

SUNDAY 2 September 2007

TIME	ROOM	TRAINING SESSIONS		
08:30	P1	E2: A tool for managing catchment water quality and quantity <i>Presented by eWater CRC</i>	P2	Water Transactions for Environmental Flows: Lessons Learned and Future Prospects <i>Presented by NFWF and WaterFind Environment Fund</i>
10:30	MORNING TEA			
11:00	P1	E2: A tool for managing catchment water quality and quantity <i>Presented by eWater CRC</i>	P2	Water Transactions for Environmental Flows: Lessons Learned and Future Prospects <i>Presented by NFWF and WaterFind Environment Fund</i>
12:30	LUNCH			
14:00	P1	E2: A tool for managing catchment water quality and quantity <i>Presented by eWater CRC</i>	P2	Water Transactions for Environmental Flows: Lessons Learned and Future Prospects <i>Presented by NFWF and WaterFind Environment Fund</i>
15:30	AFTERNOON TEA			M1 'Run of the River': policy and education, together at last! - How a simple board game is linking policy development with discussion, myth busting and better understanding around environmental flows. <i>Presented by Dept of Sustainability and Environment, Victoria</i>
16:00	P1	E2: A tool for managing catchment water quality and quantity <i>Presented by eWater CRC</i>	P2	Water Transactions for Environmental Flows: Lessons Learned and Future Prospects <i>Presented by NFWF and WaterFind Environment Fund</i>
17:30	CLOSE			

MONDAY 3 September 2007

TIME	SESSION	ROOM	
08:30		Plaza Ballroom	Welcome: Governor of Queensland, Ms Quentin Bryce AC Cr David McLachlan, Hamilton Ward, City of Brisbane
09:15	A1A	Plaza Ballroom	PLENARY: Chair: Paul Greenfield, The University of Queensland * Dr Nick Davidson, Switzerland: Wetlands for water and people: flowing together for a sustainable environment * Lucy Emerton, Sri Lanka: Counting natural ecosystems as an economic part of water infrastructure
10:15	Morning Tea (Plaza Foyer)		
10:45	CONCURRENT STREAMS:-		
	A2A	Plaza Ballroom	ENVIRONMENTAL FLOWS PANEL SESSION: Chair: Angela Arthington, Australia Brian Richter, USA Ger Bergkamp, Switzerland Michael McLain, USA Bruce Aylward, USA Jamie Pittock, Australia Rebecca Tharme, Sri Lanka Leroy Poff, USA

	A2B	Plaza Terrace Room	<p>URBAN RIVERS:- Chair: Martin Betts, QUT Peter Telford, Canada: The Future of Toronto's Don River Karin Krchnak, USA: Rewarding Water Utilities for Environmental Stewardship: A New Concept in Certification for the Water Sector Phil Edwards, Melbourne: Perspectives of an environmental flow manager - directions in water resource management</p>
	A2C	M3	<p>RIVER BUSINESS:- Chair: Nick Apostilidis, GHD Pty Ltd Wouter T. Lincklaen Arriens, Asian Development Bank, Philippines: Investing in Asia's river basins: What lies ahead? Russell Rollasson, AusAID, Vientiane: Australia's interests and plans for assisting the people of the Mekong River basin Rafik Hirji, World Bank, USA: Water Resources and Environmental Management at the World Bank: The new Sustainable Development Network Imperatives Peter Sutherland, Australia: Business Leader Water Resources, GHD Pty Ltd</p>
12:15	Lunch (Plaza Foyer)		<p>PLAZA FOYER: Poster Session IRF LOUNGE: Welcome back 2006 Thiess Riverprize winners</p>
13:30	A3A	Plaza Ballroom	<p>E-FLOWS SCIENCE:- Connecting ground water, surface water and floodplains Chair: Richard Kingsford, University of New South Wales Jeanmarie Haney, USA: Developing science for decision making on the Verde River, Arizona, Southwestern U.S. Julie Zimmerman, USA: Flow restoration in a large river basin, Connecticut River, USA Graeme Cox, Australia: An Integrated surface water / groundwater model for a north Australian River Jerry Ziewitz, USA: Managing flows for endangered species: the Apalachicola River experience</p>
	A3B	Plaza Terrace Room	<p>URBAN RIVERS Chair: Rosemary Kennedy, QUT Robin Warner, Australia: Secular regime shifts, global warming and Sydney's water supplies Marit Larson, USA: Rehabilitation Along the Bronx River, NYC: Cultural and Ecological Targets Kunihiro Ogihara, Japan: Rain runoff control by greenroofing John Promise, USA: 21st-Century Trinity River COMMON VISION</p>
	A3C	P2	<p>FEATURE:- The Australian Government: securing water for the environment through knowledge, policy and implementation. A National Plan for Water Security: Water for the Environment - Department of the Environment and Water Resources Tony McLeod, Assistant Secretary, Murray-Darling Basin Reform Branch Chris Schweizer, Assistant Secretary, Environmental Water Branch</p>
	A3D	M4	<p>DAMS Chair: Jamie Pittock, WWF-International Richard Horwitz, USA: Balancing conflicting ecological goals in the Delaware River (USA) Andy Warner, USA: The Sustainable Rivers Project: National river restoration through adaptive reservoir management Robert Apunyo, Uganda: Dam constriction flaws and the receding Lake Victoria – Uganda Jaime Pittock, Australia: The WWF Climate Solutions Vision for 2050 & hydropower</p>

