

# Pre-Conference Events

## Monday 25th June

|                 |   |   |
|-----------------|---|---|
| 9.00 – 10.40am  | Victorian Centre for Climate Change Adaptation Research (VCCCAR) Annual Forum | Climate Adaptation in Action 2012 – Postgraduate student workshop |
| 10.40 – 11.00am | Morning Tea   |   |
| 11.00 – 12.15pm | VCCCAR Annual Forum (cont)  | Postgraduate student workshop (cont)                              |
| 12.15 – 1.00pm  | Lunch   |   |
| 1.00 – 2.30pm   | VCCCAR Annual Forum (cont)  | Postgraduate student workshop (cont)                              |
| 3.00 – 3.30pm   | Afternoon Tea   |   |
| 3.30 – 5.00pm   | VCCCAR Annual Forum (cont)  | Postgraduate student workshop (cont)                              |
| 4.30 – 7.00pm   | Climate Adaptation in Action 2012 Conference – Registration desk open         |   |
| 5:00 – 7:00pm   | Welcome Reception <b>Grand Lobby</b>  |   |

# Conference Program

## Day 0 – Monday 25th June Evening

4.30 – 7.00pm Registration desk open

5:00 – 7.00pm Welcome Reception **Grand Lobby**

## Day 1 – Tuesday 26th June Morning

7.45am Registration desk opens

8.45am – 10.30am **Opening Plenary – Climate change adaptation in Australia today** **Room:** Grand 1-4

Welcome to country

**Jean Palutikof** (NCCARF) & **Andrew Ash** (CSIRO) – Welcome to conference

**Simon McKeon AO** (CSIRO Chairman) – Official opening of Conference

**Hon. Greg Combet MP** (Minister Department of Climate Change and Energy Efficiency) – Video Message

**Blair Comley** (Department of Climate Change and Energy Efficiency)

**Wendy Craik AM** (Productivity Commission) – *Regulatory and policy barriers to climate adaptation: draft report*

**Lesley Hughes** (Climate Commission) – *The climate commission: conversations with the Australian public*  
Voice of Youth

10.30 – 11.00am Morning Tea **Grand Lobby**

11.00 – 12.30pm **Plenary 2 – Health, society and adaptation**

**Chair: Elizabeth Hanna** (Australian National University)

**Tony McMichael** (Australian National University) – *Reducing health risks: Setting the adaptation task in context*

**Kris Ebi** (Stanford University, IPCC Working Unit) – *But is it adaptation?*

**Alistair Woodward** (University of Auckland) – *Adapting to protect health under climate change: general or specific?*

**Neville Nicholls** (Monash University) – *Improved weather forecasting as an adaptation to climate change* (by video)

12.30 – 1.30pm Lunch **Grand Lobby**

12.40 – 1.30pm Open workshop: systems thinking tools for overcoming decision challenges for climate changes adaptation

**(Presenter:** Kambiz Maani)

**Room:** Park

## Day 1 – Tuesday 26th June Afternoon

1.30 – 3.00pm

**Panel Session 1 Room:** Grand 1&2

### The trend toward effectiveness

**(Chair: Andrew Ash)**

Will Steffen  
(ANU)

Russell Wise  
(CSIRO)

Kate Nelson  
(East Gippsland Shire Council)

Habiba Gitay  
(World Bank)

**Panel Session 2 Room:** Grand 3&4

### Barriers to adaptation

**(Chair: Graeme Pearman)**

Simon Torok  
(CSIRO)

Neil Byron  
(Productivity Commission)

Joe Reser  
(Griffith University)

Jan McDonald  
(University of Tasmania)

**Panel Session 3 Room:** State 1&2

### Policy-relevant knowledge for adaptation: bridging the science-policy gap

**(Chair: Francis Zwiers)**

Karl Jones

(Willis Re)

Steve Dovers

(ANU)

Jason Alexandra

(MDBA)

Rohan Hamden  
(SA Department of Environment and Natural Resources)

**Panel Session 4 Room:** State 3

### Collaborative adaptation: How universities government partnerships turn adaptation research into policy and practice

**(Chair: Rod Keenan)**

Hartmut Fuenfgeld  
(MIT)

Halley McCann

(DSE Vic)

Paula Arcari

(MIT)

Christine Kilmartin

(DPCD Vic)

Lauren Rickards

(Melbourne University)

Leon Soste

(DPI Vic)

