

**Draft Program**  
**Third Annual Ningaloo Symposium**  
**26 and 27 May 2009**  
**Novotel Ningaloo Resort Exmouth, WA**

<b>Day 1, Tuesday 26 May</b>		
<b>Time</b>	<b>Presentation</b>	<b>Speaker</b>
8:30	Registration and morning coffee and tea	
8:45	Welcome to Country	TBA
8:50	Opening	Lyn Beazley ( <i>WA Chief Scientist</i> )
9:00	Introduction and welcome	Neil Loneragan ( <i>Leader, Ningaloo collaboration cluster / Murdoch University</i> )
9:10	<b>Key Note Address</b> A national perspective on coastal management and coastal landuse planning	Professor Bruce Thom ( <i>President of the Australian Coastal Society and a member of the Wentworth Group of Concerned Scientists</i> )
<b>Session 1 – Chair: TBC</b>		
9:40	<b>Overview</b> Integrating science understanding into conservation and management of marine areas.	Kelly Waples ( <i>Dept of Environment and Conservation WA</i> )/ Russ Babcock ( <i>CSIRO</i> )
10:10	Fish surveys across Ningaloo and the effectiveness of the current zoning of the marine park	Russ Babcock ( <i>CSIRO</i> )
10:30	High resolution mapping of reef utilisation by humans in the Ningaloo Marine Park	Lynnath Beckley ( <i>Murdoch University</i> )
<b>10:50</b>	<b>Morning Tea</b>	
<b>Session 2 – Chair: TBC</b>		
11:10	Toward a global biodiversity baseline for coral reefs	Julian Caley ( <i>Australian Institute of Marine Science</i> )
11:30	Current status of the invertebrate fauna targeted by fishers and the possible outcomes of different management alternatives	Martial Depsczynski ( <i>Australian Institute of Marine Science</i> )
11:50	Are there indirect effects of fishing on the Ningaloo Ecosystem?	Matt Vanderklift ( <i>CSIRO</i> )
12:10	Intertidal Invertebrates	Mike Johnson ( <i>University of Western Australia</i> )
12:30	Biodiversity studies in the Ningaloo Reef lagoon	Mike Van Keulen ( <i>Murdoch University</i> )
<b>12:50</b>	<b>Lunch</b>	

<b>Session 3 – Chair: TBC</b>		
13:30	<b>Overview</b> Sustainable Fisheries Management	Mervi Kangas ( <i>Department of Fisheries WA</i> )
14:00	Evaluating Management Strategies for Line fishing in the Ningaloo Marine Park	Rich Little ( <i>CSIRO</i> )
14:20	Commercial and recreational fishing of demersal scalefish within the Ningaloo Marine Park	Ross Marriott ( <i>Department of Fisheries WA</i> )
14:40	Research and management of the Exmouth prawn fishery	Mervi Kangas ( <i>Department of Fisheries WA</i> )
<b>15:00</b>	<b><i>Afternoon Tea</i></b>	

<b>Session 4 – Chair: TBC</b>		
15:20	Magnitude and patterns of herbivory in Ningaloo Reef	Adriana Verges ( <i>Edith Cowan University</i> )
15:40	Testing zone adequacy: Movement and habitat utilization of fishes in Ningaloo Marine Park	Richard Pillans ( <i>CSIRO</i> )
16:00	Loggerhead turtle nest predator dynamics on a mainland nesting beach in Cape Range National Park <b><i>Invited Presentation from Ningaloo Student Research Day</i></b>	Sabrina Trocini ( <i>Murdoch University</i> )
16:20	Summary and Discussion	
16:45	Close of Day 1	
16:50	<b><i>Evening Social Event</i></b>	

<b>Day 2, Wednesday 27 May</b>		
<b>Time</b>	<b>Presentation</b>	<b>Speaker</b>
<b>Session 5 – Chair: TBC</b>		
<b>Modelling</b>		
8:45	<b>Overview</b> Science in sustainable use of natural resources/ Informing natural resource management	Beth Fulton ( <i>CSIRO</i> ) /Peter Rogers ( <i>Western Australian Marine Science Institution</i> )
9:15	Understanding Complex Systems Through Use of Simple (Qualitative) Models	Jeff Dambacher ( <i>CSIRO</i> )
9:35	Tourism and dynamic modelling	Tod Jones ( <i>Curtin University</i> )
9:55	Modelling Recreational Site Choice for Ningaloo	Michael Burton ( <i>University of Western Australia</i> )
10:15	Testing system understanding across different complex management problems: an introduction	Fabio Boschetti ( <i>CSIRO</i> )
<b>10:35</b>	<b><i>Morning Tea</i></b>	

<b>Session 6 – Chair: TBC</b>		
10:55	Deep water benthic habitats and fauna assemblages	Andrew Heyward ( <i>Australian Institute of Marine Science</i> )
11:15	Mapping habitats and biodiversity of Ningaloo Marine Park lagoon using hyperspectral remote sensing imagery	Halina Kobryn ( <i>Murdoch University</i> )
11:35	Geomorphology and Reef Growth History	Lindsay Collins ( <i>Curtin University</i> ) TBC
11:55	Characterisation and modelling of oceanographic processes in Ningaloo Reef	Chari Pattiaratchi ( <i>University of Western Australia</i> )
12:15	Biological oceanography	Anya Waite ( <i>University of Western Australia</i> )
12:35	Long term trends in the Leeuwin Current and implications for marine ecosystems	Ming Feng ( <i>CSIRO</i> )
<b>12:55</b>	<b>Lunch</b>	
<b>Session 7 – Chair: TBC</b>		
13:45	<b>Overview</b> Science and management in land use and planning	David Wood ( <i>Curtin University</i> ) / Jim Sharp ( <i>Department of Environment and Conservation WA</i> )
14:15	Regional management of the Ningaloo Marine Park	Roland Mau ( <i>Department of Environment and Conservation WA</i> )
14:35	Establishing a long term monitoring programme for key ecological and social assets in WA	Kim Friedman ( <i>Department of Environment and Conservation WA</i> )
14:55	Knowledge and role networks-enhancing the effectiveness of models in assisting decision making	Peta Dzidic ( <i>CSIRO</i> )
15:15	Translating research into practice- building adaptive institutions	Kelly Chapman ( <i>Edith Cowan University</i> )
<b>15:35</b>	<b>Afternoon Tea</b>	
<b>Session 8 – Chair: TBC</b>		
16:00	Spatial Data	Mike Ridout ( <i>Cooperative Research Centre for Spatial Information</i> ) TBC
16:20	Visualisation of complex environmental data sets	Stuart Minchin ( <i>CSIRO</i> )
16:40	Summary and Discussion	
17:15	Close and refreshments	
	<b>Workshop</b>	
18:00	Simulating Ningaloo – how to play the game	Beth Fulton ( <i>CSIRO</i> )