



CONFERENCE PROGRAM

(subject to change)

Joint National Coast to Coast and QLD Coastal Conference
Embracing our Coastal Lifestyle: Connecting our experiences with the future
4 – 6 June 2025
Mantra on View Surfers Paradise, Gold Coast, QLD

Day One – Wednesday 4 June 2025

8.00am

Conference Registration

9.00am –
10.30am

Session 1 – Opening Plenary

Welcome to Country

Conference Welcome

Emeritus Professor Nick Harvey, *Chair and Director, Australian Coastal Society*

Honourable Andrew Powell MP, *Minister for Environment and Tourism, Minister for Science and Innovation Address (video)*

Conference Welcome and Official Opening

Mayor Tom Tate, *City of Gold Coast*

Keynote Address

Associate Professor Johanna Nalau, *Griffith University*

10.30am –
11.00am

Morning Tea + Poster Presentations

Session 2 11.00am– 12.35pm	2A: Coastal legislation and governance	2B: Sustainable coastal environments and blue futures	2C: Nature on the coasts
11.00am – 11.20am	Sea Level Rise Adaptation Policies: A Review of Barriers, Drivers, and Enablers Suhyun An <i>Griffith University</i>	Towards continental scale coastal ecosystem mapping in Australia utilising Earth Observation data Stephen Sagar <i>Geoscience Australia</i>	11.00am – 11.10am Overcoming barriers of coastal Nature Based Solutions Dan Rodger <i>JB Pacific Scientists & Engineers</i>
			11.10am – 11.20am 2.30pm – 2.40pm Nature Based Solution for Terminal Erosion Tessa Syvertsen <i>FSC Range</i>
5 minute	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
11.25am – 11.45am	Is Australia's oldest coastal legislation still effective? Nick Harvey <i>University of Adelaide</i>	Optimising tide predictions for Australia: an ensemble satellite Earth Observation approach Robbi Bishop-Taylor <i>Geoscience Australia</i>	11.25am – 11.35am Greenmount Headland: Balancing engineering and natural landscapes in a high stakes environment Chloe Broom <i>City of Gold Coast</i>
			11.35am – 11.45am Urban Dunes as a Coastal Defence: Lessons from Queensland's Shorelines George Freeman <i>International Coastal Management</i>
5 minute	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>

11.50am – 12.10pm	Designing climate adaptation legislation for Aotearoa New Zealand Raewyn Peart <i>Environmental Defence Society</i>	Accepted development can provide a self-assessable toolbox of authorisations for restoration Nikki Moore <i>QLD Department of Primary Industries, Fisheries Queensland</i>	11.50am – 12.00pm Natural Capital Accounting – driving innovation in marine and coastal management Leia Howes <i>Great Ocean Road Coast and Parks Authority</i> 12.00pm – 12.10pm Local Shrubby Samphire Recovery Plan Warrick Barnes <i>Green Adelaide</i>
5 minute	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
12.15pm – 12.35pm	Tasmania's statutory State Coastal Policy faces its sternest test after 29 years Chris Rees <i>Australian Coastal Society - TAS</i>	Fish Habitat Area (FHA) Revocation – When policy and practicality don't align Tonia Richard <i>Marine Approval Specialists</i>	12.15pm – 12.25pm Beneficial reuse of dredge spoil: The NSW Marine Estate Strategy in action David Cummings <i>H2O Consulting Group</i> Lightning Talks Wonder Reef Dive Attraction – a new type of 'high rise' for the Gold Coast, Kristy Konings Building Resilient Coastlines through Land Use Planning, Nicole Prentice Urban Development and Environmental Impacts of Land Reclamation in Vietnam Coastal Areas, Vinh Bui
12.35pm – 1.30pm	Lunch + Poster Presentations		
Session 3 1.30pm – 3.05pm	3A: Managed retreat and coastal assets	3B: Coastal management	3C: Applied coastal management (engineering)
1.30pm – 1.50pm	Creating space: Interactive discussion on challenges / opportunities to develop tools for 'retreat' implementation Liz Patterson <i>Alluvium Consulting</i>	South Australia's statewide erosion assessment: probabilistic approach with uncertainty informed monitoring planning Ben Perry <i>Hatch</i>	Multi-disciplinary, operational, online system for monitoring and managing coastal change and resilience Magnus Wettle <i>Eomap Australia</i>
5 minute	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
1.55pm – 2.15pm	The Do's and Don'ts of Relocation: Lessons in Managed Retreat Richard Sharp <i>Water Technology</i>	Managing shoreline erosion along a 320 km coastline: where to start? Heiko Loehr <i>Bluecoast Consulting Engineers</i>	Numerical Modelling of Complex Coastal Morphology Hoan Nguyen <i>Royal HaskoningDHV</i>
5 minute	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
2.20pm – 2.40pm	Who Pays? Emerging possibilities for resourcing managed retreat Aysin Dedekorkut-Howes <i>Griffith University</i>	Enabling Practical Action: Victorian State of the Marine and Coastal Environment Report Scott Rawlings <i>Commissioner for Environmental Sustainability</i>	State of the Art - Bathymetric Technologies for Coastal Applications Sean McCagh <i>Sandmap</i>

