



Queensland Coastal Conference 2013 Program

Wednesday 2 October 2013

7.30 am	Registration open		
Plenary – Raffles Room			
8.30 am	Introduction – Greg Stuart on behalf of the Queensland Coastal Conference 2013 organising committee		
8.40 am	Welcome to Country – Mrs Angie Akee - Bindal Traditional Owner Group representative		
8.50 am	Conference Opening – Cr Jenny Hill - Mayor of the City of Townsville		
9.00 am	Keynote 1 Senator Larissa Waters - Australian Greens Senator for Queensland		
9.45 am	Keynote 2 Greg Bruce - Executive Manager Integrated Sustainability Services/Townsville City Council – “Townsville Smart City Solar City – from Creek to Coral: a fundamental transformation in the way business and citizen engagement is conducted to create effective, city-wide sustainability and coastal zone management”		
10.30 am	Morning tea		
11.00 am	Keynote 3 Dr Russell Reichelt – Great Barrier Reef Marine Park Authority (GBRMPA)		
11.30 am	Keynote 4 Richard Brinkman – Australian Institute of Marine Science (AIMS) “Coastal oceanography: critical knowledge for sustainable development”		
12.00 pm	Keynote 5 Jon Brodie - TropWATER (Centre for Tropical Water and Aquatic Ecosystem Research, James Cook University)		
12.30pm	Lunch		
Topic	Local Gov and Community	Helping Reef from Land	Knowing and Learning
Room	Kingston	Raffles	Savoy
1.20 pm	Andrew O'Neill Using collaboration to reduce urban impacts on the Reef	Amelie Auge Coastal development in the Great Barrier Reef coastal zone: Using scenarios for conservation planning	Bill Carter The Status of Monitoring and Evaluation in Coastal Australia
1.40 pm	Ella Horton Kirra Beach Dune Regeneration Works: Large scale vegetation of artificially created coastal dunes	Dominique O'Brien Pesticides in Great Barrier Reef waters	Dave Anning Valuing beach and surf tourism and recreation in Australian sea change communities
2.00 pm	Kim Badcock Strategy for Engaging the Community in a Post-Cyclone Era - 'the lazy person's guide'	Greg Stuart eReefs: Monitoring and modelling water quality in the Great Barrier Reef	Kieran Harper Tropical Cyclone Oswald - Coastal Monitoring

2.20 pm	Kurt Davis Cairns Marine Plant Management Strategy process and update	Jason Vains Developing a 'whole of landscape approach' to managing the Great Barrier Reef World Heritage Area	Saeed Shaeri The Importance of Accurate Prediction of Tidal-Induced Water Level Variations in Small Tidal Inlets
2.40 pm	Terry Done Changes in coral cover at Great Barrier Reef dive sites 2001 – 2011: more ups than downs	Amelia Wenger A decision-making tool for prioritising management actions on islands in the southern Great Barrier Reef	Leslie Mallinson A review of plastic resin pellet distribution throughout Australia and mitigation methods for reducing spill-over into the marine environment
3.00 pm	Afternoon tea		
Topic	Barriers and Opportunities	Coastal Hazard Management	Knowing and Learning
Room	Kingston	Raffles	Savoy
3.30 pm	Allan Dale A risk analysis across the Great Barrier Reef governance system	Sel Sultmann & Mark Allen The way forward in adapting to coastal hazards in Queensland	John Maher Gulf of Carpentaria Storm Tide and Inundation Study
3.50 pm	Allan Dale Integrated catchment-to-coast planning: using social network analysis to untangle connections in the governance of natural resource management	Jennifer Roughan Coastal hazards: the land use and development policy response	Angus Jackson Adaptable Design in Response to Uncertainty: A Noosa River Case Study
4.10 pm	Mark Gibbs Barriers to Sea level Rise Adaptation: Asset Anchoring	Peter Gibson Managing Coastal Hazards in the Burdekin Dry Tropics	Marina Farr Taking a closer look at Boating, Fishing and Fish in the GBR
4.30 pm	Anthony Richardson Irukandji blooms are predictable	Chris Lane Managing the impacts of major environmental events and natural hazards	Shannon van Nunen Coastal Community Engagement: Achieving more than ever before working alongside 14 community groups
4.50 pm	Alana Grech Guiding principles for the improved governance of port and shipping impacts in the Great Barrier Reef	Kane Nielsen Maximum Storm Tide Level Recorders Pilot Project	Kay Critchell Abundance, distribution and movement of marine debris in the Southern Great Barrier Reef (Winner of the best student presentation)
5.10 pm	Day close		

