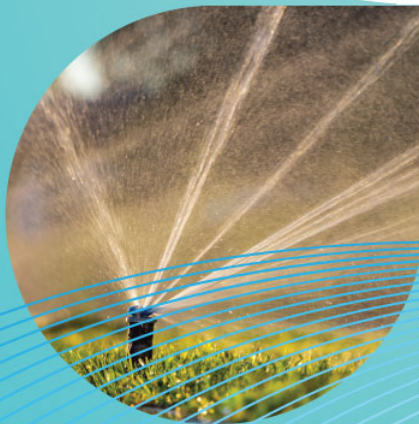




STORMWATER  
VICTORIA

PROGRAM

# STORMWATER VICTORIA CONFERENCE 2023



6-7 JUNE 2023  
BALLARAT,  
VICTORIA

*Driving Change and  
Embracing the Challenges*

## CONFERENCE PROGRAM – MONDAY, 5<sup>TH</sup> JUNE 2023

3.00pm	<b>Conference Registration</b>
3.30pm	<b>Stormwater Victoria Committee Meeting</b> <i>The Conservatory, Mercure Ballarat Hotel and Convention Centre</i>
5.30 pm	<b>Conference Welcome Reception</b> The Gallery Lounge, Mercure Ballarat Hotel and Convention centre
7.30 pm	<b>Welcome Reception concludes</b>

## CONFERENCE PROGRAM - TUESDAY 6<sup>TH</sup> JUNE 2023

8.00am	<b>Conference Registration – Tea and Coffee on Arrival</b>
<b>Room</b>	<b>Convention Centre</b>
8.50am	<b>Welcome to 2023 Stormwater Victoria Conference</b> <i>Celine Marchenay, Conference Chair</i>
9.00am	<b>President’s Welcome and Acknowledgement of Country</b> <i>Sarah Watkins, Stormwater Victoria</i>
9.10am	<b>Welcome to Ballarat</b> <i>Cr Des Hudson OAM, Mayor, City of Ballarat</i>
9.20am	<p><b>Keynote Presentation</b> <b>The Optimistic Leader – Why the Future Belongs to the Optimists and the Pessimists are Just Spectators</b> <i>Tané Hunter and Rebecca Maklad, Future Crunch</i></p> <p>Spend any time on the internet or watching the news, and you’ll get the sense that everything is falling apart. The economy is going to hell, war has returned, and humans are killing the planet - which is killing us right back. But is that really true? The answer might surprise you. It turns out the world is doing far better than we think. We’re just not hearing much about it.</p> <p>This talk shows why, in times of great uncertainty, the most crucial leadership quality is courageous, intelligent optimism. Cynics might sound smart, but in reality are taking the easy way out. Intelligent optimists by contrast, look beyond the events in front of them, prioritize solutions over problems and guide people through the current crisis. Optimists move the world forward – they always have.</p> <p>In their unique fact-based, mind-expanding style, Future Crunch reveals the extraordinary benefits of adopting this powerful leadership mindset. Audiences will walk away with a restored faith in the future, instantly applicable tools to foster intelligent optimism in their workplace, and a newfound belief that today’s biggest challenges represent opportunities for progress.</p>
10.20am	<b>Gold Conference Sponsor Welcome</b> <i>Michael Hannah, Enviropod</i>
10.25am	<b>Morning Tea</b>

