


**Venue - Brisbane Convention and Exhibition Centre**
**MONDAY 1 September 2008**

TIME	SESSION	ROOM	
08:30	Opening	PTR	<b>Welcome</b> <b>Senator, The Honourable Penny Wong, Minister Climate Change and Water</b>
09:00	A1	PTR	<b>PLENARY:-</b> <b>Chair – Paul Greenfield</b> <ul style="list-style-type: none"> <li>▪ <b>Dr Ger Bergkamp</b>, World Water Council, France – Into hot water: Adapting to a changing climate</li> <li>▪ <b>Dr Jamie Bartram</b>, World Health Organisation, Switzerland - Water and Health - preventable disease and water management</li> </ul>
10:00	<b>Morning Tea</b>		
10:30	<b>CONCURRENT STREAMS:-</b>		
	A2A	P1	<b>Feature: The impacts of river activities on reefs</b> <ul style="list-style-type: none"> <li>▪ <b>Ove Hoegh-Guldberg</b>, The University of Queensland, Australia – Coral reefs in an ocean of change</li> <li>▪ <b>Iain Gordon</b>, CSIRO, Australia - Managing the land to protect the reef</li> <li>▪ <b>Hugh Yorkston</b>, GBRMPA</li> <li>▪ <b>Nick Heath</b>, WWF, Australia - Time running out for the reef - Will the Premier help or hinder?</li> </ul>
	A2B	PTR	<b>Feature: Can scientific knowledge help deliver sustainable environmental allocations? (National Water Commission)</b> <b>Chair – Ken Matthews</b> <ul style="list-style-type: none"> <li>▪ <b>Ken Matthews</b>, National Water Commission, Australia - The NWI and the importance of scientific knowledge</li> <li>▪ <b>Bill Young</b>, CSIRO, Australia - The sustainable yield project – Murray Darling Basin and beyond</li> <li>▪ <b>Jane Doolan</b>, Department of Sustainability and Environment Victoria, Australia - How useful is scientific information in planning?</li> <li>▪ <b>Richard Kingsford</b>, UNSW, Australia - Why is it so hard to get environmental sustainability taken seriously in planning?</li> </ul>
	A2C	P3	<b>Drought management and planning – quantifying and recording</b> <b>Chair – Max Finlayson</b> <ul style="list-style-type: none"> <li>▪ <b>Mohsin Hafeez</b>, Charles Sturt University, Australia - Mapping and monitoring of drought severity in Murrumbidgee catchment using optical-thermal satellite data</li> <li>▪ <b>Nimal Gamage</b>, GHD Limited, New Zealand - Analysis of low flows in selected New Zealand catchments</li> <li>▪ <b>Finlay Martin</b>, Lachlan Catchment Management Authority, Australia - Ranking and apportioning a cost share to catchment scale environmental work programs</li> <li>▪ <b>Danielle Verdon</b>, Sinclair Knight Merz, Australia - Impacts of climate variability and change on Victorian water resources</li> </ul>
	A2D	P2	<b>Environmental flows</b> <b>Chair – Michelle Burford</b> <ul style="list-style-type: none"> <li>▪ <b>Neil Collier</b>, Charles Darwin University, Australia - Exploring scenarios for a tropical river catchment using system dynamics modelling</li> <li>▪ <b>Matthew Pethybridge</b>, Goulburn-Murray Water, Australia - Providing environmental flows through increased irrigation planning</li> <li>▪ <b>Paul Webb</b>, Queensland Murray Darling Committee, Australia - Engaging agricultural communities in NRM with riverine monitoring</li> <li>▪ <b>Kathleen Ahern</b>, Young Water Scientist Finalist, Australia - Toxic cyanobacterium blooms of <i>Lyngbya</i> and links to nutrients in Moreton Bay</li> </ul>
	A2E	M1	<b>Climate change and rivers – social science</b> <b>Chair - Bronwyn Powell</b> <ul style="list-style-type: none"> <li>▪ <b>Hmalan Hunter-Xenie</b>, Charles Darwin University, Australia - Bringing Aboriginal people into water planning – lessons from the Daly River</li> <li>▪ <b>Helen Ross</b>, The University of Queensland, Australia - Resilience in North Queensland catchments</li> <li>▪ <b>Bronwyn Powell</b>, International Water Centre, Australia - Unexpected outcomes: Catchment systems understanding in the Solomon Islands</li> </ul>

