



Asia-Pacific Network for Global Change Research

by

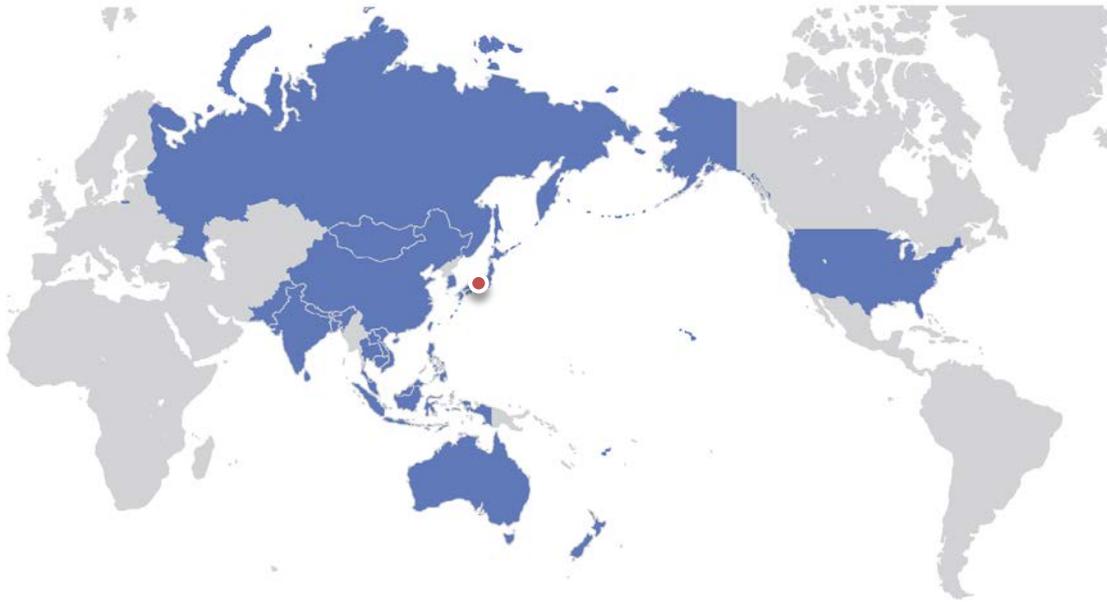
Taniya Koswatta



Overview

WHAT IS APN?

- An inter-governmental network of 22 countries in the Asia-Pacific to foster global change research in the region



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

- Established **1996**
- Secretariat in **Kobe**, Japan since 1999
- Financial contribution from four donor countries: **Japan, USA, Republic of Korea, New Zealand**
- Financial Resources: **US\$ 3.4 Million** (2013/14)



APN Goals

- Supporting **regional cooperation** in global change research on issues particularly relevant to the region
- Strengthening appropriate **interactions among scientists and policymakers**, 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**



Major Activities (2013/14)

- Funding regional research projects (ARCP)
- Funding capacity building projects (CAPaBLE)
- Focused activities:
 - Low Carbon Initiatives framework
 - Climate Adaptation framework
 - Biodiversity and Ecosystem Services framework
- Strengthening science-policy linkages