	A3E	P1	<p>E-FLOWS ECONOMICS:- Market transactions and water trading to support environmental flows</p> <p>Chair: Justen Simpson, Dept Of Environment & Climate Change</p> <p>Tahir Qureshi, Pakistan: Economic Costs of reduction in water flow - Indus delta Pakistan</p> <p>Zachary Tillman, USA: Water Policy and the Definition of Appurtenancy in Water Banking</p> <p>Mark Siebentritt, Australia: A new phase of river management? The future of environmental water trading</p> <p>Erin O'Donnell, Australia: New challenges in unregulated river management: markets and environmental flows</p>
	A3F	M2	<p>RIVERS AND ART</p> <p>Chair: Veronica Strang, University of Auckland</p> <p>John Reid, Australia: Fishman of SE Australia</p> <p>Zela Bissett, Australia: Site-specific environmental art projects on the Mary River and their role in enabling her defence</p> <p>Carolyn Young, Australia: Visualising healthy rivers</p> <p>Krishnan Pallassana Vaidyanatha Sarma, India: Perspectives on river linking in India - myths and realities</p>
	A3G	M1	<p>WATER REFORM</p> <p>Chair: Bruce Hooper, DHI Water Environment Health</p> <p>Lindsey Alford, Australia: Dealing in water, regulating an emerging water market in Queensland, New South Wales, Victoria and South Australia</p> <p>Bulent Acma, Turkey: South-eastern Anatolia Project (Gap) in Turkey as a Water Resources Management</p> <p>Julie Nimmo, Australia: Have we agreed yet? Using a meta-framework to implement the water plan</p>
15:00	Afternoon Tea (Plaza Foyer)		
15:30	A4A	Plaza Ballroom	<p>E-FLOWS SCIENCE:- Flow Regimes, fish and invertebrates</p> <p>Chair: Michael Douglas, Charles Darwin University</p> <p>Konrad Gorski, Netherlands: Hydrological changes in the lower Volga floodplains favour opportunistic fish species</p> <p>Ivars Reinfelds, Australia: Hydraulic assessment of flow regimes to facilitate fish passage through natural riffle barriers: Shoalhaven River below Tallowa Dam, New South Wales, Australia</p> <p>Laura McMullen, USA: Evolutionary adaptations to flows in aquatic invertebrates and management consequences</p> <p>Stephen Balcombe, Australia: Variable flows and fish recruitment in an Australian dryland river</p> <p>Patrick Driver, Australia: Oxbow lake invertebrate community composition in relation to flow regime</p>
	A4B	P2	<p>E-FLOWS IWRM:- Emerging IWRM examples</p> <p>Chair: Cate Brown, Southern Waters Ecological Research and Consulting</p> <p>Shadananan Nair, India: Challenges in the Integrated Water Resources Management in Kerala</p> <p>Zsuzsanna Nagy, Hungary: Assessment of the environmental services of Upper Tisza floodplain</p> <p>Simon Linke, Australia: Management options for river conservation: Integrating value, condition and threats</p> <p>Sandra Brizga, Australia: Geomorphic characterisation at the reach scale for Murray Darling Basin</p> <p>Keith Bristow, Australia: The future of northern Australia's unique ecosystems: Reflections on the findings, challenges and opportunities arising from the Northern Australia Irrigation Futures project</p> <p>Colin Apse, USA: From lawsuits to collaboration: Environmental flow management in the Delaware Basin</p>
	A4C	M2	<p>E-FLOWS LAW:- Law, water rights, markets and environmental flows</p> <p>Chair: Jonathan Kaledin, The Nature Conservancy</p> <p>Bruce McAuliffe, New Zealand: Law, policy and governance to support environmental flows, Waikato Region, New Zealand</p>

			<p>Megan Dyson, Australia: Legal and governance regimes required for effective management of e-flows in the Murray-Darling Basin</p> <p>Stuart Blanch, Australia: The Australian Natural Rivers System: towards a free-flowing river conservation framework</p> <p>Derick du Toit, South Africa: Making sense of a rights-based approach to environmental flows</p> <p>Hedia Adelsman, USA: Lessons learned from a government-led market for environmental flows</p> <p>Laura Ziemer, USA: Changing western water law to give rivers a voice</p>
A4D	M4		<p>E-FLOWS IMPLEMENTATION:- Can food production and environmental flows coexist?</p> <p>Chair: Ian Campbell, Ok Tedi Mining Limited</p> <p>Eloise Kendy, USA: Irrigation efficiency: friend or foe of environmental flow?</p> <p>Max Finlayson, Sri Lanka: How do we get the water for environmental flow allocations?</p> <p>Gen Hubert, USA: Ground-water mitigation banking in Oregon's Deschutes Basin</p> <p>Shahbaz Khan, Australia: Hydrologic evaluation of irrigation demand management for improved river flows</p> <p>Robyn Watts, Australia: Improving the operation of dams to increase environmental benefits without compromising the delivery of water for consumptive or non-consumptive uses</p>
A4E	Plaza Terrace Room		<p>URBAN RIVERS</p> <p>Chair: Rosemary Kennedy, QUT</p> <p>Yaron Zinger, Australia: Optimisation of nitrogen removal capacity for 'best practice' stormwater biofiltration systems</p> <p>Mick Smith, Australia: Maroochy River Recovery – Local Government Leading By Example</p> <p>Kai Yang, China: Assessing the public accessibility of Riverfront by using a comprehensive index- a case study along the Suzhou Creek of Shanghai, China</p> <p>Amanda Brigden, Australia: Rehabilitation of Brisbane's Waterways – a prioritisation framework for effective resource allocation</p>
A4F	P1		<p>FEATURE:- South East Queensland</p> <p>Chair: Eva Abal, Australia: Securing the future - SEQ Healthy Waterways Partnership / Achieving a Balance - Basis for the SEQ Healthy Waterways Strategy</p> <p>Diane Tarte, Australia: Achieving the Healthy Waterways Vision - SEQ Healthy Waterways Strategy</p> <p>Stuart Bunn, Australia: Taking the pulse of our waterways - The Ecosystem Health Monitoring Program and annual regional 'Report Card' which tracks ecosystem responses to management actions</p> <p>Barry Dennien, Australia: Ensuring water security: SEQ Water Supply Strategy</p> <p>Helen Ross, Australia: The Human Dimension - Spreading the Healthy Waterways message and engaging communities about issues relating to water quality</p> <p>Francis Pantus, Australia: Healthy Waterways Management Strategy Evaluation - A catchment-to-coast integrative science support framework for adaptive management</p> <p>Paul Greenfield, Australia: A Voice for Waterways - Challenges and future directions for managing the catchments and waterways of South East Queensland in the context of water quality and water quantity issues affecting Australia's fastest-growing region</p>
A4G	M3		<p>FEATURE:- River Dolphins</p> <p>Chair: Anna Forslund, Sweden: River dolphins-flagship species for river basin integrity, connectivity and sustainability</p> <p>Chair: Ding Wang, China: Problems Practices and Perspective of Yangtze Cetacean Conservation</p> <p>Lifeng Li, China: Conservation of Chinese river dolphins in the Yangtze</p> <p>Petr Obrdlík, Germany: The Mekong River Irrawaddy dolphin (<i>Orcaella brevirostris</i>) under threat</p> <p>Sandeep Kumar Behera, India: Working with communities for benefits for Ganga River dolphin and ecosystems</p> <p>Uzma Khan, Pakistan: The Indus Dolphin sub-populations status and threats</p>
A4H	M1		<p>WATER REFORM</p> <p>Chair: Bruce Hooper, DHI Water Environment Health</p> <p>Bronwyn Powell, Australia: Conceptualising a catchment: interdisciplinary research assisting management of the Kongalai Catchment, Solomon Islands</p> <p>Bhawna Vajpai, India: Water-the means of institutional reform</p>

