

Asia-Pacific Network for Global Change Research (APN)

Over 25 years of policy-relevant
research on global change in the Asia-
Pacific region

Asia-Pacific Network for Global Change Research
4th ICCAP Meeting, 15 December 2023



About

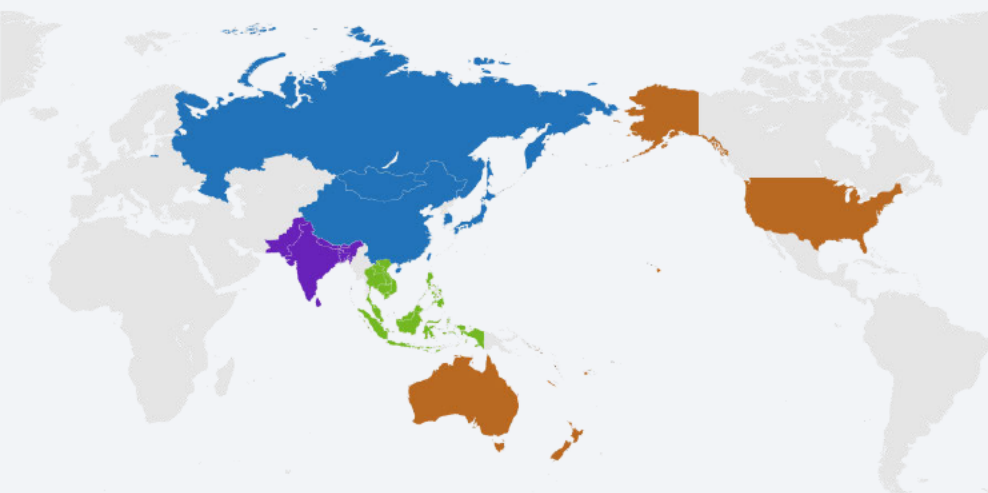
Established ☐ 1996

Member countries ☐ 22 countries in Asia-Pacific region
☐ Additional “approved countries”

Secretariat ☐ Kobe, Hyogo Prefecture, Japan

Donors

- ☐ Ministry of the Environment, Japan
- ☐ Hyogo Prefectural Government, Japan
- ☐ Ministry for the Environment, New Zealand
- ☐ Ministry of Environment, Republic of Korea



Focus areas



Strategic goals

REGIONAL RESEARCH

Support regional cooperation in global change research on issues particularly relevant to the Asia-Pacific region.

CAPACITY DEVELOPMENT

Enhance capabilities to participate in global change and sustainability research and support science-based decision-making.

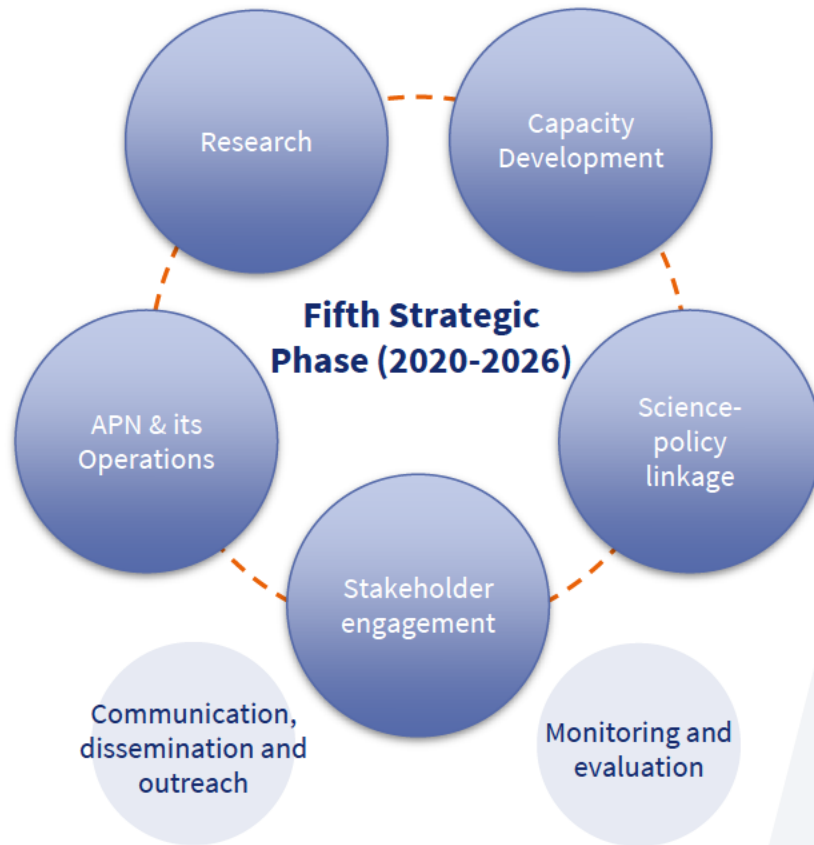
SCIENCE-POLICY LINKAGES

Strengthen interactions among scientists and policymakers; provide scientific input to policy decision-making, and scientific knowledge to the public.

