



**TWENTY-SIXTH JOINT  
INTERGOVERNMENTAL MEETING/  
SCIENTIFIC PLANNING GROUP**

13-14 June 2024

# PROCEEDINGS



# **Proceedings of the Twenty-Sixth Joint Intergovernmental Meeting/ Scientific Planning Group Meeting**

© 2025 Asia-Pacific Network for Global Change Research

APN seeks to maximize the discoverability and use of its knowledge and information. All publications are made available through its online repository ([www.apn-gcr.org/publications-library/](http://www.apn-gcr.org/publications-library/)). Unless otherwise indicated, APN publications may be copied, downloaded and printed for private study, research and teaching purposes, or for use in non-commercial products or services. Appropriate acknowledgement of APN as the source and the copyright holder must be given, while APN's endorsement of users' views, products or services must not be implied in any way. For reuse requests: <https://www.apn-gcr.org/contact-information/>

The use of geographic names, boundaries and related data on maps, and in lists and tables within this publication are not warranted to be error-free, nor do they imply any endorsement by APN.

**Cover photo:** Erik Eastman on Unsplash.

## Message from the Secretariat Acting Director

---

On behalf of the APN Secretariat, it gives me great pleasure to extend my heartfelt gratitude to all participants of the 26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting, held in Jakarta, Indonesia. This gathering reflects the commitment of our member countries, partners and early career professionals to advancing collaborative research and capacity development in the Asia-Pacific region.

I wish to express our deepest appreciation to the National Research and Innovation Agency (BRIN) for their warm hospitality and for hosting us in Indonesia. In particular, I would like to acknowledge Dr. Mego Pinandito, National Focal Point of Indonesia, and Prof. Erna Sri Adiningsih, SPG member for Indonesia, whose leadership and dedication were invaluable in bringing this meeting to fruition. Their efforts, together with the support of BRIN colleagues, ensured a smooth and successful gathering.

The 26th IGM/SPG marks another important milestone in APN's journey. Since its establishment, APN has worked to bring together the scientific community, policy-makers, and stakeholders across the Asia-Pacific to address pressing issues of global change. This meeting has once again highlighted the value of regional cooperation in strengthening the science-policy interface and supporting innovative research and capacity development programmes. I am especially pleased to note that 10 new projects were approved under the Collaborative Regional Research Programme (CRRP) and 7 new projects under the CAPaBLE Programme, further reinforcing our collective commitment to advancing knowledge and building resilience in the region.

This year, we also reviewed progress at the mid-point of APN's 5th Strategic Phase (2020–2026). The evaluation provided a valuable opportunity to reflect on what has been achieved so far and where further attention is needed. It has shown that, despite the challenges of recent years, APN has remained steadfast in supporting impactful research, building the capacity of early career professionals, and strengthening partnerships across the region. These lessons will guide us as we move forward into the second half of the strategic phase, ensuring that our activities remain relevant, responsive and transformative.

Equally important has been the opportunity to reflect on APN's future direction. The discussions in Jakarta underscored the importance of ensuring the long-term sustainability of APN. Strengthening institutional operations and financial sustainability is essential if APN is to continue providing a trusted platform for collaboration. I am deeply grateful to our members for their recognition of this need and for their commitment to support APN's operational and financial future. Your willingness to work together on practical and innovative solutions will ensure that APN continues to deliver programmes of high impact and relevance across the Asia-Pacific.

Thank you once again for your trust, collaboration and shared vision. Gatherings such as this remind us of the strength of our network and the value of coming together across cultures, disciplines, and national boundaries. On behalf of APN, we look forward to continuing our collective efforts and to the positive difference we can make for the people and communities of our region.



Dr Linda Anne Stevenson  
Acting Director  
APN Secretariat

## Contents

---

<b>Message from the Secretariat Acting Director</b>	<b>3</b>
---	----------

---

<b>Contents</b>	<b>4</b>
-----------------	----------

---

<b>Chairperson's Summary</b>	<b>5</b>
------------------------------	----------

---

IGM/26/R	Chairperson's Summary	6
IGM/26/R-App.1	Participant's List	13
IGM/26/R-App.2	Collaborative Regional Research Programme (CRRP) proposals approved for funding in FY2024	20
IGM/26/R-App.3	Scientific Capacity Development Programme (CAPaBLE) proposals approved for funding in FY2024	21
IGM/26/R-App.4	Confirmation of Action Points of the 26th IGM Meeting	22

<b>Welcome and Opening Remarks</b>	<b>26</b>
------------------------------------	-----------

---

<b>Main Item Papers</b>	<b>33</b>
-------------------------	-----------

---

IGM/26/1	Draft Agenda of the 26th Intergovernmental Meeting	34
IGM/26/2.1	Report from the Steering Committee and the Secretariat	36
IGM/26/2.2	Financial Status since the 25th Intergovernmental Meeting	57
IGM/26/3	Mid-Term Evaluation Report of the 5th Strategic Phase	58
IGM/26/4	Subregional Parallel Sessions	59
IGM/26/5	Report from the Scientific Planning Group	60
IGM/26/6	Report from the Capacity Development Committee	70
IGM/26/7	Report from the Subregional Committees	77
IGM/26/8	Mid-Term Evaluation Report of the 5th Strategic Phase	89
IGM/26/9	APN Strategic Development	90
IGM/26/10	New Activities for 2024	96
IGM/26/11	Approved Work Programme and Budget for FY2024	100
IGM/26/12	Confirmation of the Members of the new Steering Committee (2024-2026) and Vote of Thanks to outgoing Steering Committee Members (2022-2024)	102

<b>Appendices</b>	<b>105</b>
-------------------	------------

---

IGM/26/App.1	Interactive Session I: CAF-DRR-L&D Book Launch	106
IGM/26/App.2	Interactive Session II: ECP Poster & Networking	119

