

## TUESDAY, 9<sup>TH</sup> OCTOBER 2007

TIME	SOUTHERN CROSS LOBBY							
0800	Registration							
0815	Arrival Tea & Coffee							
<b>ORION ROOM</b>								
0830	CONFERENCE OPENING: Professor Lyn Beazley, Chief Scientist, Western Australia							
0900	Plenary Speaker: SHEPPARD Charles, Coral recovery in the absence of human stressors							
SESSION	SPEAKER ORION ROOM		TALK FUTURE REEFS					
0930	HOEGH-GULDBERG Ove		Coral Reef Futures: The low road is the only road.					
0950	McCULLOCH Malcolm		Coral Reefs: will they survive catastrophic climate change?					
1010	Morning Tea (30 mins)							
1040	PANDOLFI John		Escaping the heat: Range shifts of reef coral taxa in coastal Western Australia					
1100	DONE Terry		Great Barrier Reef coral communities 1980 - 2005: losing their resilience?					
1120	MUNDAY Philip		Climate change and the future for fishes of the Great Barrier Reef					
1140	WEBSTER Nicole		Microbes and climate change: the meek shall inherit the seas					
1220	LUNCH (1 hr 10 mins)							
	ORION ROOM		ROTTNEST ROOM		CARNAC ROOM			
SESSION	SPEAKER	TALK	SPEAKER	TALK	SPEAKER	TALK		
	NINGALOO REEF, WA		VULNERABILITY OF THE GREAT BARRIER REEF TO CLIMATE CHANGE		MANAGEMENT			
1330	SIMPSON Chris	A science-based approach to the management of WA coral reefs: Focus on Ningaloo Reef	JOHNSON Johanna	Climate change and the Great Barrier Reef: A vulnerability assessment	SCHUYLER Qamar	Learning from the undersea experience: co-operative engagement of ecotourism with marine research, conservation and management		
1350	de la MARE Bill	Ningaloo: a case study in integrated marine management	DOVE Sophie	The vulnerability of reef-building corals on the Great Barrier Reef to climate change	MARTINS de FREITAS Debora	The potential uses of sensor networks for the management of the Great Barrier Reef Marine Park.		
1410	LONERAGAN Neil	Reef use, biodiversity and socio-economics for integrated management strategy evaluation of Ningaloo	HUTCHINGS Pat	Vulnerability of benthic invertebrates of the Great Barrier Reef to climate change	EDYVANE Karen	'Shared seas' meeting the trans-boundary challenges of marine conservation in the NT and Arafura-Timor Seas		
1430	SYMONDS Graham	Physical oceanography of the Ningaloo Marine Park - Lagoon and reef circulation	WEBSTER Nicole	Vulnerability of microbes of the Great Barrier Reef to climate change	LYBOLT Matthew	Failures and successes of science based planning minimising impacts to reefs caused by a beach restoration project in Broward County, Florida USA		
1450	WOO Mun	Dynamics of the Ningaloo Current, WA	KINGSFORD Michael	The vulnerability of pelagic ecosystems in the Great Barrier Reef to climate change	HANLEY Russell	Corals and the benthic primary producer habitat guidance statement in WA: Strengths, weaknesses and trends		
1510	Afternoon Tea (30 mins)							
	ORION ROOM		ROTTNEST ROOM		CARNAC ROOM		GARDEN ROOM	
SESSION	NINGALOO REEF, WA		MARINE PROTECTED AREAS		CORAL PHYSIOLOGY & SYMBIOSIS		CORAL REEF ECOLOGY	
TIME	SPEAKER	TALK	SPEAKER	TALK	SPEAKER	TALK		
1540	TAEBI Soheila	Hydrodynamic modelling of Ningaloo Reef	EVANS Richard	Batch fecundity of <i>Lutjanus carponotatus</i> (Lutjanidae) and implications of no-take marine reserves on the Great Barrier Reef	HOLMES Glen	Estimating three-dimensional surface areas on coral reefs	BOROWITZKA Michael	Productivity of benthic turf algae in the Dampier Archipelago, WA
