

APN's Climate Adaptation Strategies in Asia and Pacific

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Networking Beyond Rio+20:

Climate Adaptation Partnership for Sustainable Development

Climate "Adaptation Futures" Conference

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United States
Global Change
Research Program



Ministry for the
Environment
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APN
Asia-Pacific Network for Global Change Research

Outline

- ✿ What is the APN
- ✿ APN Members, Sponsors and Stakeholders
- ✿ Goals of the APN
- ✿ Core Activities under the Science Agenda:
 - ❖ Annual Regional Call for Research Programme
 - ❖ CAPaBLE Programme
- ✿ Linking Climate Change & Sustainable Development (APN Synthesis Report)
- ✿ APN's Climate Adaptation Programme - Linking

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

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



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

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

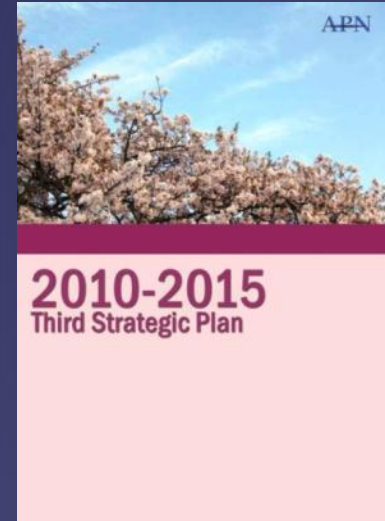
Ministry of Environment

✿ United States of America

National Science Foundation
US Global Change Research
Program



3RD 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

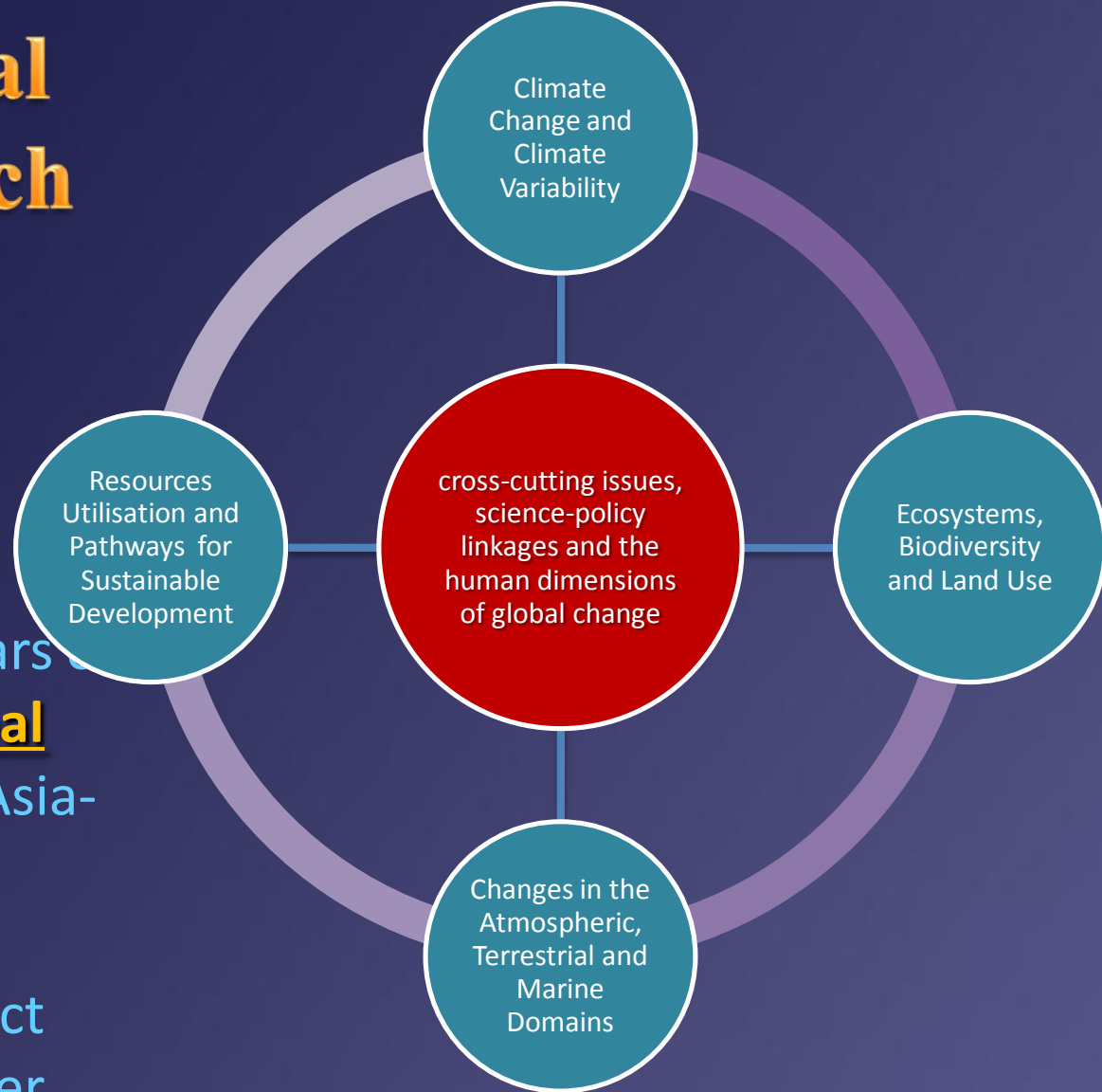
Cooperating with other global change networks and organisations