			<p>Greg Claydon, Australia: Strategic water policy and planning in Queensland, Australia Kevin Scribner, USA: Walla Walla Basin (Washington State, USA) Water Management Initiative Larissa Toelupe, Samoa: Sector-wide approach: Key to effective water resource management</p>
17:30	Close		
18:00-19:30	Queensland Art Gallery	WELCOME FUNCTION	

TUESDAY 4 September 2007

TIME	SESSION	ROOM	
08:30	B1	Plaza Ballroom	<p>PLENARY:- Chair: Stuart Bunn, Griffith University * Patrick McCully, USA: Is a dam-building surge a sensible response to global warming? * Prof David Dudgeon, Hong Kong: Going with the flow: conserving Asian riverine biodiversity in a warmer world * Doris Ombara, Kenya: Environmental flow requirement and stakeholder development role in the Mara Basin</p>
10:00	Morning Tea (Plaza Foyer)		IRF LOUNGE: Meet Great Lakes Council – National Thies Riverprize winner 2004
10:30	B2A	Plaza Terrace Room	<p>E-FLOWS SCIENCE:- Climate change, drought and resilience Chair: Brian Richter, The Nature Conservancy Heather McGinness, Australia: Anabranch channels as potential targets for environmental flows Kev Warburton & Ryan Dillon, Australia: How do droughts affect freshwater fish? Kathryn Stanislawski & Michelle Bills, Australia: Adaptively managing rivers for resilience and recovery during drought Paul Wettin, Australia: Environmental Flows on the Lachlan River - 20 Years of Policy, Science and Adaptive Management</p>
	B2B	M3	<p>E-FLOWS SCIENCE:- Linking fresh water and estuarine ecosystems Chair: Shahbaz Khan, CSIRO John Platten, Australia: The influence of freshwater flows on the catch of whiting Muhammad Bari, Bangladesh: Comparative assessment of environmental flow based on salinity intrusion and fish habitat considerations Brett Miller, Australia: Saline dynamics From Different Environmental flow regimes on the Shoalhaven River Simone Wilkie, Australia: A method for determining the environmental water requirements of Victorian estuaries</p>
	B2C	M4	<p>E-FLOWS LAW:- Hydropower, property rights and environmental flows Chair: Nicholas Schofield, Land & Water Australia Emmanuel Kasimbazi, Uganda: Water governance through policies and laws in the Nile basin Jonathan Kaledin, USA: Water for fish and faucets – Trends in in-stream flow law and regulation in the Northeast United States Christa Meyer, Switzerland: Hydro power plants and minimal flow Robert Wigington, USA: Western river conservation at the altar of endangered Species</p>