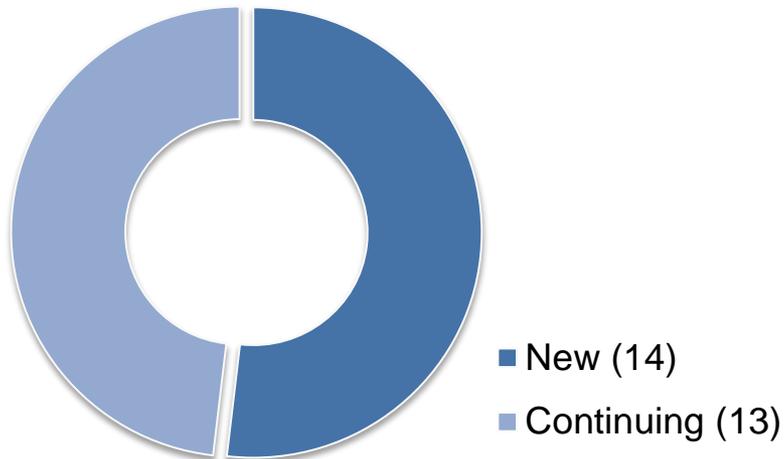
Core Activities

ARCP AND CAPaBLE



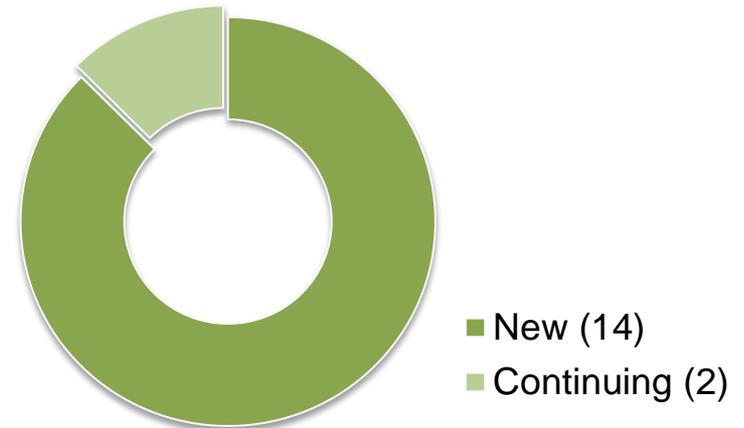
Annual Regional Call for
Research Proposals

