



**IWC5 Agenda**

**Mainstreaming Responses to Climatic Variability & Change While Improving Results-Based Management  
The Fifth GEF Biennial International Waters Conference  
Cairns, Australia  
26-29 October 2009**

**Conference Objective:**

To facilitate cross-sectoral and regional learning & dialogue for projects in the GEF International Waters portfolio, with a special emphasis on Climatic Variability & Change and Results-based Management.

**Conference Key Outputs:**

2009's other key international water events focused on the links between Climatic Variability & Change and Freshwater (the World Water Forum in Istanbul, Turkey in March) and Oceans (World Oceans Conference in Manado, Indonesia in May). The 5th International Waters Conference (IWC5) will facilitate dialogue on how the GEF IW portfolio can incorporate climate variability and change into current and future project implementation. The IWC5 will solicit recommendations from the existing portfolio on incorporating climate variability and change in the context of transboundary waters management. The input will contribute to the discussions for developing the GEF IW Strategy for the 5<sup>th</sup> GEF Replenishment (GEF5).

Through practical training and experience sharing discussions, the IWC5 will also build capacity of participants in the area of GEF's new focus on results-based management and approaches to address transboundary water and ocean issues.

The conference will also explore mechanisms for greater private sector involvement and public-private partnerships in future GEF-IW projects through involvement of private sector participants.

*A full conference results framework will be posted separately. Objectives, outputs and desired outcomes for certain sessions are detailed in-line.*

**Pre-Conference Day 1 - Saturday 24 October - Technical Workshops**

0900-1800

**Pre-Conference Technical Workshops**

Session Coordinator: [Mish Hamid](#), [CTI IW:LEARN](#)

*Targeted scientific workshops on marine, groundwater and surface water systems in partnership with Australian centers of excellence*

**Global Change and Marine Resources**

Location: [Rydges Hotel Tradewinds, 137 The Esplanade](#)

Workshop Coordinators:

Susan English, [Australian Institute for Marine Science](#)

Melanie King, [University of Queensland](#) (and Project Coordinator for the [GEF-IBRD Coral Reef Targeted Research project](#))  
Campbell Davies, [Commonwealth Scientific and Industrial Research Organization](#)  
Peter McGinnity, [Great Barrier Marine Park Authority](#)

0800-0815 Coffee  
0815-0830 Welcome

*Session 1 The likely response of tropical marine systems to climate variability & change*  
*Chair: Ove Hoegh-Guldberg, University of Queensland*

0830-0845 Two worlds apart: Coastal resources and rapid global change: what can we do to avoid disaster?  
Ove Hoegh-Guldberg, University of Queensland (Coral Reef Targeted Research)  
0845-0900 Ecological resilience: strategies to reduce the impact of climate change  
Peter Mumby, University of Exeter (Coral Reef Targeted Research)  
0900-0915 Marine reserves in the Philippines: challenges, success and perspectives  
Edgardo Gomez, University of the Philippines (Coral Reef Targeted Research)  
0915-0930 LMEs and Climate  
Ken Sherman, United States National Oceanic and Atmospheric Administration

0930-1000 BREAK

1000-1015 TBC. Indian Ocean Seamounts  
Carl Lundin, World Conservation Union (Indian Ocean Seamounts)  
1015-1030 The coral reef manager's response to climate change: Is there any hope?  
Paul Marshall, Great Barrier Reef Marine Park Authority  
DISCUSSION  
SHORT BREAK

*Session 2 Regional Economic Development and Alternative Sustainable Livelihoods*  
*Chair: Simon Foale, James Cook University*

1120-1140 Mariculture and aquaculture livelihood options for the Pacific  
Cathy Hair, James Cook University  
1140-1150 Tourism contributions to communities in Fiji  
Alifreti Tawake, James Cook University  
1150-1200 Social-ecological networks and livelihoods resilience: comparing logging with eco-tourism in Milne Bay, Papua New Guinea  
James Bulter, CSIRO Landscapes & Livelihoods  
1200-1210 Topic-TBD  
Simon Foale, James Cook University  
1210-1220 Topic-TBD  
Raj Prayag, Indian Ocean Commission (Marine Electronic Highway)  
DISCUSSION

1300-1400 LUNCH

*Session III Solutions to Issues of Marine Management and Governance*  
*Chair: Quentin Hanich, [University of Wollongong](#)*

1400-1410 Introduction to the session  
Quentin Hanich, University of Wollongong - Australian National Centre for Ocean Resources and Security (ANCORS)  
1410-1420 Oceans Governance and the WCPO tuna fisheries  
Les Clark, Forum Fisheries Agency (Pacific Islands Oceanic Fisheries Manag'mt)

- 1420-1430 Options for the challenge of managing tuna in a climate changing world: the case of the Western and Central Pacific Fisheries Commission  
Hannah Ruth Parris, ANU Crawford School of Economics & Government
- 1430-1440 Sea level rise and maritime boundaries  
Clive Schofield, University of Wollongong - Australian National Centre for Ocean Resources and Security (ANCORS)
- 1440-1450 Climate change and disappearing State - protecting maritime rights beyond the tide  
Rosemary Rayfuse, University of New South Wales, Faculty of Law
- 1450-1510 BREAK
- 1510-1520 Climate change and ocean energy  
David Leary, University of New South Wales, Faculty of Law
- 1520-1530 Climate change mitigation activities in the ocean: Regulatory frameworks and implications  
Robin Warner, University of Wollongong - Australian National Centre for Ocean Resources and Security (ANCORS)
- 1530-1540 TBC  
David Vousden (Agulhas & Somali Current LME)
- 1540-1550 TBC  
Christian Susan, UNIDO (Guinea Current LME)
- 1550-1630 DISCUSSION  
Ocean Governance - protecting the interests of developing states in the context of climate variability

