

Asia-Pacific Network for Global Change Research (APN)

Member countries



22 member countries

Australia, Bangladesh, China Fiji, India, Indonesia, Japan* Republic of Korea*, Lao PDR, Nepal, New Zealand*, Malaysia, Mongolia, Pakistan, Philippines Russia, Sri Lanka, Thailand United States of America, Viet Nam

* Donor countries

Vision: An Asia-Pacific region that is successfully addressing the challenges of global change and sustainability

Goals:

- Support regional cooperation in global change research
- Enhance capabilities to participate in global change and sustainability research and support science-based decision-making
- Strengthen interactions among scientists and policy makers, and providing scientific input to policy decision-making and scientific knowledge to the public
- Cooperate with other global change and sustainability networks and organizations.

Main Programmes:



Collaborative Regional Research (CRRP)



Scientific Capacity
Development
(CAPaBLE)



Collaborative Research for Early-Career Scientists (CRECS)



Science-Policy
Dialogues
(SPD)



Proposal Development Training Workshops (PDTW)



Outputs of APN activities

- Funded over 500 projects since 1996
- More than 400 peer-review publications (2010-2018), including more than 160 projects related to climate vulnerability assessment and climate change adaptation
- Over 60% of projects are led by researchers/practitioners from developing countries in the Asia-Pacific region, and 70% engage early-career scientists.
- APN research and capacity building projects directly engaged over 7,000 people (2015-2019)
- Project information is available on the E-Library at http://www.apn-gcr.org/resources/

APN's contribution to global agenda

Intergovernmental Panel on Climate Change (IPCC)

- Over 50 project leaders and APN members contributed to IPCC 5th Assessment Report (AR5)
- Implementation of capacity building activity related to IPCC, Paris Agreement and SDGs in collaboration with authors/reviewers of Chapter 10 of Working Group II of IPCC 6th Assessment Report (AR6)
- 20 project leaders engaged with 20 papers for the Elsevier Special Issue and targeted for WGII IPCC AR6, Chapter (10 Asia)
- Members/project leaders engaged in the current IPCC AR6 cycle as reviewers or authors

United Nations Framework Convention on Climate Change (UNFCCC)

Funded 3 projects for capacity building for development of National Determined Contributions (NDCs)
 under CAPaBLE programme



More than 100 projects have multiple connections with the SDGs mainly 13, 14, 15 in over 5 years



COLLABORATIVE RESEARCH

APN project in collaboration with **WCRP**

APN contributes to WCRP by implementing necessary policyrelevant research and capacity development projects in Asia and the Pacific region.

The Southeast Asia Regional Climate Downscaling (SEACLID) / **CORDEX Southeast Asia Project**

- Led by Prof Fredolin Tangang
- 14 Countries, 20 Institutions
- Resolution: 25 km x 25 km
- ~4yrs [Nov 2013 Dec 2017]; Second Phase [3 yrs; 2016 – 2019; 2 km x 2 km on 5 smaller *sub-domains*]
- Funded by APN and funds from individual countries





























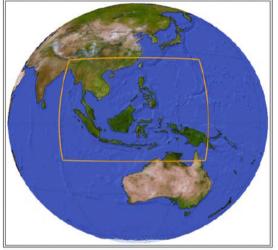


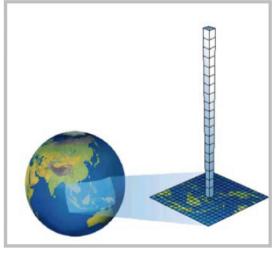






(http://www.ukm.edu.my/seaclid-cordex)



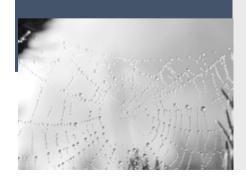


CAPACITY BUILDING & NETWORKING



Outstanding Project highlighted in APN's 4th strategic Phase Report

More information: http://www.apn-gcr.org/resources/items/show/1883



Coordinated Regional Climate Downscaling Experiment (CORDEX) in Monsoon Asia

Three-year project that supported the implementation of CORDEX in the monsoon Asia region by setting up an open, efficient and shared collaborative platform of groups working in climate downscaling, vulnerability, impacts and adaptation.

The project team

- trained about 130 young scientists on climate modelling and downscaling in Kathmandu, Nepal; Bogor, Indonesia; and Beijing, China.
- Hands on training on various user modules such as hydrology, agriculture, the economic impact of climate change on agricultural production, land use change etc.;
- organized science-policy dialogues focusing on climate adaptation during the training workshops.
- contributed in sharing and exchanging data, experiences and techniques on climate downscaling among CORDEX groups in Asia.
- ✓ Data products resulting from downscaling techniques will help support assessment research and decision-making in areas affected by climate change, including agriculture, ecosystems, health, hydrology, land cover change and water resources