## Section 1

# **Chairperson's Summary**



**The 26th Joint Intergovernmental Meeting/  
Scientific Planning Group Meeting**  
13-14 June 2024, Jakarta, Indonesia

## **Chairperson's Summary of the 26th Joint Intergovernmental Meeting/Scientific Planning Group Meeting**

1. APN members, designated alternates and invited experts from Bangladesh, Bhutan, Cambodia, China, Fiji, India, Indonesia, Japan, Lao PDR, Malaysia, Mongolia, Nepal, New Zealand, Philippines, Republic of Korea, Sri Lanka, Thailand and Vietnam attended the meeting. Representatives of the following organisations attended as observers: Regional Knowledge Centre for Marine Plastic Debris (established under the Economic Research Institute for ASEAN and East Asia) and Centre of Research for Environment, Energy and Water. A list of participants is included in Appendix 1.

### **Inaugural Session**

2. Prof. Amarulla Octavian, Vice Chairman, National Research and Innovation Agency, and Dr Linda Anne Stevenson, Acting Director of the Secretariat, gave opening remarks.

3. The Secretariat invited participants to a memorial service for Dr Luis M Tupas, former national Focal Point (nFP) for the United States of America, to honour his significant contributions to global change research and leadership within APN.

4. The Intergovernmental Meeting (IGM) elected the nFP for Indonesia, represented by the Scientific Planning Group (SPG) member for Indonesia, Prof. Erna Sri Adiningsih, as Chairperson, and the nFP alternate for Malaysia, Mr Ambun Dindang, as Vice-Chairperson.

### **Item 1. Approval of the Draft Agenda**

5. The IGM adopted the draft agenda presented.

### **Item 2. Report from the Steering Committee and the Secretariat**

6. On behalf of the Steering Committee (SC) and the Secretariat, Dr Douglas Hill, nFP and SPG member for New Zealand, and Chairperson of the SC, reported key developments and work undertaken since the 25th Joint IGM/SPG Meeting in June 2022. These include: new nFPs, SPG members and Capacity Development Committee (CDC) members; changes in Secretariat staff;

activities to enhance strategic relationships with global change and sustainability organisations; activities in collaboration with the Hyogo Prefectural Government, Japan; participation at international events and courtesy calls; subregional committee meetings; proposal development training workshops; status of the fiscal year (FY) 2022 and 2023 call for proposals; project management; communication and outreach; and financial status since the 25th Joint IGM/SPG Meeting.

7. The IGM confirmed the report.

### **Item 3. APN 5th Strategic Phase mid-term evaluation report**

8. The Secretariat presented the draft mid-term evaluation report for the 5th Strategic Phase. The development of the 5th Strategic Plan, which the evaluation reviews, was delayed due to the COVID-19 pandemic and was officially approved by the IGM at its 24th Joint IGM/SPG Meeting in February 2022. Covering the period from July 2020 to June 2023, the evaluation provides a concise review of progress towards the phase strategic goals based on monitoring reports. The Secretariat highlighted that, although the draft was approved at the 54th SC Meeting, final edits and layout adjustments remain pending. The IGM was asked to review and discuss the report under “Item 8: APN 5th Strategic Phase Mid-Term Evaluation Report” the following day, with feedback to be incorporated before finalising the report by late July or early August 2024.

9. The IGM agreed to review the mid-term evaluation report and discuss it further the following day under “Item 8: APN 5th Strategic Phase Mid-Term Evaluation Report.”

### **Item 4. Subregional parallel sessions**

10. The South Asia Subregional Committee (SA-SRC), Southeast Asia Subregional Committee (SEA-SRC), Temperate East Asia Subregional Committee (TEA-SRC) and the Pacific Subregional Committee (P-SRC) met in parallel breakout sessions. Invited experts also participated.

11. The subregional committees (SRCs), in their respective parallel breakout groups, reviewed the action points of their previous meetings, elected two nFPs to the SC and one expert to the CDC, elected a chairperson and vice-chairperson, and discussed other operational matters.

### **Item 5. Scientific Planning Group report including topics of interest for 2024 and recommendations for funding under the Collaborative Regional Research Programme**

12. Prof. Wenjie Dong, SPG member for China and SPG Co-Chairperson, provided a report on the 16th SPG Pre-Meeting held on 12 June 2024. Key agenda items included updating the SPG expertise database, increasing nFPs involvement in projects to enhance local impact, continuously reviewing and evaluating all project final reports, reviewing the Collaborative Regional Research Programme (CRRP) proposals submitted to the FY2023 Call for Proposals, and the approval of the SC of USD 678,897 to fund ten projects in FY 2024. Prof. Dong also introduced the APN-ECAP initiative to support early career professionals in global change research by providing networking and training opportunities. The session concluded with the introduction of new SPG Co-Chairpersons and

SPG Sub-Committee (SPG-SC) members for the 2024-2026 term: Prof. Md. Giashuddin Miah (SPG member for Bangladesh) and Dr Awnesh Singh (SPG member for Fiji) as SPG Co-Chairpersons; and Mr Diong Jeong Yik (SPG member for Malaysia), Dr Douglas Hill (nFP and SPG member for New Zealand) and Dr Kim Chi Ngo (SPG member for Vietnam) as SPG-SC members.

13. The IGM noted the approval of USD 678,897 in funding for ten CRRP proposals in FY 2024 and the election of new SPG Co-Chairpersons and SPG-SC members. A list of CRRP proposals approved for funding is included in Appendix 2.

14. The IGM confirmed that the Secretariat will continue to share information on newly awarded projects with the nFPs and SPG members from the country where the project will be conducted and the country of the project leader. Additionally, the IGM requested that SPG members reconfirm project details with their respective nFPs for projects conducted within their countries or led by project leaders from their countries.

