



franc.sydney

**Dockside Darling Harbour
29 & 30 March 2022
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Conference program



Tuesday, 29th March 2022

8.00 am	Conference Registration and Exhibition Visits – Tea and Coffee on Arrival
Room:	Plenary – Darling II, Quay I & Quay II
8.30 am	<p>Welcome to franc.sydney</p> <p><i>MC: Jocelyn Ellero</i></p>
9.00 am	<p>2022 Conference Panel Session</p> <p>What Will It Take To Make Urban Stormwater Truly Blue/Green?</p> <p><i>Facilitator: Prof. Martina Doblin, Director and Chief Executive Officer, Sydney Institute of Marine Science</i></p> <p><i>Panellists: Dr Britta Denise Hardesty, CSIRO</i></p> <p><i>Dr William Glamore, The University of NSW</i></p> <p><i>Keysha Milenkovic, Blacktown City Council</i></p> <p><i>Tony Weber, Alluvium</i></p> <p>Stormwater NSW and UNSW's Water Green-Urban-Management (WaterGUM Research) Group have a shared vision for protecting the values of the urban ocean where people, investment/assets and impacts intersect. During 2020-2021, they engaged stakeholders in themed workshops on Policy, Capacity Building, Collaborations and Funding.</p> <p>The community-led outcomes from the workshops have sparked a conversation about what it will take to make urban stormwater management truly blue-green. And, given the ramifications of inaction, other stakeholders have been invited to join the conversation.</p> <p>Research by scientists at the Sydney Institute of Marine Science shows the stakes are high—our livelihoods and wellbeing are dependent on urban water quality. This is your opportunity to be part of it at the inaugural franc.sydney 2022 Conference and have your say.</p>
10.15 am	Morning Tea
10.45 am	Move to Plenary Session
10.50 am	<p>2022 franc.sydney Resilience Session</p> <p><i>Facilitator: Beth Salt</i></p> <p><i>Speakers: Dr Katherine Dafforn, Macquarie University</i></p> <p><i>Dr Jocelyn Dela-Cruz, Department of Planning, Industry and Environment</i></p> <p><i>Chris Quinn, Resilient Projects</i></p>
11.50 am	<p>Keynote Presentation</p> <p>Climate Change: Where Are We Now and Where Are We Going?</p> <p><i>Professor Lesley Hughes, Member, Wentworth Group of Concerned Scientists and Distinguished Professor of Biology and Pro Vice-Chancellor Macquarie University</i></p>
12.20 pm	Lunch

1.10 pm	Move to Breakout Rooms		
Theme	Future Focused	Resilience	Adaptive & Networked Communities
Room:	Darling 2	Quay I	Quay II
1.15 pm	Micro litter Reduction Framework: Solutions for the Future <i>Scott Wilson & Michelle Blewitt, AUSMAP</i>	Nominal Impervious Surfaces: A Dataset to Quantify Nominal Impervious Surfaces in the Greater Sydney Region <i>William Chirgwin, Department of Planning, Industry and Environment</i>	Cooperation is Key to Conserve our Iconic Natural Asset: Sydney Harbour <i>Sarah Joyce & Nell Graham, Sydney Coastal Councils Group</i>
1.30 pm	California Dreaming. California's Stormwater Trash Legislation - A Road Map to Stop Marine Plastic <i>Mike Hannah, Enviropod</i>	Canterbury Bankstown Council – Kicking Stormwater Goals <i>Murray Powell, Optimal Stormwater</i>	Litter-free Urban Rivers – Pipe Dream or Catchment Vision? <i>Alexa McAuley, Cville & John Lavarack, Environment Protection Authority</i>
1.45 pm	Mind the (Data) Gap: Macro- and Micro-Plastic Pollution in Stormwater <i>Braden van Leer, Enviropod</i>	Making Water Sensitive and Climate Resilience Strategies an On Ground Reality <i>Bonnie Heidrich, Southfront</i>	Cooks River Rescue: Schools as Springs of Stormwater Stewardship <i>Catarina Fraga Matos, City of Canterbury Bankstown & Nic Hall, Georges River Environment Education Centre</i>
2.00 pm	Q&A Panel (25mins)	Q&A Panel (25mins)	Q&A Panel (mins)
Move to Breakout Rooms			
2.30 pm	A Holistic Planning Approach to Stormwater Management <i>Ruby Ardren, Alluvium</i>	Between a Rock and a Hard Place - Balancing Increased Flooding and Reduced Drainage Under Sea Level Rise <i>Kate Waddington, The University of NSW</i>	Finding Collaboration ‘sweet spots’ – Unlocking New Partnership Opportunities for Urban Stormwater Management Across Disciplines <i>Julia Barnes, WaterNSW</i>
2.45 pm	Leading By Example – City of Sydney, Award Winning Stormwater Management <i>Murray Powell, Optimal Stormwater & Mr Adrian Smit, City of Sydney Council</i>	Stormwater Harvesting Operation and Maintenance, Optimisation and Lessons Learned for the City of Ryde <i>Omid Sayar, Optimal Stormwater</i>	Has the Stormwater Industry Failed the Community? <i>David Nixon, Stormwater Sydney</i>
3.00 pm	Unmanaged Stormwater and its Catastrophic Impacts on all Lifeforms, Including Humans <i>Mary Rayner, Stormwater Shepherds</i>	27 Ways Not to Kill Bio Plants (and 27 Fixes to Improve Bioretention Function) <i>Glenn Browning</i>	Stream of Life: Using Blue-Green (Living) Infrastructure as a Basis for Community Resilience and Wellbeing <i>Joel Dalberger, Mcgregor Coxall</i>
3.15 pm	Q&A Panel (30mins)	Q&A Panel (30mins)	Q&A Panel (30mins)
3.45pm	Afternoon Tea		