See us at: <http://www.qldcoastalconference.org.au>

Thursday 3 October 2013

8.30 am	Registration open		
9.00 am	Workshops and Symposium		
Room	Savoy	Kingston	Raffles
	<p>Workshop 1: Regional Local Government Collaboration in Natural Resource (Environmental) Management and 'The Handbook' Facilitated by Steve Wilson - Hunter Central Coast Regional Environmental Management Strategy (HCCREMS)</p> <p>1. Introduction to the HCCREMS model including purpose, structure, achievements and challenges. Workshop Part 1 Identifying: issues; regional scales for addressing issues; actions for regional delivery and key partners. Part 2 Identifying key steps to be taken post conference to progress a regional approach to issues.</p>	<p>Workshop 2: From Collective Learning to Local Action - An Introduction to CSL* workshops Facilitated by Greg Bruce and Integrated Sustainability Services (ISS - Townsville City Council)</p> <p>CSL is a recognized transformative practice originally created by Professor Valerie Brown and her research teams and is based on Kolb's individual or experiential Learning Cycle.</p>	<p>Symposium: Research to support the Strategic Assessment of the Great Barrier Reef Welcome: Carolyn Cameron (DSEWPaC)</p> <p>1. GBRWHA Outstanding Universal Values</p> <ul style="list-style-type: none"> Jane Ambrose (DSEWPaC) <p>Questions and Answers</p> <p>2. Ports, Shipping, Dredging</p> <ul style="list-style-type: none"> Rean Gilbert (GBRMPA) Carolyn Cameron (DSEWPaC) <p>Questions and Answers</p>
10.40 am	Morning tea		
11.00 am	<p>2. Decision Support for Coastal Adaptation: The Handbook</p> <p>Overview of the Handbook - context, development process, purpose, key elements.</p> <p>Workshop -</p> <ul style="list-style-type: none"> Setting the Objective, Filtering potential management options, Mapping adaptation pathways, and Thresholds and Triggers 	<p>The process and practice of CSL is a functional way of holding powerful and actionable conversations and is scalable to most group sizes.</p> <p>* CSL is collective social learning as developed by Prof. Valerie Brown (Fenner School of Environment and Society, ANU)</p>	<p>3. Coastal Management, Cumulative Impacts and Integrated Monitoring</p> <ul style="list-style-type: none"> Jason Vains (GBRMPA) Ken Anthony (AIMS) Dr Fergus Molloy (GBRMPA) <p>Questions and Answers</p> <p>4. GBR Economic Contribution</p> <ul style="list-style-type: none"> Dr Margaret Gooch (GBRMPA) <p>Questions and Answers Reflections session</p>
12.30 pm	Lunch/Field Trips		

Note: DSEWPaC is the Australian Government Department of Sustainability, Environment, Water, Population and Community. GBRMPA is the Great Barrier Reef Marine Park Authority

Thursday 3 October 2013

12.30/1.15 pm	Field trips
Field Trip 1 Creek to Coral Learnsapes 12.45 pm – 5.30 pm	Creek to Coral coastal catchments tour (this tour has Advanced Ecotourism* certification from ecoTOURISM Australia) to sites where Townsville City Council and community have been working together - Starting at Castle Hill with a view of Townsville's coastal catchments, Magnetic Island and the Great Barrier Reef lagoon (Cleveland Bay) and Solar City/Smart City landmarks. The tour will then pass by The Lakes on the way to Louisa Creek to look at urban stream restoration works and then to Mundy Creek to look at a local community environment/art/social inclusion project. The tour will conclude with a visit to the 'greater' Townsville Town Common which includes the Rowes Bay Sustainability Centre and wetlands and the Rowes Bay to Pallarenda foreshore. (Hosted by Townsville City Council - Integrated Sustainability Services (ISS) and Creek to Coral) Cost: \$0
Field Trip 2 Port & Reef 1.15 pm – 4.30 pm	A tour of the Port of Townsville followed by a visit to ReefHQ (Hosted by Port of Townsville Ltd and GBRMPA) Cost: \$30 (Reef HQ entry and bus)
Field Trip 3 Magnetic Island 12.30 pm – 6.00 pm	Magnetic Island – Dynamic environment/groups/people The field trip to Magnetic Island will include: <ul style="list-style-type: none"> • Horseshoe Bay to see and experience: <ul style="list-style-type: none"> ○ the wetland walk on the way to the old STP site being managed by TCC as part of an environmental reserve plus the turtle hospital ○ Solar City learnscape ○ The new Horseshoe Bay STP and Rainforest Garden – recycling water • Alma Bay/Geoffrey Bay commentary and catchment tour –foreshore management, habitat management and waterway management Petersen Creek and Alma Creek; • To Picnic Bay mentioning projects as we go e.g. turtle habitat protection measures and SEVT (vine scrub) – afternoon tea at Picnic Bay foreshore park • Back to Gustav Creek and Nelly Bay foreshore (esplanade park) to have a discussion about the impact of coastal development with regard to Nelly Bay and Gustav Creek. (Hosted by Creek to Coral and Magnetic Island community) Cost \$50 (ferry and bus)
Field Trip 4 Cungulla 12.40 pm – 5.30 pm	Cungulla Shoreline Erosion Management Plan (SEMP) A field trip to Townsville's most easterly coastal community, Cungulla, to look at the environmental values, social impacts and proposed remedies. (Hosted and sponsored by NQ Dry Tropics) Cost: \$0
7 pm	Conference dinner – Rydges Raffles Room
	Guest Speaker - Bruce Thom OA "LOSING LAND TO THE SEA: KING CANUTE FAILS AGAIN" Jon Brodie was presented with the inaugural Queensland Coastal Conference award for his <i>Outstanding Contribution to Coastal Management</i>
12 am	Close