## **Item 6. Capacity Development Committee report including topics of interest for 2024 and recommendations for funding under the Capacity Development Programme**

15. Dr Awnesh Singh, SPG member for Fiji and SPG Co-Chairperson, provided a report on the 23rd CDC Meeting held on 11 June 2024. Key topics included the evaluation of Scientific Capacity Development Programme (CAPaBLE) proposals submitted for the FY2023 Call for Proposals and the approval of the SC of USD 321,103, which includes USD 1,103 redistributed from the CRRP budget, to fund seven projects in FY 2024. Dr Singh also highlighted that the selected projects addressed regional priorities and emphasised early career professional involvement, with six out of seven proposals led by early career professionals.

16. The IGM noted the approval of USD 321,103 in funding for seven CAPaBLE proposals in FY 2024. A list of CAPaBLE proposals approved for funding is included in Appendix 3.

## **Item 7. Report from the subregional committees (Pacific, South Asia, Southeast Asia, Temperate East Asia) followed by discussion**

17. Dr Awnesh Singh, SPG member for Fiji, presented on behalf of the P-SRC. It was reported that Dr Douglas Hill, nFP and SPG member for New Zealand, was elected to serve on the SC and requested the Secretariat contact whether or not the nFP for Fiji, once appointed, will be interested in serving on the SC. Additionally, the P-SRC nominated Dr Morgan Wairiu, Pro-Chancellor, Solomon Islands National University, as the first-choice candidate for the CDC and requested the Secretariat to confirm Dr Wairiu's interest and availability. The P-SRC also elected Dr Awnesh Singh as Chairperson and Dr Douglas Hill as the Vice-Chairperson of the P-SRC.

18. Ms Wasantha Geethanjali Kumaragama, nFP alternate for Sri Lanka, presented on behalf of the SA-SRC. It was reported that Mr Iqbal Abdullah Harun, nFP for Bangladesh, and the future nFP for India, were nominated to serve on the SC. Mr Abu Nayeem Mohammed Maruf Khan, nFP alternate for Bangladesh, accepted the nomination, and the SA-SRC decided to await the response from India by 31 August 2024. If India does not respond, the SC position will go to the nFP for Sri

Lanka. The SA-SRC also requested that the nFP for India, once appointed, nominate an expert to the CDC following the agreed alphabetical rotation of countries, with Nepal as the next option if India does not confirm by 31 August 2024. The SA-SRC also elected Mr Iqbal Abdullah Harun as Chairperson and Mr Tenzin Khorlo, nFP for Bhutan, as Vice-Chairperson of the SA-SRC.

19. Mr Diong Jeong Yik, SPG member for Malaysia, presented on behalf of the SEA-SRC. It was reported that Dr Monthip Sriratana Tabucanon, nFP for Thailand, and Mr Muhammad Helmi Abdullah, nFP for Malaysia, were elected to serve on the SC. Additionally, the SEA-SRC decided to renominate Prof. Juan Pulhin, Department of Social Forestry and Forest Governance, College of Forestry and Natural Resources, University of the Philippines Los Baños, to the CDC for another term in recognition of his dedication and contributions. The SEA-SRC also elected Dr Erna Sri Adiningsih as Chairperson and Dr Kim Chi Ngo as Vice-Chairperson of the SEA-SRC. Finally, Mr Ambun Dindang proposed that Malaysia host the 14th SEA-SRC Meeting, pending funding approval from the Malaysian Meteorological Department.

20. Prof. Kensuke Fukushi, SPG member for Japan, presented on behalf of the TEA-SRC. It was reported that Prof. Andrey Adrianov, nFP for Russia, and Dr Xiaofeng Fu, nFP for China, were elected to serve on the SC. Additionally, the TEA-SRC decided to renominate Dr Yuji Masutomi, Head of the Asia-Pacific Climate Change Adaptation Research Section, National Institute for Environmental Strategies, Japan, to the CDC for another term in recognition of his dedication and contributions. The TEA-SRC also elected Dr Soojeong Myeong, SPG member for the Republic of Korea, as Chairperson and Prof. Kensuke Fukushi as Vice-Chairperson of the TEA-SRC.

21. The IGM noted the reports from the respective subregional committees.

22. The IGM acknowledged the willingness of the nFP alternate for Malaysia to host the 14th SEA-SRC Meeting, pending funding approval from the Malaysian Meteorological Department, and noted that ongoing communication will be maintained between the nFP for Malaysia and the Secretariat.

## **Item 8. APN 5th Strategic Phase mid-term evaluation report**

23. Continuing from "Item 3: APN 5th Strategic Phase Mid-Term Evaluation Report" discussed the previous day, the Secretariat presented the draft mid-term evaluation report for the 5th Strategic Phase and outlined the remaining tasks required for its completion. The Secretariat requested feedback from member countries and sought the endorsement of the IGM for the current SC members to continue their work, with the aim of finalising the report by late July or early August 2024.

24. The IGM approved the extension of current SC members to continue working on the report, despite their term concluding at the 26th Joint IGM/SPG Meeting, with the aim of finalising the report by late July or early August 2024.

## **Item 9. Future Strategic Development of APN - Discussion on the future strategic development of APN with a focus on membership and financial capability**

25. The Secretariat presented the future strategic development of APN, focusing on key priorities within the 5th Strategic Phase, such as strengthening partnerships, promoting regional research and enhancing capacity-building efforts. The presentation focused explicitly on "Goal 5: Improving institutional operations and financial sustainability," highlighting the financial challenges faced by APN. These include the depreciation of the Japanese Yen, which has reduced the real value of contributions from Japan, the main donor country of APN, and the need for sustained support from member countries, highlighting a "sense of crisis" surrounding funding.

