

Objective of the Workshop

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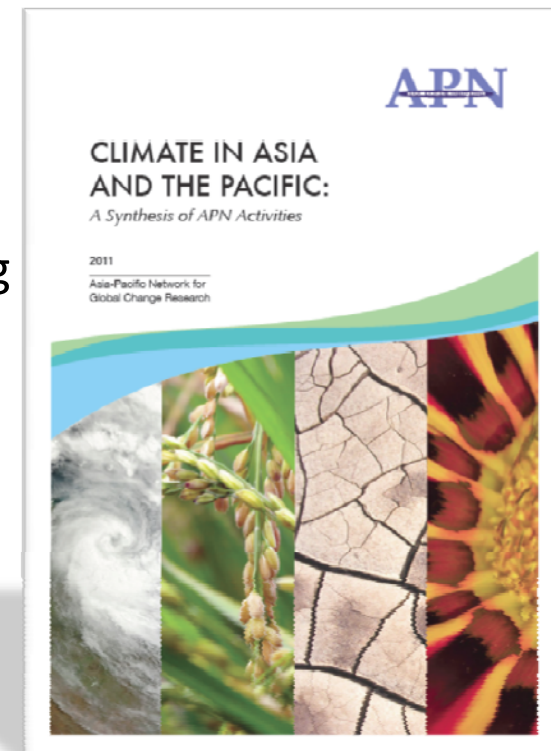
APN/ICAS Scoping Workshop to enhance the climate adaptation actions of APN Developing countries, 20-22 August 2012, Kobe, Japan

Essence of Cancun Agreements

- ❑ Cancun Adaptation Framework
 - **Planning**, prioritizing and implementing; Assessment
 - **Institutional capacities**
 - Building resilience
 - **Disaster risk reduction strategies**
 - **Research, technologies, data, information, observation..**
- ❑ Adaptation Committee
- ❑ **National adaptation plans (NAPs)**
- ❑ Synergies and engagement with **national, regional** and international organizations, **centres and networks**
- ❑ Loss and damage (insurance)

2011 Climate Synthesis Report in AP Recommendations (adaptation)

- **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**....
- Develop **localized climate change impact assessment tools**, especially IAMs...
- Encourage APN member countries to increase the **capacity to formulate national strategies on adaptation**....
- **Community-based climate adaptation**, as well as reducing and building resilience, requires *much more attention*....
- Develop programmes to enhance the **capacity of major players** in adaptation planning and implementation; local universities and academic institutions, communities and local governments....



APN's Climate Adaptation Programme from April 2012 to March 2015

- **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 (UN Climate and ecosystem Adaptation Research)
 - Invite researchers and practitioners in prioritized thematic areas
- **Component 3:** Proposal Development Training Workshop (PDTW) with focus on adaptation
- **Results of 1st year activities will be input for a new adaptation programme (proposed to IGM18 (March 2013) for approval)**

Communication for developing adaptation programme (since IGM17, March 2012)

- **Planet Under Pressure 2012**: March 26-29, 2012, London, UK
- **5th GEOSS International Asia-Pacific Symposium**: April, 2-4, 2012, Tokyo Japan
- **Adaptation Policy & Technology Forum for Impacts of Global Change**: May 11, 2012, Mito, Japan (Meeting with ICAS, Ibaraki University)
- **UNFCCC/SBSTA36**, International Research Dialogue with Parties: May 19, 2012, Bonn, Germany
- **Adaptation Futures Conference 2012**: Networking Beyond Rio+20: Climate Adaptation Partnerships for Sustainable Development”: May 29-31, 2012, Tucson, USA
- **Meeting with Asian Development Bank**: July 16, 2012, Manila, Philippines
- **APN-START Science-Policy Dialogue** on Challenges of Global Environmental Challenge in Southeast Asia: July 19-21, 2012, Bangkok, Thailand