**Sponsor: VCCCAR**

3.00 – 3.30pm

Afternoon Tea **Grand Lobby**

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| 3.30 – 4.30pm | <p><b>Parallel Session 1</b><br/><b>Measuring the success of adaptation</b><br/><b>Chair:</b> D Rissik<br/><b>Room:</b> Park</p> <p>Learning from Failure (or Benefitting from Success) in the Management of the Ghangara Groundwater System.<br/><b>E Yuen</b></p> <p>IUPA: A proposal of an index for the evaluation of practices for adaptation to climate change and variability.<br/><b>P Aldunce</b></p> <p>Learning from People's Experiences of Adaptation: Monitoring What's Working, for Whom, and Under What Conditions.<br/><b>T Lynam</b></p> <p>Dodging Avalanches: Risks in the Prospective Measurement of Adaptive Capacity.<br/><b>J Gardner</b></p> | <p><b>Parallel Session 2</b><br/><b>Human impacts and health adaptation</b><br/><b>Chair:</b> E Hanna<br/><b>Room:</b> State 1&amp;2</p> <p>Dengue Transmission Under Climate Change in Northern Australia: Linking Ecological and Population-based Models to Develop Adaptive Strategies.<br/><b>E Viennet</b></p> <p>The Environmental Epidemiology of Climate-sensitive Diseases in Fiji: Early Results from Fiji's Piloting Climate Change Adaptations to Protect Human Health Project.<br/><b>L McIver</b></p> <p>Assessing Climate Change Adaptation Interventions: Health Impacts of Extreme Temperatures and Air Pollution in Cities.<br/><b>S Vardoulakis</b></p> <p>Breathing Easy into the Future: Adaptation for Impacts of Climate Change on Aeroallergens and Allergic Respiratory Diseases.<br/><b>P Beggs</b></p> | <p><b>Parallel Session 3</b><br/><b>Local Government</b><br/><b>Chair:</b> J Houlihan<br/><b>Room:</b> Lake 1&amp;2</p> <p>Making Climate Change Adaptation 'business-as-usual' for Local Government – the Role of Good Governance Arrangements.<br/><b>D Corkill</b></p> <p>Connecting with Local Government.<br/><b>C Young</b></p> <p>The Three R's of Adaptation: Risk, Resilience and Responsibility.<br/><b>D Lorenz</b></p> <p>Development of Tools That Allow Local Governments to Translate Climate Change Impacts on Assets into Strategic and Operational Financial and Asset Management Plans.<br/><b>J Balston</b></p> | <p><b>Parallel Session 4</b><br/><b>Communication and engagement fostering adaptation</b><br/><b>Chair:</b> S Boulter<br/><b>Room:</b> Grand 1&amp;2</p> <p>Enabling Stories of Change – A Narrative Case Study of Adapting to Coastal Change in Port Fairy, Victoria.<br/><b>J Paschen</b></p> <p>The Use of Information and Communications Technology for CBA in the Pacific.<br/><b>R James</b></p> <p>Using a Game-workshop to Explore and Discuss Farm Adaptation.<br/><b>J Fisher</b></p> <p>Social Networks and Climate Change Adaptation: a Case Study on Regional Governance Arrangements.<br/><b>P Fitzsimons</b></p> | <p><b>Parallel Session 5</b><br/><b>Adapting agriculture to climate change</b><br/><b>Sponsor:</b> PIARN<br/><b>Chair:</b> S Barlow<br/><b>Room:</b> Grand 3&amp;4</p> <p>"It's a Part of Who We Are": The Influence of Beef Producers' Sense of Place on Their Capacity to Adapt to Change.<br/><b>A Lankester</b></p> <p>Adapting to Climate Change in Queensland's Primary Industries Using a Risk Management Approach.<br/><b>D Cobon</b></p> <p>Earlier Wine Grape Ripening Driven by Warming, Drying, and Changes in Management.<br/><b>L Webb</b></p> <p>Priorities for Managing Climate Risk and Adaptation in the Northern Grains Region.<br/><b>J Clewett</b></p> | <p><b>Parallel Session 6</b><br/><b>Climate adaptive infrastructure and the built environment</b><br/><b>Chair:</b> R Cox<br/><b>Room:</b> State 3</p> <p>Climate Resilient Seaports: Adapting Critical Infrastructure.<br/><b>J Mullett</b></p> <p>Climate Change Adaptation Within the Rail Industry.<br/><b>A Sardinini</b></p> <p>The Insurance Council of Australia's Building Resilience Rating Tool: Providing the Tools for a Climate Adapted Built Environment.<br/><b>J Bonnitcha</b></p> <p>Can Major Infrastructure Procurement Adapt to Climate Change?<br/><b>D Hand</b></p> | <p><b>Parallel Session 7</b><br/><b>Barriers and limits to adaptation</b><br/><b>Chair:</b> J Barnett<br/><b>Room:</b> Lake 3&amp;4</p> <p>Addressing Barriers to Adaptation in Australian Resource Communities.<br/><b>B Loechel</b></p> <p>Orthodoxy in Decision-making: The Regulatory Legacy for Climate Change Adaptation.<br/><b>J Lawrence</b></p> <p>Health Adaptation Policy for Climate Change: Global and National Deficits, Local Rural Disadvantage.<br/><b>E Bell</b></p> <p>Limits and Benefits of Using Water Trading As a 'market-based' Instrument (MBI) for Climate Change Adaptation.<br/><b>A Kiem</b></p> |
| 4.30 – 4.35   | Short break <b>Grand Lobby</b>  |   |   |   |   |  |   |

