

Asia-Pacific Network for Global Change Research (APN)

TECHNOLOGY TRANSFER NEEDS IN ASIA-PACIFIC - ROLE OF APN -



Bridging Science & Policy
for a Sustainable Asia-Pacific

**APN Secretariat
Linda Anne Stevenson**

Asia Pacific Network for Global Change Research (APN)



An inter-governmental network of 22 countries* in the Asia-Pacific fostering **research, capacity development** and **science-policy interaction** in the fields of **global change and sustainability**

APN's main activities include:

- Supporting regional research and capacity development on fields related to global change and sustainability
- Strengthening evidence-based science-policy linkages, informing decision-making and enhancing public awareness

Our donors



Ministry of the Environment, Japan



Hyogo Prefectural Government, Japan



Ministry for the Environment, New Zealand

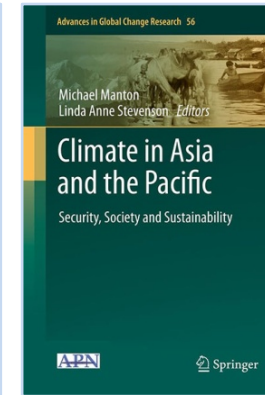
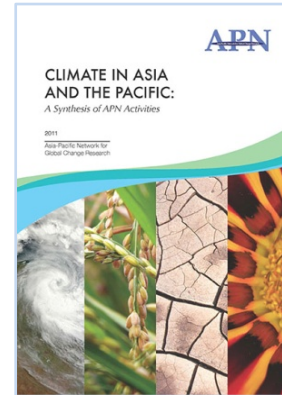
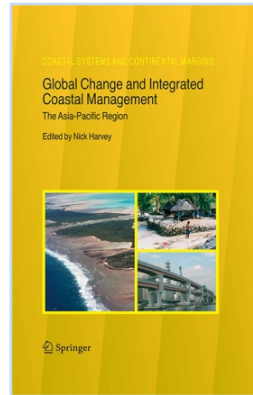
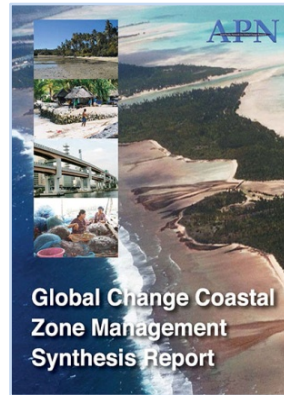
Ministry for the Environment
Manatū Mō Te Taiao



Ministry of Environment, Republic of Korea

** We are supported by all member countries through their in-kind contribution in terms of reviewing proposals, hosting and participating in APN meetings, in-country promotion of APN, etc. APN funded projects also provided substantial in-kind support through staff time, facilities and equipment, etc.