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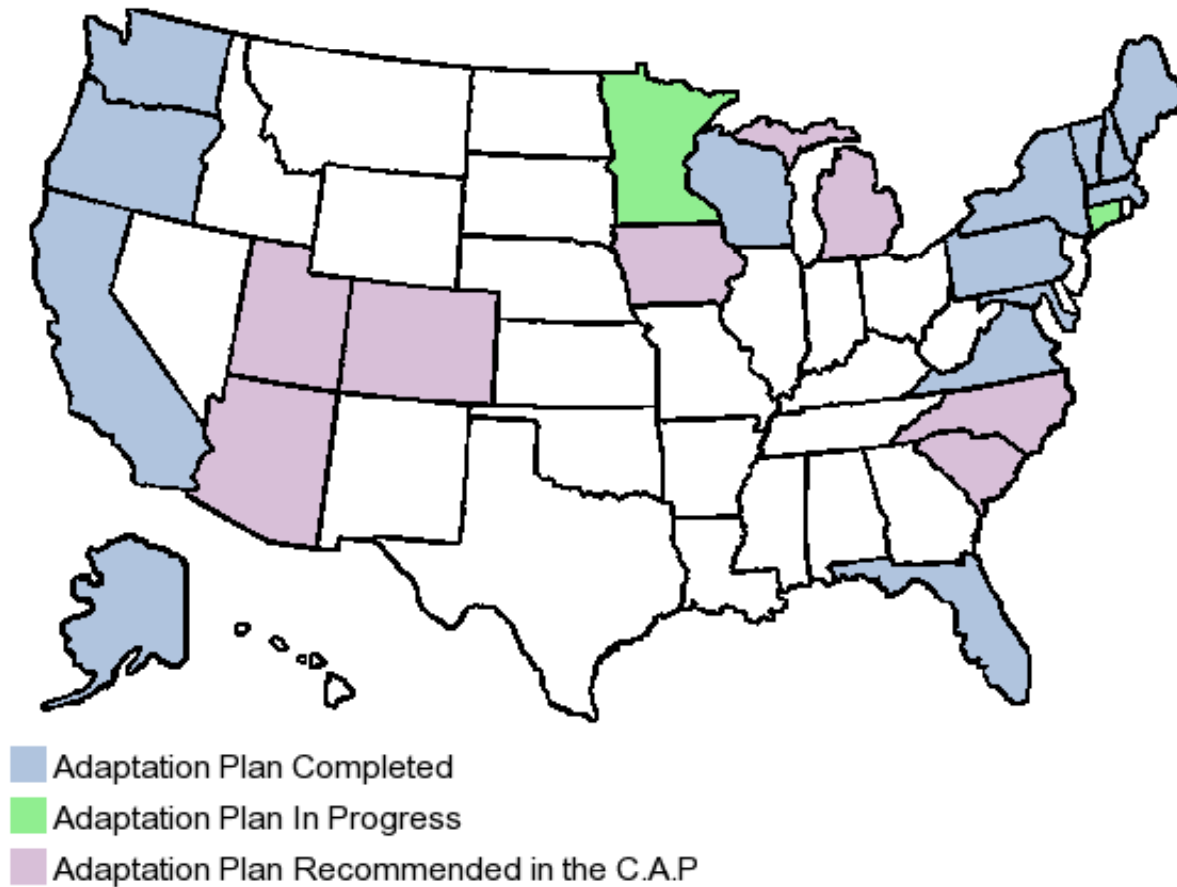
- The objective of the workshop is to develop a strategy that can be incorporated into the APN Strategic Plan for enhancing climate adaptation in the Asia-Pacific region from the viewpoint of mainstreaming scientific knowledge into the formulation and implementation of climate adaptation plans.
- The workshop aims to identify needs, gaps, and lessons on planning and implementation of adaptation, and to develop a strategy for APN to enhance adaptation activities in the region by collaborating with international and regional organizations and networks.