26. The Secretariat introduced the development of a video, an idea proposed by the nFP alternate for Malaysia during the Ad-hoc Steering Committee Meeting in May 2024, as part of APN's response to these challenges. Furthermore, the Secretariat announced plans to establish a Task Force for Goal 5. This Task Force will focus on exploring cost-sharing partnerships and alternative funding models, including those used by other organisations. The presentation concluded with a call for collective action from member countries to secure the financial future of APN and ensure the organisation continues to make significant impacts across the Asia-Pacific region.

27. Dr Monthip Sriratana, the nFP for Thailand, introduced that Thailand had signed a memorandum of cooperation with China and suggested that the Ministry of Environment of Japan develop a similar memorandum for APN, as this would help facilitate discussions with the Ministry of Finance of Thailand.

28. Dr Erna Sri Adiningsih, SPG member for Indonesia, acknowledged the significant reduction in APN's budget and underscored the importance of collective efforts among all member countries to sustain APN programmes and activities despite limited funding. One potential solution is for project leaders and collaborators to maximise the use of their institutions' existing facilities and resources. This approach could alleviate some of the financial pressures on APN, given the large number of projects APN funds across the Asia-Pacific region. Another potential solution is for member countries that are not currently providing financial contributions to offer partial funding as in-kind contributions. Dr Adiningsih emphasised that while financial contributions are constrained, this should not hinder the ability of APN to deliver impactful activities, projects and outputs.

29. Mr Abu Nayeem Mohammed Maruf Khan, the nFP alternate for Bangladesh, highlighted the difficulty many organisations face in securing funding for climate change-related activities due to the widespread nature of these initiatives. He suggested that APN explore partnerships with development organisations such as the World Bank and the Asian Development Bank, and possibly multinational corporations that may be open to providing support. Mr Khan proposed that if APN could organise a programme to engage these organisations, showcase ongoing research and present promising proposals, it could potentially secure funding. Mr Khan also emphasised the importance of maintaining support from countries such as Japan, New Zealand and the Republic of Korea; however, he noted that accessing funding from development partners would significantly strengthen APN's efforts and contribute to its overall success.

30. The IGM agreed to continue discussions on co-funding strategies and mechanisms, and showcasing APN projects to highlight their impact and relevance to development agencies, such as the Asian Development Bank.

## **Item 10: New activities for FY 2024**

31. The Secretariat presented four new activities for FY 2024 approved by the SC at its 54th meeting: (1) a parallel session at ISAP2024 to showcase IGES-led projects and their transformative impact on sustainability research, with Future Earth Japan providing feedback and facilitating a panel discussion; (2) an in-person TEA-SRC Subregional Cooperation Meeting and Proposal Development Training Workshop to enhance regional research capacity and networking; (3) a collaborative activity with Sun Yat-sen University to foster academic exchanges and partnerships; and (4) initiatives to engage early-career professionals in the IPCC's seventh assessment cycle through workshops and collaborative efforts, aiming to increase peer-reviewed publications and strengthen scientific contributions from the Asia-Pacific region.

32. The IGM noted the four new activities planned for FY 2024.

## **Item 11: Approved work programme and budget for fiscal year 2024**

33. The Secretariat presented the work programme and budget plan for FY 2024, which the SC approved at its 54th meeting.

34. The IGM noted the approved work programme and budget for FY 2024.

## **Item 12: Confirmation of the members of the new Steering Committee (2024-2026) and vote of thanks to outgoing Steering Committee members (2022-2024)**

35. The IGM confirmed the following members to serve on the SC from July 2024 to June 2026: Dr Douglas Hill, nFP and SPG member for New Zealand (Pacific); Mr Iqbal Abdullah Harun, nFP for Bangladesh (South Asia); Mr Muhammad Helmi Abdullah, nFP for Malaysia (Southeast Asia); Dr Monthip Sriratana Tabucanon, nFP for Thailand (Southeast Asia); Dr Xiaofeng Fu, nFP for China (Temperate East Asia); Prof. Andrey Adrianov, nFP for the Russian Federation (Temperate East Asia); Prof. Md. Giashuddin Miah, SPG member for Bangladesh (SPG Co-Chairperson); Dr Awnesh Singh, SPG member for Fiji (SPG Co-Chairperson); Ms Naoko Nakajima, nFP for Japan (donor country representative); Mr Lee Hyung Sup, nFP for the Republic of Korea (donor country representative); and Dr Douglas Hill, nFP and SPG member for New Zealand (donor country representative).

36. The IGM accorded a vote of thanks to the following outgoing SC members: Mr Krishan Pratap, nFP for Fiji (Pacific); Mr Rajendra KC, nFP for Nepal (South Asia); Mr Muhammad Azim Khoso, nFP for Pakistan (South Asia); Mr Virasack Chundara, nFP for Lao PDR (Southeast Asia); Dr Tserendulam Shagdarsuren, nFP for Mongolia (Temperate East Asia); Prof. Wenjie Dong, SPG member for China (SPG Co-Chairperson); and Dr Lance Heath (Invited Expert).

## **Item 13: Action points of the 26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting**

37. The IGM reviewed and approved the list of action points presented subject to formal editing. A list of approved action points is attached as Appendix 4 of this summary.

**Item 14: Item 14: Any other business and closing**

38. The meeting was closed after a vote of thanks was given to the Chairperson, invited speakers, participants and the Secretariat.