			<ul style="list-style-type: none"> <li>▪ <b>Leonie Duncan</b>, Environment Victoria, Australia - Hattah Lakes storylines: Facing the future knowing our past</li> </ul>
	A2F	M2	<p><b>The trials of transboundary rivers – particular aspects of ecosystems</b></p> <p><b>Chair – Ross Fryar</b></p> <ul style="list-style-type: none"> <li>▪ <b>Sarah Holland Clift</b>, Department of Primary Industries Victoria, Australia - Willows: friend or foe? A national approach to willow management in Australia</li> <li>▪ <b>Viktor Lagutov</b>, Central European University, Hungary - Through preservation of Ural River Sturgeon habitats to sustainable watershed management</li> <li>▪ <b>Muhammad Bari</b>, Bangladesh University of Engineering &amp; Technology, Bangladesh - Effect of transboundary flow regulation on wetland and riparian livelihood in the Surma-Kushiyara Basin</li> <li>▪ <b>Rod Lamberts</b>, Australian National University, Australia - Engaging Visions: An update on community, art, and environment</li> </ul>
<b>12:00</b>	<b>Lunch</b>		
<b>13:30</b>	A3A	PTR	<p><b>Feature: The role of markets in facilitating environmentally sustainable water use and management (Department of the Environment, Water, Heritage and the Arts)</b></p> <ul style="list-style-type: none"> <li>▪ <b>James Horne</b>, Department of the Environment, Water, Heritage and the Arts, Australia – Murray-Darling Basin water market reforms</li> <li>▪ <b>Rob Wooding</b>, Department of the Environment, Water, Heritage and the Arts, Australia – The Commonwealth environmental water purchase program – the Department’s perspective</li> <li>▪ <b>Mary Annand</b>, MacIntyre Brook Irrigators Association, Australia – The Commonwealth environmental water purchase program – an industry perspective</li> <li>▪ <b>Laurie Arthur</b>, National Farmers Federation Water Taskforce, Australia - An industry perspective on Murray-Darling Basin water market reforms</li> </ul>
	A3B	M1	<p><b>Floodplain rivers – conservation</b></p> <p><b>Chair – Arlene Buchan</b></p> <ul style="list-style-type: none"> <li>▪ <b>Stuart Blanch</b>, WWF, Australia - Living rivers policy to conserve floodplain rivers in the Northern Territory</li> <li>▪ <b>Lana Heydon</b>, Environmental Protection Agency, Australia - Increasing Wetlands IQ – synthesised science for managers</li> <li>▪ <b>Glenn Walker</b>, The Wilderness Society, Australia - Let it flood - protecting Queensland's vast floodplains</li> </ul>
	A3C	P1	<p><b>Drought management and planning – planning</b></p> <p><b>Chair – Stefan Szykarsk</b></p> <ul style="list-style-type: none"> <li>▪ <b>Daniel Connell</b>, Australian National University, Australia - An international comparative study of management responses to extreme drought</li> <li>▪ <b>Danielle Verdon</b>, Sinclair Knight Merz, Australia - Drought risk in Australia – what can the past tell us about the future?</li> <li>▪ <b>Andrew Ross</b>, Fenner School of Environment and Society, ANU, Australia - The challenge of adaptive groundwater management in Australia and Spain</li> </ul>
	A3D	P2	<p><b>Environmental flows</b></p> <p><b>Chair – Bill O’Kane</b></p> <ul style="list-style-type: none"> <li>▪ <b>Greg Carlyon</b>, Horizons Regional Council, New Zealand - Science and regulation in a time of stress – you want it till you get it: A regional assessment of the science and regulation underpinning the One Plan</li> <li>▪ <b>Stephen Blockwell</b>, Sydney Catchment Authority, Australia - Delivering and evaluating new environmental flows from Avon Dam, Australia</li> <li>▪ <b>Jessica Weir</b>, Australian Institute of Aboriginal and Torres Strait Islander Studies, Australia - Environmental flows and Cultural Flows: what's the difference?</li> <li>▪ <b>Zhifeng Yang</b>, Beijing Normal University, China - Researches on environmental flows for estuaries in China</li> </ul>
	A3E	M3	<p><b>Climate change and rivers</b></p> <p><b>Chair – Michael Wilson</b></p> <ul style="list-style-type: none"> <li>▪ <b>Robert Baldwin</b>, Lake Simcoe Region Conservation Authority, Canada - A framework for contemplating climate change in the Lake Simcoe Basin</li> <li>▪ <b>Jamie Pittock</b>, WWF &amp; Australian National University, Australia - Freshwater conservation &amp; climate change adaptation lessons from WWF projects</li> <li>▪ <b>Jane Skrandies-Martin</b>, The University of Queensland, Australia - Microclimatic extremes upset macroinvertebrates in tropical, montane, low order streams</li> <li>▪ <b>Stephen Hamilton</b>, Michigan State University, USA - Waterholes of Australian dryland rivers: Valuable but vulnerable</li> </ul>
	A3F	M2	<p><b>Responsible mining</b></p> <p><b>Chair – Ian Rae</b></p> <ul style="list-style-type: none"> <li>▪ <b>Chris Moran</b>, The University of Queensland, Australia - A risk-based assessment of the value of water in mining</li> <li>▪ <b>K. D. Wasantha Nandalal</b>, University of Peradeniya, Peradeniya, Sri Lanka - Impact of gem mining on a river in Sri Lanka</li> </ul>

			<ul style="list-style-type: none"> <li>▪ <b>Yulia Salmina</b>, Novosibirsk Region Social Committee for Water Protection, Russian Federation - Rivers pollution in oil production areas in Siberia</li> <li>▪ <b>Ronald Busiinge</b>, Earthsavers Movement Uganda Chapter, Uganda - Free prior and informed consent (FPIC) concept to responsible mining in sustaining rivers and communities</li> </ul>
<b>15:00</b>	<b>Afternoon Tea</b>		
<b>15:30</b>	A4	PTR	<b>PLENARY:-</b> <b>Chair – Di Tarte</b> <ul style="list-style-type: none"> <li>▪ <b>Dr Andrew Ash</b>, CSIRO, Australia - Climate change and water resources: adaptive responses are needed now</li> <li>▪ <b>Case study – The First International Riverprize winner, The Mersey River, Walter Menzies</b>, Mersey Basin Campaign, UK – Mersey – the river that changed the world</li> </ul>
<b>17:00-17:30</b>		PTR	<b>SUMMARY SESSION</b>
<b>17:30</b>	<b>Day 1 Closed</b>		
<b>19.00</b>	<b>2008 Thiess Riverprize Presentation Dinner</b>		