1998
**1st Regional
 Research Project
 launched**



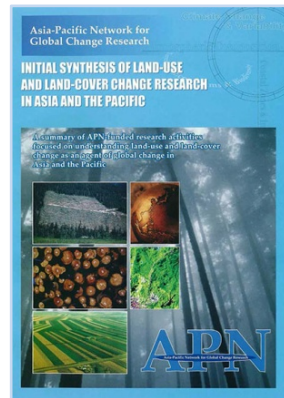
1996
Founded

2003
**1st CAPaBLE
 Project
 launched**

2007
\$10m
disbursed

2010
22
members

2016
>\$26m
disbursed

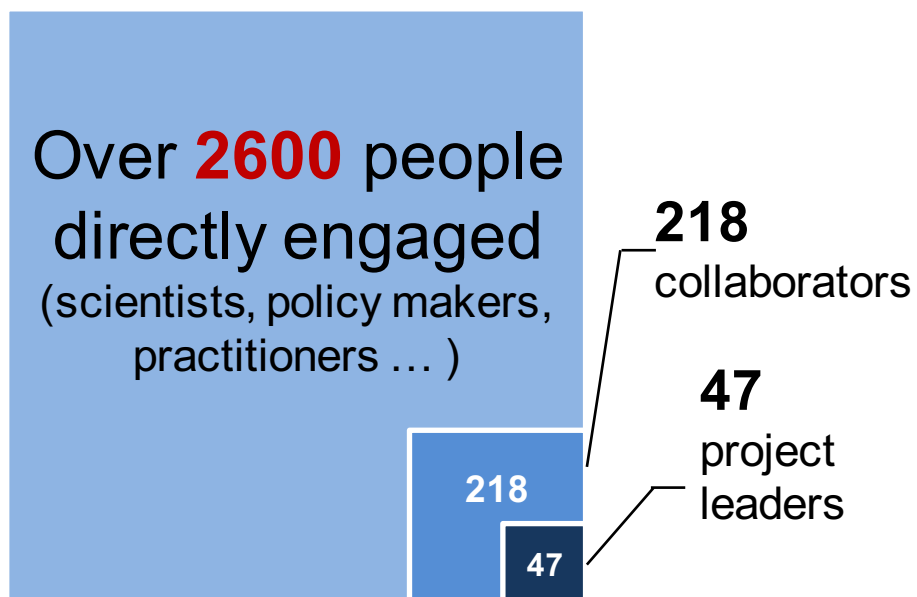


419
**projects funded
 as of May 2016**

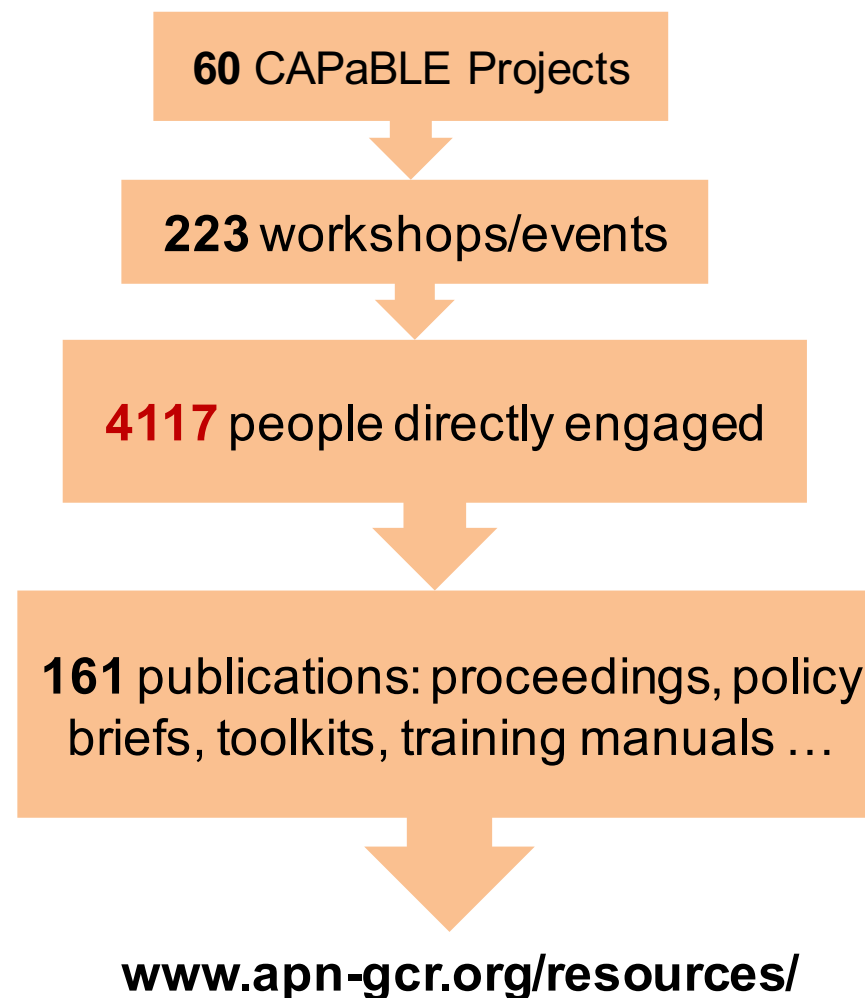
What have we achieved?

Regional Research Programme

- **182** peer-reviewed publications
- **641** tangible outputs
- **22 (47%)** projects directly linked with major GC programmes & projects (WCRP, IHDP, IGBP, DIVERSITAS, etc)



CAPaBLE Programme



What have we learned?

- It is highly crucial to **respond to policy needs**
 - APN's supported research and capacity development should be aligned with member countries' policies
- **There is an increasing needs for capacity development** in member countries, which APN should be able to respond to.
 - In addition to sharing theoretical knowledge, practical (hands-on) training is also needed
- There is a need to **strengthen APN's network of researchers to involve all disciplines, including social disciplines and to engage more trans-/multi-disciplinary research**
- There is a need to **strengthen the network, and establish collaboration and partnerships** with other network and organizations that share common goals and similar interests
- There is a need to be **more proactive in communicating** results and findings, **outreaching** to wider communities and the public

What have we planned?