10.55am Move to Breakout Rooms				
Stream	Fostering Collaboration and Building Trust	Innovation and Crossing Boundaries	Inspiring a Shared Vision	Taking Action and Celebrating Successes
Room	Convention Centre Part 2	Convention Centre Part 3	Victoria 1	Victoria 2
11.00am	<b>Working Together to Transform Aspirational IWM to Inspirational IWM</b> <i>Celine Marchenay, Water Technology and Caroline Chandler and Dr Sara Lloyd, E2Designlab</i>	<b>Clear Decisions from Murky Data: Sediment Pond Rapid Bathymetry Survey and Desilting Prioritisation in Melbourne</b> <i>Jarrod Gaut, Water Insites, Alison Rickard, Melbourne Water, David Carew, Carew Environmental, Kent Feng and Celine Marchenay, Water Technology</i>	<b>Stormwater Harvesting and Use: An Emerging Role for Water Retailers</b> <i>Suresh Bajracharya, South East Water</i>	<b>Investigating the Design, Operation and Rectification of WSUD Assets Within the City of Whittlesea</b> <i>Zubin Irani, E2Designlab and Patrick Jeschke, City of Whittlesea</i>
11.30am 5 Minute Room Change				
11.35am	<b>Collaboratively Exploring Integrated Water Management in the Ballarat North Growth Area</b> <i>Nigel Corby, Spiire, Sara Bundze, Central Highlands Water, Travis Hingston, APD Projects</i>	<b>A New Stormwater Toolbox for Development in the Northern Growth Corridor</b> <i>Tess Fuhrmann and Chris Beardshaw, Afflux Consulting</i>	<b>How Well Progressed are Melbourne Councils Embedding IWM into Everyday Practice?</b> <i>Dr Sara Lloyd, E2Designlab, Rachelle Adamowicz, Melbourne Water, Ross Allen, Three Seeds Agency, Micah Pendergast, Melbourne Water</i>	<b>Wonthaggi, Integrating Everything - Stormwater Harvesting, Detention, Retention &amp; Re-use</b> <i>Hugh Williamson, Optimal Stormwater, Andrew Busana, Bass Coast Shire Council</i>
12.05pm 5 Minute Room Change				
12.10pm	<b>Place-based Catchment Scale Integrated Water Management Plan for Merri-bek</b> <i>Arezou Houshmand, Merri-bek City Council, Dan O'Halloran, Alluvium Consulting, Rianda Mills, Rain Consulting</i>	<b>Finding the Balance Between Complexity and Accuracy in Modelling the Sunbury Stormwater Harvesting Scheme</b> <i>Bradley Nissley, Urban Water Solutions, Wira Yan, Melbourne Water, Celine Marchenay, Water Technology</i>	<b>In the Opinion of the People...</b> <i>Valerie Mag and Michael Mag, Stormy Water Solutions</i>	<b>Stormwater Harvesting, You Can't Set and Forget!</b> <i>Mahnoush Najmi and Omid Sayar, Optimal Stormwater</i>
12.40pm	Lunch			
1.35pm	Move to Breakouts			

Stream	Fostering Collaboration and Building Trust	Innovation and Crossing Boundaries	Inspiring a Shared Vision	Taking Action and Celebrating Successes
Room	Convention Centre Part 2	Convention Centre Part 3	Victoria 1	Victoria 2
1.40pm	<b>Healthy Waterways Strategy; a View from the Trenches and Bradmill Case Study</b> <i>Sumari Smith, Stantec</i>	<b>An Approach to Flood Risk Assessment for Activating Melbourne's Retarding Basins</b> <i>Dr Michael Di Matteo, KBR, Jo Bush, Melbourne Water, Filippo Dall'Osso, Water Technology, Cam Howie, Nation Partners, Zaki Matar, KBR</i>	<b>Merging Drainage and Flooding in Linear Infrastructure for an Integrated Stormwater Management Approach</b> <i>Alice Lisitsa, WSP</i>	<b>Five Years of Performance Monitoring for a High Flow Biofiltration System at Western Sydney, NSW</b> <i>Brad Dalrymple, Michael Wicks, Warren Jones and Blake Allingham, Ocean Protect</i>
2.10pm	<b>5 Minute Room Change</b>			
2.15pm	<b>Raining Red Tape</b> <i>Andrew Allan, Afflux Consulting</i>	<b>Public and Ecological Health Risks Propagated by Constructed Urban Lakes: A Victorian Case Study</b> <b>Via zoom</b> <i>Dr Penelope Galbraith, E2Designlab, Dr Sara Lloyd, Dr Peter Breen, E2Designlab, Ricardo Simao</i>	<b>The Challenges for the Implementation of Smart Rainwater Tanks: The Case of Fishermans Bend</b> <i>Dr Natalie Barron, City of Port Phillip, Todd Berry, Fishermans Bend Taskforce, Dr Vassiliki Boulomytis, City of Port Phillip, Maarten Van Herk, South East Water, Dr Michael Di Matteo, KBR</i>	<b>Wetlands in Rehab</b> <i>Steve Darwent and Murray Powell, Optimal Stormwater</i>
2.45pm	<b>5 Minute Room Change</b>			
2.50pm	<b>The Impacts of Future Challenges on the City of Kingston's Integrated Water Targets</b> <i>Alan West, City of Kingston</i>	<b>Rectifying Wetlands – Using Failures to Drive Change in Wetland Design</b> <i>Michael Yule, Spiire and Alison Rickard, Melbourne Water</i>	<b>The Positives of Positive Afflux</b> <i>Alice Lisitsa, WSP</i>	<b>Enhancing Natural Regeneration in Constructed Wetlands</b> <i>Callam Reynolds, Acacia Environmental Management, Alison Rickard and Adrian Vinnell, Melbourne Water</i>
3.20pm	<b>Afternoon Tea</b>			
3.45pm	<b>Move to the Convention Centre</b>			
3.50pm	<b>Best Presentation for Day 1</b> <i>Interactive Session for Delegates</i>			
3.50pm	<b>Keynote Presentation</b> <b>Stormwater Management at Aura - The Journey from 'Need' to 'Concept' to 'Reality'</b> <i>Tony McAlister, Director and Regional General Manager, Queensland, Water Technology</i>			
4.35pm	<b>Day 1 Close</b>			
6.30pm	<b>2023 Stormwater Victoria Conference Dinner</b> <b>Gallery Lounge and Eureka Ballroom, Mercure Ballarat Hotel and Conference Centre</b>			 sponsored by