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| 4.35 – 5.35pm | <b>Parallel Session 8</b><br><b>Managing Biodiversity for Adaptation</b><br><b>Chair:</b> S Williams<br><b>Room:</b> Park                        | Climate Change, Fire Regimes and Ecosystems Resilience in Alpine Vegetation: Not So Much Doom and Gloom.<br><b>D Williams</b> | <b>Parallel Session 9</b><br><b>Human impacts and health adaptation</b><br><b>Chair:</b> E Hanna<br><b>Room:</b> State 1&2  | Challenges for Services to Homeless Persons in Adapting to Predicted Extreme Weather Events Under Climate Change.<br><b>M Carey</b> | <b>Parallel Session 10</b><br><b>Local government</b><br><b>Chair:</b> J Houlihan<br><b>Room:</b> Lake 1&2                      | A Decision Support Guide for Local Government Practitioners: Key Enablers to Enhance Effective Use of Adaptation Tools and Processes.<br><b>P Booth</b> | <b>Parallel Session 11</b><br><b>Communication</b><br><b>Chair:</b> L Coulter<br><b>Room:</b> Grand 1&2   | Communicating Across the 'Theory Versus Practice' Divide - the Barriers in the Basics.<br><b>M Bainbridge</b> | <b>Parallel Session 12</b><br><b>Adapting agriculture to climate change</b><br><b>Sponsor:</b> PIARN<br><b>Chair:</b> S Barlow<br><b>Room:</b> Grand 3&4 | Will Primary Producers Continue to Adjust Practices and Technologies, Change Production Systems or Transform Their Industry - An Application of Real Options.<br><b>G Hertzler</b> | <b>Parallel Session 13</b><br><b>Climate adaptive infrastructure and the built environment</b><br><b>Chair:</b> R Cox<br><b>Room:</b> State 3 | Road Pavement Design and Assessment Under Climate Change.<br><b>M Taylor</b> | <b>Parallel Session 14</b><br><b>Barriers and limits to adaptation</b><br><b>Chair:</b> J Barnett<br><b>Room:</b> Lake 3&4 | Climate Change Adaptation in the Coorong, Murray Mouth and Lakes Alexandrina and Albert.<br><b>M Finlayson</b> |
|               | Adaptation or Transformation: Adjusting to the Consequences of 40 Years of Hydrological Change in the Jarrah Forest.<br><b>G Wardell-Johnson</b> | Community Welfare Sector: Coal Mine Canary or Bastion of Societal Resilience.<br><b>C Goldie</b>                              | Computational Methods for Combined Adaptation Cost-Benefit Analysis for Insurance and Local Government.<br><b>K Mallon</b>  | Communicating Climate Adaptation: The Journey and 'are We There Yet?'<br><b>A Leitch</b>  | The Basis for Successful Transformation of Farming Industries as an Adaptation to Future Climates.<br><b>P Thorburn</b>         | A Framework for the Adaptation of Australian Households to Heat Waves.<br><b>M Belusko</b>  | Understanding How Our Institutions of Governance Support or Impede Australia's Climate Adaptation Planning and Practice: Two Case Studies.<br><b>K Hussey</b> | Performance and Adaptation of Low Income Housing.<br><b>G Barnett</b>   | Agricultural Adaptation to Climate Change: Perenniality in Southern Australian Dryland Farming Systems.<br><b>R Farquharson</b>                          | The Role for Government in Supporting Autonomous Adaptation?: An Analysis of the Electricity Supply Network and Its Institutions.<br><b>J McAllister</b>                           | Influences on the Capacity to Adapt to Climate Risk in an Australian Primary Industry.<br><b>N Marshall</b>                                   |  |  |  |
|               | Biologically-scaled Environmental Stress: An Approach to Assessing Climate Change Threats to Inform Adaptation.<br><b>D Hilbert</b>              | Assessment of the Health Impacts of the 2011 Summer Floods in Brisbane.<br><b>S Tong</b>                                      | Collaborative Governance: How a Geographically-remote Community Established an Exemplar, Bottom-up Adaptation Governance Model.<br><b>C Woolford &amp; B Foster</b> | REDMAP: Engaging Australia's Marine Communities and Industries on Climate Change Through Citizen Science.<br><b>G Pecl</b>          | Agricultural Adaptation to Climate Change: Perenniality in Southern Australian Dryland Farming Systems.<br><b>R Farquharson</b> | Urban Green Cover as an Adaptation Mechanism for Increased Heat Impacts Under Climate Change.<br><b>H Lochhead</b>                                      | What Role for Government in Supporting Autonomous Adaptation?: An Analysis of the Electricity Supply Network and Its Institutions.<br><b>J McAllister</b>     | Potential Shifts in Frost Risk for Pome Fruit in Australia.<br><b>R Darbyshire</b>                            | Agricultural Adaptation to Climate Change: Perenniality in Southern Australian Dryland Farming Systems.<br><b>R Farquharson</b>                          | Potential Shifts in Frost Risk for Pome Fruit in Australia.<br><b>R Darbyshire</b>   | Urban Green Cover as an Adaptation Mechanism for Increased Heat Impacts Under Climate Change.<br><b>H Lochhead</b>                            |  |  |  |
| 5:45 – 6:00pm | Welcome from <b>Cr Rachel Powning – Mayor of Port Phillip</b> <b>Room:</b> Grand 3&4   |   |   |   |   |   |   |   |  |  |   |  |  |  |
| 6:00 – 7:30pm | Poster presentations and mixer <b>Grand Lobby</b>  |   |   |   |   |   |   |   |  |  |   |  |  |  |

## Day 2 – Wednesday 27th June

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| 7am – 8.30am    | Business Breakfast with Mark Rogers and AECOM<br>Ticket holders only   | Room: Lake 1&2   |
| 7am – 8.30am    | Who's doing what? Catching up with adaptation research across Australia<br>Open to all delegates   | Room: State 3  |
| 9am – 10.30am   | <b>Plenary session 3 – Business as usual? How is business adapting</b><br>Chair: Gareth Johnston (Future Ready)<br>John Trowbridge (Natural Disasters Insurance Review) – Climate Change: Industry Impact and Response<br>Mark Howden (CSIRO)<br>Mark Rogers (Colonial First State) - Infrastructure Assets and Climate Change Action – Funding Resilience<br>John Thwaites (Australian Building Codes) - National Construction Code facilitating adaptation to climate change | Room: Grand 1-4  |
| 10.30 – 11.00am | Morning Tea Grand Lobby  |  |
| 11.00 – 12.30pm | <b>Panel Session 5</b> Room: Grand 1&2<br>Science for Adaptation<br>(Chair: Jean Palutikof)<br>John Church (CSIRO)<br>Malte Meinshausen (University of Melbourne)<br>Nathan Bindoff (University of Tasmania)<br>Andy Pitman (University of NSW)  | <b>Panel Session 6</b> Room: Grand 3&4<br>Supporting Adaptive Decision Making in the Pacific Basin<br>(Chair: Rob Kay)<br>Chalapan Kaluwin (PNG University)<br>Kevin Hennessy (CSIRO)<br>Arthur Webb (SOPAC)<br>Vic McGrath (TSRA)   |
|                 |  | <b>Panel Session 7</b> Room: State 1&2<br>Maladaptation, misguidance and missed chances<br>(Chair: K-Auty)<br>Roger Jones (University of Victoria)<br>Fran Thorn (former Secretary, Victorian Department of Health)<br>Peter Christoff (Melbourne University)<br>Sponsor: Commissioner Environmental Sustainability Victoria |
| 12.30 – 2.15pm  | Lunch Grand Lobby  | <b>Panel Session 8</b> Room: State 3<br>Marine Panel (Special Marine symposium)<br>(Chair: Marcus Haward)<br>Kevin Stokes (NZ Seafood)<br>Alistair Hobday (CSIRO)<br>Eric Perez (Qld Seafood Industry Association)<br>Nick Caputi (Department of Fisheries Western Australia)<br>Gretta Peci (UTas)                          |
| 12.40 – 2.00pm  | IPCC workshop (Chair: Andy Reisinger)<br>Registered reviewers only   | Room: Grand 1&2  |
| 12.45 – 1.45pm  | Climate Change Readiness – A new legislative proposal for Western Australia.<br>(Lynn MacLaren)  | Room: Lake 1&2   |

