

Asia-Pacific Network for Global Change Research

Scientific Capacity Building and Enhancement for
Sustainable Development in Developing Countries

CAPaBLE

- a WSSD type II partnership -

Asia-Pacific Network for Global Change Research

Presentation Overview

- APN activities related to Climate Change & Variability
- Capacity Building and what it means for APN
- APN and WSSD
- CAPaBLE



APN Activities in Climate Change & Variability

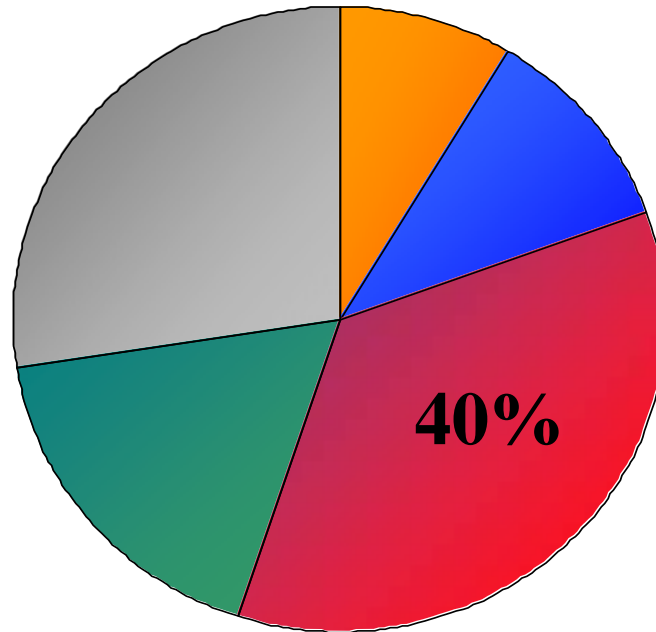
Linda Stevenson
13th Asia-Pacific Climate Change Seminar
02-05 Sept., 2003, Miyazaki, Japan

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Climate Change & Variability

■ APN activities related to Climate Change & Variability

Theme Distribution of Funded Projects 1998/99-2002/03



- Changes in Atmospheric Conditions
- Changes in Coastal Zones & Inland Waters
- Climate Change & Variability
- Changes in Terr. Ecosystems & Biodiversity
- Human Dimensions

Climate Change & Variability

- Past and Current Projects in Climate Change in AP Region
 - ✚ Regional climate model inter-comparison studies – TEA
 - ✚ Policy design of climate change collaboration – NEA
 - ✚ Applying climate information to enhance the resilience of farming systems exposed to climatic risk – SA/SEA
 - ✚ Climate variability and trends – Oceania
 - ✚ Joint Conference on Coastal impacts of climate and adaptation – Pan AP
 - ✚ International workshop on reducing vulnerability of agriculture and forestry – Pan AP

■ APN has been at the forefront climate change activities spanning the Asia-Pacific region

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Capacity Building & What it Means to APN

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Defining Capacity Building

Agenda 21, Chapter 37, UNCED, 1992

Capacity Building encompasses a country's human, scientific, technological, organizational, institutional, and resource capabilities.

A fundamental goal of capacity building is to enhance the ability to evaluate and address the crucial questions related to policy choices and modes of implementation among development options, based on an understanding of environment potentials and limits and of the needs perceived by the people of the country concerned.

Scientific Capacity & the Future Direction of APN

Climate change research is *fundamental* to the sustainability of the global life support system and the need for expansion of research-linked capacity

Capacity Building



Capacity Enhancement

A high priority *APN Goal* is to **improve the scientific and technical capabilities** of nations of the region as related to **climate change & water- and food-security**

APN believes that.....

- **Capacity Building** is essential
- **Previous work has indicated a successful APN Networking and Capacity Building programme**
- **Systematic approach to capacity building and sustainable development now needs to be developed**

APN and WSSD

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APN and WSSD

- APN attended WSSD and showcased N&CB Programme as well as presenting on “How to build scientific capacity of developing countries in Asia-Pacific.”
- WSSD allowed APN to further strengthen its research framework in the context of sustainable development and to broaden its profile among the GC community.
- APEIS – APN indicated as a partner in this WSSD type II initiative.
- APN/MOEJ type II partnership - registered under “science” and “capacity building” means of implementation.
- Follow-up to WSSD – APN-UNU/IAS Round Table Session

WSSD Type II Partnership

Proposal initially put forward by the Ministry of the Environment,
Japan at the Earth Summit in Johannesburg

Scientific Capacity Building/Enhancement for Sustainable Development in Developing Countries

- Registered as a WSSD Type II Partnership/Initiative.
- Initiative to realize parts 107-114 of the Johannesburg Plan of Implementation, particularly PART 111.
- MOEJ is major stakeholder in APN activities – natural for the initiative to be implemented under the APN framework.
- Submitted to the APN 8th SPG/IGM meetings as a joint proposal between Japan MOE and Hyogo government.
- Australia and New Zealand are supporting with financial contributions.

