

# 2025 Stormwater Victoria Conference

2-5 JUNE 2025

WANGARATTA, VICTORIA



## Conference Program

More than the sum of our parts:  
the value of collective action

# PRE-CONFERENCE PROGRAM – MONDAY, 2 JUNE 2025

8.00am	Pre-Conference Workshop Registration				
	Navigating Climate Change: Capacity Building Workshop for a Resilient Future <i>Jessica Ward and Jamie Carroll, Spiire</i>		Bioretention 101 <i>Clearwater Jamie Comley, J Comley Consulting and Lucie Bright, Alluvium</i>		Aquatic Plants for Constructed Wetlands <i>David Carew, Carew Environmental</i>
Room	Memorial Hall B		Memorial Hall A		Conference Room
8.30am	Welcome, objectives and Introductions  Introduction to Climate Change  Climate Change Impacts on Stormwater Systems and Flood Risk	9.00am	Session 1 - Introducing Bioretention	9.00am	Session 1 - Aquatic plants and wetland performance
10.30am	Morning Tea, Foyer	10.30am	Morning Tea, Foyer	10.30am	Morning Tea, Foyer
11.00am	Current Climate Change Guidance and Regulatory Context in Victoria and Australia	11.00am	Session 2 - Design	11.00am	Session 2 - Features of key aquatic plant species for constructed wetlands
12.30	Lunch, Foyer	12.30	Lunch, Foyer	12.30	Lunch, Foyer
1.30pm	Climate Change Adaptation and Resilience Building	1.30pm	Session 3 - Construction	1.30pm 1.45pm	Travel to Field Site Session 3 - Plant identification
3.00pm	Afternoon Tea, Foyer	3.00pm	Afternoon Tea, Foyer	3.00pm	Afternoon Tea, field site
3.30pm	Implementing Climate-Smart Strategies and Final Breakout Group Activity	3.30pm	Session 4 - Maintenance	3.30pm	Session 4 - Wetland inspection with discussion on aquatic plant health/performance
4.30pm	Workshop concludes	5.00pm	Workshop concludes	5.00pm	Workshop concludes, return to Conference venue
5.00 pm	Conference Registration and Welcome Reception , Foyer Exhibition Open				
7.00 pm	Welcome Reception concludes				

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# CONFERENCE PROGRAM – TUESDAY, 3 JUNE 2025

Room	Quality Hotel Gateway, Stirling Executive Room, Ground Floor			
6.30 – 7.30am	Morning Yoga Session			
8.00am	Conference Registration, Tea and Coffee on Arrival			
Room	Alpine Theatre			
8.55am	<b>Welcome to Country</b> <i>Bangerang Elder Uncle Dozer Atkinson</i>			
9.05am	<b>Welcome to the 2025 Stormwater Victoria Conference</b> <i>Emily Plymin, Conference Chair</i>			
9.15am	<b>President's Welcome</b> <i>Alice Lisitsa, President, Stormwater Victoria</i>			
9.20am	<b>Opening Address</b> <i>Cr Irene Grant, Mayor, Rural City of Wangaratta</i>			
9.30am	<b>Stormwater Victoria Update</b> <i>Alice Lisitsa, President, Stormwater Victoria</i>			
10.00am	Morning Tea			
10.25am	Move to Breakout Rooms			
Stream	Innovation and crossing boundaries  Chair: <i>Sarah Law</i>	Inspiring a Shared Vision (Strategy, policy & education)  Chair: <i>Peter Woodman</i>	Full Circle - Design to Operation and back again  Chair: <i>Alison Rickard</i>	Fostering Collaboration and Building Trust  Chair: <i>Emily Plymin</i>
Room	Memorial Hall B	Alpine Theatre	Memorial Hall A	Conference Room
10.30am	<b>1.1 Provisional Patent for Stormwater Harvesting and Healthy Waterbody Habitats Using Water Clarifiers</b>  <i>Dr. Edmond Lascaris, City Of Whittlesea</i>	<b>1.2 Impact of Climate Change: A Scientific Approach to Determine What to Expect on Flood Planning</b>  <i>David Moret, DPM Consulting Group Pty Ltd</i>	<b>1.3 Beautifying Kingston's Raingardens: A Creative Approach to Stormwater Management</b>  <i>Daniella Gerente, Kingston City Council</i>	<b>1.4 Delivering a Water Sensitive Fishermans Bend: Working Together to Support Requirements for 'Smart' Rainwater Tanks</b>  <i>Caroline Chandler, E2Designlab</i>  <i>Dr Dale Browne, E2Designlab</i>  <i>Todd Berry, Department Of Transport And Planning</i>