### **Global Changes and Water Resources Workshop (for Freshwater Projects)**

Location: [Rydgges Hotel Tradewinds, 137 The Esplanade](#)

Workshop Coordinators:

Marc LeBlanc, Sarah Tweed and Michael Bird, [James Cook University](#)

#### *Session 1 Global Change Impacts on the Hydrologic Cycle*

Session Chairs:

Marc LeBlanc, James Cook University

Jim Wallace, CSIRO Land and Water

Christian LeDuc, Institute of Research for Development

Alice Aureli, UNESCO

Pradeep Aggarwal, IAEA

- general theme: surface water*
- 0830-0845 Climate change impact on tropical rivers and wetlands ecosystems; the wet tropics  
Richard Pearson, James Cook University
- 0845-0900 Climate impacts on the water balance of coastal rainforest in northern Queensland, Australia  
Jim Wallace, Commonwealth Scientific and Research Organization
- 0900-0915 Climate change impact on tropical rivers and wetlands ecosystems; the dry tropics  
Damien Burrows, Australian Center for Tropical Freshwater Research - James Cook University
- 0915-0930 Using historical records to identify long-term trends in relation to climate change: case study of the Irrawaddy River, Myanmar  
Michael Bird, James Cook University
- 0930-1000 Case Study: SADC Groundwater World Bank-GEF project  
Phillip Beetlestone, SADC Groundwater project

1000-1030	MORNING TEA BREAK <i>general theme: groundwater</i>
1030-1045	Nutrient movement through dynamic aquifers of the humid tropics Paul Nelson, James Cook University
1045-1100	Water resources in Limestone karsts and the impacts of quarrying David Gillieson, James Cook University
1100-1130	GEF Case Study on Transboundary Aquifers: GEF-OAS-Project on the Guarani Aquifer Luiz Amore (Guarani Aquifer project)
1130-1200	
1200-1220	Panel Discussion
1220-1330	LUNCH <i>general theme: integrated studies</i>
1330-1345	Impacts of global environmental change on water resources in transboundary basins Marc LeBlanc, James Cook University
1345-1400	Integrated water resources management in semiarid regions: lessons from the Kairouan region in Tunisia Christian Leduc, Institute of Research for Development
1400-1415	Climate change impact on lake systems in SE Australia Sarah Tweed, James Cook University
1415-1430	Assessing the impact of climate change on national water resources - recent experience in Australia impact of climate change on national water resources Albert Van Dijk, Commonwealth and Scientific Research Organization
1430-1445	Downscaling climate change information for hydrological applications and water management; a case study of the Murray Darling Basin Bertrand Timbal, Australia Bureau of Meteorology
1445-1515	AFTERNOON TEA BREAK
1515-1545	GEF-UNEP- Iullemeden and TWAP GEF projects Transboundary Aquifer Resources Management
1545-1615	UNESCO- IGRAC - GEF Science project
1615-1645	WWF case study on transboundary watershed
1645-1700	PANEL DISCUSSION                      QUESTIONS

#### **Pre-Conference Workshops Goals:**

##### Objectives

- ◆ Transfer regional best practices to the GEF IW portfolio especially in the context of mainstreaming climatic variability and change
- ◆ Provide an opportunity for GEF IW project to share their technical innovations and results

##### Outputs

- ◆ Presentations made available online @ <http://www.iwlearn.net>
- ◆ Discussion summaries prepared and posted online

##### Desired Outcomes

- ◆ Technical results inform and drive policy change
- ◆ Links established between Australian institutions and GEF IW project stakeholders

#### **Pre-Conference Day 2 - Sunday 25 October - Workshops and Conference Registration**

0900-1400

#### **Pre-Conference Targeted Workshops (continued...)**

Location: [Rydges Hotel Tradewinds, 137 The Esplanade](#)

*Pre-conference workshops continue.*

**Marine Ecosystems Technical Workshop - Contined....**

Location: [Rydges Hotel Tradewinds, 137 The Esplanade](#)

Workshop Coordinators:

Susan English, [Australian Institute for Marine Science](#)

Melanie King, [University of Queensland](#) (and Project Coordinator for the [GEF-IBRD Coral Reef Targeted Research project](#))

Campbell Davies, [Commonwealth Scientific and Industrial Research Organization](#)

Peter McGinnity, [Great Barrier Reef Marine Park Authority](#)

0800-0815 Coffee

*Session IV The Importance of Land-sea Interactions for Coastal Receiving Waters  
Chair: Britta Schaffelke, Australian Institute for Marine Science*

- 0815-0820 Introduction to the session  
Britta Schaffelke, Australian Institute for Marine Science
- 0820-0830 Ecosystem resilience to climate change at the land-ocean interface  
Robert Bechtloff, UNEP (Wastewater Training project)
- 0830 -0840 Groundwater pollution and the importance of coral reefs in the protection of the coastal zone  
Roberto Iglesias Prieto, Independent National University of Mexico (Coral Reef Targeted Research)
- 0840-0850 Contamination of tropical marine ecosystems and global climate change  
Andrew Negri, Australian Institute for Marine Science
- 0850-0900 Land-sea interactions and water quality issues in the GBR region  
Britta Schaffelke, Australian Institute for Marine Science
- 0900-0910 Reducing the Impacts of the Danube Basin on the Black Sea  
Peter Whalley (Tisza River Basin project and former Black Sea-Danube Strategic Partnership)  
DISCUSSION
- 0945-1015 BREAK

