

	<b>Modelling</b>	<b>Biodiversity</b>	<b>Greenhouse gases</b>	<b>Water and rivers</b>	<b>Pacific climate science</b>	<b>Indo-Pacific climate variability and change workshop</b>
<b>Chair</b>	<i>Rob Colman</i>	<i>David Kent</i>	<i>Zoe Loh</i>	<i>Lotte Hoekstra-Fokkink</i>	<i>Kevin Hennessy</i>	<i>Matthieu Lengaigne</i>
11:00	Overview of the Australian Community Climate and Earth System Simulator (ACCESS) <i>Kamal Puri, CAWCR</i>	The role of dynamical seasonal forecasting in marine applications and management <i>Claire Spillman, CAWCR</i>	OzFlux: the Australian flux and ecosystem research network <i>Helen Cleugh, CAWCR</i>	Climate change impact assessment on water availability of Thomson catchment: uncertainty modelling <i>Gnanathikkam Amirthanathan, BOM</i>	Evaluating global climate models for the purpose of informing climate change projections: a Pacific Climate Change Science Program perspective <i>Damien Irving, CAWCR</i>	Modoki, IOD and Western North Pacific typhoons: possible implications for extreme events <i>Karumuri Ashok, Indian Institute of Tropical Meteorology</i>
11:20	Modelling climate variability using the Australian Community Climate And Earth System Simulator (ACCESS) <i>Harun Rashid, CAWCR</i>	ClimateWatch: Community monitoring of climate-related ecological change <i>Lynda Chambers, CAWCR</i>	Measuring greenhouse gases in Australia <i>Clare Paton-Walsh, University of Wollongong</i>	Coupling regional climate models and hydrological models to produce fine-scale runoff projections <i>Michael Grose, ACE CRC</i>	Regional climate modelling techniques: impacts on regional climate change <i>Jack Katzfey, CAWCR</i>	El Niño change in recent decades and its possible mechanisms <i>Jing-Jia Luo, JAMSTEC</i>
11:40	Dealing with and contributing to the CMIP5 data ‘tsunami’ and beyond from an Australian perspective <i>Mark Collier, CAWCR</i>	Effects of elevated temperature on a coral reef fish and the potential for acclimation <i>Jennifer Donelson, JCU</i>	Australian HFC, PFC and SF <sub>6</sub> emissions: atmospheric verification <i>Paul Fraser, CSIRO</i>	A multi-model comparison of daily precipitation projections using different downscaling techniques and their impact on modelled groundwater recharge <i>Steve Charles, CSIRO</i>	Projections of climate extremes over the tropical Pacific (and the influence of evaluation on projections) <i>Sarah Perkins, CAWCR</i>	Patterns of decadal climate variability and their impact on Australian rainfall <i>Peter Baines, University of Melbourne</i>
12:00	Climate chemistry modelling using the UK chemistry and aerosols model within ACCESS tropospheric chemistry <i>Peter Hurley, CSIRO</i>	Vulnerability of sea turtles to climate change <i>Mariana Fuentes, CECRS, JCU</i>	Probable bias in anthropogenic CO <sub>2</sub> emissions revealed by improved atmospheric growth rate data <i>Roger Francey, CSIRO</i>	Present and projected impact of climate change on water resources in Ukraine: assessment and adaptation measures <i>Viacheslav Manukalo, State Hydrometeorological Service</i>	Tropical cyclones – methods to analyse changes in frequency and intensity for the Australia-Pacific region <i>Deborah Abbs, CAWCR</i>	Indo-Pacific climate change in a perturbed physics ensemble <i>Matthew Collins, University of Exeter</i>
12:20	Modelling stratospheric ozone chemistry impacts on southern hemisphere circulation <i>Roger Dargaville, University of Melbourne</i>	NCEAS WG: towards an understanding of marine biological impacts of climate change <i>Elvira Poloczanska, CSIRO</i>	What can we learn about fossil fuel emissions across North America from continuous CO <sub>2</sub> measurements <i>Kimberly Mueller, University of Michigan</i>	Factors affecting the cost effectiveness of renewable energy in desalination plants in Australia <i>Don Gunasekera, CSIRO</i>	Tropical cyclone wind hazard projections for the Western Pacific <i>Nicholas Summons, Geoscience Australia</i>	The effect of the SPCZ on the termination of strong El Niño events: the recharge paradigm revisited. <i>Axel Timmermann, IPRC</i>
