of the WSUD Maintenance Compliance Framework</li> <li>• Practical strategies to overcome common implementation challenges</li> <li>• The ability to design and apply a compliance program tailored to their local context</li> </ul> <p>Whether you're just starting your WSUD journey or looking to strengthen existing programs, this workshop will provide you with actionable insights, peer collaboration opportunities, and access to technical experts.</p>
10.30 am	Morning Tea	

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15 – 16 October 2025  
Mercure Hunter Valley Gardens Resort,  
Pokolbin NSW

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11.00 am	Workshops Continue
12.30 pm	Lunch
1.00 pm	Workshops Continue
3.00 pm	Afternoon Tea
3.30 pm	Workshops Continue
5.00 pm	Workshops Conclude
5.30 pm	Conference Registration and Welcome Reception
7.30 pm	Welcome Reception concludes

## CONFERENCE PROGRAM – WEDNESDAY, 15 OCTOBER 2025

8.15 am	Conference Registration and Exhibition Visits – Tea and Coffee on Arrival		
9.00 am	Welcome to Country		
9.05 am	<b>Welcome to franc.2025</b> Nerida Taylor, Conference Chair, Vice President, Stormwater NSW		
9.20 am	<b>Keynote Presentation: Australian Rainfall and Runoff and Climate Change</b> <b>Dr Tomas Remenyi</b> Head of R&D Partnerships – Climate Scientist in Residence, Eratos		
9.50 am	<b>Panel Session: What does AR&amp;R Mean for Managing Stormwater</b> <b>Facilitator:</b> Dr Tomas Remenyi		
10.50 am	Gold Sponsor Welcome		
11.00 am	Morning Tea		
11.25 am	Move to Breakout Rooms		
Theme	Flooding and Climate Change	Litter in Stormwater	Waterway Restoration
11.30 am	<b>Climate Change Impacts on Flooding: Implications of the 2024 Update to Australian Rainfall and Runoff</b>  <b>Angela Maharaj</b> Australian Department of Climate Change, Energy, The Environment and Water	<b>Zero Litter to the Bay</b>  <b>Brad Dalrymple</b> Ocean Protect	<b>From Low-Hanging Fruit to the Pick of the Bunch: Prioritising Urban Waterway Improvement Opportunities Across the Parramatta River Catchment</b>  <b>Alexi Gilchrist</b> Parramatta River Catchment Group
11.45 am	<b>Framework for Planning Nature-Based Solutions to Meet Long-Term Catchment Scale Pluvial Flood Mitigation Targets</b>  <b>Wenhui Wu</b> UNSW	<b>Thirty-Two Percent – That is the Average Functionality of GPTs in Australia. How Can We Do Better?</b>  <b>Justine Barrett</b> CSIRO	<b>Framework for Waterway Restoration and Revitalisation Through Physical Form Typologies</b>  <b>Frankie Coen</b> Arup

12.00 pm	<b>Rethinking How We Manage Urban Flood Through a Resilience-Based Approach</b>  <b>Dr Suresh Hettiarachchi</b> Alluvium	<b>From Factories to Front Yards: Investigating Microplastics in Urban Stormwater</b>  <b>Dr Zain Ul Abideen</b> UNSW  <b>Daniel Rider</b> Ocean Protect	<b>Addressing Challenges of Design and Construction of Creek Rehabilitation Schemes in Sydney Metropolitan Area</b>  <b>Phil Li</b> WSP Australia
12.15 pm	<b>A Future-Proof Drainage Upgrade to Alleviate Flooding at Ree Place, Bidwill</b>  <b>Thanh Nguyen</b> Blacktown City Council	<b>Real-time Maintenance Monitoring for Proprietary Stormwater Treatment Devices</b>  <b>Dr Charles Kelly</b> Humes	<b>Nepean River Restoration</b>  <b>Aditi Verma</b> Camden Council
12.30 pm	<b>Q&amp;A Panel</b>	<b>Q&amp;A Panel</b>	<b>Q&amp;A Panel</b>
1.00 pm	<b>Lunch</b>		
1.50 pm	<b>Move to Breakout Rooms</b>		
<b>Theme</b>	<b>Strategic Planning</b>	<b>Invisible Pollutants</b>	<b>Passive Irrigation</b>
1.55 pm	<b>The Evolution of Stormwater Servicing Plans: Incorporating Bio-sensitive Urban Design to Future Proof Assets</b>  <b>Katherin Angelin</b> Alluvium Consulting	<b>Contamination and Biofilters</b>  <b>Craig Naughton</b> Hornsby Shire Council	<b>In Praise of Leaks: Embracing Imperfection in Urban Stormwater Systems</b>  <b>Tom Rivard</b> Realmstudios
2.10 pm	<b>Holistic Catchment Management: Combining Real-World and Modelled Flood and Water Quality Analysis for Prospect Creek</b>  <b>Sumari Veal</b> Stantec	<b>Smarter Systems, Cleaner Water: Improving Biofilter Performance with Real-Time Control</b>  <b>Jiadong Zhang</b> UNSW	<b>Turning Runoff into Resilience: Integrating Passively Irrigated Street Trees in Urban Planning</b>  <b>Shreyaa Sundararaghava</b> Sydney Water  <b>Erin Saunders</b> Sydney Water