*Session V Science for Managers: interface between science & management  
Chair: Richard Kenchington*

- 1015 Introduction to the session  
Richard Kenchington  
Topic tbd  
Roger Bradbury, Australia National University/Tjurunga, Pty Ltd  
Topic tbd  
Paul Marshall, Great Barrier Reef Marine Park Authority  
Topic tbd  
Marea Hatzios, World Bank  
Topic tbd  
Sheridan Morris, Ridge to Reef Council  
Topic tbd  
Clive Wilkinson, IMPAC  
Topic tbd  
Bob Pressey, ARC Centre of Excellence, JCU  
Topic tbd

Jae Ryoung Oh, International Atomic Energy Agency - Marine Science Lab  
Monaco  
1115 DISCUSSION  
1215-1230 DEVELOP JOINT STATEMENT  
1230 LUNCH

**Global Changes and Water Resources Workshop (for Freshwater Projects) - Continued....**

Location: [Rydges Hotel Tradewinds, 137 The Esplanade](#)

Workshop Coordinators:

Marc LeBlanc, Sarah Tweed and Michael Bird, [James Cook University](#)

*Session 2 Integrated Water Resource Management*

Session Chairs:

Mac Kirby, Commonwealth Scientific and Industrial Research Organization - Land and Water

Alice Aureli, UNESCO

Pradeep Aggarwal, IAEA

0830-0845 TRack: Tropical Rivers and Cultural Knowledge  
Michael Douglas, Charles Darwin University  
0845-0900 Assisting communities identifying water management risks in a changing climate  
In the Solomon Islands  
Helen Ross, University of Queensland/International Water Centre  
0900-0915 Tools and methods used for assessing water management risks in a changing  
climate in Vanuatu  
Suzanne Hoverman, University of Queensland/International Water Centre  
0915-0930 Catchment to reef: contaminants transport through the water cycle  
Jon Brodie, JCU: Australian Center for Tropical Freshwater Research  
0930-1000 GEF UNDP-IAEA nubian sandston project  
IAEA  
1000-1030 MORNING TEA BREAK  
1030-1045 Linking land management to sub-surface water quality  
John Armour, Queensland Department of Environment and Natural Resources  
1045-1100 Catchment to reef: adaptive water management using the water quality  
improvement plans  
John Reghenzani, Terrain Natural Resource Management  
1100-1130 GEF-UNDP-UNESCO Project on DIKTAS karst aquifers  
1130-1200 IAH International Law and Sustainable Environmental Policies - Transboundary  
Waters Governance  
Ambassador Yamada, UN International Law Commission and Shammy Puri  
1200-1230  
1230-1300 Wrap up session and joint statment  
Conclusion and recommendations - The Way Forward -  
1300-1400 LUNCH

1400-1600

**Update on New Technologies and Panel Discussion on GEF-IW Project Needs**

Session Coordinator: Douglas Taylor, GEF STAP

*The GEF Scientific Advisory Panel (STAP) will offer a two hour Session on technology uses for water pollution monitoring and assessment, hypoxic zones, and genetic approaches associated with water quality assessment.*

The Session will stress the need for a conceptual basis to drive consideration of which technologies to apply:

- ◆ What are the technologies for?
- ◆ What should be measured?
- ◆ How to do the measurements in terms of technologies to use, data capture and analysis

*Session Goals:*

Objectives

- ◆ Greater awareness by GEF projects and GEF agencies of the latest technologies for monitoring (living organisms, water quality, etc)

1600-1800

### **Official Arrival and Registration**

Location: Cairns Convention Centre

Session Coordinator: Event Coordinator

*Participants are asked to register themselves at the Cairns Conference Centre and receive their welcome kits.*

### **Innovation Marketplace – Exhibit Center Set-Up**

Location: Hall C/D

Session Coordinator: Event Coordinator

*Participants will set-up their exhibits in the innovation marketplace.*

1830-2030

### **Welcome Reception**

Location: [Cairns Hilton Hotel Terrace, 34 Esplanade](#)

Session Coordinator: Laura Holbeck, Australia AID

*Participants are invited by the Australian Government for an evening welcome reception. Remarks will be given by the government. Also, the reception will feature a welcome-to-country from traditional owners.*

## **Day 1 - Monday 26 October**

Welcome Session Chair: Alfred M. Duda, GEF Secretariat

0900-0915

### **Welcome Reflections Video & Expectations**

Location: Hall A

*A short video covering the past IWC's, the regional context and the objectives of this conference, including participant expectations will be displayed.*

0915-0945

### **Keynote Welcome Address**

Location: Hall A

Speaker: Hon. Peter Garrett, Minister for Environment, Water, Heritage and the Arts, Australia - tbd

*Introduction of the speaker by the GEF Secretariat and a keynote address by the Australian Government.*

0945-1000

**Keynote Address**

Location: Hall A

Speaker: Hon. Rejoyce Mabudafhasi, Deputy Minister, Ministry of Water and Environmental Affairs, South Africa

*A keynote address on behalf of the IWC4 host country on issues relating to what policy-makers need out if IW interventions and assistance in terms of adaptation to climate change and ecosystem variability-tbd.*

1000-1025

**Welcome from the GEF and a Focus on Climate and the GEF5 Strategy**

Location: Hall A

Speaker: Alfred Duda, Senior Advisor - International Waters, Global Environment Facility

*The GEF Secretariat will open the 5<sup>th</sup> IWC, placing the event in the broader strategic context, including the key outputs from the Istanbul and Manado meetings.*

