

Sunday 27th July 2014

TIME	VENUE	SESSION
3:00 am - 5:00pm	Rydges - Foyer	Registration
5:30pm - 7:30pm	Townsville Aquarium	Welcome Drinks

DAY 1 - Monday 28th July 2014

TIME	ROOM	SESSION
8:00 am - 5:00pm	Rydges - Foyer	Registration
9:00 - 9:10am	Raffles	Opening
9:10 - 9:25am	Raffles	Welcome to Country
9:25 - 9:40am	Raffles	Welcome to Townsville
9:40 - 11:00am	Raffles	Keynote speakers: Donna-marie Audas and Bob Katter

TIME	C1 HABITAT AND FLOWS	C2 ENVIRONMENTAL WATER AND WORKS AND MEASURES	C3 MONITORING AND EVALUATION
	Room - Raffles	Room - Kingston	Room - Savoy
11:30am - 1:10pm	Nick Marsh Big data concepts for natural resource management	Harriet Moore The problem of river restoration persistence	Fiona Dyer Waterwatch data quality: an opportunity to augment professionally collected data sets
	Andrew O'Neill Water(way) sensitive urban design – a model for reef protection and community wellbeing	Christine Lauchlan Arrowsmith Salinity, water level, and flow considerations for assessing environmental water requirements of the lower Latrobe River	Ian Wright Water quality and ecological impacts of treated sewage effluent on a peri-urban stream
	Jason Lange Turf selection will save you more than just 13 Sundays per year	Iwona Conlan Linking science and resource management: implementing an adaptive management framework with the use of environmental water	Leigh Stitz Adopting and adapting macroinvertebrate measures for health assessments of ephemeral freshwater systems: A review
	Siwan Lovett Getting 'Finterested' to share knowledge and bring back native fish	Ivars Reinfelds Natural flow scaling: a paradigm shift in environmental flow development for rivers subject to large inter-basin water transfers	Mick Smith Developing a results-based monitoring and evaluation program for southeast Queensland's waterways
	Steve Burgess Frogs – weapons of mass reconstruction in the mary river catchment	Anna Zsoldos The Waterways Health Investment Planning (WHIP) system	
1:10pm - 2:00pm	LUNCH - Foyer		

DAY 1 - Monday 28th July 2014

TIME	C4 PROTECTING THE GREAT BARRIER REEF	C5 HABITAT AND FLOWS	C6 MINING IMPACTS ON WATERWAYS AND FLOW
	Room - Raffles	Room - Kingston	Room - Savoy
2:00pm - 3:20pm	Andrew Brooks The importance of managing riparian zones for saving the Great Barrier Reef	Anne Henderson Tracking waterhole persistence in dry tropical rivers	Julian Martin Implications for river management on the Loddon River at Newstead long after the cessation of mining activities
	Jason Vains Developing a framework to identify priority hydrological connections to the Great Barrier Reef World Heritage area	Samantha Oyston Cutting back, down, back and out: assessment of channel erosion in a sensitive floodplain wetland	Karen White Design evolution of watercourse diversions in Central Queensland coal mines
	John Spencer Sediment sources to the Great Barrier Reef – what if the coastal zone is a major sediment source rather than a sink?	Nathan Waltham Water quality and fish refugia in riverine waterholes in northern Queensland potentially subject to irrigation development	Dean Judd A review of the effect of floodplain gravel mining on river stability
	Scott Fry Restoring Coastal Ecosystems for the Great Barrier Reef and the RAMSAR Wetlands of Bowling Green Bay	Geoff Vietz Environmental flows influence physical habitat, but not always as we expect	Lisa Duncan Designing an assessment method for stream discharge of produced water from coal seam gas projects
3:20 - 3:45pm	AFTERNOON TEA - Foyer		
TIME	C7 INSTREAM AND RIPARIAN MANAGEMENT	C8 URBAN WATERWAYS	C9 POLICIES AND PRIORITIES
	Room - Raffles	Room - Kingston	Room - Savoy
3:45pm - 4:45pm	Kirstie Fryirs How can the regeneration of vegetation from riparian seed banks support river rehabilitation in degraded ecosystems?	Chiara Grella Investigating the link between riparian weed invasion and catchment urbanisation	Sandra Brizga Environmental planning and geomorphological processes in Australian rivers
	Nina Saxton Effect of riparian vegetation on channel complexity and nutrient processing in a subtropical catchment in Queensland, Australia	Katie Shield Why has the invasive freshwater gastropods, <i>Physa acuta</i> and <i>Potamopyrgus antipodarum</i> spread into urban streams but not reference streams in naturally vegetated catchments?	Nicole Ashby Adaptive management of temperate highland peat swamps on sandstone in the Blue Mountains: Is it occurring?
	Thomas Hubble Geomechanical modeling of the Murray's millenium drought river bank failures: a case of the unexpected consequences of slow drawdown, soft bank materials and anthropogenic changes	Arezou Houshamnd Improving urban stream condition by redirecting sediments: A review of associated contaminants	Gary Brierley Fashioning river futures: The use of evolutionary trajectories to assess what is realistically achievable
4:45pm - 5:00pm	Speed dating instructions		
5:00pm - 6:30pm	Speed dating sessions		

