



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**
Mayor Mathew Hatcher

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

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

9.15am – 10.00am **Keynote Address**
Rivers of Change – Reconnecting through Coastal Kin
Dr Jodi Edwards, Vice-Chancellor Indigenous Research Fellow, University of Wollongong

10.00am – 10.05am **Address by Silver Sponsor**
Luke Pope, NSW Local Land Services

10.05am – 10.50am **Keynote Address**
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
Location:	Yuin Theatre	Midandhal	Djirribwal/Duran
Chair:	Aaron Wright	Graham Attenborough	Heidi Thomson
11.20am – 11.40am	Drivers of extreme sea level trends and variability along the Australia's coast Julian O'Grady <i>CSIRO</i>	Wharf Road, Batemans Bay: History and lessons for coastal management and planning Maria Plytarias <i>Department of Planning, Housing and Infrastructure</i>	Walking together: innovative First Nations engagement in Coastal Management Karlee vander Meulen & Felicity Richards <i>Eurobodalla Shire Council</i>
5 min	Changeover	Changeover	Changeover
11.45am – 12.05pm	Millennial and contemporary dynamics of the barrier estuary entrance at Moruya, Australia Tom Oliver <i>UNSW Canberra</i>	Planning for change: Sea Level Rise and the Coastal Vulnerability Area Jordan Vickers <i>Tweed Shire Council</i>	The South Coast Sea Country Plan Kyah Chewying <i>University of Wollongong</i>
5 min	Changeover	Changeover	Changeover

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

Session 4 3.30pm – 5.00pm	4A: Contemporary approaches for adapting to coastal hazards and climate change risks	4B: Applied science and innovation Sponsored by  	4C: 10 Minute
Location:	Yuin Theatre	Midandhal	Djirribwal/Duran
Chair:	Danny Wiecek	Ross Cannon	Jillian Keating
3.30pm – 3.50pm	Sand nourishment requirements to mitigate seawall end effects James Carley <i>UNSW Sydney Water Research Laboratory</i>	Tides in Estuaries – Key Features, Sea Level Rise, and Human Intervention Kris Kumbier <i>NSW DCCEEW</i>	3.30pm – 3.40pm The Famous Six sticking together on the CMP rollercoaster Jason Ruszczuk , <i>Northern Beaches Council</i> 3.40pm – 3.50pm Planning future foreshore development in Lake Macquarie Karen Mason , <i>Lake Macquarie City Council</i>
5 min	Changeover	Changeover	Changeover
3.55pm – 4.15pm	When is a setback not a setback? Drawing lines in the sand Natalie Patterson <i>Royal HaskoningDHV</i>	Applying the DST for Bank Erosion Management in the Shoalhaven LGA Oscar Garratt <i>Rhelm</i>	3.55pm – 4.05pm Coastal Management aDAPtation - guiding the nexus between the CMP and DAP delivery for improved outcomes for NSW Coastal communities Michelle Fletcher , <i>NSW DCCEEW</i> 4.05pm – 4.15pm Coastal management programs – status and key insights Andrew Williams , <i>NSW DCCEEW</i>
5 min	Changeover	Changeover	Changeover
4.20pm – 4.40pm	Adelaide’s beaches: a shift in sand management strategies Evan Watterson <i>Bluecoast Consulting Engineers</i>	Evolving Risk Profiles: Backwater and Overbank Tidal Inundation in Urban Estuaries Michael Rosenthal <i>Rhelm</i>	4.20pm – 4.30pm CoastSat Live – A web dashboard for near real-time shoreline data from space Yarran Doherty <i>UNSW Sydney Water Research Laboratory</i> 4.30pm – 4.40pm A framework for using coastal monitoring data: an Illawarra Coast case study Dylan McLaughlin <i>University of Wollongong</i>
5 min	Changeover	Changeover	Changeover
4.45pm – 5.05pm	Sacrificial Structures on the Coast – Sensible or Stupid? Peter Horton <i>Horton Coastal Engineering</i>	Assessing the utility of biodegradable substrate for NSW oyster reef restoration Kristine Faelnar <i>Macquarie University</i>	4.45pm – 4.55pm Quantifying the exposure to drowning and injury on the NSW Coastline Chris Twine <i>Surf Life Saving New South Wales</i> 4.55pm – 5.05pm The Coastal Weeds and Marine Debris Project: 17 years of multi-agency cooperation Luke Hamilton <i>Far South Coast Landcare Association</i>
5.05pm	Close of Day One		
7.00pm – 10.00pm	Welcome Reception – Bay Pavilions <i>Sponsored by Department of Planning, Housing and Infrastructure – Crown Lands</i>		

Thursday 7 November 2024

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

Field Trip 2: Wagonga Inlet Living Shoreline (WILS) and Dalmeny Themeda Grasslands cultural burning program, Narooma will be departing at 12.25pm

12.15pm – 12.35pm	The Missing Link: Identifying and Quantifying Beach Rotation in NSW Chris Beadle <i>Water Technology</i>	Coordinated Coastal Planning and Broad Scale Implementation of Living Shoreline Solutions in the Northern Gulf of Mexico, USA Maarten Kluijver, Moffatt & Nichol	Balmoral Beach Seawall Apron Remediation Trial Replacement of Renomattresses with Rock Bags Yanyan Zhang <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 12.25pm)

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

11.00am – 11.30am Morning Tea

11.30am – 1.00pm Session 9 – Plenary, Location: Yuin Theatre, Chair: Vivian Straw

11.30am **Keynote Address:** Coastal wetlands in the Anthropocene: risks, opportunities and challenges
Professor Kerrylee Rogers, University of Wollongong

12.10pm – 12.25pm **NSW Coastal Council Address – Dr Philip Haines**, chairperson

12.25pm – 12.45pm **Ned McNaughton** – a next generation environmental leader & **Julie Taylor Mills**

12.45pm **Conference Closing and Wrap-up – Professor Emeritus Bruce Thom**

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, Shivanesh Rao , <i>NSW DCCEEW</i>
11.03am	Working together to protect a million migratory shorebirds and beach nesting birds, Philip Straw , <i>Avifauna Research and Services</i>
11.06am	Observations of Wind Setup in Tuggerah Lake, Rosey Hart , <i>NSW DCCEEW</i>

Lunch – Wednesday 6 November 2024

Chair: Braiya White

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

Afternoon Tea – Wednesday 6 November 2024

Chair: Kyah Chewying

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

Morning Tea – Thursday 7 November 2024

Chair: Luke Moroney

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