	B2D	P1	<p>FEATURE:- The Australian Government: securing water for the environment through knowledge, policy and implementation. 'Watering Wetlands - putting plans into practice' - Land & Water Australia</p> <p>Chair: Chris Schweizer, Assistant Secretary, Environmental Water Branch, Department of the Environment and Water Resources (DEW) Howard Jones, Chairman, NSW Murray Wetlands Working Group Greg Raisin, Manager Aquatic Sciences, Water Utilities and Science Division, Department of Water and Energy NSW Richard Kingsford, Professor of Environmental Science, School of Biological, Earth and Environmental Sciences, University of New South Wales Paul Boon, Professor, Institute for Sustainability & Innovation, Victoria University, Melbourne</p>
	B2E	P2	<p>FEATURE:- Environmental Flows Network roundtable discussion</p> <p>Chair: Ger Bergkamp, World Conservation Union (IUCN)</p> <p>Michael Moore, Sweden: Building an international environmental flows network Washington Mutayoba, Tanzania: Practical application of environmental flows and how the network can be used to solve problems Anna Forslund, Sweden: The development and purpose of a regional network node</p>
	B2F	P3	<p>FEATURE:- Twinning lessons and insights panel discussion</p> <p>Facilitators: Amanda Bigelow, International Riverfoundation, Bronwyn Powell, International WaterCentre</p> <p>Marty Hancock and Anastasia Karugo: Tweed River, Australia – Nairobi, Kenya Martin Neumann, Peter Krause and Teresa Moncarz: Grand River, Canada - San Roque, Argentina Amos Brandeis: Alexander River, Israel – Lake Bam, Burkina Faso Johnny Sundstrom: Siuslaw watershed, Oregon – Sakhalin Island Wayne Cameron: Bulimba Creek, Australia – Gregory River, Australia</p>
	B2G	M1	<p>HUMAN HEALTH</p> <p>Chair: Tim Wrigley, Canegrowers</p> <p>Mohammad Farouque Chowdhury, Bangladesh: Buriganga threatening the health of millions of people Ravi Shanker Kanoje, India: Impact of copper mining on the Banjar River Kanha Tiger Reserve Maria Onestini, Argentina: Water, health and river pollution in urban poverty stricken areas of Latin America Markson Yarrao, Papua New Guinea: Food, metals, mines and subsistence river users in the Ok Tedi-Fly River system, PNG</p>
	B2H	M2	<p>E-FLOWS CAPACITY:- Capacity building across diverse settings and involving technical and traditional knowledge</p> <p>Chair: Max Finlayson, IWMI</p> <p>Michael Douglas & Mona Liddy, Australia: Fish and flows in tropical rivers: a collaborative project Hamza Sadiki, Tanzania: Lessons from Tanzania on implementing EFAs in developing countries Ray Maw, New Zealand: A community participatory approach to setting environmental flow regimes Mmbofheni Stanley Liphadzi, South Africa: Investing in capacity building for effective implementation of the ecological reserve in South Africa</p>
12:00	Lunch (Great Hall)		IRF LOUNGE: Meet twinning projects' representatives from USA, Canada, Argentina, Israel, Kenya and Australia
13:30	B3A	Plaza Terrace Room	<p>E-FLOWS SCIENCE:- Monitoring</p> <p>Chair: Nick Apostolidis, GHD</p> <p>Susanna Hakobyan, Armenia: Benthos as an easy tool for assessment of hazards in environmental Flows Kimberly Schonek, USA: Review of Middle Fork John Day Watershed and development of 10 Year Monitoring Plan Paul McEvoy, Australia: Designing monitoring for ecological responses to flow: Mount Lofty Ranges, South Australia Lesley Jones, USA: Restoration effectiveness monitoring in priority watersheds of the Deschutes Basin</p>

			<p>Rod Oliver, Australia: A biophysical framework for assessing environmental water allocation and delivery in the Murray River</p> <p>Brian Bycroft, Australia: Assessing flow management based on risk posed to ecological asset viability</p>
B3B	P2	<p>E-FLOWS IWRM:- Meeting the challenges of too many demands</p> <p>Chair: Michael McClain, Florida International University</p> <p>Hernando Cabral, Mexico: Environmental flows conservation initiative in Cuatrociénegas, Coahuila, Mexico</p> <p>Maree Abood, Australia: Shoalhaven River experience: balancing water supply needs and river health</p> <p>Peter Schultz, Australia: Environmental flows in a Mediterranean climate - Infrastructure, supply, drought and the political perception</p> <p>Nicholas Schofield, Australia: Providing environmental flows with decreasing water resources</p> <p>Sarah Ryan, Australia: Integrating environmental flow values with other water values in the Murray-Darling Basin</p> <p>Gary Jones, Australia: A case for private rights and management of environmental water</p>	
B3C	M3	<p>E-FLOWS IMPLEMENTATION:- Challenges and obstacles to implementing environmental flows in developing countries</p> <p>Chair: Andrew Vitale, GHD</p> <p>Sharon Pollard, South Africa: Environmental flows a decade on: Confronting the challenges of compliance within the rivers of the eastern Lowveld of southern Africa</p> <p>Maria Antonieta Gomez Balandra, Mexico: Water allocation to set environmental flows in Mexico</p> <p>Beason Mwaka, South Africa: Operating rule to integrate environmental flow requirements with community livelihoods</p> <p>Peter Watson, USA: Environmental flow policy development and implementation: Lessons from the Lesotho Highlands Water Project</p> <p>Nikite WJ Muller, South Africa: Integrating the environmental water requirements of rivers into operational water resource management - an example from South Africa</p> <p>Frederick Thomola, Lesotho: Challenges faced by LHWP in designing and implementing environmental flows</p>	
B3D	M2	<p>E-FLOWS SOCIAL:- Social considerations – lessons from around the world</p> <p>Chair: Andrew Purkey, National Fish & Wildlife Foundation</p> <p>Yemi Akegbejo-Samsons, Nigeria: The Inner Niger Delta Project: Environmental, social and economic consequences of dredging the Lower Niger River on the communities</p> <p>Karen Meijer, Netherlands: Quantifying human well-being values of environmental flows in Integrated Water Resources Management analysis</p> <p>Brianna Randall, USA: Integrating Social Support for Environmental flow projects in Montana, USA</p> <p>Sabine Moellenkamp, Germany: Debating flow regime and measures of restoration – challenges and limits of stakeholder participation in water management</p> <p>Dustin Garrick & Amy McCoy, USA: Flowing uphill toward conservation: Potential for environmental water markets in Arizona</p>	
B3E	P1	<p>FEATURE:- The Australian Government: securing water for the environment through knowledge policy and implementation. Maintaining rigour in the definition and management of environmental flows – National Water Commission</p> <p>Mr Ken Matthews AO, Chairman and Chief Executive Officer, National Water Commission</p> <p>Dr Colin Chartres, Chief Science Advisor, National Water Commission: Are we making progress with environmental outcomes under the National Water Initiative?</p> <p>Professor Peter Cullen AO FTSE, Commissioner, National Water Commission</p> <p>PANEL MEMBERS:</p> <p>Professor Peter Davies, the University of Western Australia</p> <p>Dr Mark Siebentritt, CEO Waterfind Environment Fund</p> <p>Assoc Prof Martin Thoms, University of Canberra</p> <p>Dr Jane Doolan, Department of Sustainability and Environment, Victoria</p>	
B3F	P3	<p>COMMUNITY ENGAGEMENT</p> <p>Chair: Leith Bouilly, Member of the Wentworth Group of Concerned Scientists</p> <p>Veronica Strang, New Zealand: Social and cultural issues on the Brisbane River</p>	

