



# Conference Program

(subject to change)

**Tuesday 5 November 2024, 6pm – 7pm** Welcome drink at JJ’s at the Marina

## Wednesday 6 November 2024

**8.00am** **Conference Registration**  
*Foyer, Bay Pavilions*

**8.45am - 10.50am** **Session 1 – Plenary**  
**Location: Yuin Theatre, Chair: Michelle Fletcher**

8.45am **Welcome to Country**

8.55am **Welcome from Eurobodalla Shire Council**

9.05am **Minister Address (video)**  
**The Hon. Penny Sharpe, MLC**

9.10am **Address by Major Sponsor – NSW Department of Climate Change, Energy, the Environment and Water**

**Keynote Address**

9.15am – 10.00am **Dr Jodi Edwards**, Vice-Chancellor Indigenous Research Fellow, University of Wollongong

**Address by Silver Sponsor**

10.00am – 10.05am **Luke Pope**, NSW Local Land Services

**Keynote Address**

10.05am – 10.50am Unpacking uncertainties in the coastal hazard – climate change space  
**Dr Ron Hoeke**, CSIRO Environment

### 10.50am – 11.20am Morning Tea & Poster Presentations

Session 2 11.20am – 12.30pm	2A: Applied science and innovation	2B: Policy, planning and legal insights	2C: First Nations peoples' perspectives and coastal community partnerships
<b>Location:</b>	<b>Yuin Theatre</b>	<b>Midandhal</b>	<b>Djirribwal/Duran</b>
<b>Chair:</b>	<b>Aaron Wright</b>	<b>Graham Attenborough</b>	<b>Heidi Thomson</b>
11.20am – 11.40am	Drivers of extreme sea level trends and variability along the Australia's coast <b>Julian O'Grady</b> <i>CSIRO</i>	Wharf Road, Batemans Bay: History and lessons for coastal management and planning <b>Maria Plytarias</b> <i>Department of Planning, Housing and Infrastructure</i>	Walking together: innovative First Nations engagement in Coastal Management <b>Karlee vander Meulen &amp; Felicity Richards</b> <i>Eurobodalla Shire Council</i>
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
11.45am – 12.05pm	Millennial and contemporary dynamics of the barrier estuary entrance at Moruya, Australia <b>Tom Oliver</b> <i>UNSW Canberra</i>	Planning for change: Sea Level Rise and the Coastal Vulnerability Area <b>Jordan Vickers</b> <i>Tweed Shire Council</i>	The South Coast Sea Country Plan <b>Wally Stewart</b> <i>Joonga Land and Water Aboriginal Corporation</i>
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>