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| 2.15 - 3.45pm | <p><b>Parallel Session 15</b><br/><b>Ecosystems</b><br/>Chair: L Hughes<br/>Room: Park</p> <p>Developing and Assessing Strategies for Managing Biodiversity Under Climate Change.<br/><b>M Dunlop</b></p> <p>Identifying Terrestrial Refugia for Biodiversity.<br/><b>A Reside</b></p> <p>Underestimating the Fingerprint of Climate Change: Consequences for Adaptation.<br/><b>J VanDerWal</b></p> <p>Translocation Scenarios to Inform Biodiversity Management Strategies Under Climate Change.<br/><b>T Harwood</b></p> | <p><b>Parallel Session 16</b><br/><b>Human impacts and health adaptation (Heat)</b><br/>Chair: A Woodward<br/>Room: State 1&amp;2</p> <p>Vulnerability of Low Income Households to Extreme Heat<br/><b>M Beatty</b></p> <p>Preparation of Victorian Public Sector Residential Aged Care Services for Extreme Heat.<br/><b>J McInnes</b></p> <p>Effects of Extreme Temperatures on Years of Life Lost for Cardiovascular Deaths: a Time Series Study in Brisbane, Australia.<br/><b>C Huang</b></p> <p>Heat-health Behaviours of Older Persons During the 2009 Heatwave in South-eastern Australia.<br/><b>A Hansen</b></p> | <p><b>Parallel Session 17</b><br/><b>Economics, financial instruments and business strategies</b><br/>Chair: R Wise<br/>Room: Lake 1&amp;2</p> <p>Sir Sidney Kidman: Australia's Cattle King As Pioneer Of Adaptation To Climatic Uncertainty.<br/><b>L Dobes</b></p> <p>Enhancing the Adaptive Capacity of Small-to- Medium Enterprises (SMEs) to Climate Change and Variability in Australia.<br/><b>N Kuruppu</b></p> <p>Market Mechanisms for Dealing with the Increasing Cost of Catastrophe Losses.<br/><b>R Crompton</b></p> <p>Climate Adaptation and The Boardroom.<br/><b>G Johnston</b></p> | <p><b>Parallel Session 18</b><br/><b>Communication</b><br/>Chair: A Penny<br/>Room: Grand 1&amp;2</p> <p>Worldviews, Framings and Language: Adapting Our Conversations About Climate Change to the People We Are Communicating With.<br/><b>T Lynam</b></p> <p>Lessons from the Bush: Climate Communications with Victorian Farmers.<br/><b>G Anderson</b></p> <p>Providing Application-specific Climate Projections Datasets for Australia and the Pacific: CSIRO's Climate Futures Framework.<br/><b>P Whetton</b></p> <p>Building Climate Change Resilience from the Source – the NERSA Experience.<br/><b>R O'Hagan</b></p> | <p><b>Parallel Session 19</b><br/><b>Supporting climate adaptation in agriculture</b><br/>Sponsor: RIRDC<br/>Chair: C Burns<br/>Room: Grand 3&amp;4</p> <p>Adaptation to Climate Change: How is It Any Different to Normal? The Case of Agriculture.<br/><b>L Rickards</b></p> <p>Adapting Agricultural Management Strategies to Cope with Climate Extremes in Northern Tasmania.<br/><b>J Salinger</b></p> <p>Managing Current Climatic Uncertainty and Adapting to the Future Climate Change in the SAT of Africa and Asia : ICRISAT" Approach.<br/><b>D Asamoah</b></p> <p>Adaptation and Transformation in Action: Insights from Climate Change Responses in Five Australian Case Studies.<br/><b>A Fleming</b></p> | <p><b>Parallel Session 20</b><br/><b>Adapting cities for future climate change</b><br/>Chair: R Cox<br/>Room: State 3</p> <p>Adapting the City of Melbourne's Urban Forests.<br/><b>I Shears</b></p> <p>The Challenge for the Built Environment - Adapting to Climate Change.<br/><b>T Roper</b></p> <p>Planning for Food Security in Climate Changeable Australian Cities.<br/><b>P Burton</b></p> <p>Water Sensitive Urban Design As Key Adaptation to Climate Change.<br/><b>N Tapper</b></p> | <p><b>Parallel Session 21</b><br/><b>Strategies for Supporting Reef Ecosystem Resilience.</b><br/>Sponsor: AIMS<br/>Chair: K Anthony<br/>Room: Lake 3&amp;4</p> <p>KEYNOTE: A Decision Science Perspective on Climate Adaptation Strategies for Reefs.<br/><b>H Possingham</b></p> <p>Adapting to Climate Change via Strengthened Ecosystem Resilience.<br/><b>K Anthony</b></p> <p>Application of Resilience Concepts for Coral Reef Management.<br/><b>P Mumby</b></p> <p>EReefs - Improved Decision Support for the Great Barrier Reef.<br/><b>E Abal</b></p> <p>Multi-sector Climate Change Adaptation in the Great Barrier Reef, Australia.<br/><b>P Fideiman</b></p> |
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| 2.15 - 3.45pm<br>continued | Conservation Planning for Vulnerable Species.<br><b>D Summers</b>  | Adaptation to Climate Change: Does the Public Associate Heat Waves with Global Warming in Adelaide, Australia?<br><b>D Akompab</b> | Climate Change Adaptation In Industry And Business - A Framework for Best Practice in Financial Risk Assessment, Governance and Disclosure.<br><b>J West</b> | Successful Climate Change Adaptation Approaches Used in Michoacan, Mexico.<br><b>D George</b>   | Drought or Aridity - Notes from the Northern Edge of the South Australian Grains Belt and the Southern End of the Murray Darling Basin.<br><b>P Hayman</b> | AdaptWater: A Climate Change Adaptation Tool for the Australian Urban Water Sector.<br><b>E Cini</b>  | Fast-tracking Coral Climate Adaptation Research - a Genomics Approach.<br><b>T Fyffe</b><br><br>Understanding Reef Resilience to Manage Climate-driven Shift to Barren Ground: Prevention is Far Better Than Cure.<br><b>S Ling</b> |
| 3.45 - 4.15pm              | Predicting Water Quality and Ecological Responses to a Changing Climate: Informing Adaptation Initiatives.<br><b>S EISawah</b> | Adapting to Working in the Heat.<br><b>E Hanna</b>   | Insurance Innovations and Incentives for Adaptation Using Weather Reanalysis Tools for Contract Pricing.<br><b>D. Burton</b>                                 | Assessing Adaptation Actions from the Ci:grasp Database.<br><b>T Lissner</b>  | Progress on Adaptation in a Vulnerability Hotspot: the Case of South East Queensland.<br><b>F Crick</b>  | Managing Regional Stressors Reduces the Vulnerability of Coral Reefs to Climate Change.<br><b>K Fabricius</b><br><br>Discussion             |   |
| 4.15 - 5.45pm              | <b>Parallel Session 22</b><br>Avoiding extinctions in a changing climate.<br>Sponsor: EDG<br>Chair: R Fuller<br>Room: Park     | <b>Parallel Session 23</b><br>Climate change and indigenous communities<br>Chair: M Parsons<br>Room: State 1&2                     | <b>Parallel Session 24</b><br>Legal, regulatory and governance<br>Chair: I Carruthers<br>Room: Lake 1&2  | <b>Parallel Session 25</b><br>Cognitive barriers<br>Chair: J Palutikof<br>Room: Grand 1&2   | <b>Parallel Session 26</b><br>Social and equity issues<br>Chair: F Crick<br>Room: Grand 3&4  | <b>Parallel Session 27</b><br>Adapting cities for future climate change<br>Chair: M Taylor<br>Room: State 3                                 |   |
|                            | Where Should We Invest to Adapt Coastal Ecosystems to Sea Level Rise?<br><b>R Fuller</b>                                       | The Role of Culture and Traditional Knowledge in Climate Change Adaptation in Northern Australia.<br><b>M Parsons</b>              | Regulatory Responses to Facilitate Adaptation of Existing Infrastructure to Climate Change.<br><b>D De Sousa</b>   | Making Sense of Nonsense: Contradiction and Malleability of Views About Climate Change and Climate Change Actions.<br><b>I Walker</b> | Who Wants to Participate? Evaluating the Benefits of Public Participation in Climate Adaptation Policies.<br><b>J Mustelin</b>                             | Community Led Planning for the Impacts of Climate Change.<br><b>R Hamden</b>  |   |
|                            | Optimal Habitat Protection and Restoration for Climate Adaptation.<br><b>R Maggini</b>   | Future Change in Ancient Worlds: a Preliminary Understanding of Indigenous Adaptation in Northern Australia.<br><b>D Bird</b>      | Legislation, Land Tenure and Climate Change Adaptation in Australia: the Hothouse Between Public and Private Interests.<br><b>E Gerrard</b>                  | Psychological Barriers and Promoters for Climate Change Adaptation.<br><b>R Sapiains</b>  | Cultural Resources for Climate Change Adaptation: Identifying Opportunities in Abundance, Scarcity and Variability.<br><b>L Head</b>                       | A Resilient Mob: Media Analysis of How Australian Communities Construct Their 'resilience' Following Natural Disasters.<br><b>A Leitch</b>  |   |
|                            |  |  |  |   |  | An Indicator Framework to Operationalize Resilience Thinking in Australian Marine Sectors Dealing with Climate Change.<br><b>J Davidson</b> |   |
|                            |  |  |  |   |  | Fisheries Management and Adaptation - the Need for a Double Adapter...?<br><b>A Sullivan</b>  |   |