Vision

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

Goals

Regional
Collaborative
Research

Capacity
Development

Science-Policy
Interaction

Partnerships
with
stakeholders

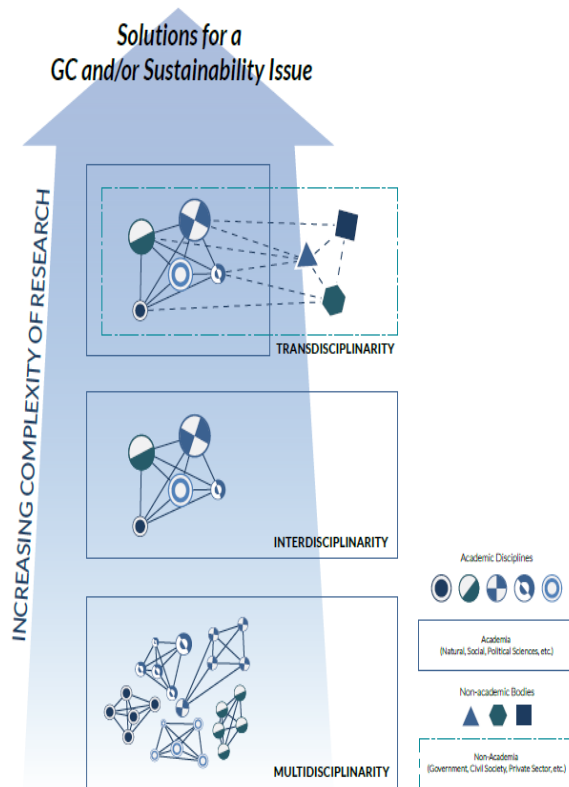
4th Strategic Plan:

- **Research Agenda**
- **Capacity Development Agenda**
- **Science-Policy Agenda**
- **Communication and Outreach Agenda**