## TUESDAY 2 September 2008

TIME	SESSION	ROOM	
08:30	B1	PTR	<b>PLENARY:-</b> <b>Chair – Dale Smart</b> <ul style="list-style-type: none"> <li>▪ <b>Dr Charlotte de Fraiture</b>, International Water Centre, Sri Lanka - Water for food and fuel in a changing world</li> <li>▪ <b>2008 International Thiess River prize winner</b> – St Johns River, Maurice Sterling</li> <li>▪ <b>Case Study – Paraguay and Parana Rivers, Glauco Freitas</b>, TNC, Brazil - The Nature Conservancy and the Paraguay-Paraná Basin conservation</li> </ul>
10:00	<b>Morning Tea</b>		
10.30 - 17.30	Study Tours		<ul style="list-style-type: none"> <li>▪ <b>Western Corridor</b></li> <li>▪ <b>Moreton Bay Wetlands</b></li> <li>▪ <b>Brisbane Airport and Gateway Upgrade Project</b></li> </ul>
10:30	B2A	P1	<b>Feature: Water, NRM and the 'people issues'</b> <b>Chair – Brad Lewis</b> <ul style="list-style-type: none"> <li>▪ <b>Tim Lynam</b>, CSIRO, Australia - Emerging and innovative approaches to social research / supporting effective environmental decision making - case study water &amp; the Great Barrier Reef</li> <li>▪ <b>Col Freeman</b>, SEQ Catchments, Australia - A catchment management perspective - challenges in stakeholder engagement and the implementation of water quality improvement projects</li> <li>▪ <b>John Mackenzie</b>, Socio-Legal Research Centre, Griffith University, Australia - More seats, more tables: Methods for enhancing public participation in water planning &amp; management</li> <li>▪ <b>Brad Lewis</b>, Independent facilitator/ mediator, Australia - Engaging complex NRM/Water issues - possibilities through effective negotiation, facilitation &amp; partnership development</li> <li>▪ <b>Natalie Baker</b>, International Riverfoundation, Australia - Partnerships for River Restoration: case studies from Australian and international perspectives</li> </ul>
	B2B	PTR	<b>Feature: Tomorrow's climate, today: How Victoria is dealing with a future of extremes</b> <ul style="list-style-type: none"> <li>▪ <b>Jane Doolan</b>, Victoria Department of Sustainability and Environment, Australia</li> <li>▪ <b>Graeme Dear</b>, East Gippsland Catchment Management Authority, Australia</li> <li>▪ <b>Kylie DeBono</b>, West Gippsland Catchment Management Authority, Australia</li> <li>▪ <b>Paul Bennet</b>, Victoria Department of Sustainability and Environment, Australia</li> </ul>
	B2C	M1	<b>Responsible mining – monitoring</b> <b>Chair – Murray Swyripa</b> <ul style="list-style-type: none"> <li>▪ <b>Claire Cote</b>, The University of Queensland, Australia - A systems modelling approach to manage discharge to rivers</li> <li>▪ <b>Lauren Thorburn</b>, frc environmental, Australia - Developing a rigorous aquatic ecological monitoring program at a Central Queensland mine</li> <li>▪ <b>Ian Campbell</b>, Australia - Ok Tedi Mine – leaving time bombs on the Fly River floodplain</li> <li>▪ <b>Elena Bocharnikova</b>, Physical Chemical and Biological Problems of Soil Science Russian Academy of Sciences, Russian Federation - Purification of wastewaters from mining and possibility of regulating heavy metal concentrations in environmental flows</li> </ul>
	B2D	P2	<b>Environmental flows</b> <b>Chair – Jamie Pittock</b> <ul style="list-style-type: none"> <li>▪ <b>Bill O'Kane</b>, Goulbourn Broken Catchment Management Authority, Australia - Landscape Change – Is it worth the pain?</li> <li>▪ <b>Glenda Pickersgill</b>, Save the Mary River Coordinating Group, Australia - What is special about the Mary River's threatened ecological communities?</li> <li>▪ <b>Robert Baldwin</b>, Lake Simcoe Region Conservation Authority, Canada - Stormwater management concepts to enhance environmental flows</li> <li>▪ <b>Kasper Johansen</b>, Young Water Scientist Finalist, Australia - Monitoring riparian zone condition using image and field based assessment methods</li> </ul>
	B2E	M3	<b>Climate change and rivers – water planning</b> <b>Chair – Eva Abal</b> <ul style="list-style-type: none"> <li>▪ <b>Georghe Constantin</b>, Federal Ministry of Environment, Nature Conservation and Nuclear Safety, Germany - European initiatives for adaptation to climate change in river basin management</li> <li>▪ <b>Claudia Baldwin</b>, University of Sunshine Coast, Australia - The risk in water planning</li> <li>▪ <b>Simone Maynard</b>, SEQ Catchments, Australia - Managing South East Queensland's ecosystem services for the future</li> </ul>
	B2F	M2	<b>Maintaining food production</b> <b>Chair – Tim Wrigley</b> <ul style="list-style-type: none"> <li>▪ <b>Justin Story</b>, CSIRO, Australia - Framework to support irrigation decision-making in complex and changing</li> </ul>

