



# Asia-Pacific Network for Global Change Research (APN)

**Workshop: Designing and Establishing Cambodian  
Low Carbon Development Plan**

**29 May 2012, Himawari Hotel, Phnom Penh**

**Sundara SEM**

**National Focal Point of Cambodia for APN, and Director of Department  
of ASEAN and International Cooperation**

**Ministry of Environment, Kingdom of Cambodia**



United States  
Global Change  
Research Program



Ministry for the  
Environment  
*Ministry Meets Today*

**APN**  
Asia-Pacific Network for Global Change Research



# Outline

1. What is the APN
2. APN Members, Sponsors and Stakeholders
3. Goals of the APN
4. Core Activities under the Science Agenda:
  1. Annual Regional Call for Research Programme
  2. CAPaBLE Programme
5. New Initiatives
  1. Climate Adaptation Programme
  2. **Low Carbon Initiative**



# An Overview

**APN** was established in 1996, is a network of 22 member governments in the Asia Pacific supporting regional global change research and enhancing scientific capacity in developing countries to improve decision-making in focus areas of global change and sustainable development.



*We define global change as the set of natural and human-induced changes in the Earth; in its physical, biological, and social systems that, when aggregated, are significant at a global scale.*



# Member Countries



Australia



Bangladesh



Bhutan



Cambodia



China



Fiji



India



Indonesia



Japan



Lao DPR



Malaysia



Mongolia



Nepal



New Zealand



Pakistan



Philippines



Republic of Korea



Russian Federation



Sri Lanka



Thailand



USA



Viet Nam

**Pacific Island Countries and Singapore are approved countries whose scientists are eligible to receive funding under APN awards.**



# Financial Resources

The APN is sponsored by the governments of:

## ✿ Japan

Ministry of the Environment  
and Hyogo Prefecture

## ✿ New Zealand

Ministry for the Environment

## ✿ Republic of Korea

Ministry of Environment

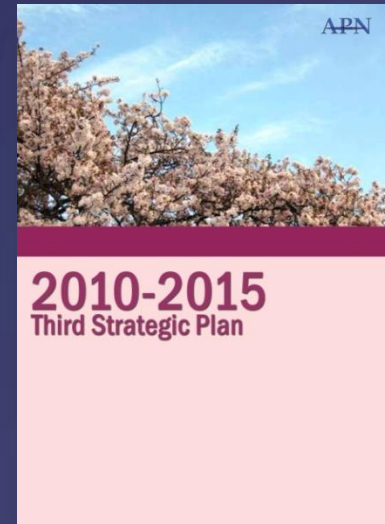
## ✿ United States of America

National Science Foundation  
US Global Change Research  
Program





## 3<sup>RD</sup> STRATEGIC PHASE



### APN GOALS

Supporting regional cooperation in global change research on issues particularly relevant to the region

Strengthening appropriate interactions among scientists and policy-makers, and providing scientific input to policy decision-making and scientific knowledge to the public

Improving the scientific and technical capabilities of nations in the region, including the transfer of know-how and technology