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| 4.15 – 5.45pm<br>continued | Developing Strategies to Combat Increased Coextinction Rates of Plant-dwelling Insects Through Global Climate Change.<br><b>P Vesik</b>  | Adaptation Options for Australian Indigenous Women Living in Remote Coastal Regions.<br><b>L Petheram</b>   | Legal & Institutional Dimensions of Adaptation to Climate Induced Disasters.<br><b>M Eburn</b>  | Finding Positive Change: How Mental Models Frame Risk Perception.<br><b>L Lim-Camacho</b>                               | Impacts of Climate Change on Livelihood Conditions: Assessing Adaptation Requirements.<br><b>T Lissner</b> | Development of a Climate Change Adaptation Evaluation Matrix.<br><b>A Rance</b>   | Seabird and Marine Mammal Management Options in the Face of Climate Change.<br><b>L Chambers</b>                  |   |
|                            | Incorporating Climate Change Adaptation into National Conservation Assessments.<br><b>E Game</b>   | Urban and Peri-urban Indigenous Peoples' Vulnerability and Adaptive Capacity to Climate Change.<br><b>D Jones</b>   | A New Legislative Approach to Coastal Planning Adaptation.<br><b>M Baker-Jones</b>  | A Computational Model of How People Reason About Climate Change.<br><b>F Boschetti</b>                                  | Rental Housing, Climate Change and Adaptive Capacity: An Asset-Based Approach.<br><b>M Lockwood</b>        | Implementation of City of Melbourne's Climate Change Adaptation Strategy.<br><b>B McLachlan</b>   | A Climate Change Adaptation Planning Framework for the Great Barrier Reef.<br><b>R Beeden</b>                     |   |
|                            | Ecological-economic Optimization of Biodiversity Conservation Under Climate Change.<br><b>T Regan</b>  | Indigenous Voices in Climate Change Adaptation: The Challenges Facing Yorta Yorta People.<br><b>D Griggs</b>  | The Encroaching Sea and Shifting National Boundaries: Integrating Law with Uncertain Scientific Predictions in Addressing Climate Change Impacts in the Coastal and Marine Environments of Australia and Its South Pacific Neighbours.<br><b>N Rogers</b> | The Inter-relatedness of Psychological Adaptation, Psychological Impacts, and Behavioural Engagement.<br><b>J Reser</b> | Impact of Climate Change on Disadvantaged Groups: Issues and Interventions.<br><b>A Sevoyan</b>            | Evaluating the adaptive capacity of local government in South Australia.<br><b>J Doogue</b>   | Climate Change and Coral Trout: Adaptation Options for Reef-based Fisheries.<br><b>M Pratchett</b>                |   |
|                            | Detecting Unexpected Climate Impacts to Guide the Management of Species Threatened by Climate Change.<br><b>E McDonald-Madden</b>  | Building the Resilience of Ahus Island Community and Its Ecosystems to the Impact of Climate Change Through Local Initiatives: A Bottom -Up Strategy for Climate Change Adaptation.<br><b>R James</b> | The Economics Of Adaptation: Government Acting as Insurer of Last Resort.<br><b>L Dobs</b>  | The Impact of Corrective Normative Feedback on Pro-environmental Intentions and Behaviour.<br><b>M Hurstone</b>         | What About Me? The Role of Emotion for Individual Climate Change Adaptation.<br><b>S Russell</b>           | Challenges with Developing Adaptation Pathways for Australia's Fisheries: Lessons Learned from Iconic Fisheries in South-east Australia.<br><b>G Pecl</b> | Assessment and Adaptation Planning in Queensland Fisheries Using a Multi-Stakeholder Approach.<br><b>N Cliffe</b> |   |
| 6:00 – 7:00pm              | Poster Presentations and pre-dinner bar <b>Grand Lobby</b>   |   |   |   |  |   |   | Seasonal Forecasting as Stepping Stone for Marine Industries Adapting to Climate Change.<br><b>A Hobday</b> |
| 7:00 – 10:30pm             | <b>Conference Dinner:</b> Master of Ceremonies – Snow Barlow (University of Melbourne) Announcement of the Climate Adaptation Champions.<br><b>Dinner Speaker:</b> David Karoly (University of Melbourne) – <i>Climate Change and Societal Responses: Reflections from a Slow Learner</i> <b>Room:</b> Grand 1-4 |   |   |   |  |   |   |   |