5 minute	Changeover	Changeover	Changeover
2.45pm – 3.05pm	Temporary Solutions, Lasting Resilience: The Role of Sunset Clauses in Climate-Adapted Planning Richard Sharp <i>Water Technology</i>	Designing coastal protection works for future adaptation: A design framework Jared Stewart <i>City of Moreton Bay</i>	The Future of South Australian Recreational Jetties Adam Gray <i>South Australian Coastal Councils Alliance</i>
3.05pm – 3.30pm Afternoon Tea + Poster Presentations			
Session 4 3.30pm – 5.05pm	4A: Coastal adaptation and resilience	4B: Sustainable coastal environments and blue futures	4C: Catchment to coast - the estuary interface
3.30pm – 3.50pm	Longshore sediment transport under climate change on the Gold Coast Guilherme Vieira Da Silva <i>Griffith University</i>	Wonder Reef Dive Attraction - a prototype for Blue Futures Kristy Konings <i>City of Gold Coast</i>	National Estuary Program--a way forward Bruce Thom <i>University of Sydney</i>
5 minute	Changeover	Changeover	Changeover
3.55pm – 4.15pm	Gold Coast Beaches Resilience Scheme Fernando Alvarez <i>City of Gold Coast</i>	Here Now Be Dragons... rewilding coastal dragons Tony Flaherty <i>Green Adelaide</i>	Banking on data: can 2000km of estuary mapping improve estuary decision making? Damon Telfer <i>Fruition Environmental</i>
5 minute	Changeover	Changeover	Changeover
4.20pm – 4.40pm	Gold Coast Beaches Resilience Scheme: sand budget and base case projections Evan Watterson <i>Bluecoast Consulting Engineers</i>	Coastal impact of wave energy converters: Emerging trends James Thompson <i>Griffith University</i>	Sea level rise in estuaries – the risk of rising low tides Alice Harrison <i>UNSW Water Research Laboratory</i>
5 minute	Changeover	Changeover	Changeover
4.45pm – 5.05pm	Mapping the frequency of coastal storm-tide flood years Julian O'Grady <i>CSIRO</i>	Surfing Infrastructure Masterplan (SIM) Scott Gillies <i>City of Gold Coast</i>	Mapping elevation and change in Australia's complex coastal environments with satellite imagery Claire Phillips <i>Geoscience Australia</i>

Close of Day One

7.00pm – 10.00pm **Our Coastal Lifestyle Launch**, Sponsored by City of Gold Coast
Surfers Paradise Surf Life Saving Supporters Club

CITY OF
GOLD COAST

Day Two – Thursday 5 June 2025

8.15am Conference Registration

8.45am – 10.00am Session 5 – Plenary

Welcome to Day Two

Sponsor Address

City of Gold Coast TC Alfred Impacts and Response

Keynote Address

Dr Murray Townsend, *Climate Change Policy, Adaptation and Risk Division, DCCEEW*