DAY 2 - Tuesday 29th July 2014

TIME	ROOM	SESSION	
8:30 - 9:00 am	Raffles	Housekeeping	
8:40am - 10:00am	Raffles	Keynote speakers: Adam Bester, Mike Winer	
TIME	C10 GREEN AND BROWN: ALIGNING ENVIRONMENTAL AND ECONOMIC OUTCOMES	C11 NUTRIENT OFFSETS	C12 INSTREAM AND RIPARIAN MANAGEMENT
	Room - Raffles	Room - Kingston	Room - Savoy
10:00am - 11:00am	Ian Rutherford When to let the river erode	Julian O'Mara The use of nutrient offsets to optimise investment from water utilities to deliver water quality improvements and catchment outcomes: (a) the determination of soil loss avoided through riparian restoration	Andrew Simon Channel and bank stability of the Burnett River in aftermath of 2011 and 2013 floods
	Scott Wilkinson Fat cows improve water quality: the benefits of higher forage levels in Great Barrier Reef rangelands	Cameron Jackson The use of nutrient offsets to optimise investment from water utilities to deliver water quality improvements and catchment outcomes: (b) the estimation of nutrient loss avoided in river restoration	Elyssa De Carli Morphological characteristics of riverbank failure on the lower River Murray, South Australia
	Patrick Driver Determination of low flow requirements for an upland Murray-Darling Basin River; the Belubula River	Beth Clouston The use of nutrient offsets to optimise investment from water utilities to deliver water quality improvements and catchment outcomes: (c) lessons, opportunities and barriers	Fabio Iwashita Characterizing root architecture of riparian vegetation for assessing bank erosion potential in Queensland rivers: a stochastic framework for incorporating field and LIDAR data
11-11:30am	MORNING TEA - Foyer		
TIME	C13 MONITORING AND EVALUATION	C14 INSTREAM AND RIPARIAN MANAGEMNET	C15 INSTREAM AND RIPARIAN MANAGEMENT
	Room - Raffles	Room - Kingston	Room - Savoy
11:30am - 12:50pm	Lori Gould Looking at long term riparian rehabilitation outcomes: Boorowa River recovery project IWRM evaluation	Marcus Bulstrode Evaluating the negative impacts of agricultural weed control on riparian vegetation condition in Australia's Wet Tropics region	Siwan Lovett Rivers of carbon = Rivers of life
	Paul Wilson Collecting 29,000km of river condition data using LIDAR and aerial photography	Christina Day Factors influencing deoxygenation following whole of water body Cabomba weed dieback in a natural wetland in Blue Mountains, NSW	Misko Ivezich The use of geospatial and hydro-geomorphic analyses to prioritise stream restoration at the catchment scale
	Arishma Ram Land use and erosion risk in small forest catchments on the Coral Coast of Fiji: baseline estimates of sediment inputs to coastal lagoons	Rhiannon Hughes The shifting sands of Stockyard Creek: the geomorphic response to large wood reintroduction in a sand-bed stream	Mary Claire Sheridan Incineration as a control method to manage Tiger Pear (<i>Opuntia aurantiaca</i>)
	Mike Saynor Downstream changes in river reaches from the catchment to the sea in the East Alligator River basin, northern Australia	Joanne Kearns Monitoring change in fish population size in response to large scale habitat rehabilitation: the Murray River resnagging experiment	Kirstie Fryirs Developing a model of upland swamp structure, function and evolution for biodiversity conservation and rehabilitation: The case of threatened temperate highland peat swamps on sandstone (THPSS)
		C14B FLOODS AND FLOODPLAINS	
12:50am - 1:10pm	Andrew Sharpe From scouring reeds to cleaning cobbles: adaptive management of environmental water in action	Jane Roberts Time and Predictability: key factors in the recovery of Murrumbidgee Swamp, a distinctive linear mound-channel wetland	Michael Cheetham Waterways and gully stabilisation in vertisol soils: dry creek, Condamine catchment, QLD
1:10-1:30pm	LUNCH		

