



STORMWATER  
VICTORIA  
2018 CONFERENCE

2018 CONFERENCE PROGRAM  
WATER SENSITIVE COMMUNITIES  
*Inevitable OR Pipe Dream?*



SHERATON MELBOURNE HOTEL | 6TH - 7TH JUNE 2018

## CONFERENCE PROGRAM: WEDNESDAY, 6<sup>TH</sup> JUNE, 2018

<b>8.00 am</b>	<b>Conference Registration – Tea and Coffee on Arrival</b>		
<b>Room</b>	<b>All Plenary Sessions will be held in Ballroom 1</b>		
9.00 am	<b>Welcome to Delegates</b> <b>Andrew Thomas</b> Conference Chair, <i>Stormwater Victoria</i>		
9.05 am	<b>Opening Address</b> Chris Beardshaw President, <i>Stormwater Victoria</i>		
9.15 am	<b>Keynote Presentation</b> <b>Leadership to Deliver Water Sensitive Communities: The Case for a New Mindset</b> Dr Andre Taylor Leadership Specialist and Facilitator, <i>International WaterCentre, University of New South Wales Business School and Monash University</i>		
10.00 am	<b>Keynote Presentation</b> <b>Retrosurbia: A Bottom Up Alternative Pathway to Water Sensitive Communities</b> David Holmgren Permaculture Co-Originator, <i>Holmgren Design</i>		
<b>10.45 am</b>	<b>Morning Tea</b>		
	<b>Collaboration and Integration</b>	<b>Strategy, Policy and Education</b>	<b>Science and Innovation</b>
11.15 am – 11.45 pm	<b>Water-Sensitive Communities – Understanding Context and Enabling Collaboration</b>  <i>Ross Allen, Ross Allen Consulting</i>	<b>Stormwater Pollution Management: Measuring Performance</b>  <i>Andrew Grant, Melbourne Water</i>	<b>Street Tree Planting and WSUD to Increase Tree Growth and Stormwater Treatment: A Street Experiment</b>  <i>Vaughn Grey, Moreland City Council</i>
<b>5 minutes to change rooms</b>			

	Collaboration and Integration	Strategy, Policy and Education	Science and Innovation
11.50 am – 12.20 pm	<p><b>An Integrated Water Management Approach or the Monash National Employment Cluster</b></p> <p>Rianda Mills, <i>Water Technology</i> and Chris Tancheff, <i>South East Water</i></p>	<p><b>Flood Mapping Consultation – A Tale of Two Cities</b></p> <p>Stephen D’Agata, <i>City of Boroondara</i></p>	<p><b>Systems Analysis and Macroeconomic History Reveals Relative Progress Toward Water Sensitive Cities</b></p> <p>Professor Peter J Coombes, <i>Urban Water Cycle Solutions</i></p>
<b>12.20 pm</b>	<b>Lunch</b>		
1.20 pm – 1.50 pm	<p><b>IWM in Practice: Lessons and Learnings from Enhancing Our Dandenong Creek Program</b></p> <p>Sarah Watkins, <i>Melbourne Water</i></p>	<p><b>Kingston Stormwater Quality in-lieu Contribution Scheme</b></p> <p>Dr Jeremy Cheesman, <i>Marsden Jacob Associates</i> and Andrea Skraba, <i>Kingston City Council</i></p>	<p><b>Managed Aquifer Recharge (MAR) Examples Supporting Integrated Water Management (IWM) across Australia and New Zealand</b></p> <p>Russell Martin and Emma Hendy, <i>Wallbridge Gilbert Aztec</i></p>
<b>5 minutes to change rooms</b>			
1.55 pm – 2.25 pm	<p><b>Embracing Collaboration for Better Solutions – A Case Study for Flood Mitigation in Arden-Macaulay</b></p> <p>Penny Ball and Rowena Joske, <i>City of Melbourne</i></p>	<p><b>Economic Assessment of the Ballarat Integrated Water Management Plan</b></p> <p>Kym Whiteoak, <i>RMCG</i></p>	<p><b>Corridors of Concrete: The Benefits of Naturalising Urban Streams Across Melbourne</b></p> <p>Jonathan Ho, <i>Alluvium Consulting</i></p>
<b>5 minutes to change rooms</b>			
2.30 pm – 3.00 pm	<p><b>Ballarat City Integrated Water Management Plan: Collaborating to Drive Real Community Outcomes</b></p> <p>Celeste Morgan, <i>E2DesignLab</i> and John Frdelja, <i>Central Highlands Water</i></p>	<p><b>Melbourne Water’s Healthy Waterways Strategy Refresh</b></p> <p>Daniel Besley, <i>Regional Waterways Strategy</i></p>	<p><b>A New Method for Protecting Urbanising Waterways: Urban Streamflow Impact Assessment</b></p> <p>Dr Geoff Vietz, <i>Streamology Pty Ltd</i></p>