STAKEHOLDER ENGAGEMENT

Cooperate with other global change and sustainability networks and organisations.

Fifth Strategic Plan (2020-2026)



Direction of APN in the Fifth Strategic Phase

Contribute to the realisation of global agendas, such as:



Focused activities in the Fifth Strategic Phase

- ☐ Explore new research initiatives that contribute to:
 - Climate Change: AP-PLAT and WCRP-CORDEX programme;
 - Synergies between climate change and disaster risk reduction;
 - Achieving carbon neutral society;
 - Addressing issues on marine plastic debris and microplastics.
- ☐ Advance work in areas of circular and ecological economy (CEE), zero carbon cities, nature-based solutions and climate-smart agriculture, etc.
- ☐ Provide support to early career professionals through tailored activities and programmes that meet their specific needs.
- ☐ Strengthen linkages between scientists, policymakers and practitioners etc. and provide sound scientific information for policymaking processes.



Abe, T., Bastaman, H., Fukushima, K., Heath, L. C., Hill, D. P., Hoshino, Y., ... Yoshikawa, K. (2021). APN Fifth Strategic Plan. doi: [10.30852/sp.5](https://doi.org/10.30852/sp.5)

[illegible]

Impact of APN's work in climate change

■ APN's recently published work in climate change and adaptation

Special Issue on Climate Change Impacts, Vulnerability and Adaptation

- Shrestha, S., Stevenson, L. A., Shaw, R., & Pulhin, J. (Eds.). (2020). Editorial of Special Issue on Climate Change Impacts, Vulnerability and Adaptation: Asian Perspective. *Environmental Research*, 109826. Retrieved from <https://www.sciencedirect.com/journal/environmental-research/special-issue/10KXCRMVJ96>

Knowledge synthesis of APN's work on Climate Change research in Asia

- Uchiyama, C., Stevenson, L. A., & Tandoko, E. (2020). Climate change research in Asia: A knowledge synthesis of Asia-Pacific Network for Global Change Research (2013–2018), *Environmental Research*, Volume 188, <https://doi.org/10.1016/j.envres.2020.109635>.

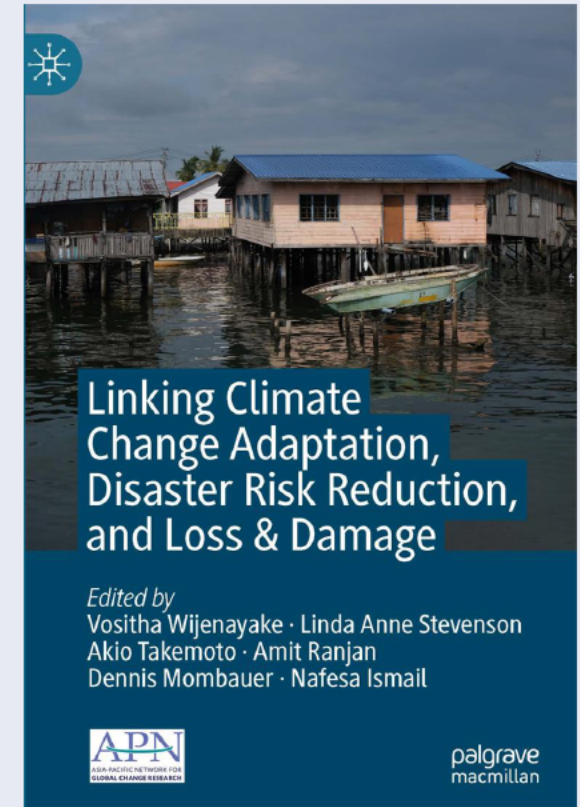
Assessing APN's contribution to the Sendai Framework