			<p>Amos Ona, Papua New Guinea: Rivers and rainforest: Catchment management in the heart of the Great Papuan Plateau, Papua New Guinea</p> <p>Silva Larson, Australia: Local stakeholder's perceptions and integrated water management of World Heritage Areas in northern Queensland</p> <p>Laurence Smith, United Kingdom: Local management of water catchments and river basins: Drawing on international experience</p> <p>Clare Taylor, Australia: Innovation for water resource management: The Australian Government Rivercare Facilitator Network</p> <p>Cruz Elisa Torrecillas, Mexico: Ecological restoration of the Mocerito River Sinaloa, México</p>
	B3G	M1	<p>E-FLOWS ECONOMICS</p> <p>Chair: Bruce Aylward, Ecosystem Economics LLC</p> <p>Alex Smajgl, Australia: Quantifying water policy related trade-offs: A catchment-scale approach to environmental flows in the Great Barrier Reef</p> <p>Muhammad Qureshi, Australia: Impact of irrigation technology on cost of sourcing water for environmental flows in the Murray Basin</p> <p>Jane Turpie, South Africa: Integrating socio-economics and ecology in determining environmental flows</p> <p>Jill Windle, Australia: Assessing the non-market values for keeping unallocated river flows in reserve</p> <p>Miroslav Honzak, USA: Mapping and evaluating the benefits of hydrological services in Madagascar</p> <p>Dolora N. Nepomuceno, Philippines: Economic valuation of ecosystem services to support environmental flows in Laguna de Bay, Philippines</p>
	B3H	M4	<p>FEATURE:- Mekong River</p> <p>Chair: David Dudgeon, University of Hong Kong</p> <p>Chair: Jackie King, South Africa: Predicting development-driven change for the Mekong mainstream and its people</p> <p>Rattaphon Pitakthepsombat, Thailand: Environmental Flows - An interdisciplinary approach to facilitate negotiations on sharing water in the Mekong Region</p> <p>Worawan Sukrarook, Lao: Environmental flow assessment and IWRM in the Lower Mekong Basin</p> <p>Ian Campbell, Papua New Guinea: Flows, Models, Politics and Development - A lethal mix for the Mekong?</p> <p>Grainne Ryder, Canada: Negotiating environmental flows with dam-builders in the Sesan-Srepok-Sekong River Basin</p>
15:30	Afternoon Tea (Plaza Foyer)		
16:00	B4	Plaza Terrace Room	<p>PLENARY:-</p> <p>Chair: Professor Peter Cullen AO FTSE, Commissioner, National Water Commission</p> <p>* Land & Water Australia Book Launch (5min): 'Salt, Nutrient, Sediment and Interactions: findings from the National River Contaminants Program'</p> <p>* Prof Angela Arthington, Australia: Ecological Limits of Hydrological Alteration (ELOHA) - a new environmental flow method</p> <p>* Dr Cate Brown, South Africa: Environmental Flows and the Lesotho Highlands Water Project: A Case Study</p>
17:00 - 17:30		Plaza Terrace Room	SUMMARY SESSION:- E-Flows Panel
18:45 - 23:30		Plaza Ballroom	<p>Pre-Dinner drinks followed by:-</p> <p>* Presentation of the Young Water Scientist Award</p> <p>* Thiess Riverprize Award Presentation Dinner</p>

WEDNESDAY 5 September 2007

TIME	SESSION	ROOM	
08:30	C1	Plaza Ballroom	<p>PLENARY:-</p> <p>Chair: Dale Smart, Thiess Services Pty Ltd</p>