* **Advanced Ecotourism:** Australia's leading and most innovative ecotourism products, providing an opportunity to learn about the environment with an operator who is committed to achieving best practice when using resources wisely, contributing to the conservation of the environment and helping local communities.

Friday 4 October 2013

8.30 am	Registration open		
Plenary - Raffles Room			
9.00 am	Keynote 6 Nick Harvey – Australian Coastal Society “Coastal policy in a climate of governmental change”		
9.40 am	Keynote 7 Angus Jackson – ICM (Integrated Coastal Management) “Coastal management in uncertain times requires vision not computers”		
10.10 am	Keynote 8 Melinda Loudon - Port of Townsville Ltd		
10.30 am	Rapid fire Poster Presentations: 1. Joel Hayes (BeachCare Coordinator – Griffith Centre for Coastal Management) 2. Ruth Kamrowski (James Cook University) 3. Jenna Brown (University of the Sunshine Coast) (Winner of the best student poster presentation) 4. Colin Wen (James Cook University) 5. John Gunn (Earth Environmental for Creek to Coral) Virtual poster		
11.00 am	Morning tea		
Topic	Barriers and Opportunities	Local Gov and Community	Knowing and Learning
Room	Savoy	Kingston	Raffles
11.30 am	Joel Bolzenius Seagrass Friendly Moorings - Repairing Marine Habitats through engaging the boating community	Kayleigh Mast Yakety-yak: yACS has become a breeding ground for tomorrow's coastal leaders (Winner of the best community presentation)	Sharon Tickell Catchment to coast information integration: a South-east Queensland example with national application
11.50 pm	Daniel Ware Littoral Drift – evolution of institutions for managing the long shore transport of sand across the NSW/Queensland Border (Winner of the most inspiring presentation)	Chris Manning Improving urban stormwater quality management in the Coastal Dry Tropics: a Townsville perspective	Emily Saeck A vision towards resilient coral reefs successfully adapting to climate change: the Great Barrier Reef Foundation
12.10 pm	Jenna Bishop Persevering to preserve a Ramsar wetland: Shoalwater and Corio Bays	John Gunn Creek to Coral's Adaptive Reef Rescue with Community	Simon Baltais Citizen Science – 10 years of Seagrass and Mangrove monitoring by the community has it delivered any benefits?
12.30 pm	Lunch		
Topic	Barriers and Opportunities	Helping the Reef from Land	Knowing and Learning
Room	Raffles	Kingston	Savoy
1.30 pm	Melissa Bos Innovative and Strategic Finance for the Great Barrier Reef	Jennifer DeBose The use of constructed wetlands and sumps as mitigation strategies for agricultural run-off	
1.50 pm	Matt Curnock Insights into the Human Dimension of the Great Barrier Reef	Kathryn Berry Coal Pollution in the Marine Environment: a risk to the Great Barrier Reef?	
2.10 pm	Heather Zeppel Local Planning for Climate Adaptation in Coastal Queensland	Eric Wolanski Estuaries of Australia in 2050 and beyond	