## CONFERENCE PROGRAM - WEDNESDAY 7<sup>TH</sup> JUNE 2022

8.00am	Conference Registration – Tea and Coffee on Arrival			
Room	Convention Centre			
9.00am	<b>Welcome to Day 2</b> <i>Maria Matamala, Program Chair, 2023 Conference Committee</i>			
9.05am	<b>Stormwater Victoria VUDM Project</b> <i>Alice Lisitsa, Vice President, Stormwater Victoria</i>			
9.20am	<b>Keynote Presentation:</b> <b>Stormwater as a Critical Barrier to Achieving Healthy Waterways</b> Cheryl Batagol PSM, Independent Chair, Healthy Waterways Strategy Region-wide Leadership Group  Over the past decade we have recognised that stormwater is a potent element in improving waterway health. The Melbourne metropolitan Health Waterways Strategy is now halfway through it 10 year life. The presentation reflects on what we have achieved and yet to achieve in relation to stormwater.			
10.00am	<b>Panel Session: The Stormwater MAC – Where Are We Now, 5 Years On</b> Facilitator: Sumari Smith, Standec Panelists: Chris Chesterfield, Monash University, Craig Muse, Frasers Property Group, Dr Jeremy Cheesman and Cheryl Batagol PSM  The 2018 Stormwater Ministerial Advisory Committee was convened to consider reforms to the way stormwater is managed in Victoria. At the time it was recognised that Victoria, once considered an international leader on stormwater management, had started to slip behind other cities across the globe. To counter this, the panel made 18 recommendations within its report, covering planning reform, future policy directions and supporting tools and practices. This panel session will explore where the industry is at, half a decade on, and what needs to be done to drive the change we seek.			
11.20am	Morning Tea			
11.45am	Move to breakout rooms			
Stream	Fostering Collaboration and Building Trust	Innovation and Crossing Boundaries	Inspiring a Shared Vision	Taking Action and Celebrating Successes
Room	Convention Centre Part 2	Convention Centre Part 3	Victoria 1	Victoria 2
11.50am	<b>Developing a Stormwater Harvesting System at VU's Sunshine Campus to Compliment an Existing Harvesting Scheme</b>  <i>Dr Nitin Muttli, Victoria University, Darren Coughlan, Greater Western Water</i>	<b>A Review on Permeable Paving: An Often-Overlooked Component of the IWM Toolkit for Metropolitan Victoria</b>  <i>Dr Dale Browne, Dr Penelope Galbraith, Gary Walsh, E2Designlab</i>	<b>Turning the Greenfields Blue - What Does Systemic Change Look Like for IWM Planning?</b>  <i>Simon Hammer, Alluvium, Jeddah Breman, Melbourne Water, Jasmine Thom and Sam Innes, Greater Western Water</i>	<b>A Review of Stormwater Quality Modelling Tools and How They Compare to MUSIC</b>  <i>Gregory Chian, Cleanstormwater</i>
12.20pm	5 Minute Room Change			
12.25pm	<b>Stormwater Harvesting at Max Pawsey Reserve, Narre Warren</b>  <i>Julian Giannetti, Nicholas Andrewes, Engeny, Darshana Pradhan, City of Casey</i>	<b>Smart Ponds with Floating Wetlands: A Potential Space-Saving Solution for Flooding, Water Quality and Biodiversity?</b>  <i>Dr Michael Di Matteo, KBR, Dr Tom Headley, WETSystems</i>	<b>Transcending Regulatory Drivers through Enhanced Stormwater Management in Greater Geelong</b>  <i>Jacob Meehan, Spiire, Amber Adams, Barwon Water</i>	<b>Shifting Flows to Enhance the Urban Forest to Reduce Climate Change Impacts</b>  <i>Dr Harsha Sapdhare, Space Down Under</i>