2013 ARCP Projects



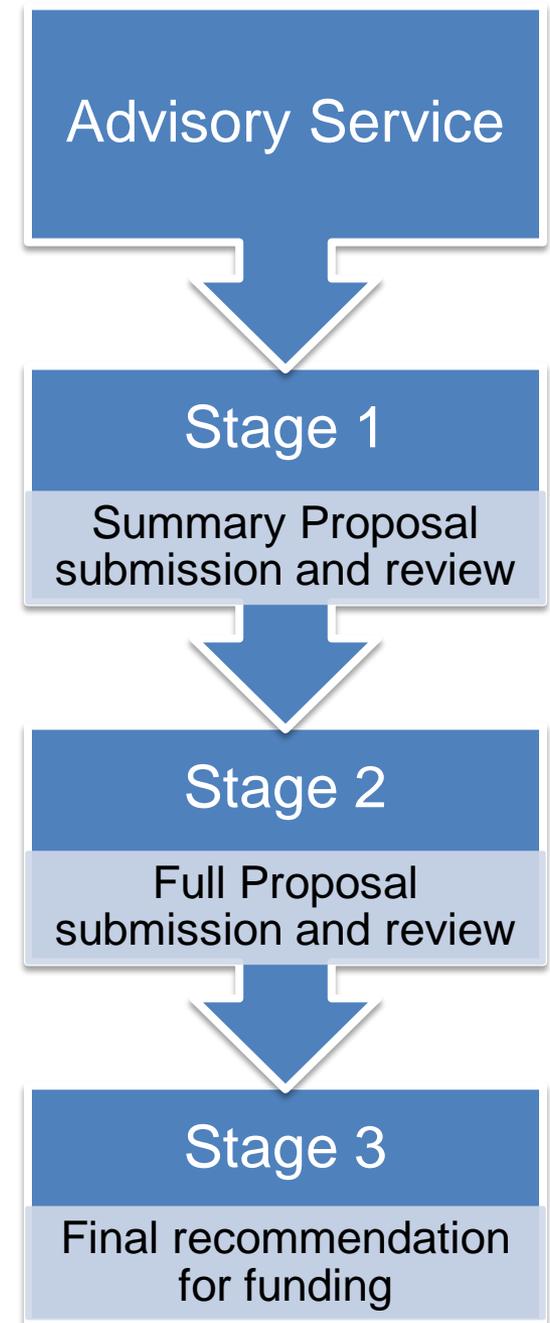
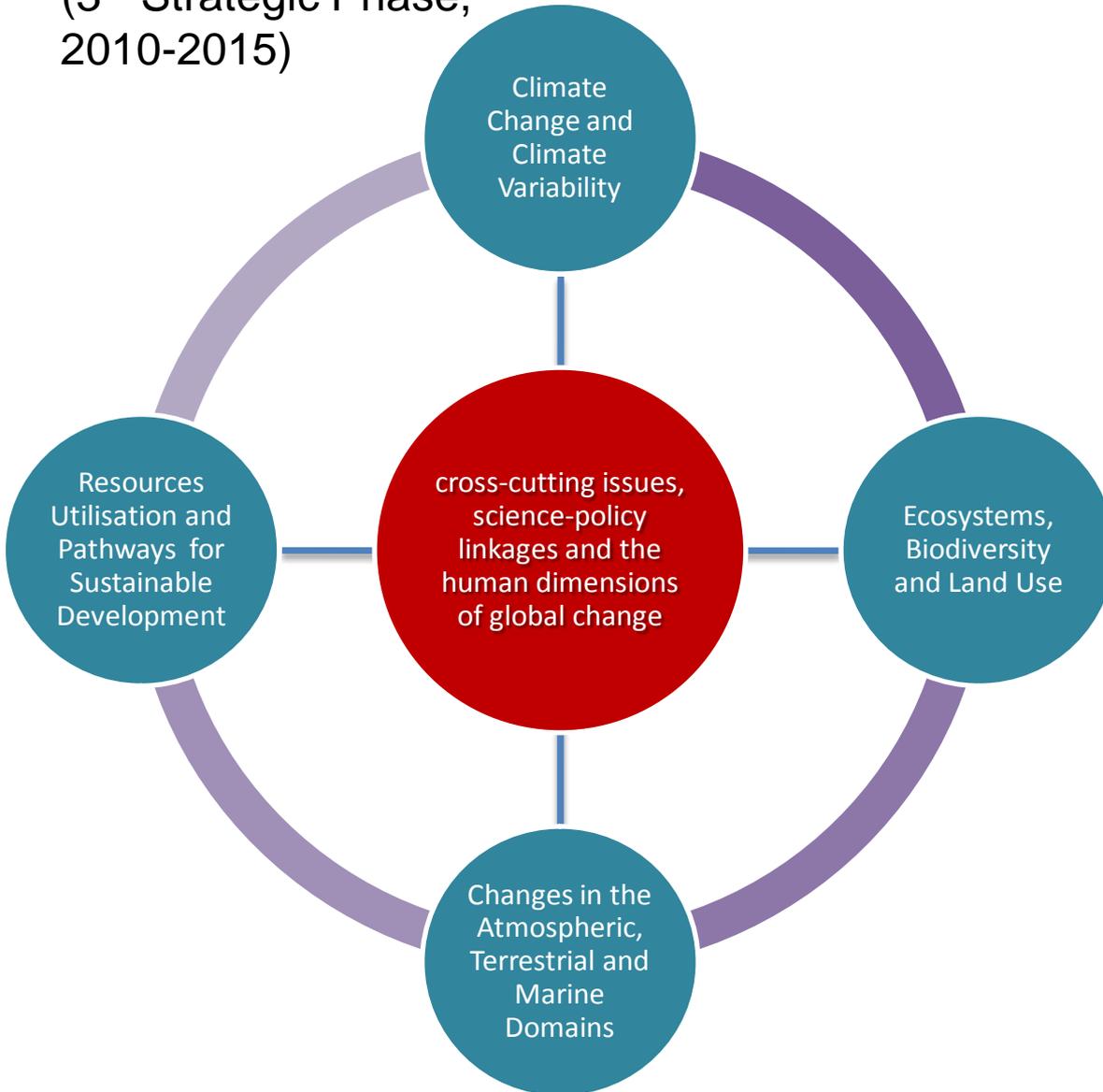
Scientific Capacity
Building/Enhancement for
Sustainable Development in
Developing Countries