Questions: points for discussion

- 1) What needs, gaps and lessons are identified for planning and implementing adaptation?
- 2) How can we mainstream scientific approaches into climate adaptation policy in Asia-Pacific region?
- 3) What thematic areas, approaches and tools should APN focus on?
- 4) How can APN collaborate with other organizations and networks in order to maximize their own functions for implementing climate adaptation activities

Question 1

Status-quo on adaptation plans in USA



Adaptation planning process (suggested by expert group of MOEJ)

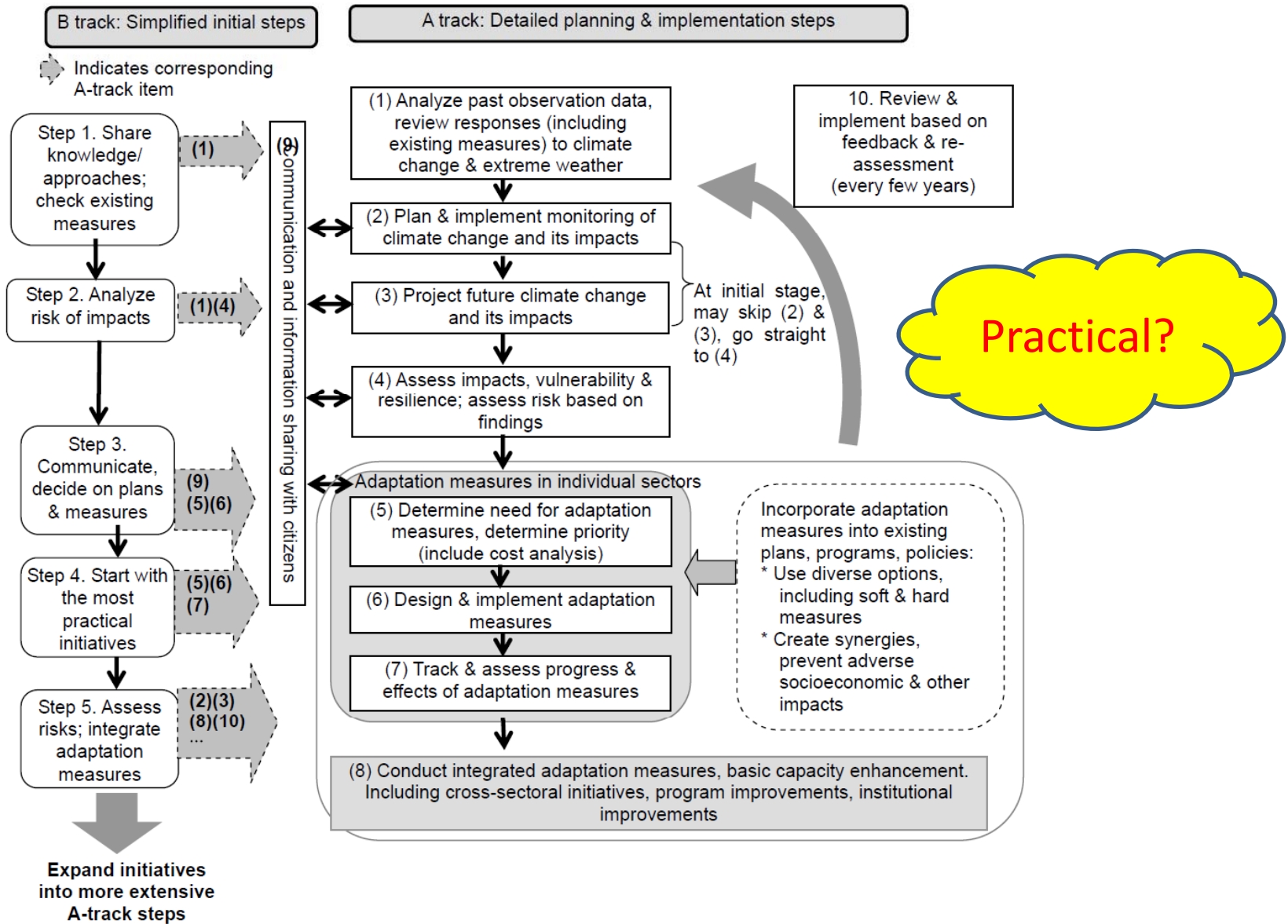
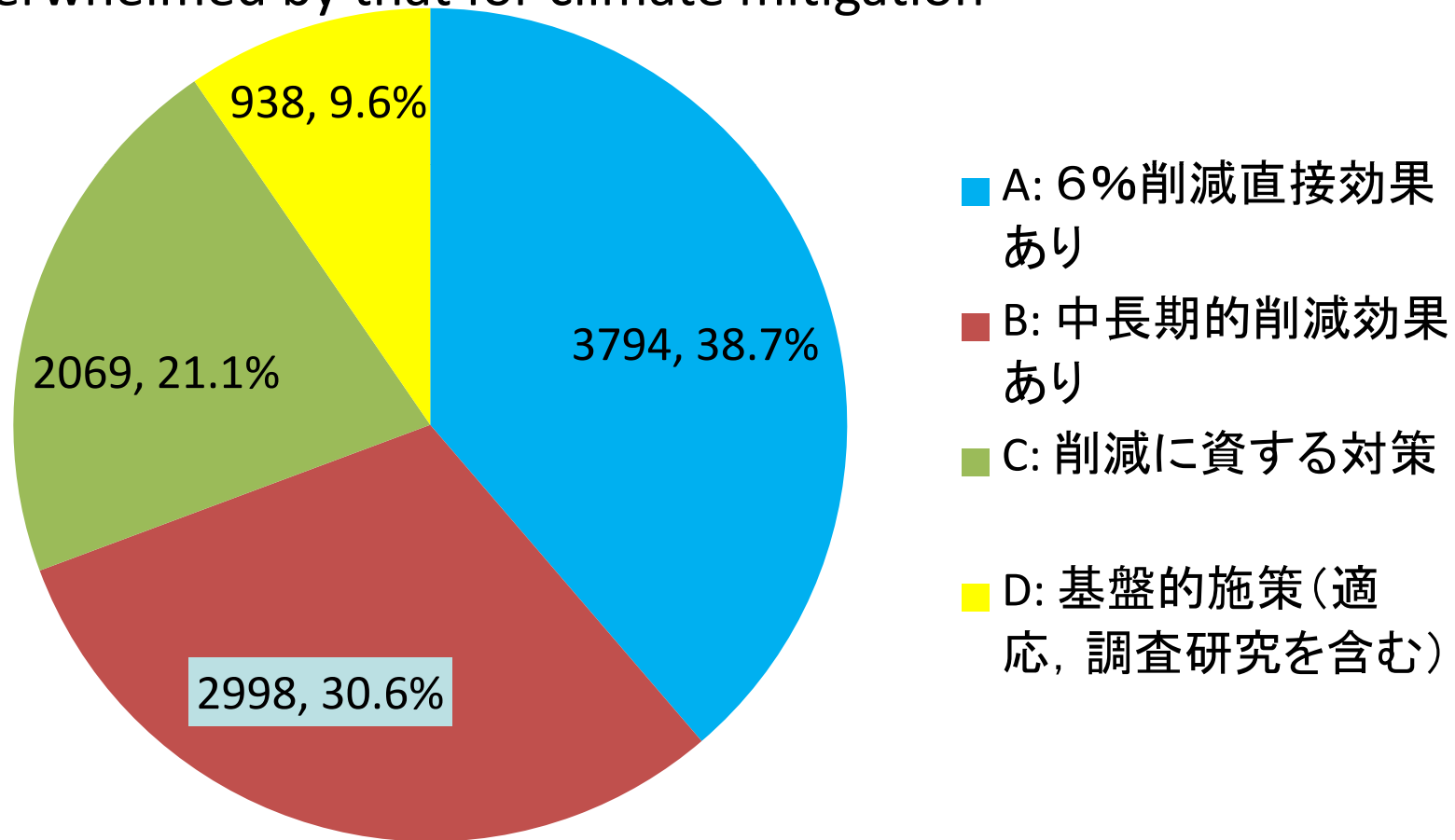