			<p>times</p> <ul style="list-style-type: none"> <li>▪ <b>Adam Connell</b>, Burdekin Bowen Integrated Floodplain Management Advisory Committee Inc., Australia - On-farm water quality monitoring for irrigators in the Lower Burdekin</li> <li>▪ <b>Andy Marr</b>, SMEC Australia, Australia - GIS-based decision support system for conjunctive irrigation management in India</li> <li>▪ <b>Puttaswamaiah Sanjeevaiah</b>, Bangalore University, India - Linking river basins for agriculture development: Insights from India</li> </ul>
<b>12:00</b>	<b>Lunch</b>		
<b>13:30</b>	B3A	PTR	<p><b>Feature: Dialogue water, energy and climate change</b></p> <p><b>Chair – Bruce Hooper</b></p> <p><b>Welcome and Purpose</b> - Professor Torkil-Jønch Clausen, DHI Water Policy, Denmark</p> <p><b>Scene Setting Presentations for Dialogue</b> - Chair: Bruce Hooper, DHI Water Policy, Australia</p> <p><b>Speakers</b></p> <ul style="list-style-type: none"> <li>▪ <b>Torkil-Jønch Clausen</b>, European Water Partnership, DHI, Denmark - Water, Energy and Climate Change – A European Water Partnership Perspective</li> <li>▪ <b>Ger Bergkamp</b>, World Water Council, France - Adapting to Change or Changing to Adapt?</li> <li>▪ <b>David Barnes</b>, Australian Water Association, Australia - Implications for the Urban Water Sector</li> <li>▪ <b>Ken Matthews</b>, National Water Commission, Australia - Implications of Climate Change for Water Management in Australia</li> </ul>
	B3B	P2	<p><b>Maintaining food production</b></p> <p><b>Chair – Lindsay White</b></p> <ul style="list-style-type: none"> <li>▪ <b>Yemi Akegbejo-Samsons</b>, University of Agriculture, Nigeria - Climate change impacts on fisheries production in land-water interface</li> <li>▪ <b>James Neal</b>, Young Water Scientist Finalist, Australia - Choosing forages to improve water use efficiency for dairy production</li> <li>▪ <b>Thiru Arumugam</b>, Freelance Consulting Engineer, Australia - Countering climate change: maintaining food production in Jaffna, Sri Lanka</li> <li>▪ <b>Tim Wrigley</b>, Canegrowers, Australia - Nutrient application rates and their evolution in the Australian sugar cane industry</li> </ul>
	B3C	M3	<p><b>Floodplain rivers – impacts</b></p> <p><b>Chair - Stephen Hamilton</b></p> <ul style="list-style-type: none"> <li>▪ <b>Pulat Mavlyanov</b>, Institute of Hydrogeology and Engineering Geology, Uzbekistan - Transboundary floods in the territories of Fergana Valley of Uzbekistan</li> <li>▪ <b>David Rissik</b>, Queensland Environmental Protection Agency, Australia - And the rain came falling down: Monitoring the effects of flooding in the Logan Albert estuary</li> <li>▪ <b>Thang Nam Do</b>, Young Water Scientist Finalist, Australia - Impact of alternative dyke management strategies on wetland values in the Mekong Delta</li> <li>▪ <b>Fahmi Hidayat</b>, Jasa Tirta I Public Corporation, Indonesia - Impact of climate change on floods in Solo and Brantas River Basins Indonesia</li> </ul>
	B3D	M2	<p><b>Responsible mining</b></p> <p><b>Chair - Stuart Blanch</b></p> <ul style="list-style-type: none"> <li>▪ <b>Badra Kamaladasa</b>, Irrigation Department of Sri Lanka, Sri Lanka - Challenges in river management due to excessive sand mining</li> <li>▪ <b>Sue Vink</b>, The University of Queensland, Australia - Riparian biodiversity structure and function: implications for mine lease management</li> <li>▪ <b>Sergey Popov</b>, Centre for Ecologic Adversity Counteraction, Russian Federation - Mining in the Middle Don River Basin: threats and counteraction</li> <li>▪ <b>Ranjana Piyadasa</b>, University of Colombo, Sri Lanka - Sri Lanka River sand mining in Southern Sri Lanka and its effect on environment</li> </ul>
	B3E	P1	<b>Feature: 2008 Thiess Riverprize Finalists</b>
<b>15:00</b>	<b>Afternoon Tea</b>		
<b>15:30</b> <b>17:30</b>	B4A	PTR	<p><b>Feature: Dialogue on water, energy and climate change</b></p> <p><b>Scene Setting Presentations for Dialogue</b></p> <p><b>Chair - Bruce Hooper</b></p> <p><b>Speakers</b></p> <ul style="list-style-type: none"> <li>▪ <b>Greg Claydon, Randall Cox</b>, Strategic Water Initiatives, QLD Department of Natural Resources and Water, Australia - Water, Energy and Climate Change – Queensland's Issues and Perspectives</li> <li>▪ <b>Stephen Dovers</b>, Fenner Centre of Environment, Australian National University, Australia - Climate, energy and water: challenges of policy integration</li> <li>▪ <b>Karen Hussey</b>, Water Initiative, and Vice Chancellor's Representative in Europe, The Australian National University Belgium - Accounting for the energy-water nexus in local, national and international policy-making: an international R&amp; D effort</li> <li>▪ <b>Stephen Kenway</b>, CSIRO Land and Water, Australia - Energy consumption for urban water use: Australian</li> </ul>



