

Australasian Mangrove & Saltmarsh Network conference 2023

Living Coasts

14 - 17 November 2023 | University of Adelaide



Start time	Day 1 Program Tuesday 14th November	Presenter
8:30	Registration (tea, coffee)	
9:00	Welcome to Country	
9:20	Conference opening by Deputy Premier Susan Close MP	
9:40	KEYNOTE ADDRESS	Patrick Dwyer
	Session 1: Restoration	
10:15	How long before an estuary benefits from habitat repair?	Troy Gaston
10:30	Monitoring restoration outcomes of Richmond Park floodplain, Tasmania's largest saltmarsh hydrological restoration project	Vishnu Prahalad
10:45	Trialling the use of artificial structures in coastal wetlands to stabilise sediment and facilitate restoration	Sabrina Olsson
11:00	Morning Tea	
	Session 2: Blue carbon	
11:30	Blue carbon source material: Can we determine organic carbon origin using isotope signatures?	Sophie Russell
11:45	Quantifying the capacity of Australian mangrove wetlands to store below-ground carbon & maintain substrate elevation with sea-level rise	Brooke Conroy
12:00	Scoping Blue Carbon opportunities along the southern Great Barrier Reef coastline	Adam Canning
12:15	Variability of decomposition rates and implications for carbon modelling	Valerie Kwan
12:30	Flux and flow: inundation and salinity drive coastal wetland GHG fluxes	Stephen Rigney
12:45	Mangrove blue carbon within the Barron River Estuary (Cairns Airport)	Brian Singleton



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Start time	Day 1 Program continued Tuesday 14th November	Presenter
13:00	Lunch	
	Session 3: Community, People and Policy	
13:45	Blue Carbon and Sea Country: Opportunities for TO-led blue carbon projects for ecosystem protection and restoration	Rory Crofts
14:00	Stakeholder Perceptions of Coastal Wetland Habitats in Tasmania, Australia	Adela Jarmusz
14:15	Navigating the legal regime for blue carbon projects: a South Australian perspective	Alexandra Wawryk
14:30	The permitting process for marine and coastal restoration: a barrier to achieving global restoration targets?	Rose Foster
	Session 4: Flash Talks	
14:45	Mapping and Enhancing Nature Connections to Tasmania Wetlands.	Kate Pratt
14:50	Creating mangrove habitat on a living seawall on the doorstep of the Great Barrier Reef	Rory Mulloy
14:55	Wave attenuation by biodegradable structures aimed to improve mangrove and saltmarsh restoration	Siegmund Nuyts
15:00	Remote sensing for biomass estimation of a temperate mangrove chronosequence	David Bruce
15:05	A rapidly deployed and cost effective solution for mangrove restoration	Stuart Thomson
15:10	Afternoon Tea	
	Session 5: Ecosystem monitoring	
15:50	Eyre Peninsula saltmarsh transect surveys 1995 to 2023. Observations concerning the present communities, historic and projected future change	Doug Fotheringham
16:05	Predicting mangroves and saltmarsh ecosystems extent in different estuaries – a lifecycle approach.	Brad Henderson
16:20	Towards national mapping of Australia's supratidal forests	Chris Owers
17:00	Welcome Drinks / Poster night	



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Poster title	Presenter
The effects of hypersalinity on photosynthesis and leaf nutrient composition in the St Kilda mangrove forest	Van Lam Nguyen
Living Coasts: Earth observation data for future coastal landscapes	Chris Owers
Developing a conceptual site model for a coastal ecosystem following a major pollution event - lessons and learnings	Emily Leyden
Growth response of a coastal sedge to fire implemented for butterfly habitat enhancement.	Kieren Beaumont
Are swamp paperbark trees, <i>Melaleuca halmaturorum</i> adapted to sea water?	James Stangoulis
Conservation ecology and restoration of Tasmanian <i>Melaleuca ericifolia</i> swamp forests	Iona Flett
Green Carpets: Biogeochemical partitioning of nutrients and heavy metals to aid restoration of collapsed coastal aquatic ecosystems	Faith Coleman



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Start	Day 2 Program Wednesday 15th November	Presenter
9:00	KEYNOTE ADDRESS	Shing Yip (Joe) Lee
9:30	KEYNOTE ADDRESS	Peri Coleman
	Session 6: Impacts of Climate change	
10:00	Storm impacts on coastal mangrove ecosystems are increasing. The case for informative landscape-scale shoreline monitoring.	Norm Duke
10:15	Stormy weather: the response and resilience of a rapidly subsiding New Zealand mangrove-forest to an extreme storm-tide event	Andrew Swales
10:30	Unveiling a Ticking Time Bomb: Sulfide Accumulation in Coastal Wetlands due to Sea Level Rise and Eutrophication	Luke Mosley
10:45	Building interdisciplinary capacity in Blue Carbon Accounting	Melissa Nursey-Bray
11:00	Morning Tea	
	Session 7: Dieback and rehabilitation	
11:30	Soil salinity and coastal wetland vegetation condition following a hypersaline brine pollution event: evidence of impacts & recovery	Alice Jones
11:45	Can a wobble in the orbit of the moon kill mangroves?	Neil Saintilan
12:00	Are Impact Events Equal? A Blue Carbon Perspective for Mangroves in Two World Heritage Area	Sharyn Hickey
12:15	Mangrove repair intervention post fire- to be or not to be	Simon Rowe
12:30	What drives private landholders to restore coastal wetlands on their properties? A systematic literature review of current knowledge and lessons learnt for future research	Rifae Rasheed
12:45	AMSN discussion - pitches for next year's conference	Norm Duke
13:00	Lunch	