## Day 3 – Thursday 28th June Morning

|  |  |  |   |  |   |  |   |   |   |   |  |  |   |   |   |  |  |  |   |  |  |  |   |   |  |   |   |   |   |
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| 8.00am   | Registration desk opens  |  |   |  |   |  |   |   |   |   |  |  |   |   |   |  |  |  |   |  |  |  |   |   |  |   |   |   |   |
| 8am – 9am  | Breakfast poster session <b>Grand Lobby</b>  |  |   |  |   |  |   |   |   |   |  |  |   |   |   |  |  |  |   |  |  |  |   |   |  |   |   |   |   |
| 9am – 10.30am  | <b>Plenary 4 International developments</b> <b>Room: Grand 1-4</b><br><b>Chair: Kris Ebi</b><br><b>Francis Zwiers</b> (Pacific Climate Impacts Consortium, University of Victoria, BC) – <i>On the attributes and challenges of regional climate services</i><br><b>Mark Stafford Smith</b> (CSIRO) – <i>Planet under pressure: new knowledge towards solutions in 2012</i><br><b>Neville Smith</b> (Bureau of Meteorology) – <i>Progress with the IPCC fifth assessment report on impact, adaptation and vulnerability</i><br><b>Ian Noble</b> (Global Adaptation Institute) – <i>Adaptation from the perspective of multilateral development banks and private sector investment</i>   |  |   |  |   |  |   |   |   |   |  |  |   |   |   |  |  |  |   |  |  |  |   |   |  |   |   |   |   |
| 10.30 – 11.00am  | Morning Tea <b>Grand Lobby</b>   |  |   |  |   |  |   |   |   |   |  |  |   |   |   |  |  |  |   |  |  |  |   |   |  |   |   |   |   |
| 11.00 – 12.30pm  | <table border="1"> <tr> <td><b>Parallel Session 29</b><br/><b>Regional case studies</b><br/><b>Chair:</b> D Rissik<br/><b>Room:</b> Park</td> <td><b>Parallel Session 30</b><br/><b>Climate change adaptation and Indigenous communities</b><br/><b>Chair:</b> A Penny<br/><b>Room:</b> State 1&amp;2</td> <td><b>Parallel Session 31</b><br/><b>Turning science into policy</b><br/><b>Chair:</b> I Carruthers<br/><b>Room:</b> Lake 1&amp;2</td> <td><b>Parallel Session 32</b><br/><b>Climate variability, climate extremes: Learnings for adaptation</b><br/><b>Chair:</b> J Handmer<br/><b>Room:</b> Grand 1&amp;2</td> <td><b>Parallel Session 33</b><br/><b>Adapting water policy and planning to climate change</b><br/><b>Sponsors:</b> MDBA, SEACI &amp; NWC<br/><b>Chair:</b> J Alexandra<br/><b>Room:</b> Grand 3&amp;4</td> <td><b>Parallel Session 34</b><br/><b>Adaptation for coastal systems</b><br/><b>Chair:</b> D Burton<br/><b>Room:</b> State 3</td> <td><b>Parallel Session 35</b><br/><b>Enhancing resilience at the marine-land interface</b><br/><b>Sponsor:</b> FRDC<br/><b>Chair:</b> P Hone<br/><b>Room:</b> Lake 3&amp;4</td> </tr> <tr> <td>Building Adaptation Capabilities: Learning by Doing and Sharing.<br/><b>B Webb</b></td> <td>Responding to Climate Change – Indigenous People's Experiences of and Ideas About Climate Change in Four Sites in Victoria.<br/><b>A Bhathal</b></td> <td>Why Science Does Not Drive Wicked Problems of Adaptation.<br/><b>B Head</b></td> <td>Looking into the Past to Learn for the Future: Climate Extremes Informing Climate Change Adaptation.<br/><b>S Boulter</b></td> <td>An overview of Australian Climate Research and its Role in Supporting Adaptation.<br/><b>G Pearman</b></td> <td>Living Beside The Rising Tide: Adapting to Coastal Change in Auckland, New Zealand.<br/><b>A Reisinger</b></td> <td>Australia's Most Prospective Opportunity for Action Across Adaptation and Mitigation – Australia's Estuaries and Wetlands.<br/><b>P Hone</b></td> </tr> <tr> <td>Exploring the Need for Adaptation in Government Service Provision to Future Climate Through Integrated Regional Vulnerability Assessment (IRVA).<br/><b>C Lee</b></td> <td>Changes to Climate, Changes to Culture: Native Title Holder Experiences in the Kimberley and Cape York.<br/><b>T Tran</b></td> <td>When Science Meets Policy - 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| 11.00 – 12.30pm<br>continued | Evaluating Policy Networks for Science Impact: Planning for Climate Change Adaptation in South East Queensland.<br><b>R McAllister</b>       | Aboriginal responses to climate change in arid zone Australia.<br><b>J Davidson</b>   | TREND – An Example of Science - Policy Translation from the South Australian Government.<br><b>S Sweeney</b>   | Costs And Benefits of Public And Private Provision of Post-Cyclone Emergency Services in Coastal Queensland.<br><b>L Dobes</b>                       | Climate Change Adaptation Planning in the South Australian Murray-Darling Basin.<br><b>M Siebentritt</b> | Coastal Residents, King Canute and Foaming Brine.<br><b>A Leitch</b>                               | Estuaries & Wetlands – Critical for Key Commercial and Recreational Fisheries and the Frontline for Adaptation to Rising Sea Levels.<br><b>M Sheaves</b> |
|                              | Comparison of Four Australian Regional Cross Border Governance Arrangements: Implications for Climate Change Adaptation.<br><b>S Shearer</b> | Understanding the use of intertidal marine resources by Indigenous women in the Northern Territory.<br><b>L Petheram</b>  | Integration of Science and Policy in Implementing the New South Wales and Australian Capital Territory Regional Climate Modelling Project.<br><b>E Roger</b> | Determining Heat – health Thresholds for Urban Populations in Australian Capital Cities.<br><b>M Loughnan</b>  | Climate Change and the Draft Murray Darling Basin Plan.<br><b>T Stubbs</b>                               | Managing the Risks of Inundation and Erosion for Coastal Property and Ecosystems.<br><b>R Wise</b> | Exploring the Land of Blue Carbon Opportunities – Australia!<br><b>A Lawrence</b>  |
| 12.30 – 1.30pm               | Lines on Maps: Where Do We Put Them – and Why!<br><b>G Hunt</b>  | Understanding Coastal Urban and Peri-urban Indigenous People's vulnerability and adaptive capacity<br><b>D Low Choy</b><br>Future change in ancient worlds: Indigenous adaptation in northern Australia.<br><b>D Bird</b><br>Towards climate change adaptation in Indigenous communities.<br><b>M Nursey-Bray</b> | Understanding End-user Decisions and the Value of Climate Information Under the Risks and Uncertainties of Future Climates.<br><b>T Capon</b>                | Extractive Resource Development in a Changing Climate: Lessons from a Decade of Extreme Weather Events in Queensland (2000-2011).<br><b>V Sharma</b> | Water and Climate Change: Interactions and Responses.<br><b>K Olsson</b>                                 | Retreat or Defend? Planning for Change in Tasmania's Coastal Zone.<br><b>J Harkin</b>              |  |
|                              | Lunch <b>Grand Lobby</b>   |   |  |  |  |  |  |