		<p>capital city projections</p> <ul style="list-style-type: none"> <li>▪ <b>Louise Korsgaard</b>, DHI Water Policy, Singapore, and representing Public Utilities Board of Singapore - The Water, Energy, Climate Change Nexus: a Singaporean Perspective</li> <li>▪ <b>Deborah Marsh</b>, University of Technology, Australia - Water-energy nexus: an Australian perspective</li> </ul> <p><b>Dialogue – Australian Policy Options and Actions, and Reporting to the World Water Forum</b></p> <p>Facilitator: Torkil-Jønch Clausen, DHI Water Policy, Denmark  Rapporteur: Bruce Hooper, DHI Water Policy, Brisbane  Dialogue participants: speakers as above and attendees</p> <p><b>Conclusions, Roadmap to World Water Forum</b></p> <p>Presenter: Torkil Jønch-Clausen</p>
B4B	M3	<p><b>Urban rivers - Water quality</b></p> <p><b>Chair – Alan Barton</b></p> <ul style="list-style-type: none"> <li>▪ <b>Kylie Catterall</b>, Young Water Scientist Finalist, Australia - Development of a rapid microbial-based toxicity assay for waters &amp; wastewaters</li> <li>▪ <b>Maurice Mathews</b>, Maroochy Shire Council, Australia - Managing urbanising catchments for waterway resilience</li> <li>▪ <b>Brendan Farthing</b>, CSIRO Land and Water, Australia - A statistical tool for setting water quality guidelines and testing water quality targets</li> <li>▪ <b>Paul Hough</b>, QLD Environmental Protection Agency, Australia - Doing the RAP in South East Queensland</li> <li>▪ <b>James Udy</b>, SEQ Water, Australia - Understanding natural processes to predict water quality</li> <li>▪ <b>Graham Webb</b>, Maroochy Shire Council (Sunshine Coast Regional Council), Australia - Rapid assessment of waterway health based on quantifying riparian vegetation.</li> </ul>
B4C	M2	<p><b>Floodplain rivers – mitigation, preparedness</b></p> <ul style="list-style-type: none"> <li>▪ <b>Alastair Driver</b>, Environment Agency, UK - Managing floods and biodiversity on a crowded and shrinking island</li> <li>▪ <b>Abdula Bansuan</b>, Allah Valley Landscape Development Alliance, Philippines - Invigorating local governance towards effective river system management</li> <li>▪ <b>Muhammed Bhuiyan</b>, Bangladesh University of Engineering &amp; Technology, Bangladesh - A case study on participatory management of fishpass in Bangladesh</li> <li>▪ <b>Arum Wulandari</b>, YE Water Program, Indonesia - Household approach in reducing flood disaster effect in Jakarta, Indonesia</li> <li>▪ <b>Supriyo Nandy</b>, Moksha, India - River of riches - study of great flood plain river: Ganges</li> </ul>
B4D	P2	<p><b>Environmental flows</b></p> <p><b>Chair – Martin Read</b></p> <ul style="list-style-type: none"> <li>▪ <b>James Wyatt</b>, GHD Pty Ltd, Australia - WWTP discharges as environmental flows?</li> <li>▪ <b>Fernanda Adame</b>, The University of Queensland, Australia - Ecosystem services provided by riverine and tidal dominated mangroves: retention of dissolved nutrients</li> <li>▪ <b>Sandeep Behera</b>, WWF India, India - Environmental flow requirements vis-à-vis habitat use pattern of freshwater dolphins</li> <li>▪ <b>Jan Hania</b>, Waikato Regional Council (Environment Waikato), New Zealand - Innovations in protecting water quality through implementing a nitrogen cap</li> <li>▪ <b>Andrew Olds</b>, frc environmental, Australia - Regulation of river flow maintains health in the Barron Gorge</li> <li>▪ <b>Kathryn Reardon-Smith</b>, The University of Southern Queensland, Australia - Riparian woodlands in crisis? Disturbance ecology on the Condamine floodplain</li> </ul>
B4E	P1	<p><b>Climate change and rivers</b></p> <p><b>Chair – Richard Kingsford</b></p> <ul style="list-style-type: none"> <li>▪ <b>Greg Hales</b>, Blackwood Basin Group, Australia - Creative solutions to river functioning in a change climate</li> <li>▪ <b>Jamie Pittock</b>, WWF &amp; Australian National University, Australia - The threat to freshwater conservation from climate change policies</li> <li>▪ <b>Malin Pinsky</b>, Stanford University, USA - Conservation for resilience: global and local perspectives with salmon</li> <li>▪ <b>Shrikant Daji Limaye</b>, Ground Water Institute, Belarus - The role of UNESCO-IUGS-IGCP's project "GROWNET" in watershed management in low-income countries in view of forthcoming harsh climatic pattern</li> <li>▪ <b>Olita Ogonjo</b>, Tweed Kenya Mentoring Program, Kenya - Climate change and drying dams - community action to improve water security in rural Kenya</li> </ul>
B4F	M1	<p><b>Feature: The future of irrigation (SKM)</b></p> <p>Each speaker will be given 10 minutes to put forward one or two big ideas on the future of irrigation in Australia in a provocative way. Following each talk the audience will be invited to question the speaker and panel on this theme.</p> <p>1500-1510: <b>Dr Nick Fleming</b> (facilitator) - Introduces SKM and the panel members  1510-1525: <b>Stephen Mills</b> - Industry perspective on the future of irrigation  1525-1540: <b>Mr Joe Flynn</b> - International positioning and know-how export opportunities for the irrigation sector</p>

			1540-1605: <b>Dr Ian Prosser</b> - Water for future irrigation – managing the risks. 1605-1620: <b>Dr Danielle Verdon</b> - Climate implications for the future of irrigation 1620-1635: <b>Prof Richard Kingsford</b> - Is irrigation ecologically sustainable and if not what do we do? 1635-1650: <b>Dr John Langford</b> - Bringing it together – aspiration into practice 1650-1700: <b>Dr Nick Fleming</b> - Final discussion, thanks & close
<b>17:45</b> – <b>19:00</b>			<b>POSTER VIEWING and DRINKS</b>

