

Australian Mangrove and Saltmarsh Conference – Hobart 2017

Programme

Annual Conference of Australian Mangrove and Saltmarsh Network – Hobart 2017

Day 1 – Monday, 20 March 2017

Public forum “**Coastal Marine Wetlands in an Era of Change**”

Venue: Aurora Lecture Theatre, Institute of Marine and Antarctic Studies (IMAS), University of Tasmania
20 Castray Esplanade, Battery Point, 7000

Forum Chair: Dr Ian Cresswell (Research Director, Biodiversity, Ecosystem Knowledge and Services, Land & Water, CSIRO)

18.00	Welcome & opening comments	Dr Ian Cresswell
18.15	International perspective	Professor Irving Mendelssohn
18.30	Tropical outlook – Northern Australia	Professor Lindsay Hutley
18.45	Temperate tidal wetlands – South Australia	Professor Sabine Dittmann
19.00	Victorian perspective – Victoria	Professor Paul Boon
19.15	National policy – Australia	Professor Peter Bridgewater
19.30	Open forum – question and answer	Dr Ian Cresswell
20.00	Forum close	

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Day 2 – Tuesday, 21 March 2017

Conference symposia (Day 1)

Venue: CSIRO Marine Laboratories – CSIRO Theatrette, Castray Esplanade, Battery Point

08.00	Conference registration	
08.30	Welcome to Country	
08.35	Welcome & Housekeeping	Ian Cresswell
	Official opening	Richard Coleman, Executive Director of IMAS, University of Tasmania
08.45	Opening keynote presentation	Irving Mendelsohn
Session 1	Shining the spotlight on Tasmanian saltmarshes	Chair: Paul Boon
09.30	Obscure saltmarsh wetlands, their resonance with humans, and the reinvention of daily life	Vishnu Prahalad
09.45	Mosquitoes, disease and oviposition in a Tasmanian saltmarsh	Raylea Rowbottom
10.00	Invertebrates and their distribution along the hinterland to saltmarsh gradient	Christina Adams
10.15	Saltmarshes in southern Australia host a distinctive fauna of Lepidoptera in need of conservation assessment	Peter McQuillan
10.30	Morning tea (30 minutes)	

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Session 2	Mangrove science and conservation	Chair: Sabine Dittmann
11.00	The importance of mangroves in global biogeochemical cycles: Insights from a recent field studies from the tropics to the temperate zone	Damien Maher
11.15	Are mangroves in south-eastern Australia already showing evidence of a response to climate change?	Paul Boon
11.30	To develop an index of biotic integrity (IBI) for mangrove habitats	Majid Bakhtiyari
11.45	Effects of Cyclone Yasi on mangrove communities at Hinchinbrook Island, Queensland, Australia	Emma Asbridge
12.00	Camera traps are an effective monitoring tool for low detectability species-tales of rails	Elizabeth Znidersic
12.15	Update on the training of traditional owners for shoreline monitoring and the current status of mangrove dieback in the Gulf	Norm Duke
12.30	Vulnerability of a coastal carbon sink to rapid relative sea-level rise	Kerrylee Rogers
12.45	Mangrove die-off in the Gulf of Carpentaria Australia: The consequences on macrofauna communities investigating through stable isotope analysis	Yota Harada
13.00	Lunch (1 hour)	
Session 3	Coastal wetlands of the urban environment	Chair: Colin Creighton
14.00	Climate change pressures on intertidal wetlands and possible management responses in a highly urbanised estuary	Neil Saintilan
14.15	The fate of urban saltmarsh communities: Impact of stormwater run-off on mangrove and saltmarsh communities	Ina Geedicke
14.30	Managing Darwin Harbour’s mangroves: surface elevation dynamics in a changing harbour	Madeline Goddard
14.45	Plausible futures of an urbanised coastal ecosystem	Sabine Dittmann

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15.00	Afternoon tea (30 minutes)	
Session 4	Restoration and management	Chair: Kerrylee Rogers
15.30	Developing a national mangrove conservation plan	Ian Cresswell
15.45	What are the monitoring requirements to achieve a comprehensive assessment of the impacts of mangrove removal?	Debra Stokes
16.00	Does mangrove encroachment into saltmarsh alter the delivery of coastal wetland ecosystem services?	Jeffrey Kelleway
Session 5	Australian Mangrove and Saltmarsh Network	Chair: TBC
16.15	AMSN 2017 – Where are we at? What in the future?	Norm Duke
16.45	Day 2 symposia ends	