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| <p>1.30 – 3.00pm</p>  | <p><b>Parallel Session 36</b><br/><b>Learnings from Around the World</b><br/><b>Chair:</b> K Ebi<br/><b>Room:</b> Park</p>  | <p><b>Parallel Session 37</b><br/><b>NCCARF Projects Speedtalks: Social, Economic and Institutional Dimensions</b><br/><b>Chair:</b> D Stock<br/><b>Room:</b> State 1&amp;2</p> | <p><b>Parallel Session 38</b><br/><b>Decision support tools</b><br/><b>Chair:</b> D Lorenz<br/><b>Room:</b> Lake 1&amp;2</p>                        | <p><b>Parallel Session 39</b><br/><b>Disasters, people and climate what does the future hold?</b><br/><b>Sponsor:</b> Bushfire CRC<br/><b>Chair:</b> R Thornton<br/><b>Room:</b> Grand 1&amp;2</p> | <p><b>Parallel Session 40</b><br/><b>Adapting water policy and planning to climate change</b><br/><b>Sponsors:</b> MDBA, SEACI &amp; NWC<br/><b>Chair:</b> S Capon<br/><b>Room:</b> Grand 3&amp;4</p> | <p><b>Parallel Session 41</b><br/><b>Scenarios for the future of adaptation</b><br/><b>Chair:</b> D Rissik<br/><b>Room:</b> State 3</p> | <p><b>Parallel Session 42</b><br/><b>Closing panel of Marine special symposium</b><br/><b>Chair:</b> N Holbrook<br/><b>Room:</b> Lake 3&amp;4</p>                                       |
| <p>Migration as an Adaptation to Climate Change in Western China.<br/><b>X Liu</b></p>  | <p>Extreme heat and climate change: adaptation in culturally and linguistically diverse communities.<br/><b>P Bi</b><br/>Heat Ready: Adapting Aged Care Facilities to cope with heatwave.<br/><b>D Black</b><br/>What about me? Factors affecting individual adaptive coping capacity.<br/><b>K Unsworth</b></p>        | <p>Quenching the Thirst: How Much Detail is Enough for Effective Adaptation Decisions.<br/><b>M Dunn</b></p>  | <p>Climate Change, Fire Regimes and Landscape Management in Australia: What Does Climate Change Mean for Risk Mitigation?<br/><b>D Williams</b></p> | <p>Climate Change Adaptation for Water Resources and Freshwater Biodiversity.<br/><b>N Grigg</b></p>   | <p>Improving Climate Intelligence – a Framework for Better Informing Adaptation Decisions in a Variable Climate.<br/><b>A Watkins</b></p>   | <p>A Diagnostic Approach to Climate Adaptation for Australian Fisheries.<br/><b>P Leith</b></p>   | <p>Building Social-ecological Resilience: the Adaptation of Coral Reef Management.<br/><b>P Marshall</b></p>  |
| <p>When Not Every Response to Climate Change is a Good One: Identifying Principles for Sustainable Adaptation.<br/><b>P Aldunce</b></p> | <p>Preferences for the Distribution of Responsibility for Adaptation to Sea Level Rise.<br/><b>J Barnett</b><br/>Developing Adaptively: Understanding the urban climate adaptation role of the private development sector.<br/><b>E Coiaccetto</b></p>  | <p>Flexible Guidance on Adaptation Planning and Decision-making: the Adaptation Navigator Application.<br/><b>H Fuenfgeld</b></p>   | <p>Psychological Preparedness for Disaster Threat.<br/><b>H Zulch</b></p>   | <p>An Economic Assessment of Trade Constraints on Environmental Flow Applications Under Climate Change in Australia.<br/><b>A Loch</b></p>   | <p>Opportunities and Challenges for Climate Adaptation – a National Approach Across 4 Climate Impacts.<br/><b>H Schandi</b></p>   | <p>Envisioning Alternative Adaptation Futures for Coastal Settlements and Communities.<br/><b>P Morely</b></p>                          | <p>Joining the Dots: Connecting Downscaled Climate Projections, Hydrology, Ecosystem Values, and Management Frameworks to Conserve Biodiversity in Freshwaters.<br/><b>A Watson</b></p> |
| <p>Climate Change Adaptation Planning in Cambodia and Potential for Improvements.<br/><b>D Va</b></p>                                   | <p>Every state for themselves? Learning from cross-border regulatory instruments.<br/><b>W Steele</b><br/>A national strategy for climate adaptation: rationale, scope and limitations.<br/><b>K Hussey</b><br/>Market Mechanisms for dealing with the Increasing Cost of Catastrophe Losses.<br/><b>R Crompton</b></p> | <p>Foreseeing the Health Effects of Climate Change in Rural Communities: A Translational Research Approach.<br/><b>E Bell</b></p>   | <p>Optimal Time for Catastrophic Losses Mitigation Investment Under Climate Change.<br/><b>C Truong</b></p>   | <p>Optimal Time for Catastrophic Losses Mitigation Investment Under Climate Change.<br/><b>C Truong</b></p>  | <p>Final discussion and wrap-up of Marine Symposium.</p>  | <p>Final discussion and wrap-up of Marine Symposium.</p>  | <p>Final discussion and wrap-up of Marine Symposium.</p>  |