12:40	ACCESS coupled model for IPCC AR5 and CMIP5 <i>Daohua (Dave) Bi, CAWCR</i>	What drives carbon exchange between a temperate sclerophyll forest and the atmosphere on time scales from hours to multiple years? <i>Helen Cleugh, CAWCR</i>	Relative timing of hemispheric climate changes and atmospheric CO <sub>2</sub> during the last deglaciation <i>Tas van Ommen, AAD/ ACE CRC</i>	Climate impacts on the water balance of rainforests in northern Queensland, Australia. <i>Jim Wallace, CSIRO</i>	The Western Pacific monsoon: results from climate simulations of present and future wet seasons <i>Aurel Moise, CAWCR</i>	Discussion
13:00	<b>LUNCH</b>					

	Projections	Oceans		Policy and economics	Extremes	Indo-Pacific Climate Variability and Change Workshop
<i>Chair</i>	<i>Penny Whetton</i>	<i>Alberto Troccoli</i>		<i>Michael Nolan</i>	<i>Scott Power</i>	<i>Axel Timmermann</i>
14:00	The Australian monsoon: Projected changes of Australia's wet season <i>Aurel Moise, CAWCR</i>	Towards a better understanding of the Southern Ocean overturning circulation <i>Stephen Rintoul, CAWCR/ ACE CRC</i>		Committed vulnerability to climate variability and change <i>Benjamin Preston, Oak Ridge National Laboratory</i>	Future changes in tropical cyclones over the Australian region <i>Kevin Walsh, University of Melbourne</i>	Interannual variability and related impacts of the South Pacific convergence zone: present and future <i>Matthieu Lengaigne, LOCEAN/NIO</i>
14:20	Australia's hotter and drier future: climate change projections using representative concentrations pathways and the CSIRO Mk3.6 climate model <i>Jozef Syktus, QCCCE</i>	Pathways and impact of Southern Ocean currents on Antarctic ice sheet melting in response to global warming <i>Nathan Bindoff, ACE CRC/ CAWCR / IMAS</i>		Appraising the insurance and finance industries' response to climate impacts <i>Greg Picker, AECOM</i>	Coincident extreme rainfall and storm surge events in southern Australia <i>Deborah Abbs, CAWCR</i>	Climate change and the South Pacific Convergence Zone <i>Wenju Cai, CAWCR</i>
14:40	Attribution of southern hemisphere climate change and projections <i>Meelis Zidikheri, CAWCR</i>	Integrated Marine Observing System – the importance of observing Australia's changing oceans <i>Katy Hill, IMOS</i>		National greenhouse gas emission management system for the Kingdom of Saudi Arabia <i>Abu Khondaker, King Fahd University</i>	An assessment of coastal vulnerability for the Australian continent: infrastructure vulnerable to inundation and recession <i>Martyn Hazelwood, Geoscience Australia</i>	Panel session
15:00	Changes and projections in southern hemisphere climate, modes of variability and rainfall <i>Jorgen Frederiksen, CAWCR</i>	The observed evolution of the Southern Ocean CO <sub>2</sub> sink and its drivers <i>Andrew Lenton, ACE CRC/ CSIRO</i>		Beyond the core: environmental decision-making for climate change among peripheral communities in Pacific Island nations <i>Patrick Nunn, UNE</i>	Extreme precipitation events in a changing climate using regional dynamically downscaled climate projections <i>Christopher White, ACE CRC</i>	
15:20	Exploiting strength, discounting weakness: combining information from multiple climate simulators <i>Richard Chandler, University College London</i>	Antarctic sea ice thickness from airborne laser altimetry <i>Anthony Worby, AAD/ACE CRC</i>		Moving from the laboratory to effective policies: the case for environmental tax reform in Australia and the UK <i>Ann Hansford, Bournemouth University</i>	A quasi-objective assessment of hot and cold spells in Australia across the period 1957-2010 <i>Ceri Lovitt, BOM</i>	
15:40	Wrap-up					
16:00	CONFERENCE CLOSE					