###



**The 26th Joint Intergovernmental Meeting/  
Scientific Planning Group Meeting**  
13-14 June 2024, Jakarta, Indonesia

---

## Participants List

### Members and Alternates

#### Bangladesh

Mr Abu Nayeem Mohammed Maruf Khan (nFP Alternate)  
Deputy Secretary  
Ministry of Environment, Forest and Climate Change  
Bangladesh  
Tel: +8801711988883 / Email: [marphy2002@yahoo.com](mailto:marphy2002@yahoo.com)

Prof. Md Giashuddin Miah (SPG Member)  
Vice-Chancellor  
Bangabandhu Sheikh Mujibur Rahman Agricultural University  
Bangladesh  
Tel: +8801715401443 / Email: [giash1960@gmail.com](mailto:giash1960@gmail.com)

#### Bhutan

Mr Saran Pradhan (nFP Alternate and SPG Member Alternate)  
Principal Forestry Officer  
Department of Water  
Ministry of Energy and Natural Resources  
Bhutan  
Tel: +97517708559 / Email: [spradhan@moenr.gov.bt](mailto:spradhan@moenr.gov.bt); [saranpradhan2013@gmail.com](mailto:saranpradhan2013@gmail.com)

#### Cambodia

Mr Roath Sith (nFP)  
Assistant to the Ministry of Environment  
General Directorate of Environmental Knowledge and Information  
Ministry of Environment  
Cambodia  
Tel: +85589713696 / Email: [roathsith@gmail.com](mailto:roathsith@gmail.com)

Mr Uy Kamal (SPG Member)  
Deputy Director General  
General Directorate of Environmental Knowledge and Information  
Ministry of Environment  
Cambodia  
Tel: +85512283956 / Email: [kamaluy@hotmail.com](mailto:kamaluy@hotmail.com)

## China

Ms Dongyang Zhang (nFP Alternate)  
Coordinator  
Division of Global Environment  
The Administrative Center for China's Agenda 21  
China  
Tel: +86 13601021373 / Email: [zhangdy@acca21.org.cn](mailto:zhangdy@acca21.org.cn)

Prof. Wenjie Dong (SPG Member)  
Dean  
School of Atmospheric Sciences, Sun Yat-Sen University  
China  
Tel: +867568580 / Email: [dongwj3@mail.sysu.edu.cn](mailto:dongwj3@mail.sysu.edu.cn)

## Fiji

Dr Awnesh Singh (SPG Member)  
Acting Director  
Pacific Center for Environment and Sustainable Development  
The University of the South Pacific  
Fiji  
Tel. +679-9255305 / Email: [awnesh.singh@usp.ac.fj](mailto:awnesh.singh@usp.ac.fj), [awneshsingh@gmail.com](mailto:awneshsingh@gmail.com)

## India

Dr Hemant Prabhakar Borgaonkar (SPG Member)  
Visiting Scientist  
Indian Institute of Tropical Meteorology  
India  
Tel: +919960982796 / Email: [hemant@tropmet.res.in](mailto:hemant@tropmet.res.in), [hpborgaonkar@gmail.com](mailto:hpborgaonkar@gmail.com)

## Indonesia

Dr Mego Pinandito (nFP)  
Deputy for Policy Development  
National Research and Innovation Agency (BRIN)  
Indonesia  
Email: [mego001@brin.go.id](mailto:mego001@brin.go.id)

Dr Erna Sri Adiningsih (SPG Member)  
Executive Director  
Indonesian Space Agency Secretariat (INASA),  
National Research and Innovation Agency (BRIN)  
Indonesia  
Email: [rre001@brin.go.id](mailto:rre001@brin.go.id); [ernasri@yahoo.com](mailto:ernasri@yahoo.com)

## Japan

Ms Naoko Nakajima (nFP)  
 Director  
 Climate Change Science and Adaptation Office,  
 Global Environment Bureau, Ministry of the Environment  
 Japan  
 Tel: +81-3-5521-8242 / Email: [NAOKO\\_NAKAJIMA@env.go.jp](mailto:NAOKO_NAKAJIMA@env.go.jp)

Prof. Kensuke Fukushi (SPG Member)  
 Vice Director and Professor  
 Institute for Future Initiatives,  
 The University of Tokyo  
 Japan  
 Tel: +81-3-58411542 / Email: [fukushi@ifi.u-tokyo.ac.jp](mailto:fukushi@ifi.u-tokyo.ac.jp), [ken.fukushi@gmail.com](mailto:ken.fukushi@gmail.com)

## Lao People's Democratic Republic

Dr Virasith Phomsouvanh (SPG Member)  
 Deputy Director  
 Remote Sensing and Information Division  
 Natural Resources and Environmental Statistics and Research Institute  
 Ministry of Natural Resources and Environment  
 Lao PDR  
 Tel: +856-2056254949 / Email: [phvirasith@gmail.com](mailto:phvirasith@gmail.com)

## Malaysia

Mr Ambun Dindang (nFP Alternate)  
 Deputy Director General (Strategic and Technical)  
 Malaysian Meteorological Department,  
 Ministry of Natural Resources and Environmental Sustainability (NRES)  
 Malaysia  
 Tel: +603 79678003 / Email: [ambun@met.gov.my](mailto:ambun@met.gov.my)

Mr Diong Jeong Yik (SPG Member)  
 Senior Assistant Director  
 Research and Technical Development Division,  
 Malaysian Meteorological Department  
 Malaysia  
 Tel: +60162848186 / Email: [diong@met.gov.my](mailto:diong@met.gov.my)

## Mongolia

Dr Tsogtbaatar Jamsran (SPG Member)  
 Director (retired)  
 Research Institute of Geo-ecology, Mongolian Academy of Sciences  
 Mongolia  
 Email: [tsogtbaatar2014@gmail.com](mailto:tsogtbaatar2014@gmail.com)

## **Nepal**

Mr Rabindra Maharjan (nFP Alternate)  
Officiating Director General  
Forest Research & Training Centre  
Nepal  
Tel: +977-01-5333510 / Email: [maharjanrabi@gmail.com](mailto:maharjanrabi@gmail.com)