1025-1030

**IWC5 Objectives and Expectations**

Location: Hall A

Speaker: Steve Raaymakers, IWC5 Technical Coordinator, Eco-Strategic (CTI IW:LEARN project)

*The objectives of the conference, along with expected outputs and desired outcomes will be briefly summarized in plenary. Participants will be able to ask a few questions.*

1030-1100

**Networking Break**

Location: Hall C/D-Innovation Marketplace

1100-1315

**Asia-Pacific Region Challenges & Issues**

Location: Hall A

Marilou Drilon, Asian Development Bank

Tessa Goverse, UN Environment Programme

Marea Hatzios, World Bank

Anna Tengberg, UN Development Programme

*Results from the project portfolio in this region and plans for the future, featuring the Coral Triangle Initiative, will be presented. A question and answer session will follow the presentations.*

1100-1120

[Coral Reef Targeted Research \(CRTR\)](#)

Presenters: Paul Greenfield, Deputy Chancellor, University of Queensland (Coral Reef Targeted Research project) & Roberto Iglesias-Prieto, Independent National University of Mexico (Coral Reef Targeted Research project)

1120-1140

[Pacific Islands Oceanic Fisheries Management Project](#)

1140-1200	Presenters: Transform Aqorau, Deputy Director General, Forum Fisheries Agency & Les Clark, Forum Fisheries Agency <a href="#">Implementation of Sustainable Development Strategy for the Seas of East Asia</a> Presenter: Raphael Lotilla, Partnerships in Environmental Management for the Seas of East Asia (PEMSEA)
1200-1220	Hai River Basin Presenter: tbd
1220-1245	Discussion
1245-1315	The Coral Triangle Initiative Presenters: David McCauley, Asian Development Bank & Coral Triangle Initiative Country Representative -tbd

### **Session Goals:**

#### Objectives

- ◆ Share regional experiences and best practices from the host region to inform the IW portfolio
- ◆ Coral Triangle Initiative receives feedback from IW portfolio

#### Outputs

- ◆ Presentations

#### Desired Outcomes

- ◆ Host region projects contribute to leadership in transboundary water management on SIDS, oceans and climate impacts
- ◆ Other projects mainstream shared experiences and approaches

1315-1430

### **Lunch and Dessert/Coffee in the Marketplace**

Location: Hall B and Hall C/D (Innovation Marketplace)

Speaker:

Douglas Baird, Quicksilver Group of Companies

1430-1615

### **Small Table Dialogues on Mainstreaming Climate Considerations in GEF IW**

Location: Hall B

Session Coordinators: Chris Severin, GEF & Mish Hamid, GEF IW:LEARN

Facilitator: Steve Raaymakers, Steve Raaymakers, IWC5 Technical Coordinator, Eco-Strategic (CTI IW:LEARN project)

*This highly interactive session is devoted to the consolidation of outputs from the pre-conference workshops and the engagement of all participants on the question of priority topics for the future GEF IW project design. First, summary presentations will be made covering all three pre-conference workshops. Then, participants will be asked three primary questions for discussion in small table dialogues, with pre-appointed table chairs capturing the results of these dialogues. Participants will have roughly 15 minutes per question. During the break, the results of these small table dialogues will be captured and consolidated for presentation during part II of the session.*

1430-1450	Marine Pre-Conference Workshop Summary Presenter: Ove Hoegh-Guldberg, University of Queensland/Coral Reef Targeted Research project Co-Presenter: Ken Sherman, US NOAA
1450-1500	Surface Water Pre-Conference Workshop Summary Presenter: Marc Leblanc, James Cook University
1500-1510	Groundwater Pre-Conference Workshop Summary

Presenter: TBD-COMMONWEALTH SCIENTIFIC AND RESEARCH ORGANIZATION Land and Water

- 1510-1515 Introduction of the procedure and discussion questions
1. What are the key challenges for transboundary water systems with regard to climatic variability and change?
  2. What do Governments and transboundary waters joint institutions need to do to address those challenges?
  3. What type of assistance is needed from the GEF IW focal area to meet those challenges during the next GEF Replenishment?
- 1515-1615 Small Table Dialogues - Start

1615-1645

### Networking Break

Location: Hall C/D (Innovation Marketplace)

1645-1815

### Small Table Dialogues on Mainstreaming Climate Considerations in IW, Part II

Location: Hall B

Session Coordinators: Chris Severin, Global Environment Facility & Mish Hamid (CTI IW:LEARN project)

Facilitator: Steve Raaymakers, Steve Raaymakers, IWC5 Technical Coordinator, Eco-Strategic (CTI IW:LEARN project)

*After the break, participants will reconvene and be seated at thematic-regional tables (i.e. African LME's, WIO-LaB plus neighboring projects, Caribbean projects, Asian LME's, Groundwater, Europe/Central Asia lakes and rivers, learning projects). The compiled results of the first part of the session will be presented. The relevance of these results will be discussed and summarized with the facilitator seeking reflections from the larger groups.*

- 1645-1650 Results of Question #1 Discussions  
1650-1715 Reflections on Question #1  
1715-1720 Results of Question #2 Discussions  
1720-1745 Reflections on Question #2  
1745-1750 Results of Question #3 Discussions  
1750-1815 Reflections on Question #3

### Session Goals:

#### Objective

- ◆ Discuss the outputs from the thematic pre-conference workshops and its implications for the design and implementation of future GEF transboundary waters projects

#### Outputs

- ◆ Digested list of priority assistance needed

#### Desired Outcome

- ◆ Prioritized needs identified for future GEF IW project design in the context of mainstreaming climate variability and change

1815-2000

### Film Festival/Innovation Marketplace Review/Project AWARE Workshop

Location: Hall A (Film Festival) and Hall C/D (Innovation Marketplace)

The innovation market place (or exhibit area) will feature poster sessions showcasing project results and achievements. In addition, awards will be given for the best innovation marketplace exhibit (this will be in addition to the website competition). Participants are invited to rate exhibits showcasing IW projects and lessons learned. In addition, a film festival of the latest IW project films will be run. The projects, if available, will be asked to take a question following the film.

