

Inputs provided by: Asia-Pacific Network for Global change Research (APN)

1. General description of mandates and objective(s) of your organization / associated network with institutional structure

(Please provide information on organizational mandates and objective(s) of the organization / associated network with organizational/institutional structure, as explicitly and/or implicitly relevant to addressing loss and damage associated with climate change impacts, including extreme weather events and slow onset events. Please feel free to expand the boxes as needed throughout the template.)

The Asia-Pacific Network for Global Change Research (APN) is a network of 22 Member Country governments that promotes global change research in the region, increases developing country involvement in that research, and strengthens interactions between the science community and policy makers.

The APN defines “global change” as the set of natural and human-induced processes in the Earth’s physical, biological and social systems that, when aggregated, are significant at a global scale.

The APN works to enable developing countries in the Asia-Pacific region to participate increasingly in regional cooperative research, and to benefit fully from such research.

It strives to assure that the research results contribute to the development of science-based adaptation strategies, policy- and decision-making processes, and developing scientific capacity to address these important issues.

Recognizing the interactive role of regional processes in the overall Earth system, the APN also aims to link the initiatives it sponsors with related projects conducted in other regions and under the aegis of global-scale programmes.

In related to loss and damage associated to climate changes impacts, [APN third strategic phase\(2010-2015\)](#) has identified priority areas to address extreme weather events and slow onset event. As example under the climate change and climate variability theme APN has identified regional scenarios for climate changes including the climate extreme key area. In addition, to address the slow onset events, APN has identified climate change and biodiversity, and ocean Acidification as APN interesting research topics.

2. Relevant operational framework(s)

(Please provide information on the relevant operational framework(s) (e.g. programming principles, resource allocation strategies, coordination mechanism for operations at different levels etc.) within your organization/associated network as relevant to implementing work related to risk management for loss and management associated with climate change impacts)

APN operates two core programmes, the Annual Regional Call for Research Proposals (ARCP) and Scientific Capacity Building/Enhancement for Sustainable Development in Developing Countries (CAPaBLE) programmes. ARCP is operated to promote global change research in the Asia-Pacific region to contribute to the establishment of a sound scientific basis for policy-making, which is a competitive process launched in April 1998.

CAPaBLE is operated to enhance scientific capacity in developing countries to improve decision-making relating to issues that are directly linked to their sustainable development. The CAPaBLE programme is also a competitive process, launched in April 2003 as an initiative to realise parts 107 to 114 of the Johannesburg Plan of Implementation (JPOI) for the World Summit on Sustainable Development (WSSD) and is registered

as a WSSD Type II Partnership Initiative.

Annually, 2.5 million USD will be allocated to support ARCP and CAPaBLE programme and roughly 50 regional projects will be awarded through these programmes. With regard to focused activities on climate adaptation, APN created the **Climate Adaptation Framework (CAF)** in August 2012 in order to enhance science-based adaptation activities of APN developing countries, which describes activities in high priority under APN global change research programmes and partnership development including possible joint activities with other organizations and networks.

As a result of 18th inter-governmental meeting (IGM), APN initiated a range of activities under the CAF to enhance **Climate Change Adaptation, Disaster Risk Reduction, Loss and Damage (CCA-DRR-L&D)** that incorporates regional research and capacity building activities in the Asia Pacific region. The activities on CCA-DRR-L&D will be a two-year activity from April 2013 to March 2015 under the APN's CAF which are expected to contribute to UNFCCC/COP19. They are mainly comprised of regional research, capacity development, and communication activities. With financial contribution of the Ministry of the Environment, Japan (MOEJ), APN will launch special call proposals focused on adaptation, disaster risk reduction, loss and damage associated with climate change impacts in the Asia Pacific region.

With regard to communication activities, APN will organize two workshops on disaster risk reduction, loss and damage associated with climate change impacts in Asia and the Pacific. Experts on CCA-DRR-L&D including practitioners of government, researchers, international organizations and the global change research community will be expected to participate in the meetings. The expected outcome of the workshops will be to develop partnerships between APN and relevant organizations, to share needs, gaps and lessons on CCA-DRR-L&D to find a better strategic way for CCA-DRR-L&D in Asia and the Pacific. The first workshop will be held on 21-23 August 2013 in Kobe, Japan and the second one will be held in the next fiscal year or 2014. Apart from two main programmes and the climate adaptation framework, APN has the Low Carbon Initiatives framework, and Biodiversity and Ecosystem Services framework focusing on special thematic areas relevant to the Asia-Pacific region.

3. Focus areas of risk management for loss and damage associated with climate change impacts

(Please provide information on the areas of work in relation to the items included in decision 3/CP.18 as listed in the introductory note as well as any additional focus areas, that your organization/associated network has been mandated to address. These could include relevant institutional policy statements/operational guidance documents etc. Please provide web links where further details can be found.)

The focused activities under CCA-DRR-L&D with funding from MOEJ in 2013 that are mentioned above may include most areas of work in relation to the items included in decision 3/CP.18, in particular the following:

- ✓ Assessment of the impacts of climate change and adaptation limits – what is Loss and Damage? What are linkages with disaster management and disaster reduction?
- ✓ Gap analysis on regional needs and status quo in the Asia-Pacific region
- ✓ Approaches to address loss and damage associated with adverse impacts of climate change
- ✓ What kind of underpinning scientific and policy-relevant planning and methodology is needed in response to Loss & Damage?

4. Geographic coverage

APN member countries are as follows;

Australia, Bangladesh, Bhutan, Cambodia, China, Fiji, India, Indonesia, Japan, Lao People's Democratic Republic, Malaysia, Mongolia, Nepal, New Zealand, Pakistan, Philippines, Republic of Korea, Russian Federation, Sri Lanka, Thailand, United States of America, and Vietnam.