**WEDNESDAY 3 September 2008**

TIME	SESSION	ROOM				
8.30	C1	PTR	<b>PLENARY:-</b> <b>Chair - QUT</b> <ul style="list-style-type: none"> <li>▪ <b>Herbert Dreiseitl</b>, Founder and Owner, Atelier Dreiseitl, Artist and Landscape Architect specialising in urban and water design</li> <li>▪ <b>2008 National Thiess Riverprize Winner</b> – Lake Macquarie, Jeff Jansson</li> <li>▪ <b>2008 Riversymposium Young Water Scientist Award</b> supported by <b>GHD Pty Ltd</b></li> </ul>			
10:00	<b>Morning Tea</b>					
			<b>General Concurrent Sessions</b>	<b>Urban Waters Program Concurrent Sessions</b>		
10:30	C2A	M3	<b>Feature: Murray Darling Basin Commission (MDBC)</b> <b>Chair – Les Roberts</b> <ul style="list-style-type: none"> <li>▪ <b>Sharon Davis</b>, MDBC, Australia - Lessons in maintaining transborder programs</li> <li>▪ <b>Matthew Barwick</b>, MDBC, Australia - Impacts of drought and climate change on native fish communities in the MDB</li> <li>▪ <b>Michael Wilson</b>, MDBC, Australia - Sustainable rivers audit – an assessment of river health in the MDB</li> <li>▪ <b>Jason Alexandra</b>, MDBC, Australia - Agriculture and water market dynamics</li> </ul>	<b>S E S S I O N</b>	<b>R O O M</b>	Delegates can chose to attend a full day program on Urban Water issues or swap between other concurrent Sessions
	C2B	M1	<b>Floodplain rivers – assessment, prediction</b> <b>Chair – Bruce Hooper</b> <ul style="list-style-type: none"> <li>▪ <b>Tyrone Parkinson</b>, Wallingford Software, UK - Lessons learnt from an internet based public flood warning system</li> <li>▪ <b>John Male</b>, GHD Limited, New Zealand - Assessment of flood risk of the Cardrona River floodplain</li> <li>▪ <b>Jennifer Payne</b>, Lake Simcoe Region Conservation Authority, Canada - Developing mapping tools to identify flood vulnerable features for emergency response</li> </ul>	C2F	PTR	<b>Urban Waters Plenary Session</b> <b>Chair – Alan Hoban</b> <ul style="list-style-type: none"> <li>▪ <b>Tony Wong</b>, EDAAW, Australia - Stormwater management in a water sensitive city</li> <li>▪ <b>Daniel Spiller</b>, Queensland Water Commission, Australia - Implementing the SEQ Water Strategy: Total water cycle management in SEQ</li> <li>▪ <b>Jennifer Turpin</b>, Jennifer Turpin Studio, Australia - A flow of Ideas: Water, art and environment</li> </ul>
	C2C	P2	<b>Environmental flows</b> <b>Chair – Nick Schofield</b> <ul style="list-style-type: none"> <li>▪ <b>Don Goodyear</b>, Lake Simcoe Region Conservation Authority, Canada - Environmental flows – assessment and management in the province of Ontario, Canada</li> <li>▪ <b>Hui Zhao</b>, Beijing Normal University, China - The ecological restoration potential of the Lancang River disturbed by hydropower development in China</li> <li>▪ <b>Zhou Yaozhou</b>, Asian Development Bank, China - Promoting environmental flow management in Asian rivers - policy, cases and lessons</li> <li>▪ <b>Chris Lane</b>, GHD Pty Ltd, Australia - Let the information flow: A Murray-Darling Basin case study</li> </ul>			Refer C2F
	C2D	P1	<b>Climate change and rivers - assessments of overall health</b> <b>Chair – Tony Church</b> <ul style="list-style-type: none"> <li>▪ <b>Aniela Grun</b>, NRM South, Australia - A TRiCI response to climate change predictions?</li> <li>▪ <b>Jean Foster</b>, University of Oxford, UK - Large-scale hydrological metrics: A</li> </ul>			Refer C2F