12.10pm – 12.30pm	How well can we predict long-term sandy shoreline change in NSW? <b>Kristen Splinter</b> <i>UNSW Sydney Water Research Laboratory</i>	Landuse and development planning when impacted by both coastal and floodplain hazards <b>Emma Maratea</b> <i>Rhelm</i>	Overcoming engagement hurdles: Perspectives from a Local Aboriginal Land Council <b>Tim Stubbs</b> <i>Wolfpeak</i>
<b>12.30pm – 1.30pm Lunch &amp; Poster Presentations</b>			
<b>Session 3</b> 1.30pm – 3.05pm	<b>3A: Sustainable coastal environments and blue futures</b>	<b>3B: Lessons learnt to empower future opportunities</b>	<b>3C: Applied science and innovation</b>
<b>Location:</b>	<b>Yuin Theatre</b>	<b>Midandhal</b>	<b>Djirribwal/Duran</b>
<b>Chair:</b>		<b>Stuart Young</b>	<b>Ross Cannon</b>
1.30pm – 1.50pm	The Everlasting Story - A Blue Carbon Demonstration Project <b>Jessica Morris</b> <i>NSW DCCEEW</i>	Monitoring and responding to coastal erosion in the Shoalhaven <b>Chris Adamantidis, Worley Consulting &amp; Nigel Smith,</b> <i>Shoalhaven City Council</i>	Coastal Shelf Waves in NSW Harbours <b>Indra Jayewardene</b> <i>Manly Hydraulics Laboratory</i>
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
1.55pm – 2.15pm	Climate risk and adaptation in NSW marine parks <b>Coral Latella, NSW DCCEEW &amp; Beth Toki, BMT</b>	50-years of Waverider buoy measurements in NSW: the past, present and future <b>Ed Couriel</b> <i>Manly Hydraulics Laboratory</i>	Basal Food Sources and Fish Movement in an Inter-Connected Temperate Estuary <b>Troy Gaston</b> <i>University of Newcastle</i>
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
2.20pm – 2.40pm	Can the endangered Posidonia australis seagrass tolerate more frequent flooding? <b>Tim Glasby</b> <i>NSW DPI Fisheries</i>	History of management at Warilla Beach – Sand mining to seawalls <b>Danny Wiecek</b> <i>NSW DCCEEW</i>	<b>2.20pm – 2.30pm</b> Understanding urchin barrens through Indigenous oral histories and remote sensing in NSW <b>Kyah Chewying</b> <i>University of Wollongong</i>
			<b>2.30pm – 2.40pm</b> Key fish habitat offsets: an ecosystem service approach <b>Alice Harrison, UNSW Sydney Water Research Laboratory</b>
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
2.45pm – 3.05pm	Unbroken whispers project <b>Jodi Edwards</b> <i>University of Wollongong</i>	Bronte Seawall Upgrade to Protect Australia's Oldest SLSC from Coastal Hazards <b>Joao Goncalves</b> <i>Royal HaskoningDHV</i>	<b>2.45pm – 2.55pm</b> Navigating ICOLLS: Understanding the need for collective study and research gaps <b>Danial Khojasteh</b> <i>NSW DCCEEW</i>
			<b>2.55pm – 3.05pm</b> Sediment properties and shoot density influence seagrass plasticity more than elevated temperatures <b>Daniel Swadling,</b> <i>NSW DPI Fisheries</i>
<b>3.05pm – 3.30pm Afternoon Tea &amp; Poster Presentations</b>			
<b>Session 4</b> 3.30pm – 5.00pm	<b>4A: Contemporary approaches for adapting to coastal hazards and climate change risks</b>	<b>4B: Applied science and innovation</b>	<b>4C: 10 Minute</b>
<b>Location:</b>	<b>Yuin Theatre</b>	<b>Midandhal</b>	<b>Djirribwal/Duran</b>
<b>Chair:</b>	<b>Danny Wiecek</b>	<b>Emily Messer</b>	<b>Jillian Keating</b>
3.30pm – 3.50pm	Sand nourishment requirements to mitigate seawall end effects <b>James Carley</b> <i>UNSW Sydney Water Research Laboratory</i>	Tides in Estuaries – Key Features, Sea Level Rise, and Human Intervention <b>Kris Kumbier</b> <i>NSW DCCEEW</i>	<b>3.30pm – 3.40pm</b> The Famous Six sticking together on the CMP rollercoaster <b>Jason Ruszczyk, Northern Beaches Council</b>

			<p><b>3.40pm – 3.50pm</b>  Planning future foreshore development in Lake Macquarie  <b>Karen Mason, Lake Macquarie City Council</b></p>
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
3.55pm – 4.15pm	<p>When is a setback not a setback?  Drawing lines in the sand  <b>Natalie Paterson</b>  <i>Royal HaskoningDHV</i></p>	<p>Applying the DST for Bank Erosion Management in the Shoalhaven LGA  <b>Oscar Garrat</b>  <i>Rhelm</i></p>	<p><b>3.55pm – 4.05pm</b>  Coastal Management aDAPtation - guiding the nexus between the CMP and DAP delivery for improved outcomes for NSW Coastal communities  <b>Michelle Fletcher</b>  <i>NSW DCCEEW</i></p>
			<p><b>4.05pm – 4.15pm</b>  Coastal management programs – status and key insights  <b>Andrew Williams</b>  <i>NSW DCCEEW</i></p>
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
4.20pm – 4.40pm	<p>Adelaide’s beaches: a shift in sand management strategies  <b>Evan Watterson</b>  Bluecoast Consulting Engineers</p>	<p>Evolving Risk Profiles: Backwater and Overbank Tidal Inundation in Urban Estuaries  <b>Michael Rosenthal</b>  <i>Rhelm</i></p>	<p><b>4.20pm – 4.30pm</b>  CoastSat Live – A web dashboard for near real-time shoreline data from space  <b>Yarran Doherty</b>  <i>UNSW Sydney Water Research Laboratory</i></p>
			<p><b>4.30pm – 4.40pm</b>  A framework for using coastal monitoring data: an Illawarra Coast case study  <b>Dylan McLaughlin</b>  <i>University of Wollongong</i></p>
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
4.45pm – 5.05pm	<p>Sacrificial Structures on the Coast – Sensible or Stupid?  <b>Peter Horton</b>  <i>Horton Coastal Engineering</i></p>	<p>Assessing the utility of biodegradable substrate for NSW oyster reef restoration  <b>Kristine Faelnar</b>  <i>Macquarie University</i></p>	<p><b>4.45pm – 4.55pm</b>  Quantifying the exposure to drowning and injury on the NSW Coastline  <b>Chris Twine</b>  <i>Surf Life Saving New South Wales</i></p>
			<p><b>4.55pm – 5.05pm</b>  The Coastal Weeds and Marine Debris Project: 17 years of multi-agency cooperation  <b>Luke Hamilton</b>  <i>Far South Coast Landcare Association</i></p>
<b>5.05pm</b>	<b>Close of Day One</b>		
<b>7.00pm – 10.00pm</b>	<b>Welcome Reception – Bay Pavilions</b> <i>Sponsored by Department of Planning, Housing and Infrastructure – Crown Lands</i>		