Dr Madan Lall Shrestha (SPG Member)  
Academician  
Nepal Academy of Science and Technology  
Nepal  
Tel: +9779851041403 / Email: [madanls1949@gmail.com](mailto:madanls1949@gmail.com)

## **New Zealand**

Dr Douglas P. Hill (nFP and SPG Member)  
Associate Professor  
School of Geography University of Otago  
Dunedin, New Zealand  
Tel: +64 3 479 8775 / Email: [dph@geography.otago.ac.nz](mailto:dph@geography.otago.ac.nz)

## **Philippines**

Ms Maria Lourdes G. Ferrer (SPG Member/nFP Alternate)  
Director  
Ecosystems Research and Development Bureau (ERDB)  
UPLB College of Forestry  
Philippines  
Email: [odir.erdb@gmail.com](mailto:odir.erdb@gmail.com)

## **Republic of Korea**

Dr Soojeong Myeong (SPG Member)  
Senior Research Fellow  
Korea Environment Institute  
Republic of Korea  
Tel: +821083150350 / Email: [sjmyeong@kei.re.kr](mailto:sjmyeong@kei.re.kr)

## **Sri Lanka**

Ms Wasantha Geethanjali Kumaragama (nFP Alternate)  
Additional Secretary  
Environment Projects & Education Training,  
Ministry of Environment  
Sri Lanka  
Tel. +94-773429573 / Email: [anjali2017nil@gmail.com](mailto:anjali2017nil@gmail.com);  
[adlsecep@env.gov.lk](mailto:adlsecep@env.gov.lk)

Ms Preethika Jayakody (SPG Member Alternate)  
Deputy Director  
Climate Change Studies and Research Division,  
Department of Meteorology  
Sri Lanka  
Tel: +94714402908 / Email: [madhaweej@yahoo.com](mailto:madhaweej@yahoo.com)

## **Thailand**

Dr Monthip Sriratana (nFP)  
Senior Adviser  
National Research Council of Thailand  
Thailand  
Tel: +66818740447 / Email: [monthip2007@gmail.com](mailto:monthip2007@gmail.com)

## **Viet Nam**

Associate Prof. Kim Chi Ngo (SPG Member)  
Head of Research  
Development Department on Natural Resource Processing and Environmental Protection  
Institute of Natural Products Chemistry  
Vietnam Academy of Science and Technology  
Viet Nam  
Tel: +84-4-37912731 / Email: [chikimngo2008@gmail.com](mailto:chikimngo2008@gmail.com)

## **Invited Experts**

Dr Yuji Masutomi (CDC Member)  
Section Head  
Center for Climate Change Adaptation,  
National Institute for Environmental Studies  
Japan  
Tel: +81-29-850-2438 / Email: [masutomi.yuji@nies.go.jp](mailto:masutomi.yuji@nies.go.jp)

Mr Subramaniam Moten (SPG Member)  
Director (retired)  
Research Division  
Malaysian Meteorological Department  
Malaysia  
Tel: +60126552774 / Email: [subramoten@gmail.com](mailto:subramoten@gmail.com)

Mr Kinzang Namgay (CDC Member)  
Deputy Chief Officer  
Department of Water, Royal Civil Service Commission,  
Ministry of Energy and Natural Resources  
Bhutan  
Tel: +975-17505208 / Email: [kinzangn@moenr.gov.bt](mailto:kinzangn@moenr.gov.bt); [kuennamgyel78@gmail.com](mailto:kuennamgyel78@gmail.com)

Prof. Juan Pulhin (CDC Member)  
Professor, University of the Philippines Los Baños (UPLB)  
Chair, UPLB Interdisciplinary Studies Center for Integrated Natural Resources and Environment  
Management  
Academician, National Academy of Science and Technology (NAST)  
Philippines  
Tel: +63-49-536-3493 / Email: [jmpulhin@up.edu.ph](mailto:jmpulhin@up.edu.ph)

Dr Sangam Shrestha (SPG Member)  
Dean, School of Engineering & Technology (SET)  
Co-Director, Global Water & Sanitation Center (GWSC)  
Professor, Water Engineering and Management (WEM)  
Asian Institute of Technology (AIT)  
Thailand  
Email: [sangam@ait.asia](mailto:sangam@ait.asia)

## Observers

Mr Reo Kawamura  
Director  
Environmental Policy and Regional Knowledge Centre for Marine Plastic Debris (RKC-MPD)  
Environment Unit  
Economic Research Institute for ASEAN and East Asia (ERIA)  
Indonesia  
Tel: +62-081119907218 / Email: [reo.kawamura@eria.org](mailto:reo.kawamura@eria.org)

Dr Takuya Nomoto  
First Secretary  
Embassy of Japan in Indonesia  
Indonesia  
Tel: +62-812-8716-2073 / Email: [takuya.nomoto@mofa.go.jp](mailto:takuya.nomoto@mofa.go.jp)

Ms Ayushmita Pokhrel  
Research Associate  
Center of Research for Environment, Energy and Water (CREEW)  
Nepal  
Tel: +977-9843743855 / Email: [stoda\\_pokh@yahoo.com](mailto:stoda_pokh@yahoo.com)

## APN Secretariat Staff

4th Floor, East Building  
Japan  
Tel: +81-78-230-8017

Dr Linda Anne Stevenson, Acting Director  
Email: [l Stevenson@apn-gcr.org](mailto:l Stevenson@apn-gcr.org)

Dr Hiroaki Shibuya, Deputy Director  
Email: [hshibuya@apn-gcr.org](mailto:hshibuya@apn-gcr.org)

Ms Mia Aranas, Programme Officer  
Email: [maranas@apn-gcr.org](mailto:maranas@apn-gcr.org)