			<p>* International Thiess Riverprize winner</p> <p>* Prof Kevin Rogers, South Africa: Complexity and simplicity: Complementary requisites for policy implementation</p> <p>* Prof Vince Resh, USA: Biodiversity and The Control of River Blindness (<i>Onchocerciasis</i>) in West Africa</p>
10:00	Morning Tea (Plaza Foyer)		IRF LOUNGE: Meet new 2007 Thiess Riverprize winners
10:30	C2A	Plaza Ballroom	<p>E-FLOWS SCIENCE:- Flow regimes and vegetation</p> <p>Chair: Keith Bristow, CSIRO</p> <p>Richard Kingsford, Australia: Adaptive management of environmental flows in the Macquarie Marshes - past, present, future</p> <p>Patrick Shafroth, USA: Environmental flows for riparian vegetation restoration and invasive species management</p> <p>David Merritt, USA: The role of flow alteration in invasion of rivers by exotic plants: tools for prescriptive flow determination</p>
	C2B	M4	<p>E-FLOWS IWRM:- Big ideas for integrating ecological health into IWRM and hydropower</p> <p>Chair: Michelle Burford, Griffith University</p> <p>Louise Korsgaard, Denmark: Linking environmental flows, ecosystem services and economic value</p> <p>Gregory Thomas, USA: Reoptimizing major water management systems to generate environmental flows</p> <p>David L. Harrison, USA: Sustainable hydropower: Incorporating environmental flows into hydropower system management</p> <p>Dana Grobler, South Africa: The development of the South African Water Resource Classification System (WRCS): a contribution to the sustainable, equitable and efficient use of water resources</p>
	C2C	P2	<p>FEATURE:- Dealing with climate change: The Victorian approach</p> <p>Chair: Jane Doolan, Australia: Policy challenges and possible approaches for managing rivers in an uncertain future</p> <p>Gary Howell, Australia: River health planning - use of an asset-based approach for priority setting</p> <p>Paul Bennett, Australia: River assets, environmental flows and learning from the drought</p> <p>Julia Reed, Australia: Drought on steroids - climate change scenarios and the consequences for Victorian river assets</p> <p>Panel discussion: Policy approaches and dealing with issues to river management under climate change</p>
	C2D	Plaza Terrace Room	<p>FEATURE:- Ecological Limits of Hydrologic Alteration (ELOHA)</p> <p>Chair: Eloise Kendy, The Nature Conservancy</p> <p>Lisa Lowe, Australia: Development and application of a hydrological index to characterise threat to river health</p> <p>LeRoy Poff, USA: Quantifying ecological responses to flow alteration: a literature review</p> <p>Catherine Leigh, Australia: Hydrological changes and ecological implications associated with water resource development in the Australian tropics</p> <p>Ken Haumann, South Africa: Environmental flow hydrology using Flow-Stressor Response methodology</p> <p>Rafael Sanchez, Spain: New perspectives in environmental flow components, hydrologic indices and standards in Spain</p>
	C2E	M3	<p>FEATURE:- River cultures - ecological futures (UNESCO)</p> <p>Chair: Natarajan Ishwaran, UNESCO, Paris</p> <p>Irene Klaver, USA: River Cultures and Ecological Futures</p> <p>George Morara Ogendi, Kenya: Cultures and Water Resource Use and Conservation in the Njoro and Lamudiac River Watersheds, Kenya</p> <p>Lisa Hiwasaki: Ecohydrology and UNESCO/IHP initiatives on water and culture</p> <p>Claudio Guerra, Brazil: Social mobilization for waters in Doce river basin</p> <p>Tek Vannara, Cambodia: An analysis of key factors for successful community based fishery management, A case study in Koh Sneng Village, Stung Treng Province, Cambodia</p> <p>Questions from the audience and general discussions</p>

	C2F	M2	<p>FEATURE:- The Living Murray: Australia's biggest river recovery program</p> <p>Panel Presented by: Murray Darling Basin Commission</p> <ul style="list-style-type: none"> ▪ Overview, water recovery and Environmental Works and Measures Program (EWMP) ▪ Environmental watering 2005/6 and 2006/7 ▪ Community consultation
	C2G	M1	<p>FEATURE:- Water resources and indigenous peoples</p> <p>Chair: Jeff Opperman, The Nature Conservancy</p> <p>Julio Cárcamo, Honduras: Utilizing indigenous knowledge to inform development of environmental flows</p> <p>Gail Tipa, New Zealand: Introducing a Framework for Assessing Stream Flows from a Cultural Perspective</p>
12:00	Lunch (Plaza Foyer)		<p>IRF LOUNGE: Meet Blackwood Basin Group – International Thies Riverprize winner 2001</p> <p>ELOHA DISCUSSION: Facilitated by The Nature Conservancy in Plaza Terrace Room</p>
13:30	C3A	Plaza Ballroom	<p>E-FLOWS SCIENCE:- Methodologies, software tools and planning approaches</p> <p>Chair: Mike Acreman, Centre For Ecology & Hydrology</p> <p>Thomas FitzHugh, USA: Use of the IHA Software in designing environmental flow recommendations</p> <p>Michael Stewardson, Australia: Providing stream flow for an icon – How much is a good thing?</p> <p>Norbert Menke, Australia: Bayesian belief networks for the ecological assessment of flow management</p> <p>John Hickey, USA: Software to help define environmental flows: The Regime Prescription Tool</p> <p>Martin Janes, UK: The role of national river restoration centres</p> <p>Natasa Zvanut Smolar, Slovenia: Environmental Flow Assessment for Running Waters in Slovenia</p>
	C3B	P2	<p>E-FLOWS IWRM:- IWRM and the challenges of big rivers and political boundaries</p> <p>Chair: Eloise Kendy, The Nature Conservancy</p> <p>Bruce Aylward, USA: A reallocation world: Societal choices, economic realities and legal evolution to support environmental flows</p> <p>Richard Beilfuss, Mozambique: Impacts of flow changes in the Zambezi Delta and restoration potential</p> <p>Xin Wang & Daniel Hanisch, China: International co-operation for local capacity building - Eerguna River, Inner Mongolia</p> <p>Jason Skold, USA: A collaborative decision-making process for hydrograph restoration, Lower Missouri River, U.S.A.</p> <p>Robert Jacobson, USA: Quantitative design of a naturalized flow regime, Lower Missouri River, U.S.A.</p> <p>Jeff Camkin, Australia: Supporting decision makers in northern Australia: The Northern Australia Irrigation Futures sustainability framework</p>
	C3C	P1	<p>E-FLOWS IMPLEMENTATION:- Lessons learned of relevance to similar situations</p> <p>Chair: Robyn Watts, Charles Sturt University</p> <p>Shrikant Daji Limaye, India: Importance of dry season recharge for maintaining environmental underflow in hard rock terrain in India</p> <p>Larissa Cordner, Australia: Protecting Northern Australia's wild rivers</p> <p>Shuichi Ikebuchi, Japan: Dams and environmental flows: Concept and implementation in Japan</p> <p>David Speirs, New Zealand: The four bottom lines of water transfer – Water allocation policy development and implementation in the Waikato Region, New Zealand</p> <p>Ralph Heath, South Africa: Environmental flows determination for Massingir Dam in Mozambique</p> <p>Angela Gladman, Australia: A remedy for relaxing a 'stressed' river</p>