1600	WAITE Anya	Biological oceanography of Ningaloo Reef	SWEATMAN Hugh	Do marine protected areas reduce the incidence of <i>Acanthaster planci</i> outbreaks?	KANIEWSKA Paulina	Colony morphology variations optimize internal light regimes in branching corals	DOVE Sophie	Deciduous corals: startling re-generative capacity following die-back
1620	LOWE Ryan	The moderating influence of coastal upwelling on coral bleaching in Ningaloo Reef, WA	WILLIAMSON David	Are no-take marine reserves helping to sustain exploited fish stocks? New tools for tracking larval dispersal and connectivity of fish populations	JIMENEZ Isabel	Heat budget and thermal micro-environment of branching and massive corals	ORTIZ Juan Carlos	Differential growth rate of two coral species in Heron Island Great Barrier Reef. How does it affect the coral population size frequency distribution
1640	WILLIS Megan	Transient coastal upwelling dynamics along Ningaloo Reef	BERUMEN Michael	Self-recruitment of coral reef fish populations in a marine reserve	GOMEZ CABRERA Maria del Carmen	Relationship between coral host and symbiont community structures in the central coast of Venezuela	BATTERSHILL Chris	Self recognition and chemical defence mechanisms in the lowest metazoan: ecological considerations and the role of secondary metabolites
1700			KINGSFORD Michael	Predictable upwelling and impacts on the outer Great Barrier Reef	DUNN Simon	The same cellular mechanism of symbiont release operates during both the breakdown and onset of the cnidarian-dinoflagellate symbiosis	SCOTT Anna	Developing methods for breeding Nemo's home: the effect of feeding regime on growth of sea anemones grown in captivity since spawning

## WEDNESDAY, 10<sup>TH</sup> OCTOBER, 2007

<b>TIME</b>	SOUTHERN CROSS LOBBY					
<b>0830</b>	Arrival Tea & Coffee:					
	<b>ORION ROOM</b>					
<b>0900</b>	<b>Plenary Speaker: SALE Peter</b> The management of coral reefs – where have we gone wrong, and what can we do about it?					
<b>0930</b>	<b>POSTER SESSION: ABROLHOS ROOM</b> (continues through Morning Tea)					
<b>1000</b>	<b>MORNING TEA (30 MINS)</b>					
	<b>ORION ROOM</b>		<b>ROTTNEST ROOM</b>		<b>CARNAC ROOM</b>	
<b>TIME</b>	<b>SPEAKER</b>	<b>TALK</b>	<b>SPEAKER</b>	<b>TALK</b>	<b>SPEAKER</b>	<b>TALK</b>
<b>SESSION</b>	<b>NINGALOO REEF, WA</b>		<b>FISHERIES, WA</b>		<b>CORAL PHYSIOLOGY &amp; SYMBIOSIS</b>	
<b>1030</b>	<b>COLLINS</b> Lindsay	Ningaloo Reef ancestral morphology: a key to understanding substrates and biodiversity	<b>FLETCHER</b> Rick	Implementing ecosystem based fisheries management in WA	<b>BOLDT</b> Lynda	Comparison and diversity of algal light harvesting protein complexes
<b>1050</b>	<b>TWIGGS</b> Emily	Geomorphology, sediments and habitats of Ningaloo Reef, WA	<b>BELLCHAMBERS</b> Lynda	Indian Ocean territories: integrating research, management and cultural values	<b>BOBESZKO</b> Teresa	Characterisation of carbonic anhydrase from the symbiotic dinoflagellate <i>Symbiodinium</i> and the effects of inorganic carbon on enzyme activity
<b>1110</b>	<b>SIWABESSY</b> Justy	Seabed habitat mapping using single beam and multibeam sonar systems	<b>GREEN</b> Rachel	Indian Ocean Territories: Fisheries management initiatives on isolated tropical islands with diverse cultures in the Indian Ocean.	<b>CRAWLEY</b> Alicia	The role of photorespiration in symbiotic association between dinoflagellate and scleractinian corals
<b>1130</b>	<b>KOBRYN</b> Helena	Through the looking glass! Revealing the habitats and biodiversity of Ningaloo Reef using hyperspectral imagery	<b>MEEUWIG</b> Jessica	Marine Futures mapping of reefs and associated habitats in WA: implications for fisheries management	<b>BUXTON</b> Lucy	Synergistic effects of CO <sub>2</sub> concentration and temperature on oxygen exchange in corals