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# TUESDAY, 3 JUNE 2025 - Continued

11.00am	5 Minute Room Change			
Stream	Innovation and crossing boundaries Chair: <i>Sarah Law</i>	Inspiring a Shared Vision (Strategy, policy & education) Chair: <i>Peter Woodman</i>	Full Circle - Design to Operation and back again Chair: <i>Alison Rickard</i>	Fostering Collaboration and Building Trust Chair: <i>Emily Plymin</i>
Room	Memorial Hall B	Alpine Theatre	Memorial Hall A	Conference Room
11.05am	2.1 Sharing the Load: A Pathway for Whole-of-Catchment Litter Management Through Data and Partnership  <i>Dr. Christine Lauchlan Arrowsmith, Streamology</i> <i>Pearl Elgindy, Streamology</i>	2.2 Analysing Flood Risk: A Joint Probability Approach to Local and Regional Hydrological Interactions  <i>Steeve Sablada, Afflux Consulting</i> <i>Andrew Allan, Afflux Consulting</i>	2.3 Smart Stormwater: Real-Time Control to Improve Stormwater Treatments  <i>Dr. Xixi Shi, E2Designlab</i>	2.4 Streams from the Start: Understanding, Benchmarking and Co-Designing Urban Headwater Stream Protection  <i>Dr. Belinda Hatt, Melbourne Water</i>
11.35am	5 Minute Room Change			
11.40am	3.1 Healthy Waterways Strategy Stormwater Targets – Progress Update  <i>Gayani Chandrasena, Water Technology</i>	3.2 Tackling the Climate Change Challenge: Practical Case Studies in Adaptation  <i>Jessica Ward, Spiire</i> <i>Sophie Cant, Spiire</i>	3.3 Contemporary Approach for Wetland Renewal  <i>Matthew Warry, Nation Partners</i>	3.4 Low Cost Frog Spas for Growling Grass Frogs  <i>Amanda Dodd, City Of Whittlesea</i>
12.10pm	5 Minute Room Change			
12.15pm	4.1 Sediment Production During the Urbanization Process: The Damage is Done Early  <i>Paulo Vitor Ribeiro M. da Silva, University of Melbourne</i>	4.2 A New Approach to Flood Mitigation Assessment  <i>Alice Lisitsa, BG&amp;E</i>	4.3 Learning from Experience: Casey's Stormwater Harvesting Journey  <i>Nausheen Obaid, City of Casey</i>	4.4 Water Planning in Dja Dja Wurrung Country:  <i>Ross Allen, Three Seeds Agency</i>  <i>Caroline Chandler, E2Designlab</i>
12.45pm	Lunch			
1.40pm	Move to Breakouts			

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## TUESDAY, 3 JUNE 2025 - Continued