			composite river sustainability index <ul style="list-style-type: none"> <li>▪ <b>Luke Twomey</b>, Swan River Trust, Australia - Potential impacts of climate change on the Swan and Canning rivers, Perth WA.</li> <li>▪ <b>Jeff Austin</b>, Great Artesian Basin Coordinating Committee, Australia - The Great Artesian Basin - a 'River' of Extremes</li> </ul>			
	C2E	M2	<b>The trials of transboundary rivers – big rivers</b> <b>Chair – Greg Raisin</b> <ul style="list-style-type: none"> <li>▪ <b>Philip Weller</b>, International Commission for the Protection of the Danube River, Austria - Applying the EU water framework directive in the Danube River Basin</li> <li>▪ <b>Farhet Ahmad Shaheen</b>, Sher-i-Kashmir University of Agricultural Sciences and Technology of Kashmir, India - Sustaining energy and food security in transboundary riversystems: case of Indus basin</li> <li>▪ <b>Yusup Kamalov</b>, Union for Defense of the Aral Sea and Amudarya, Uzbekistan - Ethic argues for transboundary rivers protection.</li> <li>▪ <b>Hongjuan Zhai</b>, Beijing Normal University, China - Cascade dams, ecological security, Lancang-Mekong River</li> </ul>			Refer C2F
<b>12:00</b>	<b>Lunch</b>					
	<b>Meeting: Australian Water Forum meeting - Facilitated by Torkil Jonch Clausen and Mark Pascoe - PTR</b>					
			<b>General Concurrent Sessions</b>	<b>Urban Waters Programme Concurrent Sessions</b>		
<b>13:30</b>	C3A	M3	<b>Feature: Murray Darling Basin Commission (MDBC)</b> <ul style="list-style-type: none"> <li>▪ <b>Ian Burns</b>, MDBC, Australia - Blueprints</li> <li>▪ <b>Lindsay White</b>, MDBC, Australia - Buying irrigation water for the environment – lessons from the market in a transboundary programme</li> <li>▪ <b>Neil Ward</b>, MDBC, Australia – Effective indigenous involvement in the living Murray – introducing a new methodology</li> <li>▪ <b>Bruce Campbell</b>, MDBC, Australia - Drought contingency plan</li> </ul>	C3E	PTR	<b>Towards water sensitive cities</b> <b>Chair – Ed Haysom</b> <ul style="list-style-type: none"> <li>▪ <b>Alan Hoban</b>, South East Queensland Healthy Waterways Partnership, Australia - The mainstreaming of water sensitive urban design in South East Queensland</li> <li>▪ <b>Ira Artz</b>, Tetra Tech, Inc., USA - The Los Angeles river revitalization master plan</li> <li>▪ <b>Nathan Waltham</b>, Gold Coast City Council, Australia - Artificial urban waterways: fish habitats, fish health and fish edibility</li> </ul>
	C3B	P2	<b>Environmental flows</b> <b>Chair – Nadeem Samnakay</b> <ul style="list-style-type: none"> <li>▪ <b>He Chen</b>, Beijing Normal University, China - Application of river classification to define environmental flow in the Liao River</li> <li>▪ <b>Rebeca González-Villela</b>, Mexican Institute of Water Technology, Mexico - Comparative study of three methods for the calculation environmental flows</li> <li>▪ <b>Sarah Foy</b>, Sinclair Knight Mertz, Australia - Characterising existing riverine conditions prior to environmental flow releases</li> <li>▪ <b>Luciano Meneses Cardoso da Silva</b>, National Water Agency, Brazil - Environmental flows: legal possibilities in Brazil</li> <li>▪ <b>Vannara Tek</b>, Culture and Environment Preservation Association, Cambodia - Villager research (In Khmer Language call Salaphoum.)</li> </ul>	C3F	M2	<b>Water supplies for 21<sup>st</sup> Century cities</b> <ul style="list-style-type: none"> <li>▪ <b>Stephen Ring</b>, Western Corridor Recycled Water Project Pty Ltd, Australia - Diversifying South East Queensland's water supplies through purified recycled water</li> <li>▪ <b>Wai-Tong Wong</b>, Department of Natural Resources and Water, Australia - Ensuring security of water supply for regional Queensland over the next 50 Years</li> <li>▪ <b>Wei Yang</b>, Beijing Normal University, China - An optimal environmental water allocation model for urban rivers</li> <li>▪ <b>Alan Barton</b>, Brisbane City Council, Australia. Integrated water cycle planning processes and systems: a local government case study.</li> <li>▪ <b>David Hamlyn-Harris</b>, Bligh Tanner Pty Ltd, Australia - South Bank SHARC – An iconic project for an icon of Brisbane</li> <li>▪ <b>Neil Tripodi</b>, Environmental Protection Agency, Australia - Managing brine concentrate discharges in drought conditions</li> </ul>
	C3C	P1	<b>Climate change and rivers – Water quality</b> <b>Chair – Nick Heath</b>			

			<ul style="list-style-type: none"> <li>▪ <b>John Tisdell</b>, Griffith University, Australia -Regulating non-point pollution in rivers and streams</li> <li>▪ <b>Ben Longstaff</b>, University of Maryland Center of Environmental Science, USA - The growing popularity of ecosystem health report cards: a management, communication and advocacy tool</li> <li>▪ <b>Wayne Tennant</b>, Goulburn Broken Catchment Management Authority, Australia - The Goulburn Broken water quality strategy – 10 years on</li> <li>▪ <b>Jerry Maroulis</b>, University of Southern Queensland, Australia - It's getting drier? Palaeoclimatic evidence from Cooper Creek, central Australia</li> <li>▪ <b>Never Mujere</b>, University of Zimbabwe, Zimbabwe - Examining the impact of climate change on reservoir reliability</li> <li>▪ <b>Arturo Pasa</b>, Visayas State University, Philippines - Smallholders' contribution on climate change mitigation and water quality</li> </ul>			
	C3D	M1	<p><b>The trials of transboundary rivers</b>  <b>Chair – Ian Campbell</b></p> <ul style="list-style-type: none"> <li>▪ <b>Mara Brun</b>, Green Cross, Australia - WWF and Green Cross seek urgent ratification of UN Watercourses Convention</li> <li>▪ <b>Tom Campbell</b>, SA Water Corporation, Australia - Murray Mouth Sand Pumping: keeping the tides flowing</li> <li>▪ <b>Viacheslav Manukalo</b>, State Hydrometeorological Service, Ukraine - Management of water quality within transboundary river basins: Case study of Ukraine</li> <li>▪ <b>Igor Liska</b>, International Commission for the Protection of the Danube River, Austria - Joint monitoring of a shared international river basin - the Danube.</li> <li>▪ <b>Luke Onyekakeyah</b>, Guardian Newspapers, Lagos, Nigeria - Lake Chad: A study of a drying freshwater reservoir</li> </ul>			
15:30	Afternoon Tea					
				Urban Renewal Concurrent Sessions		
16:00	C4A	PTR	<p><b>PLENARY:-</b>  <b>Chair – Mark Pascoe</b></p> <p><b>Case Study - The Dnieper and Pripyat Rivers, Dr Dmitri Gudkov</b>, Institute of Hydrobiology, Ukraine - The legacy of Chernobyl</p> <p><b>Case Study - Pangani River, Hazma Sadiki</b>, Pangani Basin Water Board, Tanzania</p>	C4B	M2	<p><b>The Human Factor</b>  <b>Chair – Helen Ross</b></p> <ul style="list-style-type: none"> <li>▪ <b>Suzanne Hoverman</b>, The University of Queensland, Australia - Epistemological gymnastics: challenges to knowledge systems from water cycle research</li> <li>▪ <b>Mark Williams</b>, Tetra Tech, Inc., USA - Lessons learned in watershed planning: Aliso Creek, California, USA</li> <li>▪ <b>Sylvie Shaw</b>, The University of Queensland, Australia - Values of the Brisbane River</li> <li>▪ <b>Bill Dennison</b>, University of Maryland Center for Environmental Science, USA - Global lessons for achieving healthy waterways: The legacy of Riverprize</li> </ul>