Keynote Address

Dr David Wachenfeld, *Australian Institute of Marine Science*

10.15am – 10.45am Morning Tea + Poster Presentations

Session 6 10.45am – 12.45pm	6A: Coastal planning	6B: Creative Coastal communities: Local knowledge, community groups and caring for Sea Country	6C: Applied coastal management (engineering)
10.45am – 11.05am	The SLSC location quandary – is a specific planning policy needed? Natalie Patterson <i>Royal HaskoningDHV</i>	Co-designing Blue Carbon Projects with Yuwi Traditional Custodians – Cape Palmerston Lynise Wearne <i>Greening Australia</i>	Potential for Sand Backpass Systems in Tropical Queensland Dan Rodger <i>JB Pacific Scientists & Engineers</i>
5 minute	Changeover	Changeover	Changeover
11.10am – 11.30am	Using AI to navigate the planning and approvals process for coastal works Nicole Prentice <i>UPRS</i>	Collective Impact for the Coast: 20 years of action on Perth's beaches Kate Sputore <i>Perth NRM</i>	Woorim Beach sand back-passing system evolution: insights from comprehensive monitoring and modelling Aminreza Zarifsanaye <i>City of Moreton Bay</i>
5 minute	Changeover	Changeover	Changeover
11.35am – 11.55am	Making effective use of consultants in coastal adaptation planning Anne Leitch <i>Griffith University</i>	A tern for the better: First Nation collaborations to protect small terns Kerri Bartley <i>Birdlife Australia</i>	Optimising the Tweed Sand Bypassing Operating Model Matthew Harry <i>TfNSW</i>
5 minute	Changeover	Changeover	Changeover
12.00pm – 12.20pm	Kingscliff: will five decades of research and planning help manage future risks? Jane Lofthouse <i>Tweed Shire Council</i>	Overcoming human-wildlife conflict for sustainable recovery of beach-nesting birds in coastal Australia Grainne Maguire <i>Birdlife Australia</i>	Balancing modern recreational boating needs with community feel by reimagining wave screens Andrew Pomeroy <i>FSC Range</i>
5 minute	Changeover	Changeover	Changeover
12.25pm – 12.45pm	12.25pm – 12.35pm Great Ocean Road Resilient Coast - Regional Coastal Adaptation Plan (RCAP) Jane Shearer <i>Great Ocean Road Coast and Parks Authority</i>	Manly Lagoon dissolved oxygen – Don't mix it up! Daniel Gilbert <i>UNSW Water Research Laboratory</i>	Designing for boat generated waves and sea in estuaries Rick Plain <i>Moffatt and Nichol</i>

	12.35pm – 12.45pm Coastal and Marine Management Plan review for the Great Ocean Road region Isabelle Spinks <i>Great Ocean Road Coast and Parks</i>		
12.45pm – 1.35pm	Lunch		
Session 7 1.45pm – 5.00pm	Field Trips (Include Afternoon Tea)		
5.00pm	Close of Day Two		
7.00pm – 11.30pm	Conference Dinner		

Day Three – Friday 6 June 2025

8.30am Conference Registration

Session 8 9.00am – 10.35am	8A: State Coastal adaptation programs	8B: Applied coastal management (engineering)	8C: 10 minute Presentations
9.00am – 9.20am	Three barriers to long-term strategic adaptation Elisa Zavadil <i>Victorian Government - DEECA</i>	Selecting beach profiles for storm erosion modelling from 60 years of data Oxana Repina <i>Griffith University</i>	9.00am – 9.10am Integrative capacity enabling integrated oceans management: Insights from Australia Maree Fudge <i>University of Tasmania</i>
			9.10am – 9.20am Five Years of 'Tide to Tip': Industry-Led Cleanups Driving Marine Stewardship Laura Stoltenberg <i>Oceanwatch Australia</i>
5 minute	Changeover	Changeover	Changeover
9.25am – 9.45am	Coastal hazard adaptation in Queensland: QCoast2100 10 years on Emma Schofield <i>Local Government Association of Queensland & Sel Sultmann Department of Environment, Tourism, Science, and Innovation</i>	Innovative Coastal Management: The Role of Pilot Projects in Building Resilience Martin Mulcahy <i>International Coastal Management</i>	9.25am – 9.35am Rocky Reef Recovery: Assessing long-term ecological response of a nearshore reef community Liz West <i>Ecological Service Professionals</i>
			9.35am - 9.45am Adapting to the Bribie Island Breakthrough - Jellicoe Street, Golden Beach Sam Cook <i>Sunshine Coast Council</i>
5 minute	Changeover	Changeover	Changeover
9.50am – 10.10am	Building adaptation foundations – a new approach to adaptation for South Australia Annabel Sandery <i>Hatch</i>	Stability of rock armoured structures in shallow water Amir Etemad Shahidi <i>Griffith University</i>	9.50am – 10.00am Impacts of Storm Group Sequence on Initial Beach Profiles Ye Htet Oo <i>Water Technology</i>
			10.00am – 10.10am Optimising Storm Surge Response with a Tropical Cyclone Decision Support System Gaelle Faivre <i>Griffith University</i>
5 minute	Changeover	Changeover	Changeover
10.15am – 10.35am	A Comparison of State Coastal Management Programs in Australia Aysin Dedekorkut-Howes <i>Griffith University</i>	Erosion in the Lake Illawarra Entrance Channel Margot Margo <i>UNSW Water Research Laboratory</i>	10.15am – 10.25am Lightning Talks
			10.25am – 10.35am Lightning Talks
10.35am – 11.00am	Morning Tea + Poster Presentations		
Session 9	9A: Coastal adaptation	9B: Mangrove	9C: 10 minute presentations