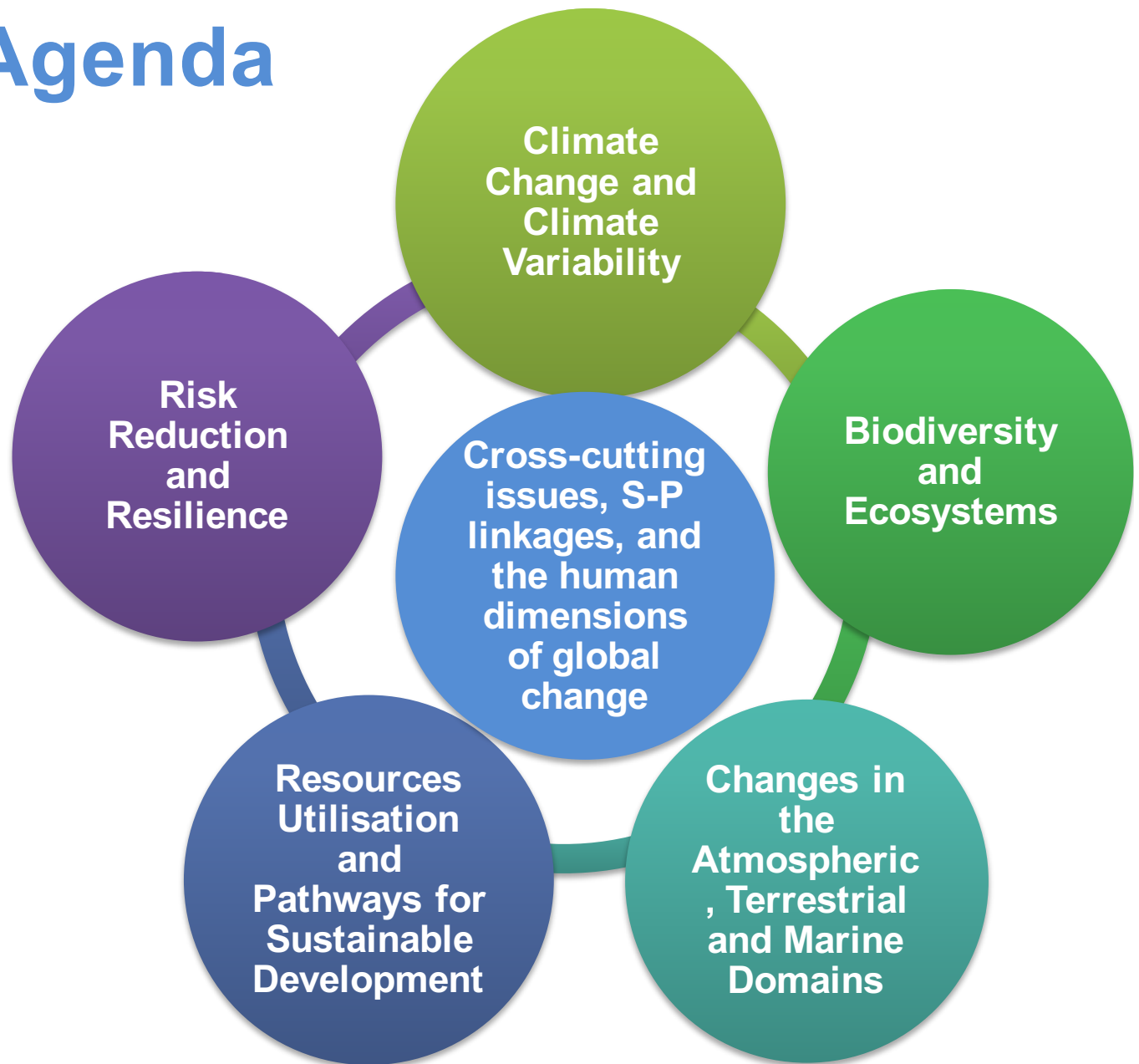


<http://apn-gcr.org/r/4sp>

Research Agenda



Shifting focus towards solutions-oriented research (source: 4th Strategic Plan)



Vision

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

Goals

Regional Collaborative Research

Capacity Development

Science-Policy Interaction

Partnership with stakeholders

APN-funded projects

Core Programmes

CRRP: Regional collaborative research

CAPaBLE: Capacity development

Thematic frameworks

LCI: Low Carbon Initiatives

CAF: Climate Adaptation and Disaster Risk Reduction

BES: Biodiversity and Ecosystem Services

APN organised activities

Science-Policy Dialogues

Proposal Development
Training Workshops

Sub-regional meetings

Mitra Award on Global
Change Research

Publication: APN Science
Bulletin, policy briefs etc.

Young scientist support

Partnerships

UNFCCC
(SBSTA, NWP, L&D)

LoCARNet

IPBES

ICSU

APAN

FE Projects

Governments

Development
Agencies

Why is APN considering Tech. Transfer?

In its 4th strategic phase, APN emphasizes the importance of transdisciplinary and interdisciplinary approaches in addressing regional issues. For the present scoping activity, it is important to emphasize **that APN invests in the identification of applicable methodologies and the development of new tools that would improve the effectiveness of knowledge transfer between scientists and decision makers**. APN also recognizes the importance of developing capacity, which is embedded in the APN philosophy.

Some of the examples of the work that APN continues to support are:

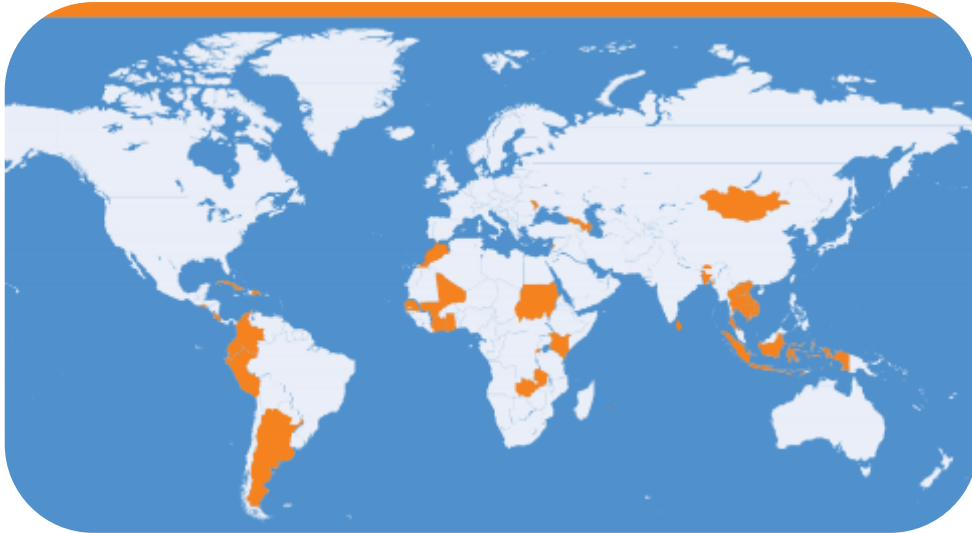
- a. Promoting and strengthening global change and sustainability research
- b. Addressing and identifying gaps via synthesis and assessment work
- c. Developing pathways and effective mechanisms to achieve sustainable development
- d. Developing pathways and mechanisms for effective adaptation and mitigation strategies
- e. Encouraging place-based integrative research particularly from developing countries.