Figure 2. Overview of steps for planning and implementation of adaptation measures (relationship between A-track and B-track)

日本政府の地球温暖化対策予算(平成24年度:億円)

- ① exact amount of budget for climate adaptation is unknown
- ② amount of budget for climate adaptation (acknowledged) is overwhelmed by that for climate mitigation



出典:平成24年度京都議定書目標達成計画関係予算案について(お知らせ)(2012年2月10日)

Large amount of money is spent for climate adaptation research in Japan

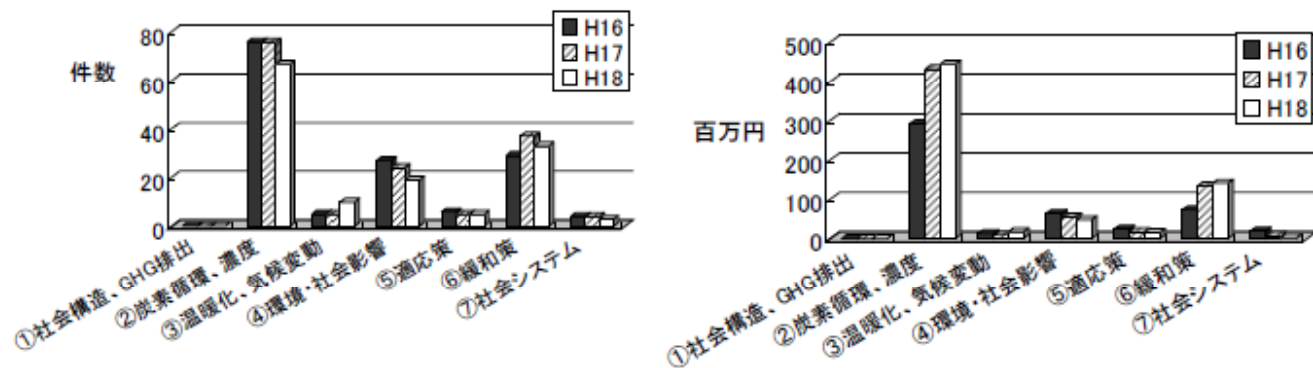


図 1.4 科研費における温暖化関連研究（平成 16～18 年度）の件数（左）と予算額（右）

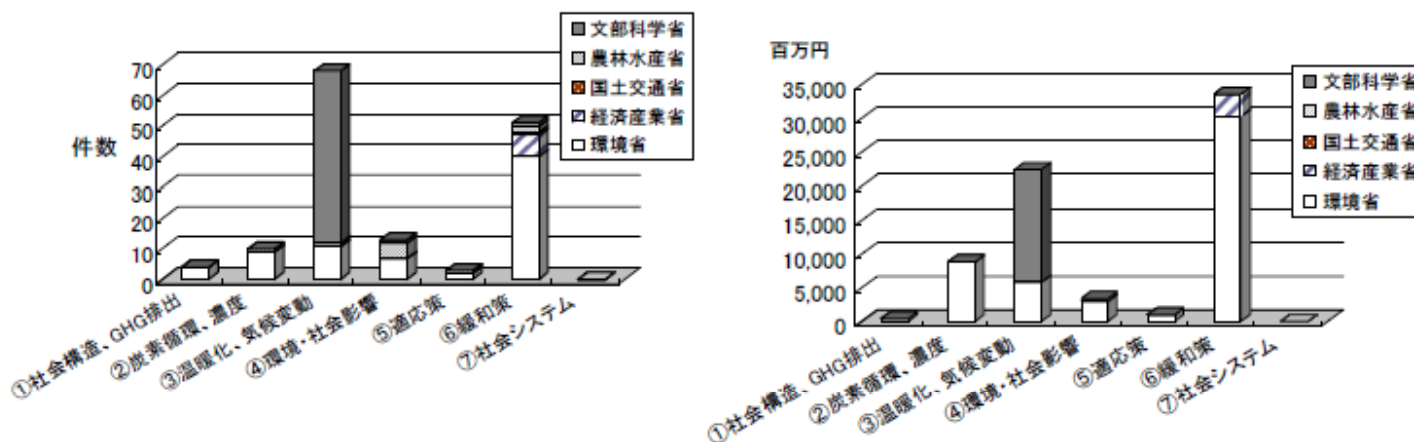


図 1.5 省庁における温暖化関連研究（平成 18 年度）の件数（左）と予算額（右）

Observation

- Climate Adaptation is mainstreamed into science and technology policy, but not into environment policy (even in developed countries).
- In some developed countries, local governments (prefecture/municipality) established adaptation frameworks and plans, but it is not clear whether science-based climate risk assessment is implemented for public projects.

