

RUNOFF, REEF, REGULATION... *and reality checks*



CONFERENCE PROGRAM

**2019 IECA Australasian Conference and
Stormwater Queensland Conference**

Tuesday, 1st – Thursday, 3rd October 2019
Hilton Cairns, QLD



PRE-CONFERENCE FIELD TOUR PROGRAM – TUESDAY, 1ST OCTOBER 2019

7:00 am – 7:45 am	Field Tour Registration <i>(Additional ticket cost to Full Conference Registration)</i>
7:45 am – 8:00 am	Welcome <i>Butch Uechtritz, Turbid Water Solutions, Kyle Robson, Topo</i>
8:00 am – 8:30 am	Presentation on Gully and Stream Bank Erosion – Herbert Catchment <i>Jennifer MacKenzie, Terrain</i>
8:45 am	Coach to Depart for Site Visits <i>Commentary by Bart Drydan, Terrain</i>
10:15 am – 10:30 am	Morning Tea at Innisfail Cane Farm
10:30 am – 12:00 pm	Site Visit: Cane / Banana BMP and Regulation, Innisfail Cane Farm <i>Sandra Henrich, Cane Growers</i>
12:00 pm	Coach to depart for next site <i>Commentary by Bart Drydan, Terrain</i>
12:15 pm – 1:00 pm	Lunch and Tour at Paronella Park
1:00 pm	Coach to depart for next site <i>Commentary by Bart Drydan, Terrain</i>
1:30 pm – 3:00 pm	Site Visit: Wetland / Bio Reactor Sites, The Wet Tropics Major Integrated Project, Babinda <i>Liz Owen, Jaragun</i>
3:00 pm – 3:45pm	Return to Hilton Cairns & Conclusion of Field Tour
5:30 pm – 7:30 pm	2019 IECA Australasian Conference and Stormwater Queensland Conference Welcome Reception Marina View Terrace, Hilton Cairns <i>Dress: Resort Casual</i>

Disclaimer

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CONFERENCE PROGRAM – WEDNESDAY, 2nd OCTOBER 2019

7:30 am – 8:30 am	Conference Registration – Tea and Coffee on Arrival <i>Foyer & Meeting Rooms 3 – 5</i>		
Ballroom 1 & 2			
8:30 am – 8:40 am	Conference Welcome and Housekeeping		
8:40 am – 8:45 am	Welcome to Country Gudju-gudju Seith Fourmile		
8:45 am – 8:50 am	Official Opening Address Cr Bob Manning OAM, Mayor, Cairns Regional Council		
8:50 am – 9:00 am	Presidents' Welcome Peter Worth, Stormwater Queensland Kyle Robson, IECA Australasia		
9:00 am – 9:45am	Keynote Presentation: Towards protecting the Great Barrier Reef from land-based pollution Dr Frederieke Kroon, Australian Institute of Marine Science		
9:45 am – 10:30 am	Keynote Presentation: Engineering with empathy: combining the 'hard' and 'soft' for greater social outcomes Katie Fletcher, Arup		
10:30 am – 11:00 am	Morning Tea and Trade Exhibition <i>Foyer & Meeting Rooms 3 – 5</i>		
	Ballroom 1	Ballroom 2	Meeting Room 6
11:00 am – 11:30 am	Managing Expectations and Outcomes on the Path to Successful Revegetation <u>Mark Woods</u> , NSW Roads and Maritime Services, <u>Wayne Walshe</u> , Pacific Complete	Ocean Plastic – The Pressures and Solutions That (almost) No-One is Talking About <u>Brad Dalrympe</u> , Ocean Protect	Waterways as Social Assets: Filling the Gap in Waterway Design Guidelines Katie Fletcher, <u>Teneale Jeffrey</u> , Tom (M) Brown, Marnina Tozer, Arup
5-minute room change			