	C3D	M2	<p>Thiess Riverprize Finalists Chair: Paul Greenfield, The University of Queensland A brief overview of the work of each finalist, then a panel of the prize judges will ask about the most exciting and challenging aspects of each nomination. There will be ample opportunity for the audience to ask questions of these finalists from four continents.</p>
	C3E	M4	<p>E-FLOWS CAPACITY:- Capacity building across diverse settings and involving technical and traditional knowledge Chair: Jay O'Keeffe, UNESCO-IHE Latha Anantha, India: RBO driven campaign to preserve downstream ecological flows of a Western Ghats River Jeff Loux, USA: Developing a flow standard for the American River: A collaborative approach Andrew Purkey & Chris Furey, USA: Cooperative, market-based environmental flow restoration: The Columbia Basin Water Transactions Program Kim Forde & Geoff Onus, Australia: Rejuvenating the Barron - Social Considerations Michael Lusic, Australia: Moreton Bay Community Action Research Settings (2005-2008)</p>
	C3F	M3	<p>FEATURE:- River cultures - ecological futures (UNESCO) Chair: Irene Klaver, University of North Texas PANEL: Natarajan Ishwaran (UNESCO), Veronica Strang (University of Auckland), Philippe Delanghe (UNESCO) Discussions, questions and answers</p>
	C3G	M1	<p>AGRICULTURE Chair: Stuart Blanch, WWF-Australia Nick Heath, Australia: Reef or rubble - Can we save the Great Barrier Reef from pollution? Grace Nadunga, Uganda: Bio-Gas a Measure to Restore River Soloko Aliaksandr Pakhomau, Belarus: Importance of elaboration the Code of Agricultural Practice in Belarus Subhash Taley, India: River basin management for soil and water conservation and ecosystem protection Tim Wrigley, Australia: Wetlands restoration on sugarcane farms in the Australian Wet Tropics - Habitat values Freeman Cook, Australia: Advantages and disadvantages of irrigation mosaics as an alternative to traditional forms of irrigation in northern Australia</p>
	C3H	Plaza Terrace Room	<p>DAMS Chair: David Harrison, The Nature Conservancy Sukhmani Kaur Mantel, South Africa: Synergistic impacts of small dams on South African rivers Yasuhiro Takemon, Japan: Dam impacts on benthos community and isotopic signatures in tail-waters Jo-Anne Bragg, Australia: Key laws and public rights concerning Queensland's controversial dams Mark P. Smith, USA: Defining ecological sustainable yields for water supply reservoirs Jeff Opperman, USA: A framework for promoting the ecological sustainability of future and present dams</p>
15:30	<p>Afternoon Tea (Plaza Foyer) IRF LOUNGE: Meet 2007 Thiess Riverprize finalists</p>		
16:00	C4	Plaza Ballroom	<p>PLENARY:- Chair: Gary Jones, eWater CRC * National Thiess Riverprize Winner * Prof Mike Acreman, UK: Environmental flows and the European Water Framework Directive UK implementation * Aurelio Ramos, Ecuador: Protecting water sources to conserve biodiversity: Colombia, Ecuador, and Venezuela</p>

17:20 - 17:35	Plaza Ballroom	SUMMARY SESSION:- E-Flows Panel
18:00 - 19:30	Queensland State Library	WATER FORUM PUBLIC EVENT
19:30 for 20:00	Rivercanteen Restaurant	10th Anniversary Celebration social function

THURSDAY 6 September 2007

TIME	SESSION	ROOM	
08:30	D1A	Plaza Ballroom	<p>E-FLOWS SCIENCE:- Methodologies, software tools and planning approaches Chair: David Garman, Environmental Biotechnology CRC Satish Choy, Australia: Determining and monitoring environmental flows in Queensland, Australia Angus Webb, Australia: Monitoring and assessing the effects of environmental flows: the VEFMAP approach William Harding, South Africa: Diatoms as water quality indicators for rivers and streams in South Africa Nonceba Noqayi, Swaziland: Environmental water requirements: The Komati River Basin Case Study Michael Walters, Canada: Utilizing assimilative capacity to achieve sustainable growth in the Lake Simcoe Basin</p>
	D1B	M1	<p>E-FLOWS SCIENCE:- Complex case studies Chair: LeRoy Poff, Colorado State University Paul Boon, Australia: Lessons from a 4-year R&D project rehabilitating Gippsland Lakes wetlands Dejuan Jiang, China: Progress in environmental flows research and applications in China Chris Bobbi, Australia: Addressing assumptions of natural flow variability for environmental flow regimes Ian Overton, Australia: Determining environmental flows for vegetation water requirements on the River Murray Floodplain Sophie Nguyen Khoa, Sri Lanka: Impacts of irrigation on fisheries: Extension of the environmental flow paradigm</p>
	D1C	P2	<p>E-FLOWS IWRM:- Knowledge gained through IWRM – new tools and methods Chair: Karin Krchnak, The Nature Conservancy Henrique Chaves, Brazil: A tool for establishing environmental flows and access rules in unregulated rivers of Central Brazil K. D. Wasantha Nandalal, Sri Lanka: Planning a hydropower project considering environmental impacts: A system dynamics approach Jamie Ewert, Australia: Planning and implementing environmental flows - a Yarra River case study Rosemary Mazaika, USA: Lower Crooked and Middle Deschutes wild and scenic rivers resource values and instream flow studies Rajendra L. Shilpakar, Nepal: Integrating land and water management in mountain watersheds for optimized downstream water services Wolfgang Dorner, Germany: Integrated land use planning and river basin management</p>
	D1D	M2	<p>E-FLOWS LAW:- Country experience, law development and environmental flows Chair: Jim Donaldson, Land & Water Australia Rafik Hirji, USA: Integrating environmental flows in World Bank operations Rocío Córdoba, Costa Rica: Environmental flows and water reform in Central America: challenges and opportunities for their implementation Washington Mutayoba, Tanzania: Putting policy into practice: Mainstreaming environmental flows in Tanzania Graeme Enders, Australia: NSW RiverBank, a market-based approach to water recovery for rivers and wetlands in NSW Glen Walker, Australia: Protecting environmental flows in Northern Australia: Queensland's Wild Rivers initiative</p>