Question (2)

Strategic thinking for mainstreaming scientific approach

- How can we support member countries to formulate adaptation plans based on scientific assessment
- How can we support member countries to undertake climate risk assessment as a screening tool for policy planning
 - ✓ Infrastructure projects (i.e., traffic roads, irrigation, power plants, bank protection)
 - ✓ City planning (i.e., facilities' layout, emergency measures, disaster risk management)
 - ✓ Agriculture /food security (i.e., water resource management, Selection of varieties)

Question (2)

Strategic thinking for mainstreaming scientific approach

- What are the roles of APN?
 - ✓ Can we enhance adaptation activities under existing programmes (ARCP, CaPABLE) ?
 - ✓ Do we need to establish new research and capacity building programmes focusing on adaptation ?
 - ✓ How much is feasibility of the new program proposal ?
- What are the roles of other organization and networks in collaborating with APN?

Questions (3)

Focused areas, innovative tools and methodologies

- Do we need to set up focused thematic areas to be supported by APN?
- What are innovative tools and methodologies to support developing countries in promoting science-based adaptation activities?

(examples)

- ✓ Developing a training modules for capacity building activities
- ✓ Developing evaluation methods for effectiveness of climate-proof projects (thorough competitive process)
- ✓ MOU for multi-year collaboration with international organizations and networks

Question (3)

Necessary tools for two approaches

- Top-down approach (in particular)
[necessary tools]
 - ✓ Database (temperature, rainfall, water resources, land use, etc.)
 - ✓ Climate modeling, Downscaling, GIS
 - ✓ Good practices
 - ✓ Impact and Vulnerability Assessment methodology
- Bottom-up approach (in particular)
 - ✓ Database accessible for local government and community
 - ✓ Good practices
 - ✓ System for stakeholder involvement
 - ✓ IVA Guidance for infrastructure projects planned by local government

Question (4)

Possible collaboration

- World Climate Research Programme (WCRP)
 - ✓ CORDEX Asia (Coordinated Regional climate Downscaling Experiment Asia)
- Global change research community
 - ✓ Contribution to the “Future Earth” process

[Innovative approach]

- United Nations University
 - ✓ Training course for early career scientists and practitioners (1st APN-UNCECAR joint training course: November 11-23, 2012, Bangkok, Thailand)
- Asian Development Bank
 - ✓ Data sharing, joint analytical works and joint capacity building projects on climate risk assessment tools
 - ✓ A regional climate scenarios and library

Question (4)

Possible collaboration

[Innovative approach]

- Japan International Cooperation Agency
 - ✓ Good practices for mainstreaming adaptation into development projects
- Asia-Pacific Adaptation Network (APAN)
 - ✓ Utilizing databases for developing assessment tools and for capacity building activities
 - Database of good practices on adaptation
 - Database of adaptation technologies
 - ✓ Adaptation Forum
- Ministry of Interior, Thailand
 - ✓ Development of climate risk assessment tools for community-based adaptation
- Institute of Global Change Adaptation Science (ICAS)
 - ✓ Contribution from Japanese Research Community

Agenda: Day1 (Monday 20 August)

[Session 1: Opening Session]

- Opening remarks
- APN presentation Objective, Recent APN climate adaptation activities
- Discussion

[Session 2: Presentations by collaborating institutions]

- ✓ UNU, ADB, JICA, APAN, WCRP, ICAS, Thai MOI
- ✓ Discussion for action plan for Day2 & Day3

Agenda: Day2 (Tuesday 21) & Day3 (Wednesday 22)

Day2[Session 3: Strategies Session]

- Mainstreaming climate risk assessments into adaptation planning for Top-down approach
- Mainstreaming climate risk assessments into adaptation planning for bottom-up approach
- Discussion for action plan for Day3

Day4[Session 4: Framework Session]

- Drafting a framework for enhancing science-based adaptation activities with support from APN and collaborating organizations and networks
- Wrap-up