Stream	Innovation and Crossing Boundaries Chair: <i>Belinda Hatt</i>	Innovation and Crossing Boundaries Chair: <i>Mahima Sivaji</i>	Full Circle - Design to Operation and Back Again Chair: <i>Alice Lisitsa</i>	Fostering Collaboration and Building Trust Chair: <i>Alan Davidson</i>
Room	Memorial Hall A	Memorial Hall B	Alpine Theatre	Conference Room
1.45pm	<b>5.1 From Challenges to Solutions: Transforming Stormwater Management with MrsP Across Policy, Planning and Design</b>  <i>Dr Christine Lauchlan Arrowsmith, Streamology</i>  <i>Dr Geoff Vietz, Streamology</i>	<b>5.2 Going Deep: Using ASR Techniques to Supplement Flows in Deep Creek</b>  <i>Priya Van Ryn, Melbourne Water</i>  <i>Wira Yan, Jacobs</i>	<b>5.3 Stressed Waterways: Enhancing Development Planning with Geomorphic Insights</b>  <i>Kira Woods, Streamology</i>  <i>Sarah Law, Streamology</i>	<b>5.4 North East Integrated Stormwater Community of Practice, a Case Study Approach</b>  <i>Zoe Blakeney, North East Water</i>  <i>Cath Botta, North East IWM Forum</i>
2.15pm	5 Minute Room Change			
2.20pm	<b>6.1 Leaky Streets? A Permeable Kerb and Channel Designed to Irrigate Street Trees with Stormwater</b>  <i>Dr. Christopher Szota, The University Of Melbourne</i>	<b>6.2 Small Flows, Big Assets: Challenges of Designing SWH Schemes in the Peri-Urban Environment</b>  <i>Josie McGushin, Melbourne Water</i>  <i>Gayani Chandrasena, Water Technology</i>	<b>6.3 We've Invested in Delivering a Long Term Flood Mitigation Program in Wangaratta - Now What?</b>  <i>Priyanka Wickramasuriya, Stantec</i>  <i>Andy Sheehan, Stantec</i>	<b>6.4 Stormwater Harvesting - Retailers Getting in on the Action</b>  <i>Sam Innes, Greater Western Water</i>
2.50pm	Afternoon Tea			
3.15pm	Move to Plenary Room			

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## TUESDAY, 3 JUNE 2025 - Continued

Room	Alpine Theatre
3.20pm	<p><b>Keynote Presentation: Waterways as Living Entities: What Does it Mean for the Future of Stormwater Stewardship?</b></p> <p><b>Prof. Chris Chesterfield</b>, Professor of Practice, Monash Sustainable Development Institute and  <b>Dr. Erin O'Donnell</b>, Senior Lecturer and ARC Research Fellow, University of Melbourne Law School</p> <p>Chair: <b>Emily Plymin</b></p>
4.10pm	<p><b>Panel Session: Waterways as Living Entities: What Does it Mean for the Future of Stormwater Stewardship?</b></p> <p>Moderator: <b>Prof. Chris Chesterfield</b>, Professor of Practice, Monash Sustainable Development Institute  Panellists: <b>Dr. Erin O'Donnell</b>, Senior Lecturer and ARC Research Fellow, University of Melbourne Law School  <b>Sonia Cooper</b>, Yorta Yorta Traditional Owner  <b>Ross Hardie</b>, Director, Alluvium Consulting Australia  <b>Celeste Morgan</b>, Australasia integrated water management lead, Arup</p>
5.15pm	<p><b>Best Presenter Award</b></p> <p><b>Emily Plymin</b>, Conference Chair</p>
5.20pm	<p><b>Day One Wrap Up</b></p> <p><b>Emily Plymin</b>, Conference Chair</p>
5.25pm	Day 1 Close

6.25pm	Buses depart from Quest and Gateway Hotel for Conference Dinner	
7.00pm	<p><b>2025 Stormwater Victoria Conference Dinner: Music and Murder</b>  MC: <b>Julia Bauman</b>, Vice President, Stormwater Victoria,</p> <p>Dress Code: 1920's</p> <p>Cask Hall, All Saints Estate, 205 All Saints Road, Wahgunyah</p> <p>Return transfers between 10.00pm and 10.45pm</p>	

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# CONFERENCE PROGRAM – WEDNESDAY, 4 JUNE 2025