## Thursday 7 November 2024

8.30am Conference Registration, Foyer, Bay Pavilions			
<b>Session 6</b> 9.00am – 10.35am	<b>6A: Applied science and innovation</b>	<b>6B: Lessons learnt to empower future opportunities</b>	<b>6C: Contemporary approaches for adapting to coastal hazards and climate change risks</b>
<b>Location:</b>	<b>Yuin Theatre</b>	<b>Midandhal</b>	<b>Djirribwal/Duran</b>
<b>Chair:</b>	Debbi Millener	Carla Ganassin	Paul Donaldson
9.00am – 9.20am	Statewide assessment of open-coast inundation risk in New South Wales <b>Raimundo Ibaceta</b> NSW DCCEEW	Missed opportunities for strategic alignment of CMPs and public recreation development <b>Pam Dean-Jones</b> Umwelt Environmental and Social Consultants	Planning optimisation for coastal wetlands under rising seas <b>Toby Tucker</b> UNSW Sydney Water Research Laboratory
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
9.25am – 9.45am	Coastal inundation assessments for future coastlines: a new approach for Byron Shire <b>James Thompson</b> Bluecoast Consulting Engineers	Native Title and Aboriginal Land Rights on the coast <b>Michael Ramalli</b> Department of Planning, Housing and Infrastructure	Variable responses of coastal wetlands following black summer bushfire impact <b>Colin Woodroffe</b> University of Wollongong
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
9.50am – 10.10am	Prioritising coastal inundation within NSW and across Australia using new storm-surge maps <b>Andrew Fielding</b> JB Pacific	2019-2020 Bushfire Impacts on the Water Quality of NSW South Coast Estuaries <b>Nuria Lahuerta Pineiro</b> NSW DCCEEW	A decision-making framework to support beach access asset management <b>Jack Hore, Worley Consulting &amp; Nigel Smith, Shoalhaven City Council</b>
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
10.15am – 10.35am	Improving Economic Estimates for Beach Values: The Beach Valuation and Estimation Tool <b>Marc Daley</b> NSW DCCEEW	Developing best practices for coastal monitoring <b>Rachel Przeslawski</b> RPS	Managing Public Access to the Shell Cove Breakwaters During Storm Events <b>Ben Morgan</b> Worley Consulting
10.35am – 11.00am Morning Tea			
<b>Session 7</b> 11.00am - 12.35pm	<b>7A: Lessons learnt to empower future opportunities</b>	<b>7B: Sustainable coastal environments and blue futures</b>	<b>7C: Contemporary approaches for adapting to coastal hazards and climate change risks</b>
<b>Location:</b>	<b>Yuin Theatre</b>	<b>Midandhal</b>	<b>Djirribwal/Duran</b>
<b>Chair:</b>	Cherie Parmenter	Danial Khojasteh	Nuria Lahuerta Pineiro
11.00am – 11.20am	Surf's Up, elevating surf amenity in the CMP process <b>Dan Messiter</b> Royal HaskoningDHV	Studying the impact of marine heatwaves on Huon Estuary (Tasmania, Australia) <b>Julio Salcedo-Castro</b> IMAS/UTAS	Hallett Cove: Coastal Protection leading a revival of ocean pools in Australia <b>Nicole Larkin</b> Nicole Larkin Design
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
11.25am – 11.45am	Halfway there: five years of implementing the Lake Illawarra Coastal Management Program <b>Trudy Costa</b> Wollongong City Council	The ebb and flow of delivering innovative nature-based solutions <b>Heidi Thomson, Eurobodalla Shire Council &amp; Jillian Keating, Department of Primary Industries - Fisheries</b>	Coastscan NSW: A collaboration towards long term coastal monitoring with drones <b>Chris Drummond</b> NSW DCCEEW
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
11.50am – 12.10pm	How can we improve CZEASs? <b>Neil Dufty</b> Water Technology	Management of agricultural coastal landscapes with climate change and sea level rise <b>Bennett Macdonald</b> CSIRO	Developing a sustainable foreshore management approach for Lady Robinson Beach <b>Megan Liu</b> Manly Hydraulics Laboratory
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>

