

Matariki Workshop - Marine Extremes

4 - 5 December 2017,

The University of Western Australia, Perth

Time	Monday 4th December		
8:30	Tea and Coffee on arrival / registration		
9:00	Gundula Winter	Welcome to the Matariki Workshop	
9:05	Erika Techera	Welcome from the Oceans Institute	
9:15	Iain Watt	Welcome from the University	
9:30		Keynote address	
10:00	Morning Tea		
10:30	Overview of all participating Universities		
10:45	Theme 3 - (Introduction by Shaun Collin)		
10:50	Nico Michiels	Tübingen	Learning from fish: Tricks with light in marine environments
11:05	Jana Orszaghova	UWA	Design wave groups- a potential approach to studying extreme responses of wave energy converters
11:20	Johanna Zimmerhackel	UWA	Dive tourists' demand for shark conservation: A Travel Cost and Contingent Behaviour study
11:35	Andrew Pomeroy	UWA	Opportunities and Challenges in Aquaculture
11:50	15min Discussion		
12:05	D.G. Webster	Dartmouth	Slavery and Illegal Fishing: Missing Links
12:20	Erika Techera	UWA	Extreme human behaviours and their effects on marine industries
12:35	15min Discussion		
12:50	Lunch		
13:30	Theme 1 (Introduction by Chari Pattiaratchi)		
13:35	Yasha Hetzel	UWA	Improved predictions of extreme sea levels around Australia
13:50	Matt Rayson	UWA	Ocean Response to Tropical Cyclone Forcing
14:05	Nicole Jones	UWA	Benthic storms: Nonlinear internal wave dynamics on the continental shelf
14:20	15min Discussion		
14:35	Refreshment break		
15:05	Jeff Hansen	UWA	The role of lagoon width in determining coastal impacts from tropical cyclones along reef-fringed coastlines
15:20	Ryan Mulligan	Queens	Hurricane breaching of barrier islands and impacts on back-barrier estuaries
15:35	Gundula Winter	UWA	Nature-based shoreline protection
15:50	15min Discussion		
16:05	Chris Hepburn	Otago	Bracing once more for change. Is science helping local people prepare for climate change impacts on coastal ecosystems?
16:20	Abbie Rogers	UWA	Community values and preferences for coastal hazard interventions in Western Australia
16:35	15min Discussion		
16:50	Wrap up		
17:30	Free time		
18:30	Workshop Dinner		

Tuesday 5th December			
8:45	Tea and Coffee		
9:00	Theme 2 (Introduction by Gary Kendrick)		
9:15	Verena Schoepf	UWA	Will naturally heat-resistant corals from Australia's extreme Kimberley region be able to cope with Climate Change?
9:30	Ryan Lowe	UWA	Oceanic drivers of extreme reef temperatures across northern Australia: the role of tides on regional and reef-scales
10:00	Belinda Cannell	UWA	Initial and Ongoing Impact of Marine Heatwave on Little Penguins in Perth
10:15	Chari Pattiaratchi	UWA	Cold water episodes along south-west Australia
10:30	15min Discussion		
10:45	Morning Tea		
11:15	Danielle Su	UWA	Monsoonal influence on primary productivity patterns in the Indian Ocean
11:30	Paul Thomson	UWA	THE PICOPHYTOPLANKTON, FIRST RESPONDERS DURING EXTREME MARINE EVENTS
11:45	Will Rayment	Otago	INDICATORS OF OCEAN HEALTH: MONITORING THE DECLINE AND RECOVERY OF CETACEANS IN NEW ZEALAND
12:00	Matt Fraser	UWA	The impact of climatic extremes on coastal benthos: implications for management
12:15	15min Discussion		
12:30	Lunch		
13:15	Josie Crawshaw	Otago	Ecosystem services of New Zealand estuarine ecosystems: drivers and thresholds of denitrification
13:30	Ian Snowball	Uppsala	Characterization and Remediation of "Fiberbanks" along Sweden's Coast
13:45	Peisheng Huang	UWA	Impact of storm events on stratification, algae blooms, and greenhouse gas emission in WA estuaries
14:00	Carolyn Oldham	UWA	Urban coasts: The impact of changing urban water balances and nutrient pathways
14:15	15min Discussion		
14:30	The Way forward		
15:15	Refreshments		
15:45	The Book		
16:30	Summary of the workshop (Erika Techera and Gundula Winter)		
16:45	Drinks		