Annual Regional Call for Research Proposals (ARCP)

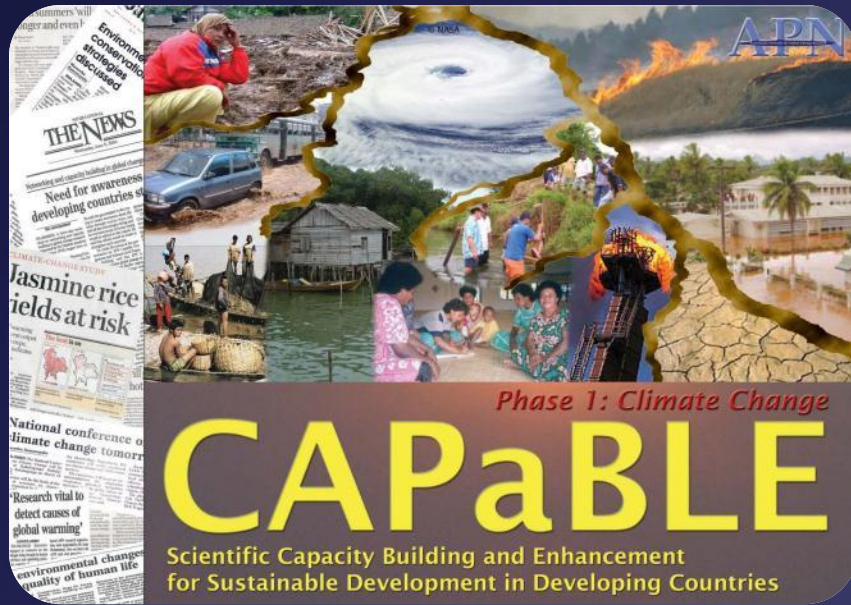
One of the scientific pillars of the APN to **support global change research** in the Asia-Pacific region.

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

22 projects (12 new, 10 continuing)



Capacity Building Programme



16 new and 2 continuing projects

The Scientific Capacity Building for Sustainable Development in Developing Countries programme (CAPaBLE), was launched in April 2003, an initiative to realise parts 107 to 114 of the Johannesburg Plan of Implementation (JPOI) for the WSSD