2013 CAPaBLE Projects



Science Agenda

(3rd Strategic Phase, 2010-2015)

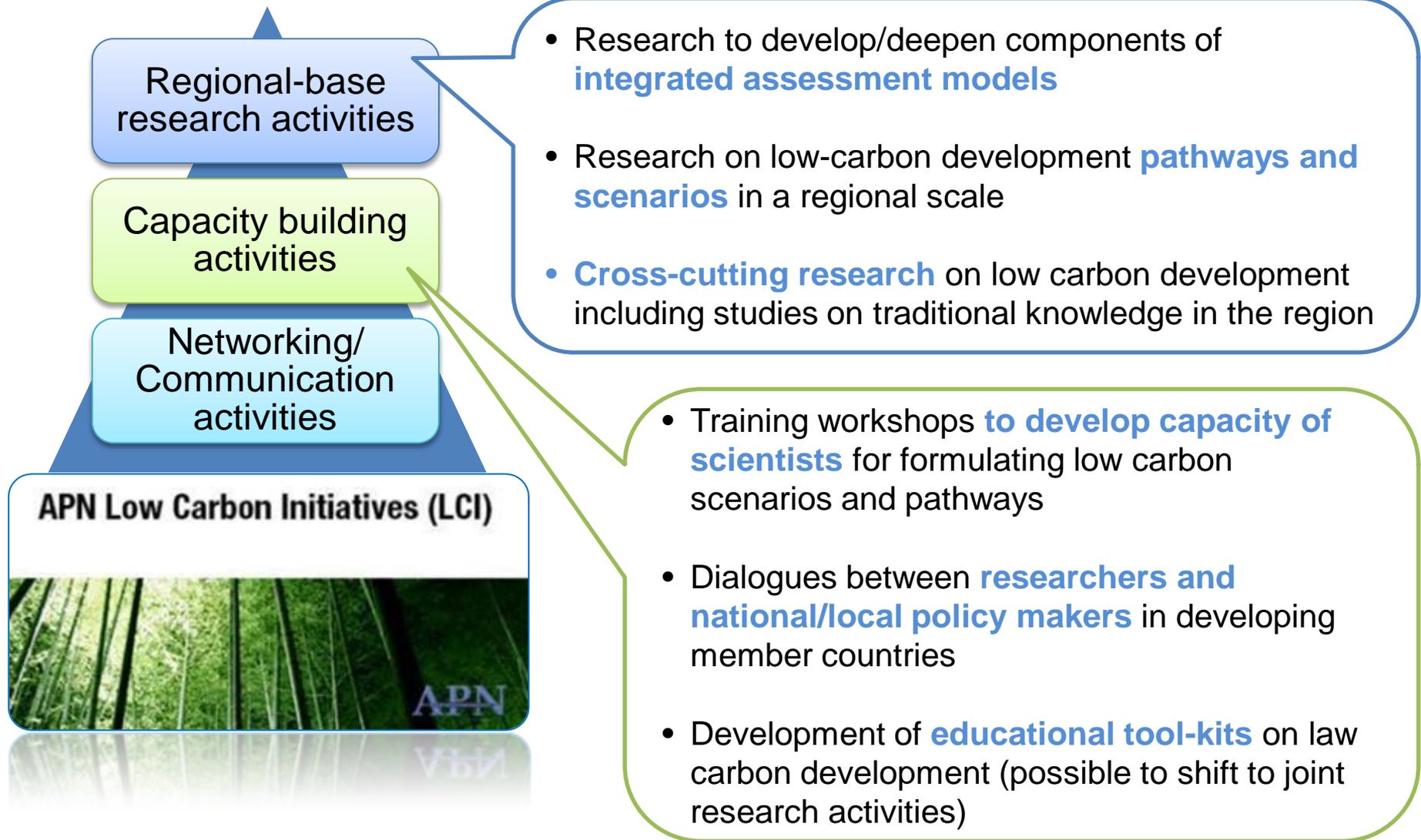




Focused Activity

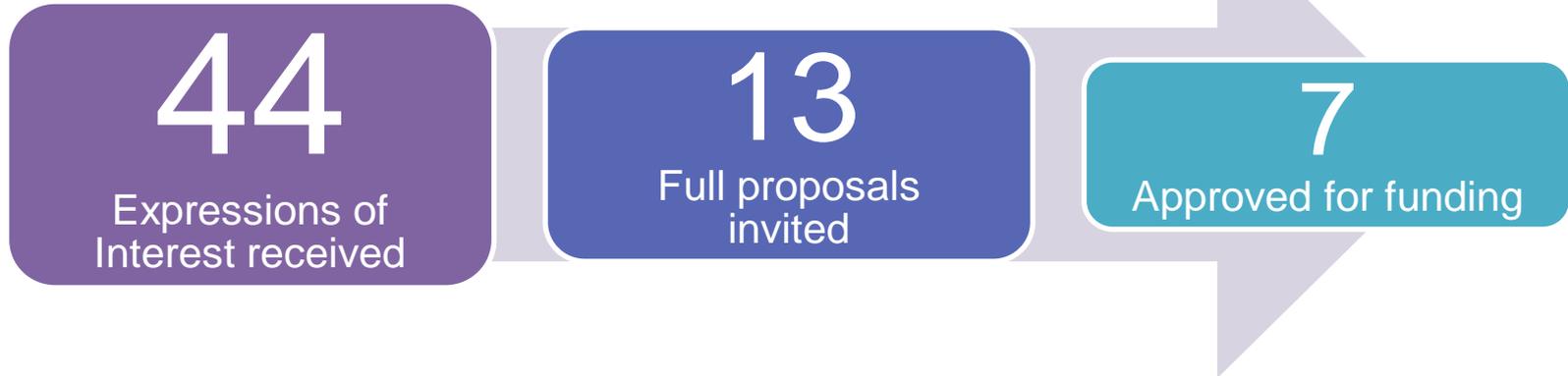
LOW CARBON INITIATIVES

Low Carbon Initiatives Framework



Low Carbon Initiatives Framework

- **Call for Expressions of Interest for a Focussed Activity on Low Carbon Initiatives (LCI)** launched on 9 July 2012.



- Under the LCI Framework as a networking and communications activity, APN is also collaborating with the **Low Carbon Asia Research Network (LoCARNet)** in promoting research networks in the region.





Focused Activity

CLIMATE ADAPTATION, DISASTER RISK REDUCTION, AND LOSS & DAMAGE

Climate Adaptation Framework

- Developed at a scoping workshop in Kobe, Japan, 2012
- Activities of high priority
 - Development of high-resolution observational, model and downscaled datasets that can contribute to filling data gaps
 - Sharing of needs-oriented data
 - Calibration and validation of regional climate models; and analysis of projections and assessment of uncertainties
 - Development and utilisation of impact, vulnerability, risk and economic assessments
 - Improvement of communication skills of scientists and practitioners with stakeholders
 - Utilisation of available information including climate data in applications for adaptation
- Partnership Development
 - ADB, ICAS-Ibaraki University, Ministry of Interior of Thailand, UNU, WCRP, ICCCAD, APCSS, CCI-ANU



UNITED NATIONS
UNIVERSITY



Activities undertaken

- [Scoping workshop](#) to enhance the action of APN developing country members on adaptation in the Asia-Pacific region, 20-22 August 2012, Kobe Japan
- APN-UNCECAR [Training Course](#) on Climate Change Downscaling Approaches and Applications, 9-20 November 2012, Bangkok, Thailand
- UNEP [3rd Asia Pacific Climate Change Adaptation Forum](#), 18-20 March, Incheon, ROK
 - Presentation at Panels, Booth exhibition
- [Loss and Damage](#)
 - UNFCCC workshops ; August 2012, Bangkok
 - Launch of Forum on Loss and Damage in Asia, 22 March 2013