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| <p>1.30pm – 3.00pm<br/>continued</p>   | <p>Mainstreaming Climate Change into the Red Cross Red Crescent Movement: a Solomon Islands Case Study.<br/><b>R McNaught</b></p>   | <p>Social networks analysis.<br/><b>K Patison</b><br/>Costs and coasts.<br/><b>R McAllister</b><br/>Native Title and Climate Change Adaptation.<br/><b>T Tran</b></p>            | <p>Overcoming Challenges for Decision Making About Climate Change Adaptation.<br/><b>K Maani</b></p>  | <p>Drought and Fire Micro-refuges, Resilience and Climate Change.<br/><b>B Mackey</b></p>   | <p>Planning For Adaptive Urban Water Systems Under An Uncertain Future.<br/><b>P Mukheibir</b></p>                                  | <p>Coastal Urban Futures: from Wollongong to Lakes Entrance.<br/><b>B Norman</b></p> |
| <p>Migration, Climate Change and Environmental Security: a Case Study of Two Coastal Districts in Bangladesh<br/><b>T Sarker</b></p>   | <p>Rental housing, climate change and adaptive capacity.<br/><b>J Palmer</b><br/>Enhancing the Adaptive Capacity of Small-to- Medium Enterprises.<br/><b>N Kuruppu</b><br/>Impact of Climate Change on Disadvantaged Groups.<br/><b>A Sevoyan</b></p>                                       | <p>FORAGE - a Web-based System for Delivering Climate, Remote Sensing and Model Calculations for Individual Grazing Properties on a 'Lot on Plan' Basis.<br/><b>J Carter</b></p> | <p>Effective Communication for Community Adaptation to Bushfire in a Changing Climate - A Role for Local Government.<br/><b>S Chaplin</b></p> | <p>How to Balance Urban and Agricultural Water Related Needs Under Changing Conditions in the Maipo Catchment, Chile?<br/><b>H Lehn</b></p> | <p>Climate Change Assessment for Possible Future Landscapes; Hunter and Central Coasts.<br/><b>P Morley</b></p>                     |  |
| <p>Story-telling -the Use of Participatory Video in Communicating CBA Within and Between Communities, and Influencing Policy Decisions in Pacific Island Countries.<br/><b>R James</b></p>   | <p>Cognitive and affective barriers to climate change adaptation.<br/><b>P Bi</b><br/>Climate Change Beliefs and Irrigator Adaptability.<br/><b>S Wheeler</b><br/>Valuing adaptation under rapid change: anticipatory adjustments, maladaptation and transformation.<br/><b>R Jones</b></p> | <p>Preparing for the Impacts of Sea Level Rise in South Western Australia<br/><b>M. Woolf</b></p>  | <p>Reflecting on the adaptive capacity of the public policy sector of fire management.<br/><b>K Bosomworth</b></p>                            | <p>Emerging Issues for Climate Change Adaptation in Water Management.<br/><b>B Rhodes</b></p>   | <p>Using Scenarios to Identify Adaptive Governance Regimes for Marine Biodiversity in a Changing Climate.<br/><b>M Lockwood</b></p> |  |
| <p>3.00 – 3.30pm      Afternoon tea      <b>Grand Lobby</b></p>  |   |  |   |   |   |  |
| <p>3.30 pm – 5.00pm      <b>Closing Plenary 5 Visioning a climate change adapted Australia in 2050</b>      <b>Room: Grand 1-4</b><br/> <b>Jon Barnett</b> (University of Melbourne) – <i>It 'aint what you do, it's the (why) and way you do it: characteristics of an adapting Australia</i><br/> <b>Peter Cosier</b> (Wentworth Group) – <i>What is failure and what is success?</i><br/> <b>Dave Griggs</b> (Monash University) – <i>Visioning a climate change adapted Australia in 2030</i><br/> <b>Conference Wrap-up</b>      <b>Jean Palutikof</b> (NCCARF) &amp; <b>Andrew Ash</b> (CSIRO)</p> |   |  |   |   |   |  |