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

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

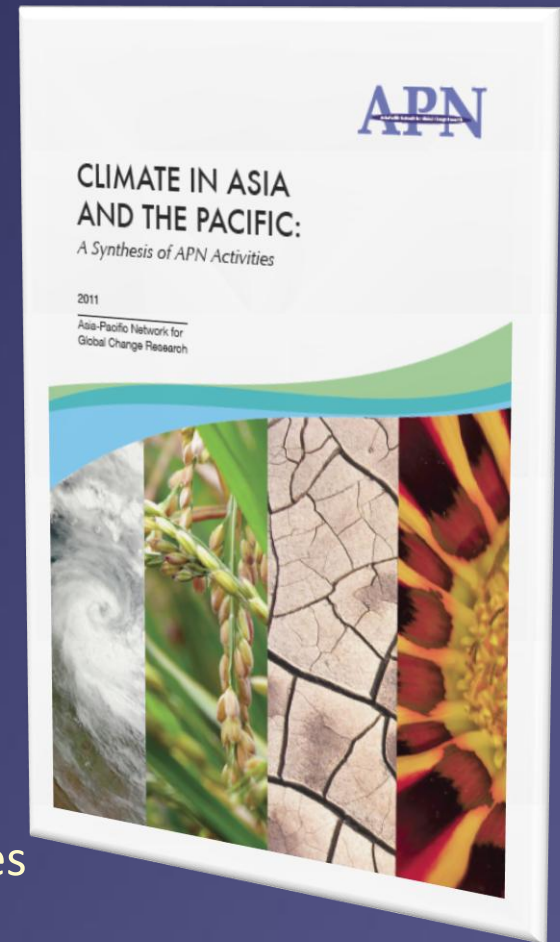
• Climate Change Policy & Outreach



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...



Role of APN for Cancun Adaptation Framework

● Regional centre to support scientific activities in Asia-Pacific region

- Regional scale Research
- Downscaled modeling technologies
- Information and knowledge sharing
- Disaster risk management
- Systematic training and capacity building for scientists / practitioners
- Policy dialogue in AP region

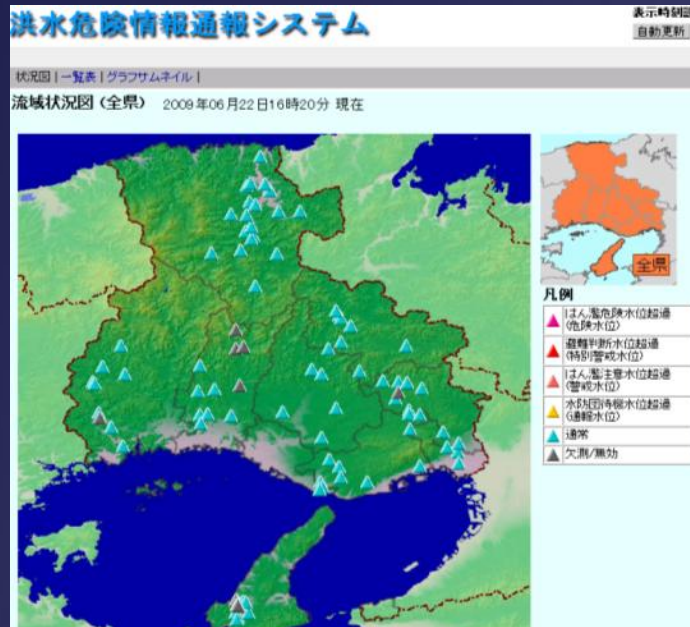


APN's Climate Adaptation Programme

- ✿ **Component 1:** Scoping workshop to 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

Trans-disciplinary approach for adaptation

- Possible areas where science can contribute to policy
 - Disaster risk management
 - River basin , Coastal cities (downscaling available for planning national /provincial /urban strategies)
 - Food security
 - Impact assessment on future crop production (to provide solutions for practitioners)



Tools and Methodologies are keys for interaction with policy

● For research programme (Example)

- Focusing on specific thematic areas beneficial for formulation of adaptation plans that will be conducted in several years
- Quantitative and qualitative analyses
- Present and future impact assessment
- Top down and bottom up

● For capacity development (Example)

- Participants/Partners (in particular, practitioners)
- Continuity
- Ex-post evaluation
- Networking with other institutions



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.