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Start time	Day 2 Program continued Wednesday 15th November	
	Session 8: Faunal habitat	
		Presenter
13:40	Saltmarsh availability as a fish habitat: saltmarsh inundation regimes in Tasmanian micro and mesotidal estuaries	Violet Harrison-Day
13:55	Structural complexity and ecological impacts of non-native Pacific Oysters (<i>Magallana gigas</i>) in grey mangrove forests of the Port River estuary	Brad Martin
14:10	Large trees keep on growin' - and provide unique ecosystem services.	Vickl Bennion
	Session 9: Flash Talks	
14:30	Soil organic carbon stocks and sequestration rates in the Ayeyarwady Delta, Myanmar	Alex Pearse
14:35	Nesting habitat of the Australian meat ant (<i>Iridomyrmex purpureus</i>) in saltmarsh and potential consequences of sea level rise.	Kieren Beaumont
14:40	Expanding Blue Carbon parameters: using pyrite as a proxy to incorporate alkalinity production for a more complete carbon stock assessment	Madeline Goddard
14:45	Mangroves from the Water	Zahidah Zeld Zeytoun Millie
14:50	How timely & vital community input can help conserve our marshlands	Eric Kotz
14:55	Afternoon Tea	
	Session 10: Shoreline change, coastal protection and the supratidal zone	
15:25	Carbon cycling, inundation and salinity patterns across temperate intertidal to supratidal vegetated ecosystems	Jeff Kelleway
15:40	Mangrove tree strength varies across root morphology guilds	Jack Hill
15:55	Mangrove Coastline Changes on Different Geomorphological Features in Mary River, Northern Territory	Porni Mollick
16:10	The importance of living coasts in relation to shoreline change in Australia	Ruth Reef
16:25	Mangroves reduce nitrogen exports into the Great Barrier Reef	Maria Fernanda Adame
18:00	Conference Dinner - National Wine Centre	






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Start time	Day 3 Program Thursday 16th November Field trips	Presenter
8:45	Assemble at Horace Lamb for directions for field trips	
	Field trip 1: St Kilda	Sabine Dittmann
	 <p>The field trip to St Kilda will take you the mangrove boardwalk from where you can see the areas of recent dieback of saltmarsh and mangrove as well as intact vegetation. We will take you along the boardwalk in smaller groups for easier discussions along the way. As we will walk on the boardwalk solid shoes are needed but no gumboots. If possible, we may stop at additional sites before returning to the city.</p>	
	Field trip 2: Thompsons Beach	Alice Jones
	 <p>This field trip will be to the Thompson's Beach area (north of Adelaide) within Winaityinaityi Pangkara (Adelaide International Bird Sanctuary). by saltmarsh, The trip will include walking some of the trails through dune, saltmarsh and sabkha ecosystems, visiting a site of recent tidal connection (a dune blowout), a talk from Green Adelaide about the Sanctuary and it's migratory birds, and a talk from a Kurna elder on the cultural significance of the area.</p>	
	Field trip 3: Hindmarsh Island	Kieren Beaumont
	 <p>This fieldtrip will be to Hindmarsh Island (south of Adelaide) where the Coorong and Lower Lakes connect to the sea. It will include a visit to the Hindmarsh Island Landcare Nursery, walks to view coastal restoration sites on the Island and a visit enroute to the Aldinga Washpool, a nationally important ephemeral wetland. Expert insights will be provided by Coastal Conservation Officers and members of the local award-winning Hindmarsh Island Landcare Group.</p>	



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Start time	Day 4 Program Friday 17th November Workshops	Presenter
9:00	Reporting on coastal restoration benefits and emerging markets: - Update on the Nature Repair Market and the development of biodiversity methods -Applying Environment Economic Accounting to coastal blue carbon ecosystem projects, including case studies	DCCEEW
9:30	Overview of blue carbon ecosystem restoration grant projects	
10:00	Implementation of EEA to the South Australian Blue Carbon Ecosystem Restoration Project	
10:30	Morning tea	
11:00	Panel discussion	
12:00	Lunch	
13:00	Workshop: Inventorying methods for monitoring multiple saltmarsh ecosystem attributes	Vishnu Prahaland
15:00	Conference close	