3.00 pm		Afternoon Tea		
	Infrastructure Management and Operations	Strategy, Policy and Education	Science and Innovation	
3.30 pm – 4.00 pm	<b>Proactively Maintaining and Renewing Casey’s WSUD Assets</b>  Nausheen Obaid and Daniel Fokkens, <i>City of Casey</i>	<b>Innovative Wastewater Management Solutions</b>  Peter O’Brien, <i>Mornington Peninsula Shire</i>	<b>Dobson Creek Disconnection Project Evaluation</b>  Matthew Potter, <i>Knox City Council</i>	
<b>5 minutes to change rooms</b>				
4.05 pm – 4.35 pm	<b>Permeable Pavement – What’s the Concrete Evidence?</b>  Candace Jordan, <i>City of Melbourne</i> and Dr Dale Browne, <i>E2DesignLab</i>	<b>Better Best Practice Notes – Stormwater and Beyond</b>  Sheridan Blunt, <i>Loci Environment &amp; Place Inc.</i>	<b>Passively Irrigated Street Trees: Leaping the Hype Cycle</b>  Gary Walsh, <i>E2DesignLab</i>	
<b>5 minutes to change rooms</b>				
Room	<b>Monash 1</b>			
4.40 pm – 5.10 pm	<b>ARR – Industry Discussion</b>  Following the Australian Rainfall and Runoff (ARR) 2016 Breakfast Seminar in May, the seminar showed that the industry is in need of interpretations of the information within ARR16. This informal discussion we help shape Stormwater Victoria’s response to both Engineer’s Australia and the broader industry. It is hoped an industry response can be formed that may help us in our day to day interactions.  <b>Facilitator:</b> Chris Beardshaw, President, <i>Stormwater Victoria</i>			
7.00 pm – 11.00 pm	<b>Stormwater Victoria Awards for Excellence Dinner</b> Ballroom - Sheraton Melbourne Hotel			

## CONFERENCE PROGRAM: THURSDAY, 7<sup>TH</sup> JUNE 2018

<b>8.00 am</b>	<b>Conference Registration – Tea and Coffee on Arrival</b>		
<b>Room</b>	<b>Ballroom 1</b>		
9.00 am	<b>Welcome to Day 2</b> <b>Elizabeth Smolinska</b> Conference Committee Member, <i>Stormwater Victoria</i>		
9.10 am	<b>Keynote Presentation</b> <b>Water Sensitive Communities Driving Change – The Yarra River Protection Act</b> Councillor Amanda Stone <i>Yarra City Council</i>		
10.00 am	<b>Stormwater Victoria – Open Forum</b> Grant Fenton, <i>The Yarra Strategic Team</i> Rosemary Hancock, <i>Municipal Association of Victoria</i>		
<b>10.45 am</b>	<b>Morning Tea</b>		
	<b>Infrastructure Management and Operations</b>	<b>Strategy, Policy and Education</b>	<b>Science and Innovation</b>
11.15 am – 11.45 pm	<b>Intelligent Networks and Digital Realities – Exploring a Geospatial Data and Analytics Future</b>  Peter Terrett, <i>Rapidmap</i>	<b>Are Planning Controls the Best Approach to WSUD on Private Land?</b>  Sheridan Blunt, <i>Loci Environment &amp; Place Inc.</i>	<b>Stormwater and Urban Habitat Restoration</b>  Jonathon Mclean, <i>Alluvium Consulting</i>
<b>5 minutes to change rooms</b>			
11.50 am – 12.20 pm	<b>On-site Stormwater Detention – A Standardised Approach?</b>  Stephen D’Agata, <i>City of Boroondara</i>	<b>The Importance of Council Guidelines in Creating Water Sensitive Communities</b>  Stephanie Milankovic, <i>Arup</i>	<b>Selecting Tree Species to Improve Runoff Retention by Biofiltration Systems</b>  Dr Chris Szota, <i>The University of Melbourne</i>
<b>12.20 pm</b>	<b>Lunch</b>		