Cooperating with other global change networks and organisations



# Annual Regional Call for Research Proposals (ARCP)

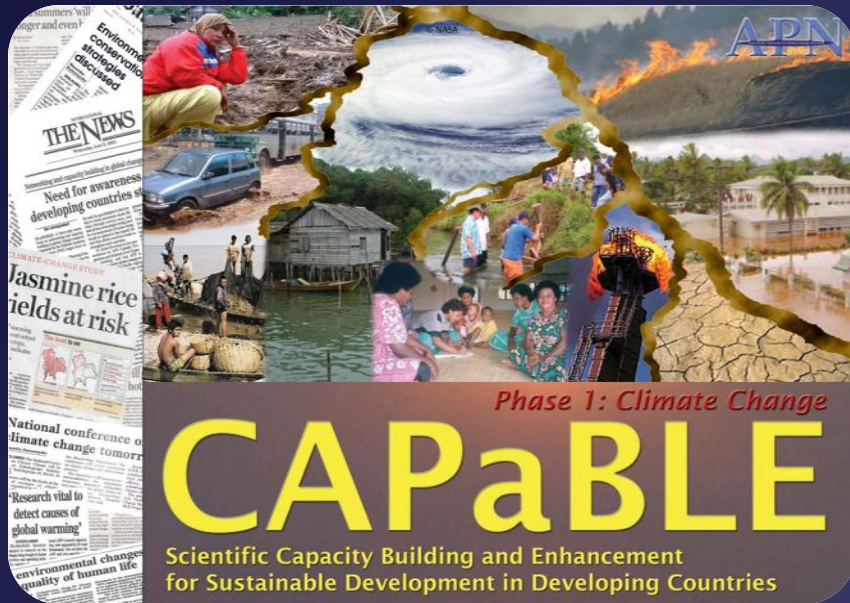


One of the scientific pillars of the APN to **support global change research** in the Asia-Pacific region.

Competitive process launched in 1998 to select projects for funding under the Science Agenda.



# Capacity Building Programme



- The Scientific Capacity Building for Sustainable Development in Developing Countries programme (CAPaBLE), was launched in April 2003, an initiative to realize parts 107 to 114 of the Johannesburg Plan of Implementation (JPOI) for the WSSD and was registered as a WSSD Type II Partnership Initiative. Of particular relevance is Part 111 of JPOI:

*“Establish regular channels between policy-makers and the scientific community for requesting and receiving science and technology advice for the implementation of Agenda 21, and create and strengthen networks for science and education for sustainable development, at all levels, with the aim of sharing experiences and best practices, and building scientific capacities, particularly in developing countries”.*

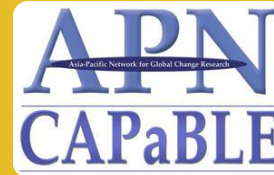




# APN Core Activities



supporting/managing  
23 projects (15 new  
and 8 continuing)



supporting/managing **15**  
**new and 2 continuing**  
capacity building  
projects



## Focused Activities

- 6 EBLU
- 2 RUSD
- 7 SCBCIA

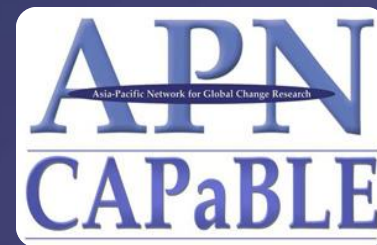
2012/13 projects: <http://www.apn-gcr.org/2012/04/06/announcement-approved-new-and-continuing-projects-for-financial-year-2012/13/>





# APN's Project Proposal

The 2012 Calls for Proposals under the ARCP and CAPaBLE programmes will be launched **this week.**





# Linking Climate Change & Sustainable Development

- Synthesis of climate-related research and capacity development over **10 years**
- **56** completed projects in an 88-page synthesis where
- “policy” is quoted **143 times**....and “sustainable development” is quoted **30 times**