- Uchiyama, C., Ismail, N., & Stevenson, L. A. (2021). Assessing contribution to the Sendai Framework: Case study of climate adaptation and disaster risk reduction projects across sectors in Asia-Pacific (2015–2020), *Progress in Disaster Science*, Volume 12, <https://doi.org/10.1016/j.pdisas.2021.100195>

Synthesis of outputs from APN Climate Adaptation Framework

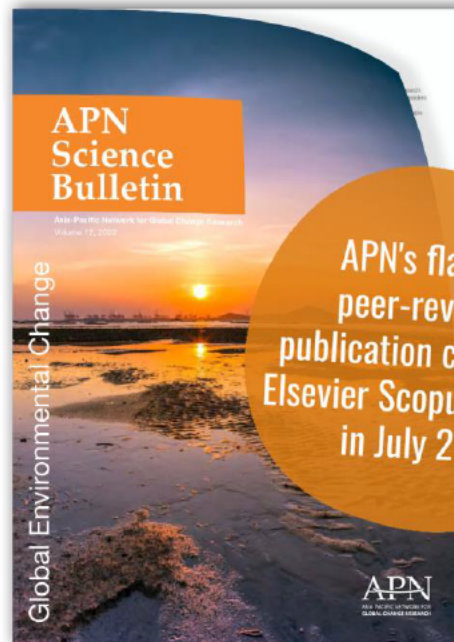
Releasing February 2024:
<https://link.springer.com/book/9789819980543>

- Advance knowledge on **loss and damage**, and its interlinkages with **climate adaptation and disaster risk reduction**.
- The book includes twelve case studies conducted across South and Southeast Asia, **covering sectors including agriculture, rural livelihoods, energy, infrastructure, and natural resources**.

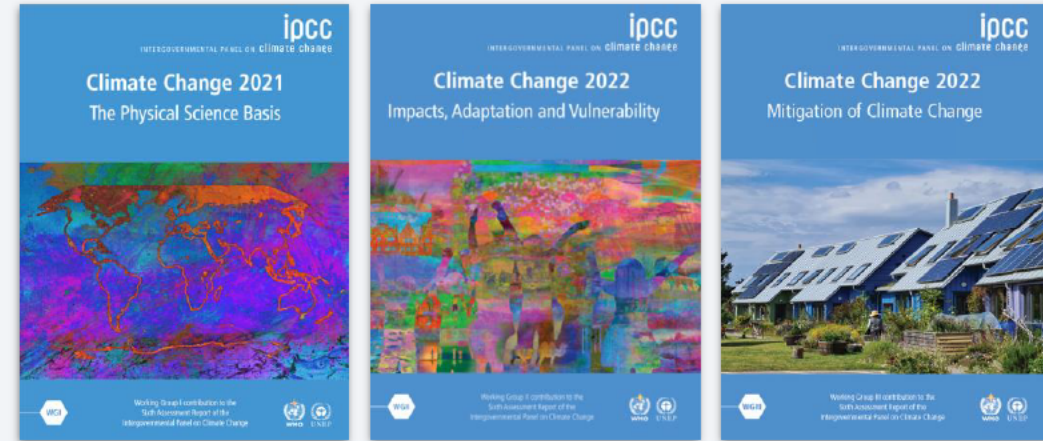


Contribution to IPCC

More than 100 publications from APN projects and activities have been cited in the Working Groups I, II, and III contributions to the IPCC Sixth Assessment Report.



APN's flagship peer-reviewed publication celebrated Elsevier Scopus indexing in July 2023!



76%

APN publications cited in the **WGII** contribution as a percentage of all AR6-cited APN publications

Over

60

APN projects contributed to IPCC Sixth Assessment Report

15

Number of countries represented by these APN project leaders

In the **WG II** contribution, most citations appear in

Chapter 5. Food, fibre, and other ecosystem products

Chapter 10. Asia

Chapter 15. Small islands

Read the press release here: <https://www.apn-gcr.org/?p=21069>

APN's Core Programmes

APN Core Programmes

In its 5th Strategic Phase, APN has two key programmes addressing its six focus areas, of which APN supports new projects through donor funding.

Collaborative regional research (CRRP)

A key pillar of APN's science agenda, involving multi-country research projects.

Scientific capacity development (CAPaBLE)

Building scientific capacity at local, organisational, and systemic levels.