	Welcome drinks, Poster session, photo exhibition	
16.45	Walk/stroll to Waterside Pavilion in Mawson Place, Franklin Wharf	
17.00	Social event – Welcome drinks, poster session, poster session, photo exhibition/competition	Curator: Janet Smith
18.30	Day 2 close	

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Day 3 – Wednesday, 22 March 2017

Conference symposia (Day 2)

Venue: CSIRO Marine Laboratories – CSIRO Theatrette, Castray Esplanade, Battery Point

08.30	Housekeeping	Chair: Ian Cresswell
08.35	The Peter Clarke keynote address – Blue carbon and the role of private landowners in mangrove and saltmarsh conservation	Jane Hutchinson
09.15	Keynote presentation – IPBES , Ramsar, CBD, CMS - the international alphabet soup of saltmarsh and mangrove conservation and management	Peter Bridgewater
10.00	Morning tea (30 minutes)	
Session 6	Carbon dynamics: The value of mangroves and saltmarshes in a changing climate	Chair: Jeff Kelleway
10.30	Blue Carbon Stock Assessment in Both Fringe and Riverine Mangrove Ecosystem Also Post-Aquaculture Landscape in Kaimana, West Papua - Indonesia.	Barakalla Barakalla
10.45	Participatory Resilience Assessments in the Lorentz Lowlands of Indonesian Papua – informing mitigation and adaptation strategies in the world’s most productive mangrove forest	Ben Brown
11.00	Sedimentation and soil carbon accumulation rates in different hydro-geomorphic settings of mangrove forests in North Sumatra, Indonesia	Daniel Murdiyarso
11.15	The substantial amounts of blue carbon removal associated with land-use and land-cover change in global mangrove forests	Sigit Sasmito
11.30	Carbon sources, dynamics, and vegetation community change at Ukerebagh Island, Tweed River	Campbell Young

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11.45	Carbon stocks and soil accumulation rates of urban New South Wales saltmarshes	Nadia Santini
12.00	The implication for REDD of predicting global biomass in mangroves	Colin Field
12.15	Influence of increased CO ₂ concentrations and sea-level rise on leaf gas exchange parameters – Greenhouse experiments	Adrien Jacotot
12.30	Lunch (1 hour)	
Session 7	Modelling and remote sensing of mangroves & saltmarshes	Chair: Neil Saintilan
13.30	Mapping of mangroves and saltmarshes around Australia using airborne topographic and bathymetric lidars from a slow-flying (manned) aerial platform	Jorg Hacker
13.45	Airborne Lidar assessing rugosity of mangrove communities to determine trajectory – degradation or regeneration	Joshua Arthy and Arnon Accad
14.00	Terrestrial laser scanning: A new frontier for evaluating above-ground carbon storage	Christopher Owers
14.15	Are mangroves in the Indo-Pacific really attractive to fish?	Alexia Dubuc
14.30	Modelling the effect of sea level on southeast Australian coastal wetlands: a multistage model validation and comparison study	Laura Mogensen
14.45	Supporting Mangrove Monitoring in Australia: A Role for TERN/AusCover	Richard Lucas
15.00	Intertidal wetlands in connectivity research	Dale Bryan-Brown
15.15	Afternoon tea (30 minutes)	

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Session 8	Community involvement in the monitoring and management of coastal wetlands	Chair: Lindsay Hutley
15.45	The Tamar River Estuary Saltmarsh Monitoring Program	Megan Dykman
16.00	Opportunities and success stories for Mid North Coast NSW Mangroves & Saltmarsh	Max Osborne
16.15	Working with Community to restore mangrove ecosystems	Scott Fry
16.30	Rescuing the saltmarsh in Duck Bay (NW Tasmania)	Sue Jennings
16.45	Day 3 symposia ends	

17.00	Bus transport to Barilla Bay Seafoods – dinner venue	
	Taste of a Tasmanian Ramsar wetland	Leader: Vishnu Prahalad
17.45	Arrive Barilla Bay, short stroll to Pitt Water – Orielton Lagoon Ramsar wetland, includes bird watching with scopes (assisted by Birdlife Tasmania)	
19.00	Conference dinner	
22.00	Bus transport return to city	
	Day 3 close	