				C4C	M3	<b>Clean Waters – Healthy Waters</b> <b>Chair – James Udy</b> <ul style="list-style-type: none"> <li>▪ <b>Wayne Tingey</b>, Department of Water, Australia - Collie River salinity recovery – improving water resources in a competing environment</li> <li>▪ <b>Corinne Garnett</b>, Environmental Protection Agency, Australia - Information management of point source monitoring</li> <li>▪ <b>Sobhanlal Bonnerjee</b>, S. Bonnerjee and architects, India - Multifunctional role for urban waterways in changing waterways</li> </ul>
17:00		PTR	<b>SUMMARY SESSION</b>			
17:30						
19:00			<b>RIVERCITY DINING</b> ( <i>optional – not included in registration fee</i> )			

## THURSDAY 4 September 2008

TIME	SESSION	ROOM	
08:30	D1A	P1	<p><b>Feature Session: The future of our rivers: Global perspectives on collaboration, integrated water management and climate change (International Riverfoundation)</b></p> <p>This session will be interactive in style, participants breaking into groups to discuss issues with experts such as Thiess Riverprize representatives Amos Brandeis (Alexander River Restoration Administration, 2003) Johnny Sundstrom (Siuslaw Institute, 2004) and Wayne Tennant (Goulburn Broken CMA, 2001), as well as other practitioners such as Alastair Driver (UK Environment Agency). Issues discussed will include:</p> <ol style="list-style-type: none"> <li>1. Stakeholder participation, science, and decision-making in Integrated Water Management</li> <li>2. Partnerships and collaboration in catchment/watershed management</li> <li>3. Climate Change and mitigating the effects through river and catchment management</li> </ol> <p>At the end of the session, participants will have the opportunity to comment on facilitators' synthesis of group discussions and issues identified.</p>
	D1B	PTR	<p><b>Feature: Multidisciplinary research for floodplain renewal and reef water quality protection in Australia (CSIRO)</b></p> <p><b>Chair – Bill Young</b></p> <ul style="list-style-type: none"> <li>▪ <b>Frederieke Kroon</b>, CSIRO, Australia - Science informing the development of the Tully Water Quality Improvement Plan</li> <li>▪ <b>Iris Bohnet</b>, CSIRO, Australia - Future visions for the Tully catchment - a participatory planning approach</li> <li>▪ <b>Tony Webster</b>, CSIRO, Australia - Identification of land management options for improving water quality in the Tully catchment.</li> <li>▪ <b>David Westcott</b>, CSIRO, Australia - Maximising biodiversity outcomes for water quality</li> <li>▪ <b>David McJannet</b>, CSIRO, Australia - The potential for tropical wetlands to improve water quality</li> </ul>
	D1C	M1	<p><b>Drought management and planning</b></p> <p><b>Chair – Greg Claydon</b></p> <ul style="list-style-type: none"> <li>▪ <b>Colin Limpus</b>, Queensland Environmental Protection Agency, Australia - Freshwater turtle conservation management strategies in response to drought and river modification</li> <li>▪ <b>Homayoun Motiee</b>, Power and Water University of Technology, Iran (Islamic Republic of) - Arid and semi-arid regions' rivers under stress: the case of Karoun River in West of Iran</li> </ul>
	D1D	P2	<p><b>Environmental flows</b></p> <p><b>Chair – Randall Cox</b></p> <ul style="list-style-type: none"> <li>▪ <b>Yuriy Popov</b>, "Ecotera" Ltd., Kazakhstan - Environmental flows for fighting against desertification in river deltas</li> <li>▪ <b>Nicholas Schofield</b>, Sinclair Knight Merz, Australia - Strengthening environmental water governance in Australia</li> <li>▪ <b>Arlene Buchan</b>, Australian Conservation Foundation, Australia - Market based instruments for environmental water recovery</li> <li>▪ <b>Sophie Hansen</b>, Waterfind Pty Ltd, Australia – The future in water trading</li> </ul>
10:30	<b>Morning Tea</b>		
11:00	D2	PTR	<b>CLOSING PLENARY</b>
12:30	<b>SYMPOSIUM CLOSED</b>		
13:30 – 17:30	<b>Training Session</b> Effective stakeholder engagement, partnership development and capacity building approaches for river and wetland health		