

# APN Scoping Workshops on Global Earth Observations and the Capacity Building Needs of the Region: Focus Climate

Key Financial Sponsors: MOEJ (JAPAN); NSF/USCCSP (USA)

## Key Objectives:

- Identify capacity building needs for research in global earth observations and climate change and its impacts
- Identify the role of the APN in such research
- Underpin systematic observations and create road maps for designing ideas appropriate for capacity building activities



Senior Vice-Minister Shuichi Kato of the MOEJ (EOS II, 2004): *"Japan will continue to work to strengthen its support of capacity building in the area of earth observations through the framework of APN."*



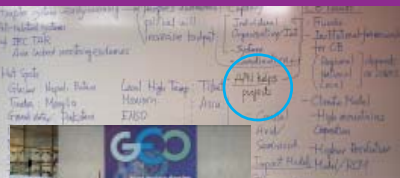
## Key Constraints:

- Lack of observational data (meteorological, oceanographic, socio-economic, etc.)
- Inaccessibility to existing data
- Scarcity of experienced scientists and lack of adequate scientific infrastructure
- Lack of familiarity with relevant methods and models

## Overarching Capacity Needs:

- Continuous training and capacity development to advance efforts towards comprehensive and sustained understanding of the Earth's processes
- Research on climate modelling and socio-economic impacts and adaptation
- Collection, rescue and analysis of historical data
- Linking earth observations and climate modelling

The discussion... (a) Exchange of information on observational data... experience and views on climate change and adaptation... the countries in Asia and the Pacific...



**APN's Capacity Building endeavour, in line with GEOSS principle "...to be driven by user needs"**

**OUTCOMES of the APN Scoping Workshops on Global Observations and Capacity Building Needs of the Region: Focus - Climate**

**Most Vulnerable Sectors**

- food and fibre
- biodiversity
- water resources
- coastal ecosystems
- human health and settlements
- land degradation

**Continuous Training and Capacity Development** are needed to advance efforts towards a comprehensive and sustained understanding of Earth processes

**Priority Actions**

- intensify communication and information sharing
- research on climate modelling and socio-economic impacts and adaptation
- promote public awareness
- collect, rescue and analyse historical data
- detect ongoing phenomena related to climate change and variability
- link earth observation and climate modelling

Asia-Pacific Network for Global Change Research (APN)

Global Community

Asia and the Pacific Region

For more information, please visit: [www.apn-gcr.org](http://www.apn-gcr.org)



**Vulnerable Sectors:**  
 food and fibre;  
 biodiversity; water resources; coastal ecosystems; human health and settlements; land degradation

## Key Outputs and Impacts:

- Scoping workshop outputs published as early achievement in the GEO Publication *First One Hundred Steps to GEOSS*
- APN funding for a number of activities under the *GEOSS Asian Water Cycle Initiative (AWCI)*
- Alignment of GEO and APN goals for the region and strengthened collaboration

SBSTA 24 (2006), Dr. Andrew Matthews, APN SPG Member and nFP for New Zealand noted *"Accessing EO data requires promoting political commitment to data sharing and removing practical barriers by enhancing electronic interconnectivity and accessibility to metadata."*