1.20 pm – 1.50 pm	<b>The Influence of Stormwater Infiltration on Groundwater Pollutant Transport</b>  <i>Amir Behroozi, The University of Melbourne</i>	<b>Building a Water Sensitive Municipality @ Moreland</b>  <i>Vaughn Grey, Moreland City Council</i>	<b>Fairbairn Park Pavilion Project: The Design and Construction of a Hydraulically “Disconnected” Drainage System</b>  <i>Nick Andrewes, Engeny Water Management</i>
<b>5 minutes to change rooms</b>			
	<b>Infrastructure Management and Operations</b>	<b>Strategy, Policy and Education</b>	<b>Science and Innovation</b>
1.55 pm – 2.25 pm	<b>Embedding Successful WSUD Asset Management Practices</b>  <i>Jamie Comley, Jamie Comley Consulting</i>	<b>Greening the Greyfields – A Pilot Study for Melbourne</b>  <i>Scott Dunn, Engeny Water Management</i>	<b>Retrofitting Tree-based Infiltration Trenches to Support Stormwater Reduction and Street Tree Transpiration</b>  <i>Jasmine Thom, The University of Melbourne</i>
<b>5 minutes to change rooms</b>			
	<b>Infrastructure Management and Operations</b>	<b>Strategy, Policy and Education</b>	<b>Infrastructure Management and Operations</b>
2.30 pm – 3.00 pm	<b>From Little Things, Big Errors May Grow – A Look at the Importance of QA</b>  <i>Peter Woodman and Rushiru Kanakarathne, GHD</i>	<b>Managing Pollution in Stormwater Networks – A Decision Support Tool</b>  <i>Stephen Marshall, Bio2Lab</i>	<b>Stormwater Harvesting Storage Management to Achieve Sustainable Landscapes at Royal Botanic Gardens Victoria, Melbourne Gardens</b>  <i>Geoff Connellan, G&amp;M Connellan Consultants and Peter Symes, Royal Botanic Gardens Victoria</i>

3.00 pm		Afternoon Tea		
	Infrastructure Management and Operations	Strategy, Policy and Education	Science and Innovation	
3.30 pm – 4.00 pm	<b>Soil Moisture Recharge to Maximise the Benefits of Stormwater Harvesting Systems?</b>  Kate Berg, <i>City of Melbourne</i>	<b>Strategic Investment in Runoff Management through Spatial Decision Support Tools</b>  Birgit Jordan and Bronwen Hutchinson, <i>Melbourne Water</i>	<b>Urban Stream Restoration for Ecology and Community – The Upper Stony Creek Story</b>  Stuart Cleven, <i>Alluvium Consulting</i> and Glenn Berrill, <i>Thompson Berrill Landscape Design</i>	
<b>5 minutes to change rooms</b>				
	Infrastructure Management and Operations	Strategy, Policy and Education	Science and Innovation	
4.05 pm – 4.35 pm	<b>Coomoora Road Reserve Stormwater Harvesting Project</b>  Hugh Williamson, <i>Optimal Stormwater</i>	<b>Are We Serious About Integrated Water Management?</b>  Leigh Holmes, <i>Spiire</i>	<b>Sediment-sensitive Stormwater Management: Understanding the Urban Coarse Sediment Regime to Prevent Stream Degradation</b>  Kathy Russell, <i>The University of Melbourne</i>	
<b>5 minutes to change rooms</b>				
Room	<b>Ballroom 1</b>			
4.40 pm	<b>Conference Acknowledgements and Prize Draw</b>			
	<b>Close of 2018 Stormwater Victoria Conference</b> <b>Ann Pugh</b> Conference Chair, <i>Stormwater Victoria</i>			