Individuals and organisations in Maldives, Myanmar, Pacific Island States and Singapore are able to participate in all APN programme activities and are considered to be from an APN approved country under the programme membership participation criterion.

5. Key stakeholders

The APN relies heavily on the generosity and commitment of all its Member Countries for financial and in-kind support. Financial contribution are comes from four donor countries Japan (Ministry of Environment and Hyogo Prefectural Government), USA (National Science Foundation), Republic of Korea, New Zealand. In addition, in-kind support from APN members, such as hosting workshops and seminars and the sharing of scientific and management expertise.

6. Implementation modality / delivery mechanisms

As regional research network APN keep transparency for all member countries when implementing or any changing APN activities. Therefore, the structure of the APN is built around an Intergovernmental Meeting (IGM) of policymakers and scientists from all member countries. The IGM is the main decision-making body of the APN and approves the APN's programmes of work and budget for the next year, including the research programmes/framework and related activities to be funded, based largely on recommendations from the APN Scientific Planning Group(S PG).

APN selects projects form APN annual call for proposal programme, which has three-stage review process to identity good proposals in global change research relevant to the Asia and Pacific region. The proposal review process conducts by APN internal reviewers or SPG members and external reviewers. APN Scientific planning group consists of 22 Scientists from 22 APN member countries and 5 Invited experts from the international global change scientific community. After completing APN proposal review process, SPG members recommend proposals that could be funded for IGM. Selected proposals will received the financial support from one year to three year depending on the research plan. Special call for proposal programme also follows three-stage review process and identified best proposal for funding through the same mechanism as described above.

To manage and monitor APN funded projects, APN has essential reporting requirements and monitoring system, which include reviewing both the scientific progress and financial management of projects.

- Interim Report for APN in-house publication to create annual science bulletin;
- Bi-annual progress. This usually takes place 6 months for new activities
- Annual Progress Report, for continuing multi-year projects/activities are reviewed by the APN's Scientific Planning Group (SPG) before project funds for the next fiscal year is approved.
- Final Scientific/Technical Activity Report, (applicable for one-year projects and multi-year projects their final year), due for submission one month before the official end of the contract. Final reports are freely disseminated to the global change community through APN E-Lib web portal.
- For financial management, APN requires project leaders of all sub-awardees to provide a detailed financial report (including evidence such as receipts) on an annual basis after 30 days from the contract end date.

To deliver research output for science community, policy makers and public, all project outcomes are published in well-established open access metadata system or [APN E-Lib](#). In addition, APN secretariat will inform member countries through the national focal points (nFPs) and SPG members when the project is completed. Furthermore, APN produces [synthesis reports](#), [policy briefs](#), [books](#) to distribute research output to policy marker and public. As example, APN will publish the book (under Springer Publication) titling “*Climate in Asia and the Pacific: Security, Society and Sustainability*” in the end of August 2013. This book is contributed by 31 authors and addresses a number of key questions that relate to our current understanding of the interactions between climate, natural ecosystems and human communities across Asia and the Pacific.

Furthermore, by participating local and international events, APN delivers the research outputs to international community and enhance its partnerships with local, national, regional and international organizations.

7. Key activities / outputs to date

APN organized annual and focused activities to deliver and highlight the APN project outputs. The following key activities are conducted as annual activities;

1. APN Intergovernmental Meeting- APN decision making body
2. APN steering committee meeting- The Steering Committee (SC) acts on behalf of the IGM during the period between IGMs, annually APN has one steering committee meeting in between two IGMs.
3. APN Sub Regional Cooperation Meetings (South Asia, South East Asia and Temperate East Asia)- Through the sub regional meeting, members will identified potential regional activities and share the country experience and knowledge relevant regional issues.
4. Proposal Development Training Workshop (PDTW) back to back with sub regional cooperation meeting- APN organized three-day training workshop to increase capacity of young/early career scientists to submit proposals to the APN and compete effectively in its competitive Annual Calls for Proposals. More than 45 young, early-career scientist from 17 countries received training in the PDTWs.

Apart from the annual activities, APN organized focused activities and collaborative activities with International Global Change Research Programme. Science and policy dialogue is one of key activity which organized by APN to promote informed decision-making on actions to reduce global environmental change vulnerability and promote climate adaptation strategies. Collaboration with START, APN has conducted Science-Policy Dialogue on challenges of global environmental change in southeast Asia. As result of this dialogue, APN has produced a proceeding and [policy brief](#). Furthermore, the 18th IGM approved to organized two regional science policy dialogues in South Asia and Temperate East Asia and a synthesis of 3 Sub-Regional Science-Policy Dialogues.

In related to climate adaptation, APN organized Scoping workshop to enhance the action of APN developing country members on adaptation in the Asia-Pacific region. APN-UNCECAR 10 days training course on climate change downscaling approaches and applications was held on 9-20 November 2012 and 48 participants (45 developing countries), were trained.

Through the APN core programme, APN has funded number of projects that are directly or indirectly related to loss and damage associated with climate change impacts, including extreme weather events

and slow onset events, such as the following projects;

1. [Inventory of Glaciers and Glacial Lakes and the Identification of Potential Glacial Lake Outburst Floods \(GLOFs\) Affected by Global Warming in the Mountains of India, Pakistan and China/Tibet Autonomous Region](#)
2. [Training Institute on Climate and Extreme Events in the Pacific](#)
3. [A study on loss of land surface and changes to water resources resulting from sea level rise and climate change](#)

More information on APN funded projects please visit APN website: <http://www.apn-gcr.org/resources/>