Photo: APAN

New Activities: Adaptation, Disaster Risk Reduction, Loss and Damage

- Earmarked financial support from Ministry of the Environment, Japan (MOEJ), aiming at Contribution to NFCCC/COP19
- Enhancing the understanding of:
 - The risk of **slow onset events**, and approaches to address them;
 - **Non-economic** losses and damages;
 - Impacts on **most vulnerable** and the approaches
 - Identify and develop **appropriate approaches** to address slow onset events and extreme weather events, including through risk reduction, risk sharing and risk transfer tools;
 - Approaches to address impacts to be **integrated** into climate-resilient development processes;
 - How impacts of climate change are affecting patterns of **mitigation, displacement and human mobility**;
- Supporting data collection, enhancing coordination, strengthening regional collaboration, capacity-building, strengthening institutional arrangements



Photo: ADB



Focused Activity

BIODIVERSITY AND ECOSYSTEMS SERVICES FRAMEWORK

B&ES Opportunity Paper

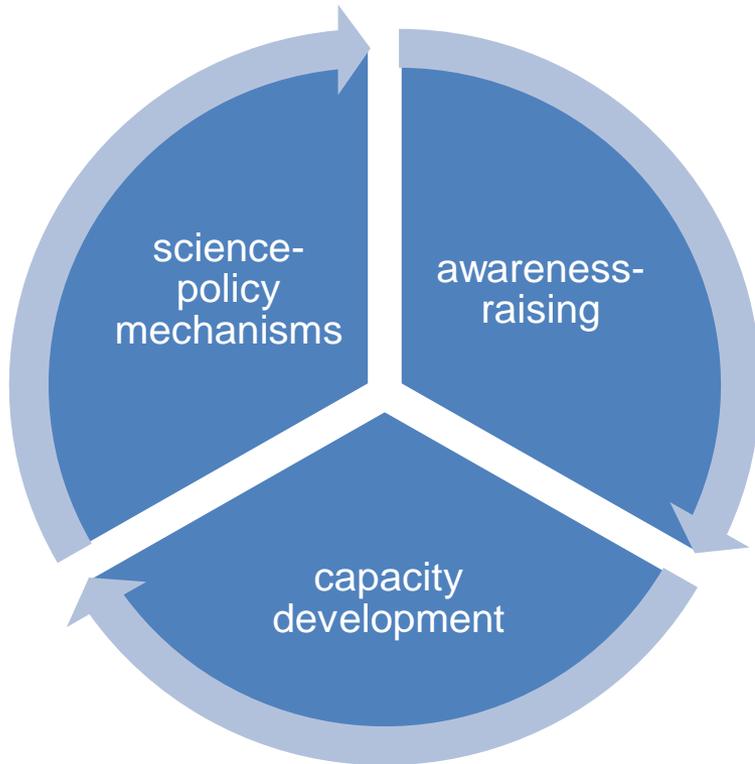


- **Inviting stakeholders to propose and engage** in collaborative activities with the APN in key thematic areas under its framework for biodiversity and ecosystem services

- Identification of **drivers and pressures** for biodiversity change that influence ecosystem services
- Assessment of the **impacts** of biodiversity loss and **vulnerability** to the shrinking of ecosystem services
- Prediction of changes in biodiversity and ecosystem services through **model-based scenarios**
- **Adaptation, response and mitigation** of the depletion of biodiversity and ecosystem Services



Emphasis on Science-Policy Interaction



Science-Policy is emphasised:
Links with IPBES, UNFCCC;
UNCBD; Rio+20 etc.