#### Films to be Premiered

- ◆ Partnership for a Healthy Western Indian Ocean, Western Indian Ocean-LaB (10min)
- ◆ Title-tbd, Agulhas and Somali Current Large Marine Ecosystem & Western Indian Ocean-LaB (educational documentary on issues related to the coastal and marine environment the WIO region) (2min).
- ◆ Title-tbd. Coral Triangle Initiative (12min)
- ◆ Managing By-Catch and Reducing Discards, FAO Shrimp Trawling Project
- ◆ Indigenous Knowledge in Coastal and Marine Resources, Tanzania (16 min), Coral Reef Targeted Research project
- ◆ Nile-tbd
- ◆ Title2-tbd. Coral Triangle Initiative (6min)
- ◆ Title-tbd, WWF-CTI Movie
- ◆ Title-tbd, Global Mercury Project
- ◆ Global Coral Reefs (4 minutes), Coral Reef Targeted Research project

1800-1900      Project AWARE Workshop: Innovative Community-Based Method for Monitoring Coral-Bleaching and Reef Health  
 Project AWARE, a conference sponsor will conduct a workshop. Here is a [brochure](#).  
 Location: TBD

SIDE EVENT: The **Gulf of Mexico Large Marine Ecosystem Project (GoM-LME)** will conduct a side workshop meeting, involving project country focal points, executing agency and counterparts from Mexico and the US, neighbour LME projects such as the Caribbean LME project (C-LME), stakeholders at large and experts related to issues related to the GoM-LME project. *Participants should meet at the UNIDO booth in the Innovation Marketplace every day at 1800.*

#### **Innovation Marketplace Goals:**

##### Objective

- ◆ Participating projects share experience and knowledge on their innovations

##### Outputs

- ◆ Exhibits at the innovation marketplace

##### Desired Outcome

- ◆ Successful scientific and technical innovation and lessons from GEF IW project experience shared across global portfolio.

#### **Day 2 - Tuesday 27 October - Site Visit**

0800-????

#### **Technical Site Visits: From Ridge to Reef**

Session Coordinator: [Steve Raaymakers](#), IWC5 Technical Coordinator, [Eco-Strategic](#)  
 Conference participants be offered both marine and watershed management options for the technical site visits, and these will showcase integrated water and other natural resource management issues; the consequences of climatic variability & change, as well local innovations and best practices aimed at addressing those issues and consequences, including public-private partnerships. The participants will hear presentations from and be guided by leading Australian scientists and natural resource managers, including indigenous resource managers, working in

*the various ecosystems visited. Participants will be asked to do a short exercise on integrated natural resource management.*

**Option #1: Catchment to Coast** (maximum 50 participants)

Location: Wet Tropics World Heritage Area



The itinerary will include (subject to detailed planning / refinement):

- ◆ Bus from hotels or Convention Centre to SkyRail rainforest canopy cable-way.
- ◆ SkyRail ride over Wet Tropics World Heritage rainforest to top of ridge – viewing rainforest and catchment management issues.
- ◆ Briefing by CEO of Wet Tropics Management Authority and indigenous natural resource managers at top of ridge.
- ◆ Bus down to coast – viewing catchment management initiatives en route (scientific guides/interpreters on bus).
- ◆ Tours of best-practice sugar-cane farm on coastal low-land.
- ◆ Indigenous traditional bush-food lunch.
- ◆ Tour of coastal wetland rehabilitation project.
- ◆ Tour of Cleaner Seas Alliance waste water treatment plant upgrade (example of public-private partnership).
- ◆ Bus back to hotels.

The Catchment to Coast field trip is sponsored and organized by:

- ◆ [Terrain NRM](#)

with additional support from:

- ◆ [Wet Tropics Management Authority](#)
- ◆ [SkyRail Rainforest Foundation](#)
- ◆ [Cleaner Seas Alliance](#)

[\[Click here to register for this site visit #1\]](#)

**Option #2: Great Barrier Reef** (max 250 participants)

Location: Port Douglas (by bus) and then the Great Barrier Reef (by boat)



The Great Barrier Reef trip will showcase integrated coastal and marine resource management issues and initiatives and public-private partnerships in the Great Barrier Reef World Heritage Area, and will include a practical demonstration of the CoralWatch coral bleaching monitoring

method by Project AWARE, which delegates who snorkel or SCUBA dive can choose to participate in directly (click here for details of CoralWatch activity).