<b>1150</b>	<b>PINNEL</b> Nicole	Spectral discrimination of marine habitats at Ningaloo Reef, WA	<b>PEMBER</b> Matthew	Impacts of potting on sensitive coral habitats at the Abrolhos Islands	<b>DECKENBACK</b> Jeffrey	Pocilloporin response in reef building corals to varied external stresses
<b>1210</b>	<b>COLQUHOUN</b> Jamie	Deepwater communities at Ningaloo Marine Park	<b>WATSON</b> Dianne	Response of reef fish to protection in an area of temperate-tropical convergence	<b>ABREGO</b> David	Dynamic uptake of <i>Symbiodinium</i> dinoflagellates in heat stressed coral juveniles
<b>1230</b>	<b>LUNCH (1 HOUR)</b>					
	<b>ORION ROOM</b>		<b>ROTTNEST ROOM</b>		<b>CARNAC ROOM</b>	
<b>SESSION</b>	<b>NINGALOO REEF, WA</b>		<b>CORAL REPRODUCTION &amp; RECRUITMENT</b>		<b>CORAL PHYSIOLOGY &amp; SYMBIOSIS</b>	
<b>1330</b>	<b>WYATT</b> Alex	Trophic ecology of Ningaloo Reef WA: linking biogeochemistry and biodiversity	<b>HARRISON</b> Peter	Asynchronous and pulsed multi-specific reef coral spawning patterns on equatorial reefs in the Maldives Archipelago	<b>AINSWORTH</b> Tracy	Pre-bleaching signs of thermal stress in reef building corals and the role of microbial communities in stress and bleaching
<b>1350</b>	<b>FITZPATRICK</b> Ben	Lagoonal and cross shelf patterns in the distribution and biodiversity of benthic fishes on the Ningaloo Reef	<b>KONGJANDTRE</b> Narinratana	Spatial variation and reproductive pattern of <i>Favia</i> spp. (Scleractinia: Faviidae) in Thai Waters	<b>VAN DEN HEUVEL</b> Annemieke	Nitrogen and its effects on the coral algae symbiosis
<b>1410</b>	<b>WEBSTER</b> Fiona	Coral resilience: balancing production and herbivory	<b>CRANE</b> Kevin	Reproductive biology of scleractinian corals at Rottneest Island WA	<b>PALKA</b> Milena	Stress resistance in an extreme environment: Lessons learnt from a temperate symbiotic sea anemone
<b>1430</b>	<b>BABCOCK</b> Russ	Ecosystem effects of fishing at Ningaloo	<b>CARROLL</b> Andrew	Sexual reproduction, larval development and settlement competency of <i>Acropora</i> reef corals at Moorea, French Polynesia	<b>REEF</b> Ruth	Calcium carbonate skeletons protect against damaging ultra violet radiation
<b>1450</b>	<b>BANCROFT</b> Kevin	A regionally significant reef complex within the Montebello & Barrow Islands Marine Conservation Reserves, North West WA			<b>WARD</b> Selina	Changes in coral physiology following short term exposure during a winter bleaching event
<b>1510</b>	<b>AFTERNOON TEA (30 MINS)</b>					
	<b>ORION ROOM</b>		<b>ROTTNEST ROOM</b>		<b>CARNAC ROOM</b>	
<b>SESSION</b>	<b>NINGALOO REEF, WA</b>		<b>FISH ECOLOGY</b>		<b>REEF RESILIENCE &amp; MONITORING</b>	
<b>1540</b>	<b>MAU</b> Roland	The role of science in the management of Ningaloo Marine Park	<b>HOW</b> Jason	Have sex or get fat? Spatial patterns of reproductive development deposition in coral trout <i>Plectropomus leopardus</i> at the Abrolhos Islands	<b>HILL</b> Jos	A model for community coral reef monitoring in Australia
<b>1600</b>	<b>BECKLEY</b> Lynnath	What do people do at Ningaloo? High resolution spatial & temporal mapping of human use in Ningaloo Marine Park, WA	<b>TRAVERS</b> Michael	Factors influencing the characteristics of reef and soft substrate fish assemblages along the tropical north western Australian coast	<b>THOMPSON</b> Angus	Slow recovery of <i>Acropora</i> communities following coral bleaching: evidence for limited connectivity within the near shore GBR lagoon?