8.00am Conference Registration – Tea and Coffee on Arrival				
Stream	Innovations and Crossing Boundaries Chair: <i>Mahima Sivaji</i>	Inspiring a Shared Vision (Strategy, Policy & Education) Chair: <i>Emily Plymin</i>	Full Circle - Design to Operation and Back Again Chair: <i>Peter Woodman</i>	Fostering Collaboration and Building Trust Chair: <i>Alison Rickard</i>
Room	Memorial Hall A	Memorial Hall B	Alpine Theatre	Conference Room
9:00am	7.1 The Nitrogen Dilemma: Why Sediment Ponds Fall Short <i>Birgit Jordan, South East Water</i> <i>Dr. Belinda Hat, Melbourne Water</i>	7.2 Merri-bek Shares Lessons Learnt Investigating a Stormwater Offset Scheme, Exploring Trade-Offs and Local Context <i>Naomi Clarke, Merri-bek City Council</i>	7.3 That ANCOLD Puzzle – Sorting Out What’s What for Retarding Basins <i>Michael Yule, Spiire</i> <i>Jessica Ward, Spiire</i>	7.4 An Integrated Approach to Stormwater Management through Collaboration - The Bradmill Development Example <i>Tommy Plahcinski, Stantec Australia Pty. Ltd.</i>
9.30am	5 Minute Room Change			
9:35am	8.1 GIS-Based Analysis of Green Infrastructure for Control of Flow and Ecosystem Conservation <i>Adrian Darmawan, Spatial Frontier</i>	8.2 The Top Five Advances in IWM Since the IWM Framework for Victoria <i>Celeste Morgan, Arup</i> <i>Neha Shetty, Arup</i>	8.3 Brimbank City Council’s IWM journey - There and Back Again in a Western Melbourne Municipality <i>David Collins, Brimbank City Council</i>	8.4 Turning Peter Hopper Lake from Murky Waters to Clear Solutions: A Tale of Algae, Engineering, and Community Spirit <i>Patrick Jeschke, City of Whittlesea</i> <i>Matthew Gaite, Spiire</i>
10.05am	Morning Tea			
10.30am	Move to breakout rooms			

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# WEDNESDAY, 4 JUNE 2025 Continued

Stream	Innovation and crossing boundaries Chair: <i>Alan Davidson</i>	Innovation and crossing boundaries Chair: <i>Julia Baumann</i>	Full Circle - Design to Operation and back again Chair: <i>Suresh Bajracharya</i>	Fostering Collaboration and Building Trust Chair: <i>Neha Shetty</i>
Room	Memorial Hall B	Memorial Hall A	Conference Room	Alpine Theatre
10.35am	<b>9.1 Discussion on the Status of Application of Pre-burst in Victoria</b>  <i>Dr. Bahman Esfandiar, KBR</i>	<b>9.2 PFAS Removal by a Radial Flow Cartridge System</b>  <i>Brad Dalrymple, Ocean Protect</i>	<b>9.3 A Trifecta of Stormwater Harvesting Projects – Differences, Similarities and Lessons Learned</b>  <i>Mahnoush Najmi, Optimal Stormwater</i>	<b>9.4 Flood Mapping Partnerships - Shaping Flood Resilience Together</b>  <i>Lucie Bright, Alluvium Consulting</i>  <i>Damien D'Aspromonte, Foresight Advisory</i>  <i>Nicole Sutherland, Melbourne Water</i>
11.05am	5 Minute Room Change			
11.10am	<b>10.1 Ranking Pipe Blockage Risk: An Innovative Methodology for Flood Resilience and Efficient Maintenance</b>  <i>Mehrdad Ahmadi, Rain Consulting</i>  <i>Lucy McLaren, Melbourne Water</i>	<b>10.2 Law &amp; Order for the Maintenance of WSUD Assets in Victoria</b>  <i>Daniel Rider, Ocean Protect</i>	<b>10.3 Determining the Ideal Inlet and Trench Size for Passively Irrigated Trees in Greenfield Streets</b>  <i>Dr Paul Hanley, Streamology</i>	<b>10.4 Flood to Flourish: Collaborating for Community-Led Flood Resilience Action</b>  <i>Euan Hind, Monash Sustainable Development Institute</i>
11.40am	5 min room change			
11.45am	<b>11.1 The Next Evolution in Stormwater Models for Planning</b>  <i>Dr Dale Browne, E2Designlab</i>	<b>11.2 Stormwater Target Guidance to Protect Receiving Waters: What is it and is it Gaining Traction?</b>  <i>Dr. Geoff Vietz, Streamology</i>	<b>11.3 Stormwater Planning Controls and Infill Development - What Happens After the Permit has been Issued?</b>  <i>Kate Matthews, Tract Consultants</i>	<b>11.4 From Stakeholders to Partners, Becoming Adaptive and Collaborative in our Approach to Manage Stormwater</b>  <i>Sophie Barton, GHD</i>  <i>Osta Surjadi, Melbourne Water</i>
12.15pm	Lunch			