4.10 pm	Move to Plenary
4.15 pm	Plenary Session Use of Machine Learning for the Smart Design and Real-time Control of Stormwater Storages <i>Speakers: Professor Holger Maier and Dr Mark Thyer, The University of Adelaide</i>
4.30 pm	Keynote Presentation Global initiatives for monitoring and combating water pollution <i>Professor Kenneth Leung, Director, State Key Laboratory of Marine Pollution, Chair Professor, Department of Chemistry, City University of Hong Kong</i>
5.00 pm	Day 1 wrap up and Close
7.00pm	Franc.fest

Wednesday, 30th March 2022

8.30 am	Conference Registration and Exhibition Visits – Tea and Coffee on Arrival		
Room	Plenary: Darling 2, Quay I & Quay II		
9.00 am	Welcome to Day 2 and Housekeeping <i>MC: Beth Salt</i>		
9.10 am	franc.sydney Panel Recap: What Will It Take to Make Urban Stormwater Truly Blue/Green? <i>Prof Martina Doblin, Director and Chief Executive Officer, Sydney Institute of Marine Science</i>		
9.30 am	Keynote Presentation Prescribe Nature for Community and Planetary Health <i>Professor Thomas Astell-Burt, Professor of Population Health and Environmental Data Science and the Founding Director of the Population Wellbeing and Environment Research Lab, University of Wollongong</i>		
10.00 am	Keynote Presentation Why? <i>Tony Weber, National Leader, Water Modelling, Alluvium</i>		
10.30 am	Morning Tea		
11.00 am	Move to breakout rooms		
Theme	Future Focused	Resilience	Adaptive & Networked Communities
Room:	Darling 2	Quay I	Quay II
Sponsored by:			
11.05 am	Stormwater Blockage Prediction and Prevention Using Low Cost IoT Sensors and Artificial Intelligence <i>Paul Hart, Metasphere Australia</i>	Rainwater Harvesting, At Source Stormwater Solutions, Vested Interests and The Greater Good <i>Michael Smit, Kingspan Water Tanks.</i>	The benefits of Australia's biggest water sensitive urban release area <i>Daniel Cunningham, Sydney Water and Peter Gillam, Aurecon</i>

11.20 am	Two Birds One Stone - Flood Free Properties and Cleaner Beach at Newport! <i>Hugh Williamson, Henry & Hymas</i>	Randwick Council Stormwater Treatment and Stormwater Harvesting <i>Oscar Bentham, Optimal Stormwater</i>	The earlier the better – urban planning and stormwater in the Aerotropolis <i>Erin Saunders and Phillip Birtles, Sydney Water</i>
11.35 am	Urban Land Use Land Cover Extraction for Catchment Modelling Using Deep Learning Techniques <i>Siming Gong, University of Technology Sydney</i>	Is it Illegal to Not Maintain Stormwater Treatment Assets? <i>Brad Dalrymple, Ocean Protect</i>	Urban Plunge – how aquatic recreation will save the stormwater industry <i>Nerida Taylor and Leanne Niblock, Sydney Water</i>
11.50 am	Q&A Panel (30mins)	Q&A Panel (30mins)	Q&A Panel (30mins)
12.20 pm	Lunch		
1.20 pm	Move to breakout rooms		
1.25 pm	Application of Effects Based Assessment to Large-format Industrial Development in Western Sydney <i>Tim Michel, AT&L</i>	Durham Brings Innovation and Ingenuity to the Stormwater Quality Market <i>Rachel Murphy, BR Durham & Sons</i>	Lane Cove Community Nursery - Water Capture and Frog Bog Project <i>Hugh Williamson, Optimal Stormwater</i>
1.40 pm	STORMupdated: Online WSUD and OSD Compliance Tool <i>Alec Olson, Cleanstormwater</i>	Paving the Way for Greener Communities <i>Keanu Andrews, Concrete Masonry Association of Australia</i>	Community Aspirations for the Cooks River <i>Alexa McAuley, Cville</i>
1.55 pm	How the City of Sydney and Optimal Stormwater Have Enhanced Stormwater Asset Management to Protect One of Australia's Greatest Jewels <i>Murray Powell, Optimal Stormwater</i>	Achieving Resilience Through An Inter-connected and Multi-functional Design Process <i>Lidia Lewis, Arup</i>	Creating Communities of Catchment Changemakers <i>Catarina Fraga Matos, City of Canterbury Bankstown & Jasmine Payget, PRCG & Nic Hall, Georges River Environmental Education Centre</i>
2.10 pm	Q&A Panel (30mins)	Q&A Panel (30mins)	Q&A Panel (30mins)
2.40pm	Afternoon Tea		
3.10pm	Move to Plenary		
Room	Plenary: Darling 2 & Quay I		
3.15pm	2022 franc.sydney Future Focused Session <i>Facilitator: Chris Gray</i> <i>Speakers: Dr Ana Bugnot, The University of Sydney</i> <i>Associate Professor Gary Sheridan, The University of Melbourne</i> <i>Prue Tucker, Mid Coast Council</i> <i>Phillip Birtles, Sydney Water</i>		
4.15 pm	franc.sydney Panel Wrap Up - What will it take to make urban stormwater truly blue/green?		

	<i>Prof Martina Doblin, Director and Chief Executive Officer, Sydney Institute of Marine Science</i>
4.25 pm	Keynote Presentation Change through Resilience <i>Gary Jubelin, Journalist and Former NSW Police Homicide Detective Chief Inspector</i>
4.55 pm	Conference Wrap Up
5.00 pm	Conference Close