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Day 4 – Thursday, 23 March 2017

Field trip – Lutregala Marsh (Bruny Island)

07.45	Pre-departure – CSIRO Marine Laboratories, Castray Esplanade, Battery Point ✕	
08.00	Depart CSIRO – note departure will be on time to meet with ferry timetable	
09.30	Ferry from Kettering to Bruny Island	
10.30	Morning tea at Simpsons Bay (30 minutes)	
11.00	Lutregala Marsh – exploring a southmost Australian saltmarsh with a unique management history	Leaders: John Aalders, Peter McQuillan, Vishnu Prahalad, Denna Kingdom
13.00	Lunch at Neck Reserve Campground, Lutregala Road (1 hour)	
14.00	Visit Bruny Island Cheese/Get Shucked Oysters	
16.00	Ferry return to Kettering	
17.30	Arrive CSIRO (Hobart) – NB: return time to Hobart cannot be guaranteed due to unforeseen ferry and traffic delays	
	Day 4 close	

✕ Emergency contacts:

John Aalders – 0458 060 670

Vishnu Prahalad – 0401 502 538

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Day 5 – Friday, 24 March 2017

Workshops

Venue: CSIRO Marine Laboratories – CSIRO Theatrette and Freycinet Room, Castray Esplanade, Battery Point

08.15	Housekeeping	Chair: Ian Cresswell
08.20-10.00	Workshop 1 – Regulatory planning for wetland conservation	Convenor(s): Vishnu Prahalad and Jason Whitehead
08.20 to 09.00	Managing saltmarsh communities in Tasmania – case study: Pipe Clay Lagoon	Kirsty Kay
	Derwent Estuary Program - science to inform management of saltmarshes and tidal wetlands	Jason Whitehead
	Protecting marine vegetation now and in a Blue Carbon future	Patrick Dwyer
09.00	The above talks conclude to allow delegates to listen to talks in Workshop 2	
09.00 to 10.00	Workshop 1 – Follow up discussion	
10.00-10.30	Morning tea (30 minutes)	
09.00-12.30	Workshop 2 – Mangrove dieback in Northern Australia	Convenor(s): Kerrylee Rogers, Norm Duke and Richard Lucas
09.00	Changes and Observations of Mangroves, Kakadu National Park	Kerrylee Rogers
09.15	Decadal Cyclic Changes in Mangroves in Kakadu National Park: Implications and Future Impacts of Climate Change	Richard Lucas

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09.30 to 10.00	Context setting and questions	
10.00-10.30	Morning tea (30 minutes)	
10.30 to 12.30	Workshop 2 – Follow up discussion	
10.30-12.30	Workshop 3 – Repairing our coasts and estuaries - how do we build the momentum?	Convenor(s): Colin Creighton
10.30	How to build the case for increased tidal connectivity, case study from Lauderdale	Inger Visby
10.45	Context setting and questions	
11.00 to 12.30	Follow up discussion	
12.30-13.30	Lunch	
13.30-14.30	Workshop 4 – Monitoring of saltmarsh and mangroves using citizen-science and other means of community involvement	Convenor(s): Norm Duke, Vishnu Prahalad
13.30	Saltmarsh monitoring by Marion Bay Coastcare Group	Andrew North
13.45	Context setting and questions	
14.00 to 14.30	Follow up discussion	
14.30	Conference wrap up	Norm Duke and Ian Cresswell
15.00	Afternoon tea	
15.30	Day 5 close – conference close	

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Day 3 – Wednesday, 22 March 2017

Poster Session

Venue: Waterside Pavilion, Mawson Place, Franklin Wharf

17.30 to 18.30

No.	Presenter	Title
1	Judith Rosentreter	CH4 emission offset 'blue carbon' burial in mangroves
2	Fernanda Adame	Avoiding deforestation and degradation of mangroves will help developing nations reach their carbon emission targets
3	Melanie Kelly	Facilitating collaboration to achieve positive outcomes for Tasmania's largest wetland.
4	Ralph Dowling	Not guilty till proven otherwise – Was it really marine couch?
5	Richard Lucas	Japan's Global Mangrove Watch: Outcomes and Implications for Australia
6	Richard Lucas	The Malaysian MAMAForest Project: Earth Observation to Support Mangrove Monitoring.