Plenary - Raffles Room	
2.30 pm	<p>Workshop feedback:</p> <p>1 Andrew O'Neill (Water by Design) on Collective Learning to Local Action CSL workshop including the dancing bear</p> <p>2 Chris Manning (Townsville City Council) on the Hunter Central Coast Regional Environmental Management Strategy (HCCREMS) and the Handbook. See the HCCREMS website http://www.hccrems.com.au/Home.aspx</p> <p>3 Annie Keys (DSEWPaC) on Research to support the Strategic Assessment of the Great Barrier Reef and see the websites for all the reports and a pile of other information http://www.environment.gov.au/epbc/notices/assessments/great-barrier-reef.html or http://www.dsdp.qld.gov.au/gbr-strategic-assessment/ or http://www.gbrmpa.gov.au/outlook-for-the-reef/strategic-assessment</p>
3.00 pm	<p>Presentations:</p> <p><i>Most inspiring presentation</i> - Dan Ware <i>Best community presentation</i> - Kayleigh Mast <i>Best student presentation</i> - Kay Critchell <i>Best student poster presentation</i> Jenna Brown <i>Outstanding Contribution to Coastal Management</i> - Jon Brodie</p> <p>Thank you to all our sponsors:</p> <ul style="list-style-type: none"> ▪ GBRMPA - Great Barrier Reef Marine Park Authority ▪ EHP - Department of Environment and Heritage Protection ▪ AIMS - Australian Institute of Marine Science ▪ BOM - Bureau of Meteorology ▪ NQ Dry Tropics ▪ Earth Environmental (John Gunn) ▪ CSIRO <p>Thank you from the organising committee for making the conference a success and thank you to the 2013 Queensland Coastal Conference organising committee for the exceptional work to stage the conference without engaging a 'professional' event organiser.</p> <p>The Queensland Coastal Conference 2013 organising committee is:</p> <ul style="list-style-type: none"> • Chair Greg Stuart, Australian Coastal Society (ACS) • Deputy Chair John Gunn, ACS/Earth Environmental/Creek to Coral • Treasurer and Secretary Peta Leahy (Williams), ACS/Griffith University • Beth Clouston, Department of Environment and Heritage Protection (EHP) • Darryl Ebenezer, Qld Water and Land Carers (QWLC) • Dorean Erhart, Local Government Association of Queensland (LGAQ) • Chris Manning, Townsville City Council (TCC) • Ann Penny, James Cook University (JCU) • Sue Sargent, Burnett Mary Regional Group (BMRG) • Neil Tindale, University of the Sunshine Coast (USC) • Derek Todd, Griffith University (and EHP) • Jason Vains, Great Barrier Reef Marine Park Authority (GBRMPA) • Kylie Wells, Australian Government
3.30 pm	Conference close

Thank you to our 2013 sponsors

Silver Sponsor

Great Barrier Reef Marine Park Authority (GBRMPA) www.gbrmpa.gov.au



Australian Government
Great Barrier Reef
Marine Park Authority

We manage one of the world's best known natural icons – the Great Barrier Reef Marine Park – to ensure this great natural wonder is protected for the future.

Our work is guided by the *Great Barrier Reef Marine Park Act 1975*, Corporate Plan, Australian Government policies, Portfolio Budget Statement, Outlook Report and government priorities.

We use the best available scientific information to guide us, engage with experts and the community, and have a strong focus on stewardship. Out on the water, field management and enforcement of zoning rules is carried out with Queensland and Australian government agencies on our behalf.

We provide a number of other services to protect and manage the Reef. We've also undertaken a strategic assessment of the Great Barrier Reef Marine Park World Heritage Area. There are two parts to the comprehensive strategic assessment: we've undertaken the marine component, with the Queensland Government leading the coastal component.

Silver Sponsor

The Department of Environment and Heritage Protection (EHP) is responsible for managing the health of the environment to protect Queensland's unique ecosystems and built heritage.



Queensland
Government

The department's role is to act as a strong environmental regulator supporting the long-term sustainable economic development of Queensland. It does this by administering a range of environmental regulations and laws, providing timely approval authorities and ensuring compliance with them.

EHP provides policy direction and guidance for the management of the coastal environment through the *Coastal Protection and Management Act 1995*. EHP is committed to the management of the coastal environment, including coastal hazard management, as exemplified by the preparation of the Townsville Coastal Hazard Adaptation Strategy pilot project. The project was undertaken in partnership with the Local Government Association of Queensland and Townsville City Council and won the 2013 Engineering Excellence Awards for Reports, Procedures and Systems.