SCOPE

- APN needs to remain proactive in responding to the needs and challenges of the developing countries. In this context, APN has been following the work of the UNFCCC closely in the area of low carbon technology transfer, and remaining below a global average temperature rise of 2°C.
- APN sees a potential niche in the area in order to support global and regional efforts to strengthen networks, partnerships and capacity building for climate technology transfer at local, national and regional levels
- We are scoping in a 2-day workshop on mitigation and adaptation technology transfer in the context of needs identification (**gaps through synthesis/analysis**), regional collaborative research and capacity development.

Technology Needs Assessments (TNAs)

- Cost of Project Ideas to satisfy needs

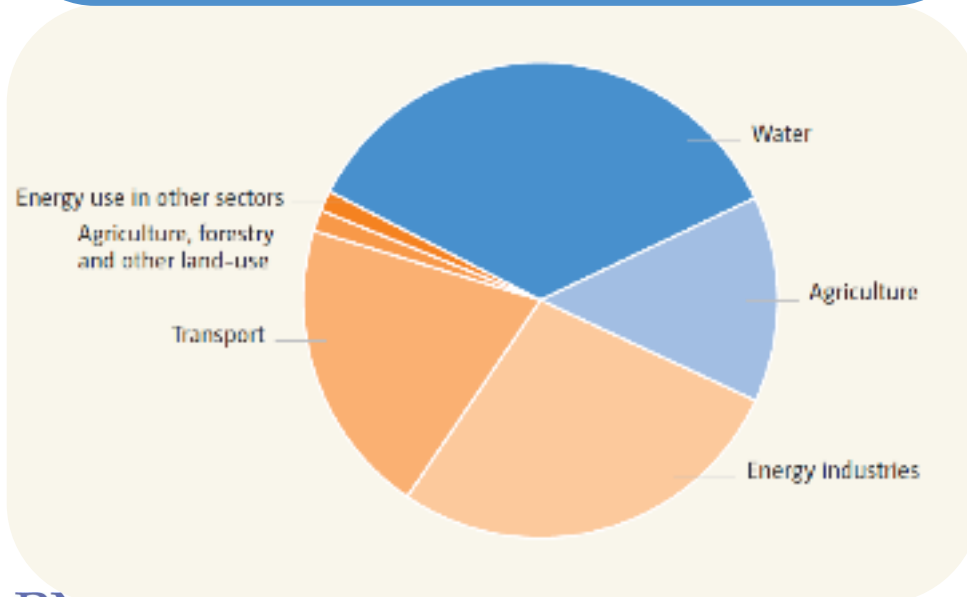


Prepared by Finance, Technology and Capacity-building Programme of the UNFCCC

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31 parties recently completed or updated their in TNA's and included nine (9) APN Asia-Pacific developing-country partners

- ✓ Bangladesh
- ✓ Bhutan
- ✓ Cambodia
- ✓ Indonesia
- ✓ Lao PDR
- ✓ Mongolia
- ✓ Sri Lanka
- ✓ Thailand:
- ✓ Viet Nam:



Brainstorming/Questions

Two Breakout Sessions on Mitigation and Adaptation for Technology Transfer that will focus on (1) **GAPS & NEEDs** and (2) **STAKEHOLDER MAPPING ON RESEARCH & CAPACITY DEVELOPMENT**

- (1) What are APN researchers' role in solving the main barriers for technology transfer identified by UNFCCC Technology Needs Assessment (TNA) report?

- (2) How are APN researchers able to support technology development and transfer to implement (I) NDCs?

- (3) How can/should we adjust our approach on TT to meet the emerging needs and expectations set by Paris Agreement?

- (4) To what extent has Technology Transfer in the Context of Mitigation & Adaptation to Climate Change so far addressed the importance of salience, credibility and legitimacy so that climate information can be translated into “real-life action”?

OUTPUTS

- The aim is to develop a robust collaborative regional research and capacity development initiative for Technology Transfer needs in the context of global change and sustainability
- **This initiative, which might be a stand-alone framework or embedded under CRRP and CAPaBLE programmes would provide support for technology transfer research, synthesis, assessment and capacity development activities**
- The results would effectively respond to the needs of APN members and produce information for decision makers that could lead to stronger solutions for an adaptable, sustainable, low carbon Asia-Pacific under a warming climate.

INTEGRATION

APN-funded projects

Core Programmes

CRRP: Regional collaborative research

CAPaBLE: Capacity development

Thematic frameworks

LCI: Low Carbon Initiatives

CAF: Climate Adaptation and Disaster
Risk Reduction

BES: Biodiversity and Ecosystem Services

Thank you!

For more information: <http://www.apn-gcr.org/>

News, announcements and global change community updates.



APN E-Lib: www.apn-gcr.org/resources

Archive of publications, project metadata and outputs of completed/ongoing projects.

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