



Ministry for the  
Environment  
Haukei Mō Te Taiao



US Climate Change  
Science Program  
[www.climate-science.gov](http://www.climate-science.gov)

APN  
Asia-Pacific Network for Global Change Research



# Asia-Pacific Network for Global Change Research

## Developments in Climate Change

**Dr. Andrew W. Matthews**

APN nFP for New Zealand & SPG Co-Chair

SBSTA30 Informal Dialogue: Wednesday, June 3rd 2009, Bonn, Germany

# APN's Mission



## APN Strategic Plan 2005/06-2009/10

The mission of the APN is to enable investigation of change in the Earth's life support systems as it occurs in the Asia-Pacific region to:



Identify, explain and predict changes in the context of both natural and anthropogenic forcing,



Assess potential regional and global vulnerability of natural and human systems, and



Contribute, from the science perspective, to the development of policy options for appropriate responses to global change that will also contribute to sustainable development

# Climate Change Challenges



- Climate change is the foremost concern particularly **vulnerabilities, impacts and adaptation**
- **lack of human & institutional capacity & limited financial resources** are the main challenges in implementing climate research
- **mainstreaming** climate research results into national policy

**APN** Asia-Pacific Network for Global Change Research  
supporting regional global change research

**Annual Report 2006/2007**  
**enhancing scientific capacity in developing countries to improve decision-making in focus areas of global change and sustainable development**

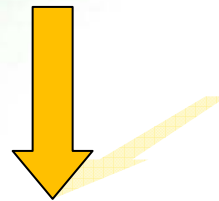
Newsletter Mailing List

The **APN** is an *inter-governmental* network fostering **global change** research and links between **science** and **policy-making** in the Asia-Pacific region.

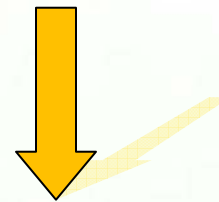
[www.apn-gcr.org](http://www.apn-gcr.org)

## **Sectors Most at Risk**

Agriculture, Water (floods, drought, security), Forests,  
Coastal zones, Mangroves, Maritime resources



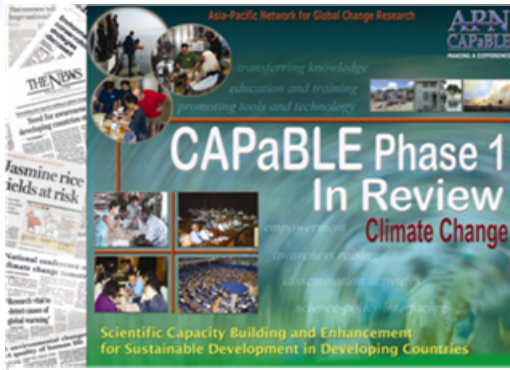
**mainstreaming adaptation strategies most challenging**



## **APN's Response (NWP-related)**

Scientific Capacity Building for Impact and Vulnerability  
Assessments

## 3 Years of Capacity Development and Research in Climate Change under CAPaBLE



Trained over 300 scientists

Raised awareness of over  
4000 people

Published over 50  
peer-reviewed papers

**“In Review” highlights CAPaBLE is**

Policy relevant, developing capacity, creating partnerships,  
raising awareness, promoting sustainable societies.

## Science-Policy

- Informed decision-making based on international assessment, convention reports
- Established climate change research centres
- Established centres, task forces, units within governments, with a mix of scientists, planners and decision-makers
- Promoting initiatives at the national/local level: low carbon society, use of biofuel, energy efficiency and green technology
- Engaging the public/science/policy communities in dialogue for sharing information and raising awareness

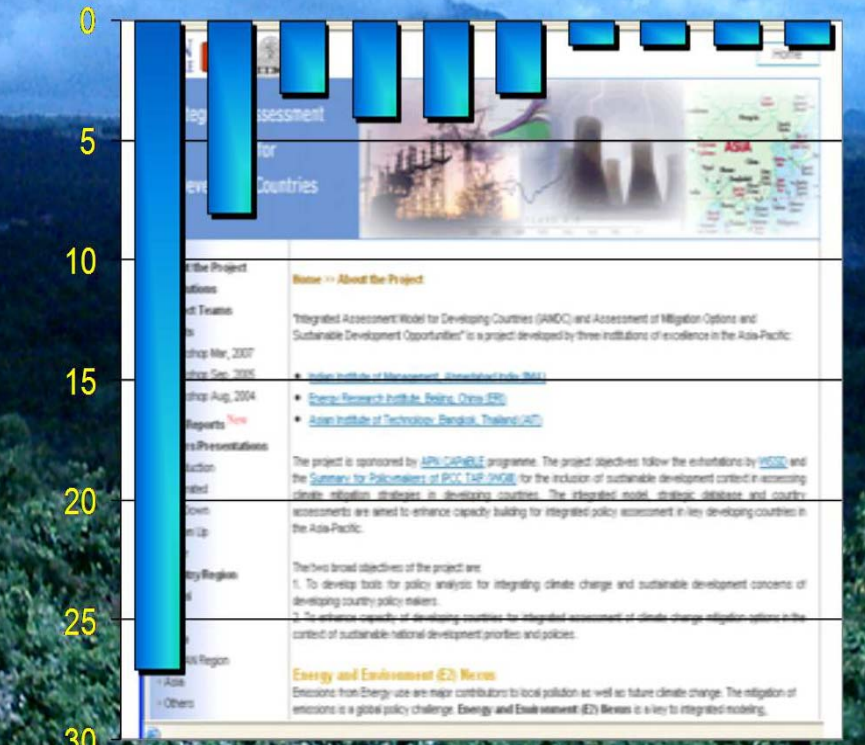
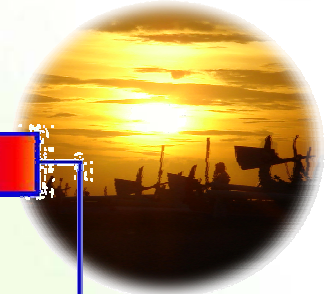


**Obstacles still exist,  
but are actively being  
challenged**

# Interdisciplinary & IPCC Relevant Research (Annex 3)



- Technical/Research Reports
- Workshop Proceedings
- Peer-Reviewed Papers
- Capacity Building Workshops
- Dissemination Workshops
- CD-ROM
- Models Used/Workshops
- Book/Chapter in a Book
- Website Establishment
- Database



IPCC TAR 2001



WG III

**Integrated Assessment Model for Developing Countries and Analysis of Mitigation Options and Sustainable Development Opportunities**



IPCC AR4 2007

**Developed a new framework for policy modelling and analysis to align sustainable development & climate change for climate change action plans**

# Key to Success

## Continued success through

- Continuous dialogue
- Strengthened partnerships
- Among all stakeholders
- At all Levels



GLOBAL  
IGBP  
CHANGE

WCRP







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Environment  
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**Contact  
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For more information, please visit:

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