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# WEDNESDAY, 4 JUNE 2025 Continued

1.10pm	Move to Plenary
Room	Alpine Theatre
1.15pm	<b>Stormwater Victoria's VUDM Update</b> <i>Alice Lisitsa, President, Stormwater Victoria</i>
1.45pm	<b>Gold Sponsor Address</b> <b>The GRAF ECOSYSTEM: How to combat dysfunction and reduce maintenance in stormwater treatment and onsite detention solutions</b>  <i>Katherine Haddock, Head of Green Infrastructure, GRAF</i>
1.50pm	<b>Keynote Presentation: Whole of Life Cycle Asset Management, Design and Delivery</b> <i>Dr Frédéric Blin, Director, Asset Management, AECOM</i>  <b>Chair: Alison Rickard</b>
2.40pm	<b>Panel Session: Whole of Life Cycle Asset Management, Design and Delivery</b> <i>Moderator: Dr Frédéric Blin, Director, Asset Management, AECOM</i> <i>Panellists: Dr Kathy Russell, Research Fellow, Waterway Ecosystem Research Group, School of Agriculture, Food and Ecosystem Sciences, The University of Melbourne</i> <i>Rob Catchlove, Director   Environment Scientist, Wave Consulting</i> <i>Birgit Jordan, Integrated Water Planning Lead, South East Water</i> <i>Fiona Hoegh-Guldberg, PhD Candidate, RMIT University Centre for Urban Research</i>
3.50pm	<b>Best Presenter Award and Exhibitor Prize Draws</b> <i>Emily Plymin, Conference Chair and Alice Lisitsa, President, Stormwater Victoria</i>
4.00pm	<b>Conference Wrap Up</b> <i>Alice Lisitsa, President, Stormwater Victoria</i>
4.10pm	Conference Concludes

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# POST-CONFERENCE PROGRAM – THURSDAY, 5 JUNE 2025

<b>8.00am</b>	<b>Technical Tour Registration</b>
<b>8.30am</b>	Meet in hotel lobby at Quality Hotel Gateway, Wangaratta.
<b>8.45am</b>	Bus departs for Technical Tour
<b>9.00am</b>	The morning will focus on waterway outcomes, reinforcing the importance of flow targets and the role of Water Sensitive Urban Design. Local waterway experts Water Technology will be taking us on a tour of the Lower Ovens River (a waterway of Heritage Status) and its extensive system of anabranches and natural wetlands.
<b>1.40pm</b>	<b>Picnic Lunch</b>
<b>2.10pm</b>	In the afternoon, asset managers from the Rural City of Wangaratta will be taking us on a Water Sensitive Urban Design tour in Wangaratta. The constructed assets will be of various scale, purpose, age and level of success. Rural City of Wangaratta will talk to us about the challenges, successes and shortcomings of each asset or project, sharing important lessons learnt with the group.
<b>4.15pm</b>	Technical Tour returns to Gateway Hotel and guests depart

Lunch and afternoon timings may vary.