The itinerary will include (subject to detailed planning / refinement):

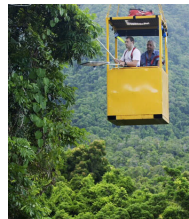
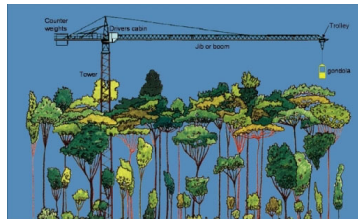
- ◆ Bus from hotels or Convention Centre to vessel departure point at Port Douglas, viewing Wet Tropics World Heritage coastal management issues.
- ◆ Vessel trip to Great Barrier Reef including interpretive talks by biologists / resource managers on coral island and reef management issues.
- ◆ Arrival at Reef – demonstration of CoralWatch monitoring method for coral bleaching (delegates who snorkel or dive can undertake practical in-water exercise). ([Brochure on this activity](#))
- ◆ Demonstration of climate-change research on Great Barrier Reef.
- ◆ General snorkelling and semi-submersible coral viewing vessels for those who do not swim / snorkel.
- ◆ SCUBA diving for qualified divers (extra cost – individuals to pay).
- ◆ Lunch.
- ◆ Return to Port Douglas.
- ◆ Bus back to hotels.

The Great Barrier Reef trip is sponsored by:

- ◆ [Reef and Rainforest Research Centre](#)
- ◆ [Sinclair Knight Merz](#)
- ◆ [Quicksilver Cruises](#)
- ◆ [Project AWARE](#)

[\[Click here to register for this site visit #2\]](#)

### Option #3: Rainforest Research Trip (max 40 participants)



The Rainforest Research trip will showcase state of the art tropical rainforest research and management initiatives in the Wet Tropics World Heritage Area near Cape Tribulation, in the world famous Daintree National Park. This will include the Rainforest Canopy Crane operated by James Cook University (JCU), surface- and groundwater monitoring sites, indigenous involvement in rainforest research and management and an award-winning education and interpretive centre with suspended rainforest board-walk.

The itinerary will include (subject to detailed planning / refinement):

- ◆ Bus from hotels or Convention Centre to Cape Tribulation within the Daintree National Park, viewing Wet Tropics World Heritage coastal management issues along the way.
- ◆ Visit to Rainforest Discovery Centre with suspended rainforest board-walk.
- ◆ Visit to the JCU Rainforest Canopy Crane and briefings from JCU scientists and indigenous resource managers on research projects and management issues.
- ◆ Visit to rainforest surface water and groundwater research and monitoring sites.
- ◆ Indigenous bush-food lunch

- ◆ Return to Cairns

The Rainforest Research trip is sponsored and organized by:

- ◆ [James Cook University](#)

[\[Click here to register for this site visit #3\]](#)

### **Technical Site Visit Goals:**

#### Objectives

- ◆ To observe regional real-life examples of the effects of climate variability and change on water systems

#### Desired Outcome

- ◆ GEF IW projects advance application of ecosystem-based management to integrate participatory natural resource systems management (e.g. improved stakeholder engagement to integrate freshwater and marine, land and water, and mainstreaming climate variability & change).

### **Day 3 - Wednesday 28 October**

0900-0915

#### **Reflections Video & Feedback**

Location: Hall A

*A short video will be displayed covering events of the previous day and also participant views.*

0915-1045

#### **Results-Based Management**

Location: Hall A

Session Coordinator: Ivan Zavadsky, Global Environment Facility

*New GEF focus on results-based management introduced along with reporting requirements (including the IW tracking tool), identification of systems at risk and what should be scaled-up in GEF5.*

Panelists:

Aaron Zazueta, GEF Evaluation Office (OPS4 and Performance of IW Portfolio)

Chris Severin, Global Environment Facility

Paula Caballero, UN Development Programme

Tracy Hart, the World Bank

Isabelle van der Beck, UN Environment Programme

0915-0945      The panel will reflect on their respective agency's experience plans for implementing results-based management of their IW portfolio

0945-1045      An interactive discussion between the panel and the audience will follow

### **Session Goals:**

#### Objectives

- ◆ Inform the GEF IW portfolio about policy changes regarding results-based management and practical reporting of on-the-ground results

#### Outputs

- ◆ Presentation, discussion summary online

Desired Outcomes

- ◆ GEF IW projects understand the need for results-based management and for reporting requirements

1045-1115

**Networking Break**

Location: Hall C/D (Innovation Marketplace)

1115-1300

**GEF IW Experience Sharing and Learning Portfolio**

Location: Hall A

Session Coordinator: Vladimir Mamaev, Regional Technical Advisor, UN Development Programme and Tessa Goverse, UN Environment Programme

Speakers: Learning Project Managers and Philip Weller, International Commission for the Protection of the Danube River

*The first part of this session will highlight the expanded portfolio of GEF IW learning projects, the products they will develop for the portfolio and the information needs they have. The second interactive part of the session will feature a facilitated discussion with the plenary on the gaps in learning in GEF5.*

- 1115-1125 [Legal and Institutional Frameworks project in Transboundary Waters Management](#)  
Presenter: Richard Paisley, University of British Columbia
- 1125-1135 Science-Based Understanding  
Presenter: Ralph Daley, United Nations University-INWEH
- 1135-1145 [Nutrient Reduction Best Practices in Central/Eastern Europe](#)  
Presenter: Chuck Chaitovitz, [Global Environment and Technology Foundation](#)
- 1145-1155 [Transboundary Waters Assessment Programme](#)  
Presenter: Elina Rautalahti, UN Environment Programme
- 1155-1205 Brief Question and Answer
- 1205-1215 ICPDR-CTI IW:LEARN Learning Exchange Program  
Presenter: Phillip Weller, Executive Secretary, International Commission for the Protection of the Danube River
- 1215-1225 GEF IW:LEARN  
Presenters: Sean Khan, UN Environment Programme and Mish Hamid (CTI IW:LEARN)
- 1225-1300 Facilitated Discussion on IW projects contributing to GEF corporate learning, learning gaps, and needs for future experience sharing and learning opportunities

**Session Goals:**

Objectives

- ◆ Inform GEF IW projects on existing learning opportunities and solicit their views on future learning needs.