Mr Yukihiro Imanari, Programme Advisor  
Email: [yimanari@apn-gcr.org](mailto:yimanari@apn-gcr.org)

Dr Nafesa Ismail, Senior Programme Officer  
Email: [nismail@apn-gcr.org](mailto:nismail@apn-gcr.org)

Ms Aiko Seki, Programme Officer  
Email: [aseki@apn-gcr.org](mailto:aseki@apn-gcr.org)

Ms Rieko Tamura, Chief Programme Officer  
Email: [rtamura@apn-gcr.org](mailto:rtamura@apn-gcr.org)

Ms Naomi Young, Programme Officer  
Email: [nyoung@apn-gcr.org](mailto:nyoung@apn-gcr.org)



## The 26th Joint Intergovernmental Meeting/ Scientific Planning Group Meeting

13-14 June 2024, Jakarta, Indonesia

# Collaborative Regional Research Programme (CRRP) proposals approved for funding in FY2024

The Steering Committee, at its 54th meeting on 12 June 2024, approved the funding for ten proposals from the Collaborative Regional Research Programme (CRRP), as listed below.

1. **CRRP2023-FP01-Kim:** Fire risk mapping and projection in the Asia-Pacific region based on big data and artificial intelligence technique
2. **CRRP2023-FP02-Xue:** Enhancing the science-policy interface to manage microplastic influx from major cities into the oceans in Southeast Asia
3. **CRRP2023-FP03-Wan Mohd Jaafar:** Assessing urban heat islands in Southeast Asia megacities: An integrated study of land use, climate change and heatwave occurrences
4. **CRRP2023-FP06-Le:** Evaluation of nature-based solutions for the enhancement of urban water security in South-East Asian cities
5. **CRRP2023-FP08-Kanniah:** Mapping, tracking and identifying the emission sources of PM<sub>2.5</sub> using multiple satellite sensors and assimilated ground observations for health risk assessment in Southeast Asia
6. **CRRP2023-FP09-Siswanto:** Harnessing Earth Observation (EO) to enhance decision-making for Eutrophication and Harmful Algal Bloom (EuHAB) impact mitigation and adaptation
7. **CRRP2023-FP10-Pradhananga:** Enhancing climate resilience in South Asia and China: Predicting precipitation shifts and their impacts for disaster risk reduction and resource security
8. **CRRP2023-FP13-Ngo:** Strengthening food security via strategic agricultural water management: A case study on assessing water demand from high-resolution SAR remote sensing for enhanced operational plans in water works systems of Vietnam and Cambodia
9. **CRRP2023-FP15-Zhu:** Benzotriazole UV-328 in marine plastic debris in typical Southeast Asia countries
10. **CRRP2023-FP16-Setyawan:** Adapting the impact of land use and climate change through Smart Irrigation Water Management to support food security (SIWAMA)



## The 26th Joint Intergovernmental Meeting/ Scientific Planning Group Meeting

13-14 June 2024, Jakarta, Indonesia

### Scientific Capacity Development Programme (CAPaBLE) proposals approved for funding in FY2024

The Steering Committee, at its 54th meeting on 12 June 2024, approved the funding of seven proposals from the Scientific Capacity Development Programme (CAPaBLE), as listed below.

1. **CBA2023-FP02-Xie:** Research-based capacity building for advancing urban nature governance in China for climate resilience and ecosystem restoration
2. **CBA2023-FP07-Gupta:** Integrating climate and biodiversity priorities into urban planning through capacity building – Advancing a collaborative approach for urban planners and forest officials in Assam, India
3. **CBA2023-FP08-Ho Van:** Promoting adoption of circular economy in agriculture for sustainable development in northern mountainous region of Vietnam
4. **CBA2023-FP10-Santiago:** Bridging academic researcher and vulnerable island communities in the Philippines – Enhancing capacities for climate and disaster risk management in low-income municipalities in Batanes, Philippines
5. **CBA2023-FP11-Leong:** Co-developing nutrient thresholds in submarine groundwater discharge – An integrated transdisciplinary and capacity development project towards safeguarding the future of coral reefs in the Pacific region
6. **CBA2023-FP14-Neupane:** Empowering communities – Visualising of citizen science contributions in disaster risk reduction (CSDRR)
7. **CBA2023-FP16-Flores:** LEAD41PH (Leadership for Environmental Action and Development through Foresight-One-Planetary Health) – A multi-stakeholder capacity building on policy and practice for sustainable use of aquatic resources integrating Foresight-One-Planetary Health approach



## The 26th Joint Intergovernmental Meeting/ Scientific Planning Group Meeting

13-14 June 2024, Jakarta, Indonesia

### Item 13. Action points of the 26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting

Agenda Item	Action Point No.	Action Point	Further Action by
Item 1. Approval of the draft agenda and items of any other business	1	The IGM approved the draft agenda presented.	-
Item 2. Report from the Steering Committee and the Secretariat	2	The IGM confirmed the report from the Steering Committee, presented by the Chairperson of the Steering Committee.	-
Item 3. APN 5th Strategic Phase mid-term evaluation report	3	The IGM is to review the draft mid-term evaluation report and discuss it further the following day under "Item 8: APN 5th Strategic Phase mid-term evaluation report".	IGM
Item 4. Subregional parallel sessions	-	-	-
Interactive Session I: APN book launch - Climate Change Adaptation, Disaster Risk Reduction, and Loss and Damage	-	-	-
Interactive Session II: 10th APN early career professional poster and networking session on climate change adaptation and disaster risk reduction	-	The Mitra Awardee for "Interactive Session II: 10th APN Early Career Professional Poster and Networking Session on Climate Change Adaptation and Disaster Risk Reduction" was announced. Dr Nurrohman Wijaya from the Bandung Institute of Technology received the Mitra Award for his poster titled "A Proposed Framework for Integrating Climate Change Adaptation and Disaster Risk Reduction into Spatial Planning in Indonesia".	-
Evening reception with buffet and refreshments	-	-	-
Item 5. Scientific Planning Group report including topics of interest for FY 2024	4	The IGM noted the report of the Scientific Planning Group on the funding of USD 678,897 for 10 CRRP proposals in FY 2024.	-
	5	The IGM took note of the newly elected members of the Scientific Planning Group Sub-Committee as follows:	-