77.6%

Projects led by researchers from developing countries (FY 2020–FY2022)

60%

Projects led by **early career professionals** (funded in 2022)

75%

Projects reported engaging **early career professionals** (Annual Report FY2021)

- Comprehensive Regional Research Programme (CRRP)
- Scientific Capacity Development Programme (CAPaBLE)
- Each year, APN supports projects under both CRRP and CAPaBLE programmes, and **endorsed 17 new projects starting in October 2023 (for up to 2 to 3 years).**

[illegible]

2023 Call for Proposals

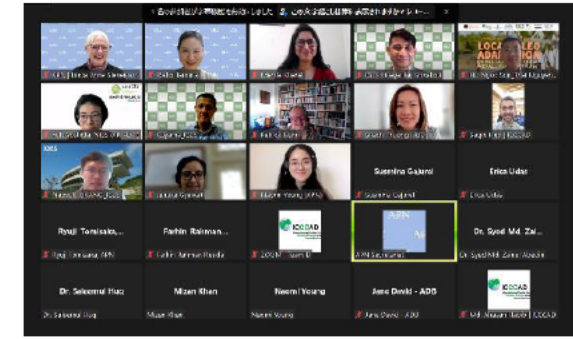
Many priority topics for subregions have adaptation focus

Closed 10 December

Received **180** summary proposals

South Asia	Southeast Asia	Temperate East Asia	Pacific
• Climate change adaptation, loss and damage, and the impacts of extreme events • Future GHG emission scenarios, including decarbonisation pathways • Integrated urban waste management for sustainable development • Enhancing urban and rural water security in South Asia in the face of global change • Ecosystem resilience: Addressing climate change and ecosystem services through promotion of ecosystem-based adaptation	• Climate change and climate variability (CC&V) and disaster risk reduction • Transboundary issues (specifically air pollution, marine plastics, marine debris) • Big Earth Data for SDGs • Bio-circular green economy and circular ecological economy • Achieving SDGs in the face of a changing climate: Food, water, and energy security	• Nature-based solutions for climate resilience and ecosystems restoration • Climate extremes, carbon neutral societies, and alternative energy production • Big Earth Data for global change • Knowledge innovation for sustainable resource management	• Global change and its impacts on ecosystems and livelihoods in the Pacific • Climate adaptation, disaster risk reduction, displacement and relocation • Climate variability and change, and their impacts in national and regional contexts • Biodiversity and ecosystem conservation for human well-being and protection in the Pacific

Ongoing & Future Collaboration



As a network:

- APN fosters networking, collaboration, research, and dialogue for Asia-Pacific progress.
- APN informs policy with trusted science, highlighted in IPCC AR6 citations, bridging knowledge to action.
- APN aligns its members national priorities with global climate policies considering intricate policy-economy-resource dynamics.

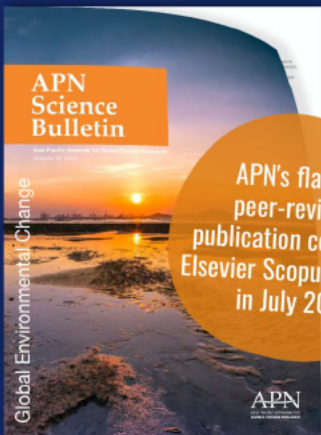
For adaptation our efforts are emphasised through:

- APN's joint project with IGES on locally led adaptation
- Partner with Asia-Pacific Climate Change Information Platform (AP-PLAT)
- Adaptation Research Alliance (ARA)
- Common events, including Asia-Pacific Climate Change Adaptation Forum (APAN), Gobeshona Global Conference, UNFCCC-COP side events, SBSTA International Research Dialogue
- In our 5th Phase, APN is particularly interested in promoting/expanding its work in the Pacific region, and we look forward to furthering our dialogue with other relevant partners/participating organisations in this regard.

Information

Contact:

Linda Anne Stevenson
lastevenson@apn-gcr.org



APN's flagship
peer-reviewed
publication celebrated
Elsevier Scopus indexing
in July 2023!

APN Science Bulletin

Peer-reviewed articles
from APN projects

www.apn-gcr.org/bulletin/



APN website

www.apn-gcr.org

Policy briefs

Policymaker-oriented concise summary of APN project outputs

<https://www.apn-gcr.org/briefs>

Publications library

Reports, proceedings, guides, toolkits and other output from APN projects

www.apn-gcr.org/publications-library/

Newsletter: APN Updates

Register here for regular email updates from the APN Secretariat

www.apn-gcr.org/getmail

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