Outputs

- ◆ Presentations, discussion summaries online

Desired Outcomes

- ◆ IW portfolio participates with IW experience sharing and learning projects on information needs, is aware of the knowledge product deliverables they will be able to access, and contributes to future learning opportunities
- ◆ Portfolio makes recommendations on future thematic areas for experience sharing and learning

1300-1350

### **Lunch**

Location: Hall B

Speakers:

Geoff Link, General Manager Water and Environment, Sinclair Knight Merz

Alan Dale, CEO, Terrain Natural Resource Management

1350-1445

### **Private Sector Involvement Round-table**

Location:

Session Coordinator: Steve Raaymakers, Steve Raaymakers, IWC5 Technical Coordinator, Eco-Strategic (CTI IW:LEARN project)

*A panel discussion on involvement of the business community in GEF IW projects (including the GEF Private Sector Platform).*

Panelists: TBD

Introductory remarks by Chris Severin on the [GEF Private Sector Platform](#)

### **Dessert/Coffee in the Marketplace**

Location: Hall C/D (Innovation Marketplace)

1445-1630

### **Project Management Workshops**

*To meet project requests, workshops for GEF IW project managers and stakeholders will take place covering a variety of topics, but with a concrete focus on results-based management. Participants will split for concurrent workshops.*

### **Life After GEF - Sustainability**

Location: Meeting Room 2

Session Coordinator: Philip Weller, International Commission for the Protection of the Danube River

*A session devoted to financial and institutional sustainability of GEF IW projects, including the role of public-private partnerships in project sustainability*

### **Workshop Goals:**

#### Objectives

- ◆ To discuss financial and institutional sustainability of GEF IW projects after closure.

#### Outputs

- ◆ Rapporteur summary

#### Desired Outcomes

- ◆ Awareness increased of the importance of including sustainability into projects

## Discourse on Transboundary Diagnostic Analysis-Strategic Action Programmes

Location: Meeting Room 3

Session Coordinator: Andrea Merla, UNESCO

*A nuts-and-bolts session on the development of Transboundary Diagnostic Analyses and Strategic Action Programmes.*

Presenters:

Chaminda Rajapakse (UNDP/FAO Okavango River Basin Project)

Peter Scheren ([UNEP Western Indian Ocean - Land Based Activities Project](#))

Stephen Maxwell Odonkor (UNDP/UNEP/UNIDO Guinea Current LME Project)

### **Workshop Goals:**

#### Objectives

◆ Respond to request stemming from IWC4 participant evaluations to share and increase collective knowledge on the development of TDA's and SAP's.

#### Outputs

◆ Rapporteur summary

#### Desired Outcomes

◆ Improved ability of GEF IW project managers to make informed decisions on TDA-SAP development.

## Development of GEF-IW Project Indicators

Location: Meeting Room 4

Session Coordinator: Andrew Hudson, UN Development Programme & Tracy Hart, the World Bank

*Effective, results-based management of GEF IW projects requires well-designed projects including logical framework matrix. Project outcomes and outputs require quantifiable targets and measurable indicators. This session will review GEF IW experience with the design of logical frameworks, drawing on the experience of several of GEF's most seasoned project designers and managers as well as from session participants, and aim to identify and codify some best practices.*

### **Workshop Goals:**

#### Objectives

◆ Improve the quality of indicators in project logical frameworks.

#### Outputs

◆ Chair summary of critical guidance.

#### Desired Outcomes

◆ Project logical frameworks include more quantifiable indicators for results and impacts.

1630-1700

## Networking Break

Location: Innovation Marketplace

1700-1800

## Who Wants to be a Results-Based Project Manager?

Location: Hall A

Hosts: Andrew Hudson, UN Development Programme  
Session Coordinators: Chris Severin, Global Environment Facility & Mish Hamid (CTI IW:LEARN)

*An exercise to acquaint participants with the GEF IW tracking tool and its application to Results-Based Management in the IW Portfolio*

### **Session Goals:**

#### Objectives

◆ Engage people on improving result-based reporting and also further acquaint people with the IW tracking tool.

#### Desired Outcomes

◆ Increased participant awareness of the IW tracking tool and improved results-based reporting.

1800-2000

### **Classic Film Festival and Innovation Marketplace Review**

Location: Hall A (Film Festival) and Hall C/D (Innovation Marketplace)

*The innovation market place (or exhibit area) will feature poster sessions showcasing project results and achievements. Awards will be given for the best innovation marketplace exhibit in addition to the website competition. Participants are invited to rate exhibits showcasing IW projects and their results. In addition, a film festival of the latest IW project films will be run. The projects, if available, will be asked to answer questions following the film.*

#### Films to be Screened

- ◆ Black Sea: [The Sea that Nearly Died](#)
- ◆ Lake Manzala: [Engineered Wetlands: Only a Low-Cost Sewage Treatment Alternative?](#)
- ◆ Lake Chad: [ChadWet: Wetlands, Water, and Livelihoods](#)
- ◆ Yellow Sea: [Regional Conference on Parliamentary Roles in Protection of Marine Environment and Sustainable Use of Marine Resources in the Yellow Sea](#)
- ◆ Ballast Water: [Invaders from the Sea](#)

### **Day 4 - Thursday 29 October**

0900-0915

#### **Reflections Video**

Location: Hall A

*A short video will be displayed covering events of the previous day and also participant views.*

0915-1045

### **Participant-led Workshops**

*Participants organize ad hoc workshops during the conference in addition to the following workshops prepared prior to the IWC.*