	Ballroom 1	Ballroom 2	Meeting Room 6
11:35 am – 12:05 pm	Tathra Wildfire: Erosion Impact Assessment and Use of the Collector App to Guide Community Response David Thompson, NSW Soil Conservation Service	Looking Forward: Considering Climate Change and Variability in Managing the Great Barrier Reef Lisa Walpole, Alluvium Consulting, University of Queensland, Dr Wade Hadwen, Australian Rivers Institute, Griffith University, Tony Weber, Alluvium Consulting	ARR2016 vs ARR1987 Design Flow Estimation: Correlation with Anecdotal Evidence and Implications for Mitigation Measures Netsanet Shiferaw, Garry Lambourne, BMT
5-minute room change			
12:10 pm – 12:40 pm	Rain and A Muddy Footprint: Recipe for a Sleepless Night Sarah Wilson, Lendlease, IECA	Assessing the Impact of Urban Development and On-Site Stormwater Detention on Regional Hydrology Prof Hong Zhang, Rodney Ronalds, Griffith University	Rewards, Awards, Challenges & Trade-offs: The water Quality Offsets journey Ben Walker, E2Designlab
12:40 pm – 1:20 pm	Lunch and Trade Exhibition Foyer & Meeting Rooms 3 – 5		
1:20 pm – 1:50 pm	Enhancing the Ability of the Agricultural Landscape to Remove Nitrogen: Lessons Learnt Dr Mark Bayley, Damian McCann, Australian Wetlands Consulting	Adaptive Asset Management: A Pathway to Better Stormwater Management Ben Penhallurick, Dr Wade Hadwen, Renew Solutions Pty Ltd	Lessons Learnt from Constructing an Integrated Waterway Corridor Daniel Niven, Martin Roushani, Ryan Llewelyn, Premise
5-minute room change			



	Ballroom 1	Ballroom 2	Meeting Room 6
1:55 pm – 2:25 pm	Erosion and Dust Control - A Discussion Around Standards and Specifications <u>Daniel Grundy</u> , GRT	Co-Design: The Art of Connecting Community to Creek <u>Adrian Crocetti</u> , Glenn Browning, <i>Healthy Land and Water</i>	IECA Environmental Awards for Excellence Finalists Project Presentations TBA
5-minute room change			
	Ballroom 1	Ballroom 2	Meeting Room 6
2:30 pm – 3:00 pm	The Use of Ecotain (Plantago Lanceolata) to Reduce Water-Borne Pollutants in Amenity Areas <u>Dr Glenn Judson</u> , Dr Alan Stewart, <i>Pgg Wrightson Turf - Duraveg</i>	Sustainability in Bridge Construction <u>Amy-Lee Conroy</u> , <u>Hari Corliss</u> , <i>Lendlease</i>	Stormwater Queensland Awards for Excellence Finalists Project Presentations TBA
3:00 pm – 3:25 pm	Afternoon Tea and Trade Exhibition <i>Foyer & Meeting Rooms 3 – 5</i>		
Ballroom 1 & 2			
3:25 pm – 5:00 pm	Panel Discussion: Stormwater Management State Policy and Guidance – Current and Future Directions Facilitated by <u>Brad Dalrymple</u> Panellists: <u>Kyle Robson</u> , Topo <u>Paul Dubowski</u> , BMT <u>Jim Fewing</u> , Department of Environment and Science <u>Tony Weber</u> , Alluvium		
5:00 pm	Close of Day 1		
6:30 pm – 11:00 pm	Conference Dinner and Awards for Excellence Waterfront Terrace, Hilton Cairns <i>Pre-Dinner Drinks from 6:30pm, seated at 7pm</i>		

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Definitions

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CONFERENCE PROGRAM – THURSDAY, 3rd OCTOBER 2019

