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Western Australian Marine Science Institution  
Australian Meteorological and Oceanographic Society  
CSIRO  
The University of Western Australia  
The Bureau of Meteorology

## A changing climate: Western Australia in focus

Friday 27 March 2009 – The University Club of WA, Banquet Room, Level 1

TIME	SPEAKER	TITLE
8.30 – 9.00	Shaun Nannup Noongar People Professor Lyn Beazley WA Chief Scientist	<b>Welcome to Country</b>  <b>Official opening</b>
<b>Session 1</b>	Session Chair: Professor Chari Pattiaratchi The University of Western Australia	<b>The big picture</b>
9.00 – 9.20	Dr Bryson Bates CSIRO	Climate change overview
9.20– 9.40	Steve Waller Director, Office of Climate Change WA	WA climate change policies
9.40– 10.00	Dr Jorgen Frederiksen CSIRO	Changes in Southern Hemisphere storm tracks during the twentieth century
10.00 – 10.20	Professor Matthew England University of New South Wales	The effect of tropical and subtropical Indian Ocean dipoles in driving precipitation around Indian Ocean rim countries
10.20 – 10.40	Stan Stroud Woodside Energy Ltd	Northern Australian Climate Change Study
<b>10.40 – 11.10</b>		<b>MORNING TEA</b>
<b>Session 2</b>	Session Chair: Dr Peter Rogers Western Australian Marine Science Institution Chairman	<b>Coasts and coral reefs</b>
11.10- 11.30	Professor Chari Pattiaratchi UWA	Climate change impacts on coastal systems in WA
11.30 – 11.50	Dr Richard Matear CSIRO	Projection of ocean acidification in the Australian region and its effect on the coral reefs and other marine organisms
11.50 – 12.10	Professor Malcolm McCulloch Australian National University	Coral reefs and climate change: challenges for WA
12.10 – 12.30	Dr Shaun Wilson Department of Environment and Conservation	The implications of climate change on coral reef habitat and fish ecology
12.30 – 12.50	Dr Janice Lough Australian Institute of Marine Science	Historical perspectives from corals on a changing climate

<b>12.50 – 13.40</b>		<b>LUNCH</b>
<b>Session 3</b>	Session Chair: Professor Mervyn Lynch Curtin University of Technology	<b>Leeuwin Current fisheries and biodiversity</b>
13.40 – 14.00	Dr Ming Feng CSIRO	Long term changes in the Indonesian Throughflow and Leeuwin Current system and potential impacts on the marine environment off WA
14.00 – 14.20	Dr Nick Caputi Department of Fisheries	The effect of climate change on fisheries in WA
14.20 – 14.40	Dr Russ Babcock CSIRO	Climate change effects on kelp forest ecosystems
14.40 – 15.00	Dr Colin Yates WA Department of Environment and Conservation	Climate change and biodiversity: complexity and uncertainty
15.00- 15.20	Dr Nick Dunlop Conservation Council of WA	Marine birds as bio-indicators of changes in ocean climate off WA
<b>15.20 – 15.40</b>		<b>AFTERNOON TEA</b>
<b>Session 4</b>	Session Chair Dr Bryson Bates CSIRO	<b>Terrestrial systems</b>
15.40– 16.00	Dr Marco Marinelli Bureau of Meteorology	Improved climate data and monitoring for WA to support the understanding of past, present and future climate
16.00 – 16.20	Prof. Mervyn Lynch Curtin University of Technology	A Cloud Climatology for Western Australia
16.20 – 16.40	Tom Lyons Murdoch University	Climate change and frost in WA
16.40 – 16.50	Dr Bruce Buckley	<b>Summary of symposium</b>
<b>16.50 – 18.00</b>		<b>SUNDOWNER</b>