

## **Conference Announcement and Call for Paper Abstracts**

# **Integrating Analysis of Regional Climate Change and Response Options**

***An Expert Meeting on Regional Impacts, Adaptation, Vulnerability, and Mitigation***

***Sponsored by the IPCC Task Group on Data and Scenario Support for Impact and Climate Analysis (TGICA), the Global Change System for Analysis, Research and Training (START) and the Pacific Center for Environment and Sustainable Development at the University of South Pacific (PACE/USP)***

**Nadi, Fiji, June 20-22, 2007**

Human-induced climate change is a reality. Energy use, land transformations and other activities are increasing the atmospheric concentrations of gases that are warming the Earth and causing other changes to the climate. The changes in climate, the impacts on physical and biological systems, the vulnerability of ecological and human systems, and the harmful and beneficial consequences for human well-being and sustainable development will be conditioned by exposures to other stresses and the capacity to cope, recover and adapt, all of which will vary across space and time. Planning appropriate responses to manage climate change risks requires scientific understanding of system processes from global to regional to finer spatial scales, at time steps ranging from the very near term to multi-century time scales, and interactions across the many systems affected by climate change, including physical, ecological, and socioeconomic processes. Developing this understanding will require further advances in regional research that better integrates connections and feedbacks across these system processes at variable temporal and spatial scales.

The IPCC Task Group on Data and Scenario Support for Impact and Climate Analysis (TGICA) announces an international meeting to explore innovative research approaches for addressing the multi-scale and multi-disciplinary challenges associated with climate change impacts, adaptation, vulnerability and mitigation.

This regional expert meeting, “Integrating Analysis of Regional Climate Change and Response Options”, has six primary objectives:

1. To identify and explore innovative research approaches for dealing with multi-scale issues and cross-system processes that are relevant to climate change impacts, adaptation, vulnerability and mitigation;
2. To continue to foster dialogue among researchers from different fields of climate change research (the climate system; biophysical and human system impacts, adaptation and vulnerability; and mitigation), as well as relevant stakeholder communities;
3. To explore the complexities arising from the combination of multiple climatic and non-climatic stressors;
4. To engage a growing community of scientists active in observation and modelling of global and regional scale changes in Earth and human systems; climate change and climate variability impacts, adaptation, and vulnerability; climate change mitigation; environment and sustainable development linkages; and related areas of research;
5. To identify the ways in which the TGICA can continue to facilitate research, including greater access to observational and model data; and
6. To recognize and prepare for future needs of the IPCC, the DDC and related avenues of data dissemination, and the community-at-large.

# Conference Announcement and Call for Paper Abstracts

## Call for Abstracts

To meet the above-mentioned objectives, we invite abstracts that address the following challenges:

- Integrating socio-economic, environmental and climate datasets, both observational and projected, which address quantifying uncertainty across data sets and risk assessment, and/or resolving variable spatial scales, time steps and different sources of data;
- Exploring feedbacks and couplings among different systems, across spatial scales and across temporal scales;
- Assessing issues associated with rapid changes, thresholds and discontinuities;
- Addressing methodological constraints;
- Identifying spatial teleconnections among different systems; and
- Identifying repercussions and consequences of cascading effects.

Participation by established as well as early career scientists from all regions of the world and varying areas of climate systems research (including impacts, adaptation, mitigation, integrated assessment) is encouraged. Abstracts should focus on methodological approaches or regional case studies using new innovative or integrative approaches. Sessions may include, but are not limited to, downscaling scenarios; complexities and non-linearities; integrating socio-economic, environmental, and climate datasets; feedbacks and thresholds; spatial teleconnections and cascading effects; and regional case studies.

Leading experts will be invited to present keynote talks on critical issues. Ample time will be included for discussion and informal interactions. Authors of accepted abstracts will be asked to prepare a paper in advance of the workshop, a poster for display at the workshop, and a 3-minute presentation. The format will maximize the opportunity for reviewing the wide array of approaches, and for discussion amongst the participants. A meeting report synthesizing the presentations, and summarizing recommendations on future research avenues in support of IPCC objectives will be produced under the auspices of the TGICA.

**Abstract Submission:** Abstracts should clearly describe the challenge(s) to be addressed, the specific issue under consideration, the method or approach that will be presented and/or the region of interest. Abstracts must be submitted by e-mail to [ipcc-wg1@al.noaa.gov](mailto:ipcc-wg1@al.noaa.gov) no later than **30 November 2006** using the form provided at the end of this announcement. Submitted abstracts will be reviewed by the conference steering committee and invited papers will be announced by **15 January 2007**. Authors must submit a full paper no later than **1 May 2007**. Failure to do so will result in retraction of the invitation to participate in the meeting.

**Financial Support:** Financial support for travel, lodging and subsistence is available for invited participants from developing and transition economy countries. Invited participants from developed countries must acquire support for their expenses. Note that this is an IPCC sanctioned conference and that many developed countries have established funds to support the costs for participation in IPCC meetings by their scientists. Paper authors from developed countries should contact their IPCC national focal point to inquire about possible financial support.

For more information, please contact [ipcc-wg1@al.noaa.gov](mailto:ipcc-wg1@al.noaa.gov).

## Form for Submission of Paper Abstract

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**Complete and send this form by 30 November 2006 to [ipcc-wg1@al.noaa.gov](mailto:ipcc-wg1@al.noaa.gov)**

Submitted abstracts that are accepted will require the invited participant to tender a full paper no later than 1 May 2007. Failure to submit a full paper by this date will result in the retraction of invitation to participate in the meeting. Accepted abstracts will be asked to prepare a poster for display at the workshop and a 3-minute presentation.

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Family Name:	
Given Name:	
Title and Affiliation:	
Mailing Address:	
E-mail address:	
Telephone no.:	
Fax number:	
Nationality:	
Names of co-authors:	
Paper title:	
Research theme (see themes listed in the call):	
System(s) that is (are) the focus of the paper:	
Spatial scale(s) of the analysis:	
Temporal scale(s) of the analysis:	
Methodological and/or data problems addressed (see examples listed in the call):	

***Please attach Abstract separately (no more than 500 words).***