Meeting Room 6				
7:00 am – 8:00 am	IECA Annual General Meeting			
8:30 am – 9:00 am	Conference Registration – Tea and Coffee on Arrival <i>Foyer & Meeting Rooms 3 – 5</i>			
Ballroom 1 & 2				
9:00 am – 9:10 am	Welcome to Day 2			
9:10 am – 9:15 am	Plenary Address			
9:15 am – 10:00 am	Keynote Presentation: The Nature Of Reef Stressors <i>Dr Charlie Veron, Coral Reef Research</i>			
10:00 am – 10:30 am	Morning Tea and Trade Exhibition <i>Foyer & Meeting Rooms 3 – 5</i>			
	Ballroom 1	Ballroom 2	Meeting Room 6	
10:30 am – 11:00 am	Collaboration to the Rescue Phase 2 <i>John Gunn, Earth Environmental</i>	A Review of the Effectiveness of Catchment Scale Stormwater Management Strategy in Urbanised Cities <i>Niloo Tara, University of Queensland</i>	SHOTS SESSION: Let's Get Muddled: A Young Professionals Guide to Working on a Construction Site. <i>Shonelle Gleeson-Willey, Moss Environmental Pty Ltd</i>	
5-minute room change				
	Ballroom 1	Ballroom 2		
11:05am – 11:35 am	Soil Amelioration: The Effective Way <i>Paul Clarke, Brent Krogh, Jo Austin, Paul Clarke & Associates</i>	Implication of Urban Baseflow on Stormwater Management <i>Dylan Cain, Stephanie Brown, Dr Peter Breen, E2Designlab</i>		
5-minute room change				



	Ballroom 1	Ballroom 2	Meeting Room 6
11:40 am – 12:10 pm	Scientists, Innovation and The Community - An Urban Coastal Collaboration Fit for a Reef <u>Dr Lynne Powell</u> , Cairns Regional Council	Nutrients are not What They Seem: Dissolved Nutrient Composition of Urban Stormwater; Implications for Treatment and Ecological Health of Receiving Waterways <u>Aaron Wright</u> , Office of Environment and Heritage	The Goulburn Broken CMA's Innovative Water Control Room - Turning Data into Information and Knowledge <u>Brian Jackson</u> , Water Technology
5-minute room change			
	Ballroom 1	Ballroom 2	Meeting Room 6
12:15 pm – 12:45 pm	Erosion and Sediment Control and Urban Stormwater Capacity Building <u>Adrian Crocetti</u> , Healthy Land and Water	Probabilistic Categorisation of Storm Temporal Patterns for Runoff Modelling <u>Evan O'Brien</u> , <u>Andrew Barker</u> , CDM Smith	Rebuilding Soil Health Naturally Complimenting Soil Biology Providing a Long Term Self-Sustaining Outcome. <u>Peter Carmichael</u> , <u>Paul Storer</u> , <u>Hercules Strydom</u> , EnviroStraw Pty Ltd
12:45 pm – 1:30 pm	Lunch and Trade Exhibition Foyer & Meeting Rooms 3 – 5		
12:55 pm – 1:25 pm	Stormwater Queensland Annual General Meeting Meeting Room 6		
	Ballroom 1	Ballroom 2	Meeting Room 6
1:30 pm – 2:00 pm	Self-Cleaning Detention Basins - Serious Savings and a Lighter Hand on the Sediment Budget <u>Jason Cooper</u> , Wollongong City Council	Can Flood Models Inform Waterway Stability? <u>Rick Dennis</u> , Allan & Dennis	SHOTS SESSION: Exploring New Tools to Communicate Live Data and Encourage Community Participation in Stormwater Management <u>Dr Jason Holdsworth</u> , James Cook University, <u>Helen Cook</u> , Cairns Regional Council
5-minute room change			
	Ballroom 1	Ballroom 2	
2:05 pm – 2:35 pm	Benefits of Early Contractor Involvement in Stormwater Project Delivery where Environmental Performance Determines the Contractor. <u>Simon Cathcart</u> , Heb Construction Ltd	Combining Stormwater Treatment and Frog Conservation Objectives in a Wetland within an Industrial Catchment <u>Angela Ganley</u> , Hume City Council	



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2:35 pm – 3:05pm	Afternoon Tea and Trade Exhibition <i>Foyer & Meeting Rooms 3 – 5</i>	
	Ballroom 1	Ballroom 2
3:05 pm – 4:05 pm	SHOTS SESSION: Getting Your Floc On <i>Michael Frankcombe, Emm Consulting</i>	SHOTS SESSION: Flood Forecasting – Evolution Beyond the Flood Gauge <i>Adam Berry, Synergy Solutions, Sophia Buchanan, Innovyze</i>
5-minute room change		
Ballroom 1		
4:10 pm – 4:30 pm	Conference Wrap Up, Acknowledgements and Exhibitor Passport Prizes	
4:30 pm	Close of Conference	

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