12.55pm	Lunch			
1.50pm	Move to breakout rooms			
	<b>Fostering Collaboration and Building Trust</b>	<b>Innovation and Crossing Boundaries</b>	<b>Inspiring a Shared Vision</b>	<b>Taking Action and Celebrating Successes</b>
<b>Room</b>	<b>Convention Centre Part 2</b>	<b>Convention Centre Part 3</b>	<b>Victoria 1</b>	<b>Victoria 2</b>
1.55pm	<b>What Can Be Done When Solutions to Flooding Problems Can't be Found?</b>  <i>John Phillips, Mornington Peninsula Shire Council</i>	<b>Lessons and Learnings from Making the Transition from Academia to Consultancy</b>  <i>Amir Behroozi, Stantec, Sumari Smith, Andy Sheehan</i>	<b>The Brave New World of Stormwater Flow Pattern and Volume Objectives</b>  <i>Dr Dale Browne, E2Designlab, Birgit Jordan, Melbourne Water</i>	<b>A Direct Shift to Indirect Screening GPTs</b>  <i>Damien Egan, Ocean Protect</i>
2.25pm	5 Minute Room Change			
2.30pm	<b>After the Storm: Harnessing Urban Runoff to Benefit Jacksons Creek</b>  <i>Priya van Ryn, Wira Yan, Melbourne Water</i>	<b>Reducing Flood Risk in Miners Rest from a Wide Angled Approach</b>  <i>Jack Brook, Joanna Theilemann, Water Technology, Vaughn Notting, City of Ballarat</i>	<b>Melbourne's Future Stormwater Networks – a City-Wide Assessment of Opportunities</b>  <i>Olivia Blair-Holt, Melbourne Water, Miranda Cowley, GHD</i>	<b>Here Comes the Sun: Remote Sensing of Vegetation Cover to Inform WSUD Asset Management</b>  <i>Jarrod Gaut, Water Insites</i>
3.00pm	Afternoon Tea			
3.25pm	Move to Convention Centre			
3.50PM	<b>Best Presentation for Day 2</b> <i>Interactive Session for Delegates</i>			
3.30pm	<b>Stormwater Victoria Open Forum</b> <i>Sarah Watkins, President, Stormwater Victoria</i>			
4.15pm	Conference Wrap Up			
4.30pm	Conference Concludes			

## TECHNICAL TOUR PROGRAM – THURSDAY, 8<sup>TH</sup> JUNE 2023

8.30am	<b>Technical Tour Registration</b>
9.00am	<b>Technical Tour departs the Mercure Ballarat Hotel and Convention Centre</b>
9.30am	<b>Site Visit: Paul's Wetland</b>
10.45am	<b>Site Visit: Yarrowee</b>
12.00pm	<b>Lunch</b>
1.45pm	<b>Site Visit: Winter Valley</b>
2.45pm	<b>Site Visit: Insignia</b>
4.00 pm	<b>Technical Tour returns to venue and guests depart</b>