The Official Launch – April 16th 2003

CAPaBLE

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CAPaBLE

CAPaBLE is a programme that is expected to realize parts 107-114 of the Johannesburg Plan of Implementation (JPOI), particularly **PART 111**

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 knowledge, experiences and best practices and **building scientific capacities particularly in developing countries.***

Timeline for CAPaBLE

- CAPaBLE is a **5-year** Programme in two phases
- **Phase I:** September 2003 – March 2006
Focus: Climate Change
- **Phase II:** April 2006 – March 2008
Focus: Water & Food Security

CAPaBLE

Main Activities under Phase I

- **Capacity Enhancement:** research projects planned and implemented by leading developing country scientists targeting specific topics related to climate change.
- **Capacity Building:** activities for aspiring scientists.
- **Dissemination:** activities for policy-makers, decision-makers & for civil-society.
- **End-Product:** an APN publication as an end-product (synthesis book that will synthesise the activities and outcomes that resulted from this Programme).

CAPaBLE

Comprehensive Research Projects for Scientific
Capacity Enhancement

Call for Proposals

DEADLINE

PASSED 7th June

and highly populated coastal areas with low-altitude

Theme 2: WIII IPCC TAR

Integrated model development and analysis of the potential
of mitigation options and sustainable development
opportunities

US\$240,000

CAPaBLE

Capacity Building & Dissemination Activities

- Regional capacity building workshops and seminars
- Partnership activities with other regional global change research programmes and networks
- Country capacity building activities that would include capacity building/training workshops in local language
- Dissemination activities to policy-makers, decision-makers and to civil society

APN member countries and other organizations in collaboration with the Secretariat may propose activities