**Field Trip 2: Wagonga Inlet Living Shoreline (WILS) and Dalmeny Themeda Grasslands cultural burning program, Narooma will be departing at 12.15pm**

12.15pm – 12.35pm	The Missing Link: Identifying and Quantifying Beach Rotation in NSW <b>Chris Beadle</b> <i>Water Technology</i>	Coordinated Coastal Planning and Broad Scale Implementation of Living Shoreline Solutions in the Northern Gulf of Mexico, USA <b>Nick Lewis, Moffatt &amp; Nichol</b>	Balmoral Beach Seawall Apron Remediation Trial Replacement of Renomattresses with Rock Bags <b>Yanyan Zhang</b> <i>Royal HaskoningDHV</i>
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**12.35pm – 1.10pm Lunch**

**1.15pm – 5.00pm Session 8 - Field Trips (includes afternoon tea)**

**FT1:** Educate, Embrace, Empower – Wimbie Beach Headland or Grandfathers Gully, Lilli Pilli

**FT2:** Wagonga Inlet Living Shoreline (WILS) and Dalmeny Themeda grasslands cultural burning program, Narooma  
**(will be departing at 12.15pm)**

**FT3:** Erosion and Recovery over the decades – Batemans Bay’s longstanding Erosion hotspots and Australia’s infamous longest record beach state record: Bengello Beach

**FT4:** Reviving Bhundoo – a Clyde River Boat Trip

**5.00pm Close of Day Two**

**6.30pm**  
**Conference Dinner & Annual NSW Coastal Management Awards**  
 Batemans Bay Soldiers Club  
*Conference Dinner Dress Up Theme is “B” for Batemans Bay*  
*Sponsored by Royal HaskoningDHV*

## Friday 8 November 2024

### 8.30am Conference Registration, Foyer, Bay Pavilions

Session 9 9.00am – 11.00am	9A: Policy, planning and legal insights	9B: Coastal processes and insights	9C: Innovative practices
<b>Location:</b>	<b>Yuin Theatre</b>	<b>Midandhal</b>	<b>Djirribwal/Duran</b>
	Cameron Whiting	Nigel Smith	Leslie Reid
9.00am – 9.20am	Australian Coastal Management Act: do we need one? <b>Bruce Thom</b> <i>University of Sydney</i>	Data-driven lessons for managing boating activities on coastal waterways <b>Jack Hannan</b> <i>Transport for NSW</i>	<p><b>9.00am – 9.10am</b> Designing the Coast: The Role of Architects and Landscape Architects in Seascapes <b>Sophie Lanigan</b> <i>University of Cambridge</i></p> <p><b>9.10am – 9.20am</b> Headland Bypassing in New South Wales – Statewide Classification of Headland Morphology <b>Elise Buller</b> <i>University of Newcastle</i></p>
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
9.25am – 9.45am	Improving decision making for public Crown land in the NSW coastal zone <b>Catherine Knight</b> <i>Crown Lands - Department of Planning, Housing and Infrastructure</i>	Surf Life Saving NSW Emergency Response Beacons: Current Utilization and Future Prospects <b>Andrew Ugarte</b> <i>Surf Lifesaving NSW</i>	<p><b>9.25am – 9.35am</b> Ecological Effects of Foreshore Stabilisation on Estuarine Fish Life Stages <b>Hayden Swift</b> <i>University of Newcastle</i></p> <p><b>9.35am – 9.45am</b> Reef Life Survey: Citizen science providing the groundwork for research <b>Jen Thompson</b> <i>Nature Coast Marine Group</i></p>
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
9.50am – 10.10am	Preparation of & Implementation of Coastal Management Programs to Manage the Coast <b>Katie Mortimer</b> <i>Lindsay Taylor Lawyers</i>	Community Stewardship for Tallow Waters: A Grassroots Approach to ICOLL Conservation <b>Alexander Brawn</b> <i>UTS</i>	What's under the wharf? From citizen science to real restoration solutions <b>Cat Leach, Catfish Creative</b> <b>Sel Waddilove, Narooma Underwater</b>
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
10.15am – 10.35am	Land value consequences of Coastal Hazards and Adaption. Lessons from Lismore <b>Ballanda Sack</b> <i>Beatty Hughes &amp; Associates</i>	Groundwater nutrients drive poor nearshore condition at Berkeley Vale, Tuggerah Lakes NSW <b>Rebecca Swanson</b> <i>NSW DCCEEW</i>	CoastAdapt provides resources for coastal decision makers Australia-wide: again and still! <b>Anne Leitch</b> <i>Griffith University</i>
<b>5 min</b>	<b>Changeover</b>	<b>Changeover</b>	<b>Changeover</b>
10.40am – 11.00am	Anticipating coastal change: sea level rise projections and policy across NSW <b>Courtney Smith</b> <i>Water Technology</i>	Integrating Flood Resiliency to stormwater design with Sea Level Rise <b>Jennifer Nunn</b> <i>The Balmoral Group</i>	Developing practical CMP actions for addressing habitat loss in the Hunter Estuary <b>Carla Sbrocchi</b> <i>Wolfpeak</i>