OPPORTUNITIES FOR YOUNG SCIENTISTS

Opportunities for Young Scientists

- Proposal Development Training Workshop (PDTW)
 - More than 45 young, early-career scientist from 17 countries received training in the PDTWs held for sub regional meetings.
- Young Scientists Poster Session
 - 4 sessions, 59, young, early-career scientist got opportunities to present their research work during the APN's IGM to International community
- APN-UNCECAR Training Course on Climate Change Downscaling Approaches and Applications
 - 10-day Training Course, 48 Participants (45 developing countries), Involved 14 specialists in the field
- Asia-Pacific Fellowship Programme on Global Environmental Change-approved at 18th IGM

Upcoming Opportunities

- **2013 Annual call for Proposal**
 - Launched on 14 June 2013
 - Summary proposal submission deadline 11 August 2013
 - Topics of interest for the Science Agenda under the 2013 Annual Calls for Proposals
 - Water security (inland and ocean): in the face of extreme events; including management, quantity, quality, etc.
- **Special Call for Proposal on adaptation, disaster risk reduction, loss and damage**
 - Will launch on September 2013
 - Activities of high priority
 - Development of high-resolution observational, model and downscaled datasets that can contribute to filling data gaps
 - Sharing of needs-oriented data
 - Calibration and validation of regional climate models; and analysis of projections and assessment of uncertainties
- 3 Proposal Development Workshops back to back with APN sub regional committee meetings.
- Workshop on Loss & Damage- August 2013

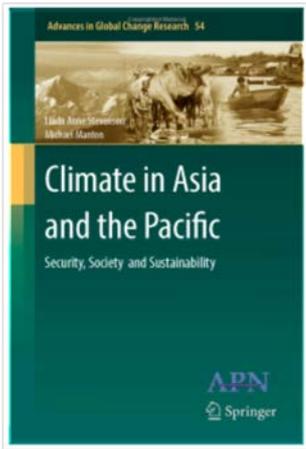


APN & AWCI PARTNERSHIP

APN contribution towards the GEOSS/AWCI Activities

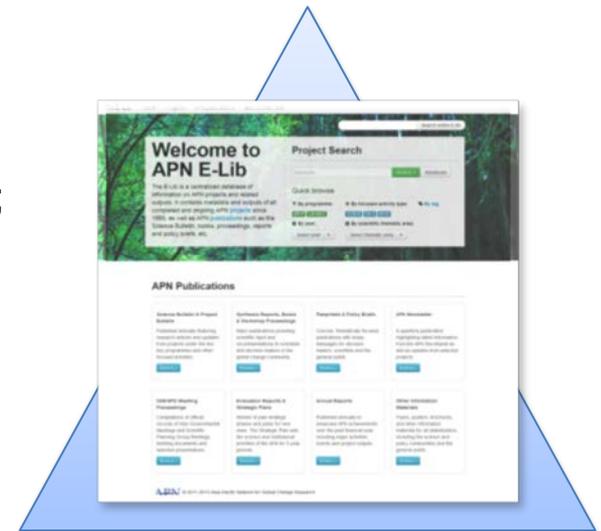
- Total Financial contribution **746,500 USD**
- 5 ARCP Projects
 1. ARCP2012-16NMY-Ochiai
 2. ARCP2011-02CMY-Koike
 3. ARCP2011-05CMY-Bae
 4. ARCP2009-01CMY-Fukami
 5. ARCP2007-02CMY-Koike
- 4 CAPaBLE Projects
 1. CBA2012-03NMY-Rasul
 2. CBA2011-02CMY-Kaihotu
 3. CBA2009-02CMY-Ishida
 4. CBA2009-01CMY-Ailikun

Recent/Upcoming Publications



Climate in Asia and the Pacific: Security, Society and Sustainability

- 31 authors from the global change community;
- To be published in mid 2013;
- Main chapters:
 - Climate change & climate variability;
 - Urbanisation;
 - **Security: food, water, energy;**
 - Society: governance, remote communities, human health;
 - Sustainability: energy, ecosystems services.



Synthesis and evaluation



Science Bulletin



Policy Briefs



APN E-Lib:

Archive of publications, completed/ongoing project metadata and outputs

www.apn-gcr.org/resources



Outreach

GET INVOLVED

For more information...



APN Website:

News, announcements and global change community updates

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



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Thank you!