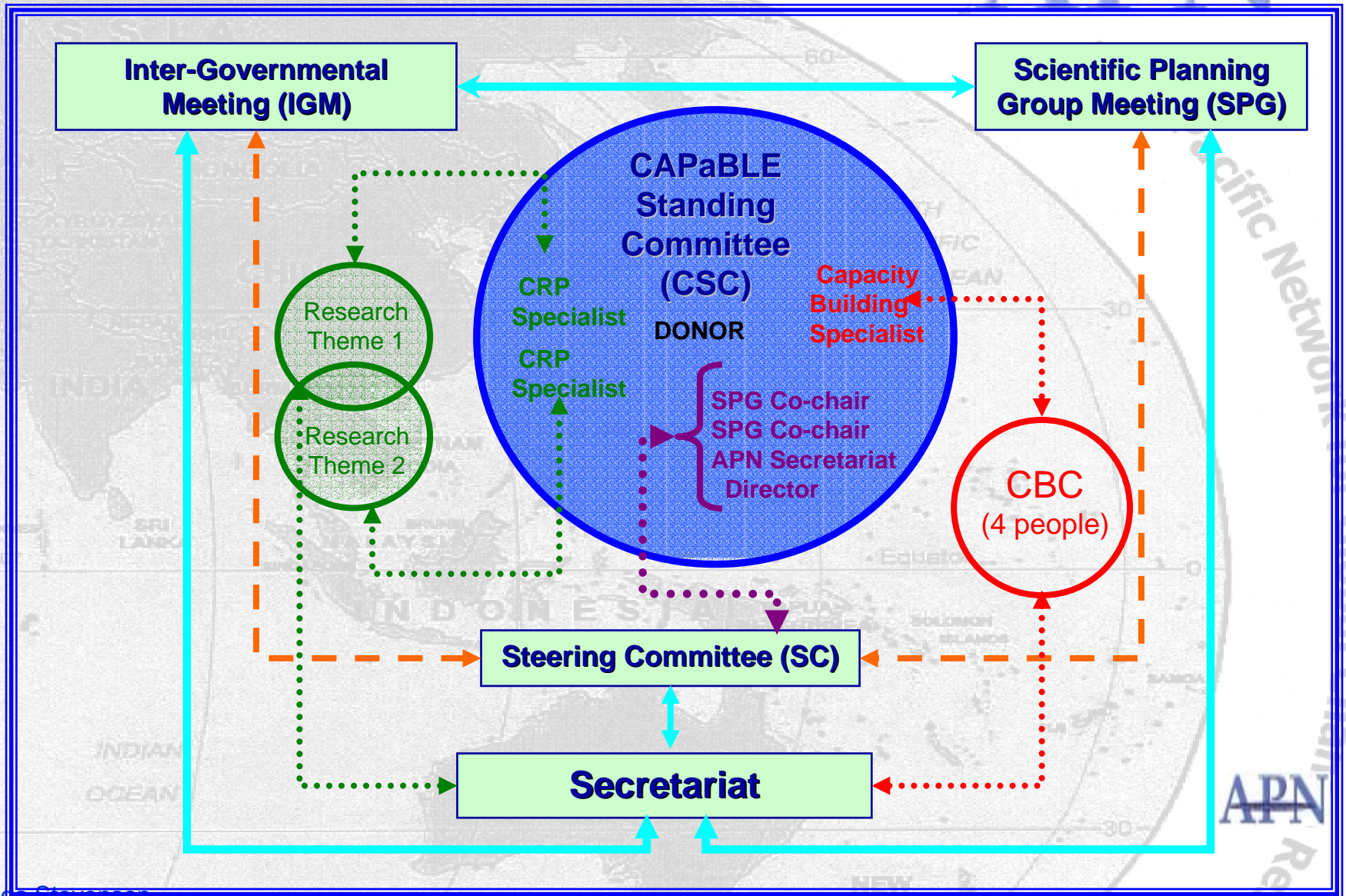
CAPaBLE

Programme Development Workshop

Held in Kobe 12-13th
May to develop a
plan of
implementation for
CAPaBLE



Implementation of CAPaBLE



CAPaBLE

What are the Expected Outcomes?

CAPaBLE

- α Capacity enhancement of leading researchers in developing countries to produce comprehensive scientific results on climate change impacts, vulnerabilities, adaptation and mitigation strategies
- β Capacity building of aspiring scientists through sharing of knowledge, experience, scientific information and data collection on climate change impacts, vulnerabilities, adaptation and mitigation.
- γ Improvement of informed decision-making in developing countries by dissemination of the outcomes of research activities to policy-makers, decision-makers and civil society

Scientific Capacity Building / Enhancement for Sustainable Development in Developing Countries

Capacity Building

Targeting specific countries in the Asia-Pacific; specific topics under climate change and variability; partnership activities with other networks, programmes, APN member and approved countries, and other interested stakeholders; and policy-makers and civil society dissemination.

Partnership Activities with Networks, Global Change Programmes and other Organizations for Scientific Capacity Building

This activity aims to provide researchers (young scientists in particular) with opportunities for scientific capacity building in the area of climate change.

Opportunities to develop joint initiatives will be explored by APN in collaboration with regional research networks (such as IAI, ENRICH, MEDIAS, START) and the global change science programmes (DIVERSITAS, IGBP, IHDP, WCRP).

Introduction

CAPaBLE is a concrete initiative to realize parts 107 to 114 of the Plan of Implementation for the WSSD and has been registered as a WSSD Type II Partnership/Initiative. Of particular relevance in the WSSD Plan of Implementation to the proposed Programme is part 111:

111. 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 knowledge, experiences and best practices, and building scientific capacities, particularly in developing countries.

The five-year CAPaBLE programme is expected to develop and enhance scientific capacity in developing countries to improve their decision-making in the target areas related to climate change and water and food security that are directly linked to their sustainable development. Phase I of CAPaBLE, which will run from September 2003 to March 2006, will focus on climate change. This is expected to be achieved through a two-track approach:

ASPIRING SCIENTISTS

LEADING SCIENTISTS

Capacity Enhancement

Comprehensive Research Activities planned and implemented by leading developing country scientists targeting specific topics.

A call for proposals was launched in April 2003 for 30-month Comprehensive Research Projects

The focus will be on two research themes from the suggested research priorities in the IPCC Third Assessment Report, taking into account the needs of policy-makers and relevance to Asia-Pacific developing countries. The results of the projects will contribute effectively to future climate change integrated assessments.

The two research themes are:

Integrated study of climate change impacts, vulnerabilities and adaptation opportunities in vulnerable countries/areas such as the small island developing states, mountainous states and regions, and highly populated coastal areas with low-altitude.

Integrated model development and analysis of the potential of mitigation options and sustainable development opportunities.

Expected Results

Capacity building of young and aspiring scientists through enhanced sharing of knowledge, experience and scientific information on quality data collection and analysis, impacts, vulnerability, adaptation and mitigation to climate change within the Asia-Pacific region and between regions in the world.

Improvement of informed decision-making in developing countries by disseminating the outcomes of the research activities to policy makers, and by enhancing collaboration between scientists and policy makers.

Capacity enhancement of leading researchers in developing countries to produce comprehensive scientific information on climate change impacts, vulnerabilities, adaptation and mitigation opportunities which are made available for policy makers in developing countries and contribute to international scientific exercises such as the Fourth Assessment Report of the IPCC due in 2007.

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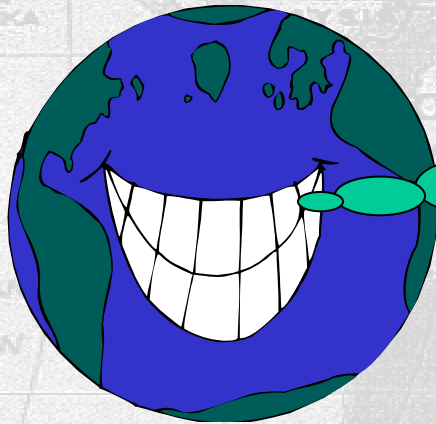
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**THANK-
YOU!!**