#### **Gender and Water (90min)**

Location:

Session Coordinator: Susan Bazilli, University of British Columbia ([Legal and Institutional Frameworks project](#))

#### **Balancing Multiple Objectives and Dealing with Tradeoffs in Decision-making (90min)**

Location:

Session Coordinator: Glen Hearn, University of British Columbia (Legal and Institutional Frameworks project)

**CRTR: Impact at the Local-level, Coral Reef Restoration and Community Livelihoods**

Location:

Session Coordinator: University of Newcastle Upon Tyne (Coral Reef Targeted Research project) & Eduardo Gomez, University of the Philippines - Marine Science Institute (Coral Reef Targeted Research project)

**Public-Private Partnerships**

Location:

Session Coordinator: Steve Raaymakers, Steve Raaymakers, IWC5 Technical Coordinator, Eco-Strategic (CTI IW:LEARN project)

**Towards a Synergetic GEF Programme for the WIO LME's**

Location:

Session Coordinator: Peter Scheren, UN Environment Programme (Western Indian Ocean Land Based Activities project)

**Water Governance from RULE to NEGOTIATE to SHARE: Reaching Agreements Over Water**

Location:

Session Coordinators: Mark Smith, World Conservation Union (IUCN) and Ganesh Pangare, World Conservation Union (IUCN) - Asia Regional Water and Wetlands Programme

**Workshop Goals:**

Objective:

◆ Enable participants to identify strategies, skills and tools needed for effective water reforms processes based on analysis of water governance capacity

Outputs:

◆ Prioritisation of needs for building transboundary and national water governance capacity in contrasting geographic cases from Asia, Latin America and Africa.

Outcomes:

◆ Participants familiarised with concepts and tools and better able to identify key entry points for reforms needed to build national and transboundary water governance capacity.

**CC Adaptation Planning for the Coral Triangle**

Location:

Session Coordinator: Asian Development Bank

1100-1130

**Networking Break**

Location: Hall C/D (Innovation Marketplace)

1130-1300

**Participant-led Workshops (continued...)**

Location: Various TBD

**Connecting the Dots: Sharing Successes is Critical to Informing Future Investments**

Location:

Session Coordinator: Chuck Chaitovitz, Global Environment and Technology Foundation (The Living Water Exchange: A GEF/UNDP project promoting [nutrient reduction best practices in Central and Eastern Europe](#))

**Interaction with Asia-Pacific Project Managers on Legal/Institutional Frameworks (90min)**

Location:

Session Coordinator: Susan Bazilli, University of British Columbia (Legal and Institutional Frameworks project)

**African Water Governance: Achievement and Challenges**

Location:

Session Coordinator: Thomas Petermann, InWEnt (Africa Water Governance project)

**From Local to Global: Modeling Coral Reefs as if People Mattered**

Location:

Session Coordinator: Roger Bradbury, Australia National University/Tjurunga (Coral Reef Targeted Research project)

**An LME Approach to Marine Biosecurity and Ships' Ballast Water - GloBallast Tools and Guidelines**

Location:

Session Coordinator: Jose Matheickal, International Maritime Organization (Ballast Water Partnerships)

**GEF Evaluation Office Impact Study for the International Waters Focal Area**

Location:

Session Coordinator: Aaron Zazueta, Global Environment Facility - Evaluation Office

**The IW:LEARN Website Toolkit**

Location:

Session Coordinator: Sean Khan and Richard Cooper, UN Environment Programme (GEF IW:LEARN)

1300-1415

**Lunch and Dessert/Coffee in the Marketplace**

Location: Hall B and Hall C/D (Innovation Marketplace)

Speaker:

Gilly Llewellyn, World Wildlife Fund

David Souter, Reef & Rainforest Research Centre

*Participants will receive a conference evaluation form upon arrival in the lunchroom. Participants will be asked to submit them at the termination of the conference.*

1415-1615

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**Closing Plenary**

Location: Hall A

Session Coordinator: Ivan Zavadsky, Global Environment Facility

*The closing plenary will feature remarks on climate and water from the Australian government, reflections on the IWC and the way forward from the GEF IW Task Force, and an awards ceremony.*

1415-1545

**The Challenge Ahead: What We Have Heard and What Next**

Chair: Ivan Zavadsky, Global Environment Facility

Panel

Andrew Hudson, UN Development Programme

Isabelle van der Beck, UN Environment Programme

Tracy Hart, World Bank

David McCauley, Asian Development Bank

Jacob Burke, Food and Agricultural Organization

Igor Volodin, UN Industrial Development Organization

Ms. Maria del Rosario Navia Diaz, Inter-American Development Bank

Meryl William, GEF Scientific and Technical Advisory Panel

Ken John, African Development Bank-tbd

Mark King, European Bank for Reconstruction and Development-tbd

Inter-American Development Bank-tbd

1545-1600

**Award Ceremony**

Chair: Alfred Duda, GEF Secretariat

◆ Best Project Website

◆ Best Innovation Marketplace Exhibit

1600-1615

**IWC 6 in the Mediterranean & Closing Remarks**

Speakers:

Alfred M. Duda, GEF Secretariat

Ivica Trumbic, on behalf of the Mediterranean Action Plan for the Barcelona Convention

1615-1745

**Evaluation, Innovation Marketplace Teardown & Mediterranean Farewell Drink**

Location: Hall C/D (Innovation Marketplace)

*Participants will receive a final farewell drink (with Mediterranean flair in exchange for their evaluation form. Participants should also use this time to remove their exhibits and materials from the innovation marketplace.*

**END OF CONFERENCE**