	D1E	M3	<p>E-FLOWS IMPLEMENTATION:- Ecological and floodplain connectivity as a result of implemented flow changes</p> <p>Chair: Nadeem Samnakay, Land & Water Australia</p> <p>Paul O'Connor, Australia: Implementation of the Barmah-Millewa Forest Environmental Water Allocation 2005-06</p> <p>Liu Xiaoyan, China: Chinese Ministry of Water Resources</p> <p>Deborah Nias, Australia: Implementing environmental flows in the Murray Valley, NSW 2000-2006</p> <p>Kazuhiro Azami, Japan: Changes in aquatic animal communities below the Taisyaku Dam after restoration of flow regime, Japan</p> <p>Amanda Meadows, USA: Science and measuring the success of Savannah River Eco-Flow Restoration</p> <p>Hugh Whiteley, Canada: Toward a comprehensive ecological flow assessment framework: A progress report from Ontario, Canada</p>
	D1F	M4	<p>E-FLOWS SOCIAL:- Social considerations – lessons from Australia</p> <p>Chair: Diane Tarte, Healthy Waterways</p> <p>Helen Ross, Australia: Identifying social impacts of environmental flows: scoping study for the Living Murray Project</p> <p>Kathleen Broderick, Australia: Who values environmental flows?</p> <p>Christopher E. Williams, USA: River impoundments, environmental flows, and their impact on regional climate</p> <p>Erin Bohensky, Australia: Expanding understanding of social resilience to water quality change</p> <p>Iris Bohnet, Australia: Scenarios for the Great Barrier Reef catchment: Learning from the future</p> <p>Richard Swinton, Australia: Can science determine environmental flows?</p>
	D1G	Plaza Terrace Room	<p>FEATURE:- Building Capacity for Environmental Flows: What Do You Want, What Do Others Need, and How Can We Collaborate?</p> <p>Chair: Nicole Silk, USA: Building capacity for environmental flows: What do you want, what do others need, and how can we collaborate?</p> <p>Doris Ombara, Kenya</p> <p>Jay O'Keefe, Netherlands: Building local teams to assess environmental flows in developing countries</p> <p>Katharine Cross, Switzerland: Building capacity and sharing knowledge on environmental flows across regions</p> <p>Michael McClain, USA: Opportunities and Obstacles to the Implementation of Environmental Flows in East Africa</p> <p>Andrew Purkey, USA</p>
	D1H	P1	<p>COMMUNITY ENGAGEMENT</p> <p>Chair: David Freudenberger, Greening Australia</p> <p>Pankaj Chandan, India: Management of Upper Indus Basin with community involvement in Ladakh, India</p> <p>Wilfried Schlosser, Pakistan: WASEP and community engagement in water management in Pakistan</p> <p>Dhruba Pant, Nepal: Multi-stakeholder perspective in catchment management – Case from Nepal</p> <p>Wayne Cameron & Natalie Baker, Australia: Grassroots twinning - success and failures</p> <p>Lori Gould, Australia: Boorowa River Recovery</p> <p>Rod Lamberts, Australia: Engaging Visions: community, art, environment</p>
10:30	Morning Tea (Plaza Foyer)		IRF LOUNGE: Meet Goulburn Broken – National Thies Riverprize winner 2001
11:00	D2A	Plaza Ballroom	<p>CLOSING PLENARY</p> <p>Chair: Paul Greenfield, The University of Queensland</p> <p>* Presentation by the Riversymposium Young Water Scientist Winner</p> <p>* Panel wrap up and delivery of conference statement</p>

12:30	SYMPOSIUM CLOSED		
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THURSDAY afternoon 6 September 2007

TIME	ROOM	TRAINING SESSIONS	
14:00	P1	Self assessment of Integrated Water Resources Management practice: how to measure your progress in implementing IWRM at the basin scale <i>Presented by DHI Water & Environment</i>	P2 Tools for linking basin management, water policy and modelling <i>Presented by DHI Water & Environment</i>
15:30	Afternoon Tea (Plaza Foyer)		
16:00	P1	Self assessment of Integrated Water Resources Management practice: how to measure your progress in implementing IWRM at the basin scale <i>Presented by DHI Water & Environment</i>	P2 Tools for linking basin management, water policy and modelling <i>Presented by DHI Water & Environment</i>
18:00	Close		

FRIDAY 7 September 2007

TIME	ROOM	TRAINING SESSIONS	
08:30	P1	Environmental Flows – Module 1 <i>Presented by The Nature Conservancy</i>	P2 eWater Tools for managing environmental flows for conservation and restoration purposes <i>Presented by eWater CRC</i>
10:30	Morning Tea (Plaza Foyer)		
11:00	P1	Environmental Flows – Module 1 <i>Presented by The Nature Conservancy</i>	P2 eWater Tools for managing environmental flows for conservation and restoration purposes <i>Presented by eWater CRC</i>
12:30	Lunch (Plaza Foyer)		
14:00	P1	Environmental Flows – Module 2 <i>Presented by The Nature Conservancy</i>	P2 eWater Tools for managing environmental flows for conservation and restoration purposes <i>Presented by eWater CRC</i>
15:30	Afternoon Tea (Plaza Foyer)		
16:00	P1	Environmental Flows – Module 2 <i>Presented by The Nature Conservancy</i>	P2 eWater Tools for managing environmental flows for conservation and restoration purposes <i>Presented by eWater CRC</i>
17:30	Close		