DAY 2 - Tuesday 29th July 2014

TIME	SESSION
1:30pm - 5:00pm	Field Trip 1: Fish passage: Leader - Jason Carter
1:30pm - 5:00pm	Field Trip 2: Sediment reduction program: Leader - Damian Burrows
2:00pm - 5:00pm	Urban waterway workshop: Leader - Geoff Vietz
6:30pm - 10:30pm	CONFERENCE DINNER

DAY 3 - Wednesday 30th July 2014

TIME	C16 COMMUNITIES AND RIVERS	C17 FLOODS AND FLOODPLAINS	C18 CATCHMENT IMPACTS ON ESTUARIES AND COASTS
	Room - Raffles	Room - Kingston	Room - Savoy
8:30am - 10:10am	Elisha Teo The evolution of Corryong/Nariel Creek since European settlement: implications for ongoing management prioritisation	James Grove Please release me, let me go: an approach to determining the effects of dam operations on riverbank erosion	Wayne Erskine Suspended sediment discontinuities along Magela Creek, northern Australia
	Leane Makey A catchment-estuary operational framework that connects ecosystem-based and indigenous management: Experiences from the Kaipara Harbour, New Zealand	Philip Marren The impact of dams on floodplain geomorphology: are there any, should we care, and what should we do about it?	Sarah McSweeney Classification of intermittently closed and open coastal lakes and lagoons in Victoria, Australia
	James Maund Creek Link: A citizen science mapping tool	Misko Ivezich Channel change in Blackfellow Creek, Lockyer Valley	Rebecca Bartley From coral to cows: using ecosystem processes to inform catchment management of the Great Barrier Reef
	Rohini Prasad Devkota Community-based climate change induced flood adaptation strategies in Nepal	Patrick Driver Rapid appraisal of groundcover plant diversity and red gum health for the management of Murry-Darling Basin Wetlands	Michelle Dickson Balancing a productive catchment while protecting an important ecosystem: lessons from Corner Inlet water quality improvement program
	Robyn Watts Stakeholder engagement and adaptive governance in the monitoring, evaluation and adaptive management of environmental watering in the Edward-Wakool system	Chris Thompson Potential geomorphic impacts of anthropogenically-enhanced levees in southeast Queensland	
10:10am - 10:40am	MORNING TEA - Foyer		