2.25 pm	<b>WSUD Implementation on Linear Transport Infrastructure: How Are We Doing?</b>  Yuna Chen Aurecon	<b>Passive Treatment of PFAS-Contaminated Runoff</b>  Dr Charles Kelly Humes	<b>Smart Partnerships, Smarter Assets: Passive Irrigation and Digital Innovation for Long-Term Urban Resilience</b>  Dr Harsha Sapdhare Space Down Under
2.40 pm	<b>Q&amp;A Panel</b>	<b>Q&amp;A Panel</b>	<b>Q&amp;A Panel</b>
3.10 pm	<b>Afternoon Tea</b>		
3.25 pm	<b>Move to Plenary</b>		
3.30 pm	<b>Keynote Presentation:</b> Dr Louise McKenzie, NSW Department of Climate Change, Energy, the Environment and Water		
4.00 pm	<b>Stormwater 2030</b>		
5.00 pm	<b>Conference Day One Concludes</b>		
6.30 pm	<b>2025 Stormwater NSW Awards for Excellence Presentation</b>		
7.00 pm	<b>Franc.fest</b>		
10.30 pm	<b>End of Day 1</b>		

## CONFERENCE PROGRAM – THURSDAY, 16 OCTOBER 2025

8.00 am	Conference Registration and Exhibition Visits – Tea and Coffee on Arrival		
9.00 am	<b>Welcome to Day 2 and Housekeeping</b> Justine Barrett, CSIRO and Executive Committee, Stormwater NSW		
9.05 am	Recap of Day 1		
9.05 am	<b>Keynote Presentation:</b> <b>A Plan to Manage Blue-green Algal Blooms in Lake Tuggeranong, Canberra</b> Dr Ralph Ogden, ACT Healthy Waterways Program Manager, ACT Government		
9.35 am	<b>Panel Session: Urban Recreational Water Quality - Is Swimming a Real Driver to Waterway Health?</b> <b>Facilitator:</b> Alexa McAuley, Civile		
10.25 am	Sponsor Presentation		
10:30 am	Morning Tea		
11.00 am	Move to Breakout rooms		
Theme	Moving Ahead With IWCM	Enforcing Good Practices	Whole of LGA Mapping and Planning
11.05 am	<b>NSW Integrated Water Cycle Management Framework: Focus on Stormwater Integration</b>  <b>Dr Beata Sochacka</b> Department of Climate Change, Energy, The Environment and Water	<b>Is Your Tender Specification 'Specific, Certain and Enforceable'?</b>  <b>John Weaver</b> Interflow	<b>Catchment GIS for Dummies (Like Me)</b>  <b>Craig Naughton</b> Hornsby Shire Council
11.20 am	<b>Bathurst – The Largest Stormwater Harvesting Scheme in the Southern Hemisphere</b>  <b>Murray Powell</b> Optimal Stormwater	<b>Water Sensitive Urban Design – Monitoring and Managing Privately Owned Systems</b>  <b>Kate Murphy</b> Blacktown City Council	<b>Using LGA-Wide MUSIC Models to Plan, Justify, Predict and Track WSUD Projects on a City-Wide Drainage Network</b>  <b>Adrian Smit</b> City of Sydney
11.50 am	Q&A Panel	Q&A Panel	Q&A Panel
12.20pm	Lunch (50 mins)		
1.15 pm	Move to Breakout Rooms		

Theme	Asset Management	Blue-Green Lens	Managing Future Water Quality and Flow
1.20 pm	<b>Square 1 Asset Management - The Challenges and Lessons of Doing Asset Management at 3 Separate Councils.</b>  <b>Craig Naughton</b> Hornsby Shire Council	<b>Transition Pathways Towards Blue-Green Infrastructure: Adopting a System's Approach</b>  <b>Somayeh Sadegh Koohestani</b> University Of Technology Sydney	<b>Climate-Resilient Stormwater Management in Urban Areas</b>  <b>Dr Hamed Esfahani</b> Stantec
1.35 pm	<b>Beyond the Planting: Keeping WSUD Systems Functional Over Time</b>  <b>Eric Lin</b> Stantec	<b>An Assessment of Incorporating Trees into Bio-retention Basins</b>  <b>Nigel Bosworth</b> SLR Consulting	<b>Climate Change Rainfall Data Algorithm for Continuous Modelling of Stormwater</b>  <b>Mircea Stancu</b> Cleanstormwater
1.50 pm	<b>Love the SQID You're With</b>  <b>Dan Rhodes</b> Optimal Stormwater	<b>Are Stormwater Wetlands 'Ecological Traps'?</b>  <b>Brad Dalrymple</b> Ocean Protect	<b>Estimating "Reasonably Practicable" Contributions to Stormwater Flow Targets Across Development Types and Scale (Melbourne Water)</b>  <b>Shaw Abrey</b> Alluvium
2.05 pm	Q&A Panel	Q&A Panel	Q&A Panel
2.35 pm	<b>Afternoon Tea</b>		
2.55 pm	<b>Move to Plenary</b>		
3.00 pm	<b>Plenary Address: Stormwater 2030 and SQID Taskforce</b> Dr Andrew Thomas, President, Stormwater NSW		
3.30 pm	<b>Panel: SQID Taskforce SME Updates</b> <b>Facilitator:</b> Brad Dalrymple, Ocean Protect <b>Panelists:</b> Kefeng Zhang, UNSW; Kristy Good, Blacktown City Council		
4.15 pm	<b>Stormwater NSW Forum – Next Steps</b>		
4.45 pm	Conference Wrap Up and Close		
4.55 pm	<b>Conference Close</b>		



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## TECHNICAL TOUR PROGRAM – FRIDAY, 17 OCTOBER 2025

### Showcase of Excellence Site Tour

Join Stormwater NSW for the *Showcase of Excellence* site tour—an exclusive opportunity to visit and learn from leading projects recognised for innovation in stormwater design, asset management, and landscape architecture.

This curated tour will take place across the Hunter Valley and Newcastle regions, featuring projects of varying scales and complexity. Each site will be hosted by industry experts who will provide insights into the design strategies, operational success, and best practice principles that set these projects apart.

Whether you're a seasoned professional or new to the field, you're guaranteed to gain valuable knowledge and inspiration to benefit both your work and your organisation.