Further information is available at: www.ehp.qld.gov.au

Concurrent Session Sponsor

Australian Institute of Marine Science (AIMS)
The Australian Institute of Marine Science (AIMS) is a leader in tropical marine science.

The Institute is consistently ranked among the

Concurrent Session Sponsor



top one per cent of specialist research institutions internationally and is known for its unique capacity to investigate topics from broad-scale ecology to microbiology.

AIMS is committed to the protection and sustainable use of Australia's marine resources. Its research programs support the management of tropical marine environments around the world, with a primary focus on the Great Barrier Reef World Heritage Area, the pristine Ningaloo Marine Park in Western Australia and northwest Australia. (<http://www.aims.gov.au/docs/about/about.html>)

Plenary Session Sponsor
Bureau of Meteorology (BOM)



Australian Government

Bureau of Meteorology

Field Trips Sponsor

NQ Dry Tropics

NQ Dry Tropics is the leading natural resource management body for the Burdekin Dry Tropics region in North Queensland. We're a not-for-profit private company that is committed to sustaining our region's resources for current and future generations. We work across an area of approximately 146,000 square kilometres, including eight coastal catchments across three river basins, with a population of about 240,000 residents. The majority of those people live in Townsville (over 180,000) and other rural centres such as Charters Towers, Ayr, Home Hill, Bowen, the lower Burdekin towns, Collinsville, as well as the Alpha and Clermont districts.

PO Box 1466
Townsville QLD 4810
Ph: 07 4724 3544 / Fax: 07 4724 3577
Website: www.nqdrytropics.com.au

Additional Field Trip Sponsors

- Creek to Coral/Integrated Sustainability Services (Townsville City Council);
- Great Barrier Reef Marine Park Authority and the Port of Townsville Limited;
- Magnetic Island community.

Community Relations Sponsor

Earth Environmental

Earth Environmental is a specialty natural resource management and sustainability consultancy that works on making a difference by nurturing systemic and collaborative arrangements to catalyse positive environmental and social transformations. Earth Environmental has worked alongside Creek to Coral since its launch in 2003 and continues to work with and support Townsville's natural resource management community.

PO Box 802

Mackay QLD 4740

Ph: 0413 019 359

Email: earth@mackay.net.au



Pen and Name Badge Sponsor

CSIRO



CSIRO, the Commonwealth Scientific and Industrial Research Organisation, is Australia's national science agency and one of the largest and most diverse research agencies in the world. (<http://www.csiro.au/>)

Indigenous Community Sponsor

Creek to Coral (Townsville City Council) "Increasing community engagement in Townsville coastal catchments for Biodiversity" project funded through the Australian Government's Caring for our Country program.



CARING
FOR
OUR
COUNTRY

Thank you to our 2013 exhibitors

Australian Coastal Society (ACS)

The Australian Coastal Society promotes knowledge and understanding of the Australian coast and provides a forum for the exchange of ideas to promote the protection and conservation of sites of environmental and cultural significance on the coast and in coastal waters.

Find out more at <http://australiancoastalsociety.org/>



Griffith Centre for Coastal Management (GCCM)

The GCCM is based in the Science, Environment, Engineering and Technology Group of Griffith University on the Gold Coast.



Centre for Coastal Management

In partnership with Gold Coast City Council our objective has been to develop broad research and training agendas for coastal management. The Centre is also committed to the local community in relation to coastal decision making through the CoastEd and BeachCare programs.

Find out more at www.griffith.edu.au/coastal-management.

Gecko Regen

Gecko Regen is an environmental management company situated on the Gold Coast, Queensland.

We operate a native plant nursery and provide environmental services such as natural area regeneration, revegetation and environmental management solutions at many levels, from ideas or assistance with documentation to complete project management (planning, development, and implementation).

Find out more at <http://www.geckoregen.org.au/>



CoastalCOMS

CoastalCOMS was incorporated to undertake the development and commercialisation of the technology developed by Coastalwatch to provide automated real time observation and data services for environmental monitoring.



CoastalCOMS products focus on safety, workflows, data analytics, data management and hazard identification combined with camera infrastructure.

Find out more at <http://www.coastalcoms.com/>

Conservation Volunteers Australia (CVA)

Conservation Volunteers Australia has partnered with individuals, businesses and governments in the conservation of our unique environment since 1982. In that time we have welcomed hundreds of thousands of volunteers from around Australia and across the world and supported their participation in a diversity of important projects to protect and enhance our environment.



Conference host

Townsville City Council and Creek to Coral