11.00am – 11.30am

### Morning Tea

11.30am – 1.00pm

### Session 9 – Plenary

11.30am	Coastal wetlands in the Anthropocene: risks, opportunities and challenges <b>Professor Kerrylee Rogers</b> , University of Wollongong
12.10pm – 12.25pm	<b>NSW Coastal Council Address</b> – Dr Philip Haines, chairperson
12.25pm – 12.45pm	<b>Ned McNaughton</b> – a next generation environmental leader
12.45pm	<b>Announcement for 2025 NSW Coastal Conference Host Council, Conference Closing and Wrap-up</b>

12.55pm

Lunch

## POSTER PRESENTATIONS

### Morning Tea – Wednesday 6 November 2024

Chair: Dylan McLaughlin

11.00am	Berkely Vale: Understanding the flow circulation sustaining macroalgae blooms and wrack accumulation, <b>Shivanesh Rao</b> , <i>DCCEEW</i>
11.03am	Working together to protect a million migratory shorebirds and beach nesting birds, <b>Philip Straw</b> , <i>Avifauna Research and Services</i>
11.06am	Observations of Wind Setup in Tuggerah Lake, <b>Rosey Hart</b> , <i>DCCEEW</i>

### Lunch – Wednesday 6 November 2024

Chair: Braiya White

12.50pm	Updated Guidelines for Erosion and Sediment Control on Building Sites, <b>Claire Valis</b> , <i>DCCEEW</i>
12.53pm	Monitoring frameworks for social and economic benefits of nature restoration: Project Restore, <b>Carla Sbrocchi</b> , <i>Wolfpeak</i>
12.56pm	CoastSnap: global community-powered coastal monitoring using smartphones, <b>Mitch Harley</b> , <i>UNSW Water Research Laboratory</i>
12.59pm	Leveraging UAV Technology for Enhanced Coastal Management and Emergency Response, <b>Emily Francis</b> , <i>Surf Life Saving Services</i>
1.02pm	Perceptions of socio-cultural values in marine and coastal decision-making processes in NSW, <b>Jim DelBene</b> , <i>ANU</i>
1.05pm	Coastal Storm Risk Management Integration of structures with the urban landscape: Examples from the USA, <b>Nick Lewis</b> , <i>Moffatt &amp; Nichol</i>
1.08pm	Impact of porosity on Pile permeable breakwaters under different waves and turbulence, <b>Heena Patel</b> , <i>Helmut-Schmidt University</i>

### Afternoon Tea – Wednesday 6 November 2024

Chair: Kyah Chewyng

3.10pm	A data standard for lifeguarding and lifesaving services, <b>Chris Twine</b> , <i>Surf Life Saving New South Wales</i>
3.13pm	Missing links: a decade of discourse of coastal adaptation charts declining democracy <b>Anne Leitch</b> , <i>Griffith University</i>
3.16pm	Advanced 3D Mapping for Coastal Dynamics in Vietnam, <b>Phuc Tan Tran</b> , <i>Portcoast Consultant Corporation</i>

### Morning Tea – Thursday 7 November 2024

Chair: Luke Moroney

10.45am	Evaluating public awareness and perceptions of ERBs on New South Wales beaches, <b>Olivier Pastore</b> , <i>UNSW Beach Safety Research Group</i>
10.48am	Salinity response to extreme freshwater discharge in Port Stephens estuary, <b>Cristina Viola</b> , <i>DCCEEW</i>
10.51am	Accelerating Digital Transformation in Vietnam's Maritime Infrastructure <b>Phuc Tan Tran</b> , <i>Portcoast Consultant Corporation</i>