<b>1620</b>	<b>GAZZANI</b> Flavio	Economic valuation of biodiversity conservation, citizens' non-use value for Ningaloo Reef	<b>PARSONS</b> Miles	Applications of acoustics in monitoring fish schools and essential fish habitat	<b>PRATCHETT</b> Morgan	Effects of climate-induced coral bleaching on coral reef fishes: a review of ecological and economic consequences.
<b>1640</b>	<b>JONES</b> Tod	Modelling tourism to the Ningaloo coast for sustainable planning: Ningaloo Collaboration Cluster Project 3	<b>HARVEY</b> Euan	A comparison of the efficiencies of stereo BRUVS and traps for sampling deepwater tropical reefs	<b>MOONEY</b> Ann	Is ocean acidification pushing corals to the breaking point?
<b>1700</b>	<b>COGLAN</b> Alexandra	What makes a good day out on the reef?			<b>ANTHONY</b> Ken	Future reefs: How will they survive the climate change challenge?
<b>1720</b>	<b>POSTER SESSION: ABROLHOS ROOM</b>					

## THURSDAY 11<sup>TH</sup> OCTOBER, 2007

TIME						
0830	Arrival Tea & Coffee: SOUTHERN CROSS LOBBY					
<b>ORION ROOM</b>						
0900	<b>Plenary Speaker: WILSON Barry</b>		Marine biogeography of the North West Shelf			
0930	<b>Plenary Speaker: MASINI Ray</b>		Linking science to environmental impact assessment and management			
1000	Morning Tea (30 mins)					
	<b>ORION ROOM</b>		<b>ROTTNEST ROOM</b>		<b>CARNAC ROOM</b>	
<b>SESSION</b>	<b>SCOTT REEF, WA</b>		<b>FISH ECOLOGY</b>		<b>CORAL REPRODUCTION &amp; ECOLOGY</b>	
<b>TIME</b>	<b>SPEAKER</b>	<b>TALK</b>	<b>SPEAKER</b>	<b>TALK</b>	<b>SPEAKER</b>	<b>TALK</b>
1030	<b>COLLINS</b> Lindsay	Quaternary evolution of Scott Reef, Australia's North West Shelf	<b>CURTIS</b> Linda	Malaria of the sea: Are ectoparasitic gnathiid isopods the vector of blood parasites in coral reef fish?	<b>BAIRD</b> Andrew	Coral spawning in Dampier Harbour
1050	<b>BRINKMAN</b> Richard	Physical oceanography and the corals of Scott Reef - patterns of disturbance and dynamics of recovery	<b>SIEBECK</b> Ulrike	Colour and pattern discrimination in coral reef fish	<b>PUIILL-STEPHAN</b> Eneour	Chimerism in broadcast spawning coral, <i>Acropora millepora</i>
1110	<b>SMITH</b> Luke	Recovery of coral communities following major disturbances at Scott Reef	<b>HOLMES</b> Thomas	Influence of prey phenotype and performance on predator selectivity of newly settled reef fish	<b>FIELD</b> Stuart	Coral recruitment and benthic community development on artificial settlement tiles within and adjacent to areas physically damaged by ship groundings, Red Sea, Egypt.
1130	<b>GILMOUR</b> James	Biannual spawning, rapid larval development and evidence of self seeding for corals at an isolated system of reefs	<b>THOMPSON</b> Vanessa	Do endemic reef fish exhibit convergent life histories in response to selection for self-replenishment?	<b>DAMIANO</b> Christiana	Scleractinian coral larval settlement and post-settlement survival on the southern Great Barrier Reef
1150	<b>UNDERWOOD</b> Jim	Ecologically and evolutionarily relevant connectivity in corals of NW Australia	<b>HOEY</b> Andrew	Cross shelf variation in the roles of parrotfishes on the Great Barrier Reef	<b>NOREEN</b> Annika	Genetic diversity and connectivity of the reef coral <i>Seriatopora hystrix</i> between the Great Barrier Reef and the eastern Australia subtropics
1210	<b>CAPPO</b> Mike	Shark surveys around atoll reefs of NW Australia show differences in abundance between fished and unfished waters	<b>EMSLIE</b> Mike	Long term monitoring of GBR reef fish communities: What has the first 15 years shown?	<b>SAUNDERS</b> Sam	Rapidly extracted coral lipid fractions, a practical tool for ecophysiological analysis and monitoring?