## Focus Chapters

• Food, Agriculture and Climate

• Seasonal Climate Prediction & Application

• Climate Variability, Trends and Extremes

• Regional Climate Change Modeling

• Vulnerability & Adaptation to Climate Change

• Climate Change Mitigation

• Climate Change Policy & Outreach

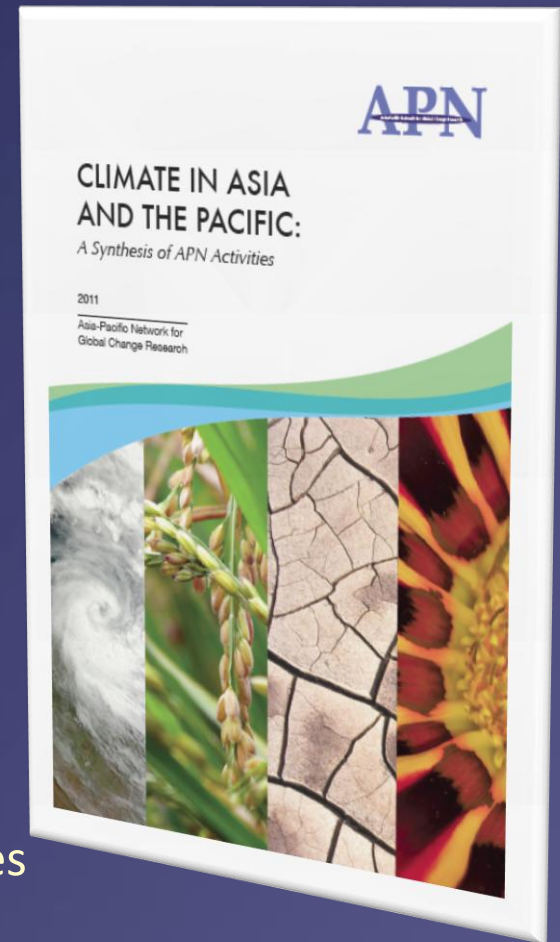




# APN Climate Synthesis Report

## Recommendation

- ✿ **Community-based climate adaptation**, as well as reducing vulnerability and building resilience, requires *much more attention....*
- ✿ **Climate change and disaster risk management** must be mainstreamed into national development strategies....
- ✿ Critical to climate adaptation research, practice, and policy are **downscaled climate data....**
- ✿ Encourage APN member countries to increase the **capacity to formulate national strategies on adaptation....**
- ✿ Develop programmes to enhance the **capacity of major players** in adaptation planning and implementation; local universities and academic institutions, communities and local governments....
- ✿ Develop **localized climate change impact tools**, especially IAMs...





# APN's Climate Adaptation Programme

Regional scale Research

Downscaled modelling technologies

Information and knowledge sharing

Disaster risk management  
(contributing to loss and damage)

Systematic training and capacity building for scientists / practitioners

Science-Policy dialogue in AP region





# APN's Climate Adaptation Programme

- ❖ **Component 1:** Scoping workshop to develop the programme and enhance climate adaptation actions of APN developing countries
  - ❖ collaboration with ICAS Ibaraki University
  - ❖ Determine prioritized thematic areas
  - ❖ Determine methodologies and tools to support developing countries
- ❖ **Component 2:** Joint Training Course on adaptation planning and implementation in the AP region
  - ❖ collaboration with UN-CECAR
  - ❖ Invite researchers and practitioners in prioritized thematic areas
- ❖ **Component 3:** Proposal Development Training Workshop (PDTW) with focus on adaptation



# Towards Green Growth & Low Carbon Initiative Programme

## **Towards Green Growth—APN's Perspective**

The APN sees green growth as a pathway that leads to the solution to one of the biggest challenges of our time, that is, to achieve improvement in human wellbeing while, at the same time, respecting planetary boundaries. The APN also understands that the challenges and obstacles to green growth facing the Asia-Pacific region cannot be fully addressed without international cooperation among actors at all levels. With this in mind, the APN seeks to support countries in the region to address these challenges through collaborative research, capacity enhancement and knowledge sharing, areas where the APN finds its niches.

## **Low Carbon Initiative.**

The APN has launched a Low Carbon Initiatives (LCI) programme with a view to enhancing mitigation actions across countries in the region to help achieve the global vision for a low-carbon, sustainable future. Starting from 2012, the LCI will be a three-year programme supporting regional research, capacity development and networking activities related to low carbon development.



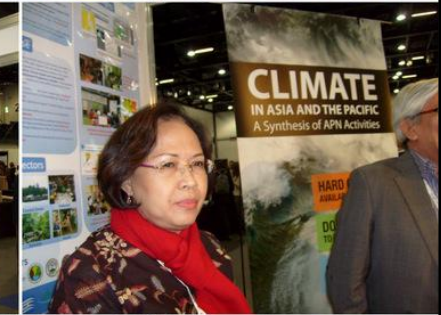
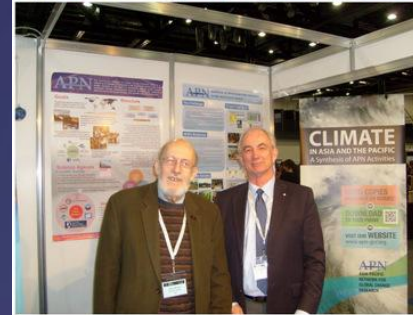
# APN's Low Carbon Initiatives Programme

Advanced research in Integrated Assessment Modeling

Comparative research on national low carbon development strategies

Cross Cutting Issues that encompass traditional/cultural practices

Research that formulates low-carbon development pathways and scenarios







For more information, please visit

<http://www.apn-gcr.org>

or email

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*People are empowered by active participation, so they should be involved in assessing what is needed. Community level involvement is fundamental.*