DAY 3 - Wednesday 30th July 2014

TIME	C19 MINING IMPACTS ON WATERWAYS AND FLOW	C20 MANAGING FOR FISH AND OTHER BIOTA	C21 MONITORING AND EVALUATION
	Room - Raffles	Room - Kingston	Room - Savoy
10:40am - 11:40am	<p>Ian Wright The assessment of impacts from mining wastes on water quality and aquatic ecosystems using freshwater macroinvertebrate communities and novel bioassay tests</p> <p>Wayne Erskine River management on a reach basis highlights lagged channel responses to multiple channel disturbances: Yea River and Murrindindi Rivers, Victoria</p> <p>Ian Wright Impact of a coalmine waste discharge on water quality and aquatic ecosystems in the Blue Mountains World Heritage Area</p>	<p>Dan Borg Evaluation the effectiveness of the Dwights Falls fishway in the Yarra River, Melbourne, Australia</p> <p>Greg Fletcher Trialling carp pod traps in the Wimmera, Victoria</p> <p>Anthony Ladson An environmentally sensitive erosion control technique in the Mekong River delta: 10 years on</p>	<p>Carl Tippler Does seasonality influence freshwater macroinvertebrate communities in the temperate paradise of Sydney basin?</p> <p>Andrew Sharpe Collaborating to deliver better monitoring outcomes: lessons learned from the Victorian environmental flows monitoring program</p> <p>Stuart Naylor Simple & consistent: measuring the metrics that matter in riparian management for water quality</p>
	C19B WATER QUALITY		
11:40am - 12:00pm	<p>Amy St Lawrence Bifenthrin pesticide contamination: impacts and recovery at Jamison Creek, Wentworth Falls</p>	<p>Sally Maxwell Evidence-based water allocation in intermittent Mediterranean streams using macroinvertebrate community response curves exhibiting threshold behaviour</p>	<p>James Kaye Do native fish need healthy riparian vegetation? An assessment of 1,000km of the Billabong, Yanco and Columbo Creeks, NSW</p>
12-1:00pm	LUNCH		
TIME	C22 MONITORING AND EVALUATION	C23 INSTREAM AND RIPARIAN MANAGEMENT	C24 URBAN WATERWAYS
	Room - Raffles	Room - Kingston	Room - Savoy
1:00pm - 2:00pm	<p>Aaron Hawdon Always let the facts get in the way of a good story: using multi-scale data sets to detect the impact of grazing land management on runoff and erosion in the Burdekin catchment</p> <p>Ian Fuller Monitoring change in river condition in response to river engineering: developing an index of natural character to maintain river habitat</p> <p>Ben Berry Compiling 40,000 photos of a River Murray works program into a useable and accessible format</p>	<p>Elisa Zavadil The role of strategic vegetation establishment in the management of disturbed coarse-grained river systems</p> <p>James Grove Making a difference: examples of the use of repeat LiDAR datasets to guide river management decisions following extreme floods.</p> <p>Justin Stout How long will it take desnagged streams to recover a natural load of wood?</p>	<p>Geoff Vietz The unaccounted costs of conventional urban development: protecting stream systems in an age of urban sprawl</p> <p>Barnaby Resch Logan City Council's A.B.C: A holistic, triple bottom line framework to drive investment in waterway recovery in Logan City</p>
	C22B INSTREAM AND RIPARIAN MANAGEMENT		C24B INSTREAM AND RIPARIAN MANAGEMENT
2:00pm - 2:20pm	<p>Hugo Bowman Lessons from the largest river works program in Australia; refining erosion-control construction techniques to maintain healthy working rivers</p>		<p>Chris Dwyer Using a risk minimisation approach to flood recovery in the Murrumbidgee River catchment</p>
2:20pm - 2:45pm	AFTERNOON TEA - Foyer		
2:45pm - 3:15pm	Keynote speaker: Kelly O'Shanassy		
3:25pm - 4:00pm	Speed dating feedback and close		