11.00am – 12.35pm	and resilience	management	
11.00am – 11.20am	Cape to Cape Resilience Project: Implementing Victoria's first regional coastal adaptation plan Cassandra Philippou <i>Victorian Department of Energy, Environment and Climate Action</i>	Shoreline Mangrove Offset Project – the Journey from Concept to Reality Tony McAlister <i>Water Technology</i>	11.00am – 11.10am Changing communities and changing coasts: CoastAdapt community engagement 8 years on. Kathleen Broderick <i>Australian National University</i> 11.10am – 11.20am Planning for change – community engagement on tidal inundation Jordan Vickers <i>Tweed Shire Council</i>
5 minute	Changeover	Changeover	Changeover
11.25am – 11.45am	Local Resilience Plans reducing coastal hazard risks for public and private infrastructure Glen Dare <i>City of Moreton Bay</i>	Engineering Positive Outcomes for Mangroves Stuart Bettington <i>Royal HaskoningDHV</i>	11.25am – 11.35am Benefits, challenges and lessons learned of establishing Drone Monitoring Program Craig Perry <i>Peron Naturaliste Partnership</i> 11.35am – 11.45am Drawing a line in the sand – Whitsunday shoreline benchmarking. Scott Hardy <i>Whitsunday Regional Council</i>
5 minute	Changeover	Changeover	Changeover
11.50am – 12.10pm	Strengthening Coastal Biosecurity: Protecting Ecosystems, Industries, and Communities for a Resilient Future Phoebe Arbon <i>James Cook University</i>	Modelling Tidal Flow Reengagement and Mangrove Nutrient Uptake Jenna Johnston <i>Water Technology</i>	11.50am – 12.00pm Coastal Conservation on the Sunshine Coast, Qld Simone Bosshard <i>Sunshine Coast Council</i> 12.00pm – 12.10pm Science Communication in the Victorian Coastal Monitoring Program Blake Allan <i>Department of Energy Environment and Climate Action</i>
5 minute	Changeover	Changeover	Changeover

12.15pm – 12.35pm	Putting a dollar value on coastal adaptation actions – lessons and insights Martijn Gough <i>Ricardo</i>	Developing multi-hazard risk and resilience climate services using machine learning. A case study in Northern NSW Marcello Sano, <i>Griffith University</i>	12.15pm – 12.25pm Alternative options for coastal asset monitoring and inspection through iPhone LiDAR technology Isaac Goessling <i>Water Technology</i> 12.25pm – 12.35pm Enhancing Marina Operations Through Advanced Dredging and Maintenance Techniques Martin Mulcahy <i>International Coastal Management</i>
12.35pm – 1.15pm	Lunch		
Session 10 1.15pm – 2.15pm	Session 10 – Plenary		

Keynote Address

Chris Derksema, *Gold Coast Waterways Authority*

Conference Wrap Up

Emeritus Professor Bruce Thom, *Australian Coastal Society*

Conference Close