1230	LUNCH (1 HOUR)					
<b>SESSION</b>	<b>ORION ROOM SCOTT REEF, WA</b>		<b>ROTTNEST ROOM CORAL DISEASE</b>		<b>CARNAC ROOM CORAL ECOLOGY</b>	
1330	<b>FROMONT</b> Jane	Porifera (sponges) of 3 NW atolls: Mermaid, Scott and Seringapatam Reefs, WA	<b>PALMER</b> Caroline	Pigmentation as part of a general immune response in scleractinians	<b>RENEMA</b> Willem	The geologic history of large scale diversity patterns in large benthic foraminifera
1350	<b>HASS</b> Christine	Crustacea of three NW shelf atolls: Mermaid, Scott and Seringapatam Reefs, WA	<b>PEREG-GERK</b> Lily	Coral disease and microbial communities in subtropical waters of The Solitary Island Marine Park	<b>LYBOLT</b> Matthew	TIMS U-series dating of shallow Moreton Bay reefs reveals massive disturbance during the mid-Holocene climatic optimum
1410	<b>BRYCE</b> Clay	A survey of the invertebrate marine resources at Scott and Seringapatam (& Browse Island) WA	<b>BOURNE</b> David	Mechanisms underpinning defence systems of the coral pathogen <i>Vibrio coralliilyticus</i>	<b>ROFF</b> George	Coral disturbance and resilience on the inshore Great Barrier Reef
1430	<b>WHISSON</b> Corey	Macro mollusca of 3 NW atolls: Mermaid, Scott and Seringapatam Reefs, WA	<b>KVENNEFORS</b> Charlotte	Insights into host-pathogen interactions - <i>is the coral immune system simple?</i>	<b>JUPITER</b> Stacy	Linkages between coral assemblages and coral based proxies of terrestrial exposure along a cross shelf gradient of the Great Barrier Reef
1450	<b>MOORE</b> Glenn	Fishes of 3 NW shelf atolls: Mermaid, Scott and Seringapatam Reefs	<b>DALTON</b> Steve	Characteristics of the coral disease subtropical white syndrome: mode of transmission and temperature effects	<b>KELLEY</b> Russell	Communicating coral taxonomy: a practical approach
1510	Afternoon Tea (30 mins)					
<b>SESSION</b>	<b>ORION ROOM SCOTT REEF, WA</b>		<b>ROTTNEST ROOM CORAL DISEASE</b>		<b>CARNAC ROOM CORAL ECOLOGY</b>	
1540	<b>CAPPO</b> Mike	Rapid assessment of spatial associations between fish assemblages and benthic habitats in deeper lagoon waters of an oceanic atoll reef using ROV techniques	<b>GODWIN</b> Scott	Culture independent analysis of bacterial communities associated with subtropical white syndrome of <i>Turbinaria mesenterina</i>	<b>LONG</b> Suzanne	Long term stability, disturbance and recovery of coral communities at Ningaloo Reef, WA
1600	<b>HEYWARD</b> Andrew	Seduced by SCUBA? Depth provides refuge for coral reefs	<b>DINSDALE</b> Elizabeth	Functional switch in microbial communities associated with coral reef degradation	<b>ARMSTRONG</b> Shannon	Spatial and temporal variations in <i>Drupella cornus</i> populations over a 14 year period at Ningaloo Reef, WA
1620	<b>HAYWOOD</b> Mike	Mapping and characterisation of the inter-reefal benthic assemblages of the Torres Strait	<b>PATTEN</b> Nicole	Expanding the coral holobiont story to include viruses	<b>FENNER</b> Douglas	Annual summer mass bleaching of a multi-species coral community in American Samoa
1640			<b>DAVY</b> Joanne	Characterising coral associated viruses: new avenues for research	<b>WEEKS</b> Scarla	Seasonal thermal acclimatisation and coral bleaching: why 2006 predictions failed
1700					<b>BURT</b> John	Recovery of corals a decade after a bleaching event in Saih Al-Shaib, Dubai, UAE