and recommendations for funding under the Collaborative Regional Research Programme (CRRP) reported by the SPG Co-Chairpersons Prof. Wenjie Dong and Dr Awnesh Singh		<ul style="list-style-type: none"> <li>● Dr Awnesh Singh, SPG member for Fiji</li> <li>● Prof. Md. Giashuddin Miah, SPG member for Bangladesh</li> <li>● Dr Douglas Hill, nFP and SPG member for New Zealand</li> <li>● Mr Diong Jeong Yik, SPG member for Malaysia</li> <li>● Dr Kim Chi Ngo, SPG member from Vietnam</li> </ul>	
	6	The IGM confirmed that the Secretariat will continue to share information on newly awarded projects with nFPs and SPG members of the project leader's country and the country where the project will be conducted.	Secretariat
	7	The IGM requested SPG members to reconfirm with their nFPs on projects conducted within their respective countries or led by project leaders from their countries.	SPG
Item 6. Capacity Development Committee report including topics of interest for FY 2024 and recommendations for funding under the Capacity Development Programme (CAPaBLE) reported by the SPG Co-Chairpersons Prof. Wenjie Dong and Dr Awnesh Singh	8	The IGM noted the Capacity Development Committee report on the funding of USD 321,103 for 7 CAPaBLE proposals in FY 2024.	-
Item 7. Report from the subregional committees (Pacific, South Asia, Southeast Asia, Temperate East Asia) followed by discussion	9	<p>The IGM approved the reports from the subregional committees of the Pacific, South Asia, Southeast Asia and Temperate East Asia, including the election of the Chair and Vice-Chair for each committee as follows:</p> <p>P-SRC</p> <ul style="list-style-type: none"> <li>● Chair: Dr Awnesh Singh, SPG member for Fiji</li> <li>● Vice-Chair: Dr Douglas Hill, nFP and SPG member for New Zealand</li> </ul> <p>SA- SRC</p> <ul style="list-style-type: none"> <li>● Chair: Mr Iqbal Abdullah Harun, nFP for Bangladesh</li> <li>● Vice-Chair: Mr Tenzin Khorlo, nFP for Bhutan</li> </ul> <p>Southeast Asia</p> <ul style="list-style-type: none"> <li>● Chair: Dr Erna Sri Adiningsih, SPG member for Indonesia</li> <li>● Vice-Chair: Dr Kim Chi Ngo, SPG member for Vietnam</li> </ul> <p>Temperate East Asia</p> <ul style="list-style-type: none"> <li>● Chair: Dr Kensuke Fukushi, SPG member for Japan</li> <li>● Vice-Chair: Dr Soojeong Myeong, SPG member for the Republic of Korea</li> </ul>	-
	10	The IGM acknowledged the willingness of the nFP alternate for Malaysia to host the 14th Southeast Asia Subregional Committee meeting, subject to funding approval by the appropriate	nFP for Malaysia, Secretariat

		authorities, and noted that further communication will be maintained between the nFP for Malaysia and the Secretariat.	
Interactive Session III: BRIN - Climate Change, Disaster Resilience, and Environmental Problems in Coastal Areas	-	-	-
Item 8. APN 5th Strategic Phase mid-term evaluation report	11	The IGM approved the proposal by the Steering Committee for the current members to continue developing the mid-term evaluation report and complete it by late July or early August.	-
Item 9. Future Strategic Development of APN - Discussion on the future strategic development of APN with a focus on membership and financial capability	12	The IGM agreed to continue discussions on the following topics: <ul style="list-style-type: none"> <li>● Co-funding strategies and mechanisms</li> <li>● Showcasing APN projects to highlight their impact and relevance to development agencies, such as the Asian Development Bank.</li> </ul>	IGM Secretariat
Item 10: New activities for FY 2024	13	The IGM noted the planned new activities for FY 2024.	-
Item 11: Approved work programme and budget for FY 2024	14	The IGM noted the work programme and budget approved for FY 2024.	-
Item 12: Confirmation of the members of the new Steering Committee (2024-2026) and vote of thanks to outgoing Steering Committee members (2022-2024)	15	<p>The IGM confirmed the following new and continuing members to serve on the Steering Committee for a two-year term ending in June 2024 (representatives from donor countries hold permanent positions).</p> <p>P-SRC appointed members</p> <ul style="list-style-type: none"> <li>● Dr Douglas Hill, nFP and SPG member for New Zealand</li> </ul> <p>SA-SRC appointed member</p> <ul style="list-style-type: none"> <li>● Mr Iqbal Abdullah Harun, nFP for Bangladesh</li> </ul> <p>SEA-SRC appointed members</p> <ul style="list-style-type: none"> <li>● Mr Muhammad Helmi Abdullah, nFP for Malaysia</li> <li>● Dr Monthip Sriratana Tabucanon, nFP for Thailand</li> </ul> <p>TEA-SRC appointed members</p> <ul style="list-style-type: none"> <li>● Dr Xiaofeng Fu, nFP for China</li> <li>● Prof. Andrey Adrianov, nFP for the Russian Federation</li> </ul> <p>Scientific Planning Group Co-Chairpersons</p> <ul style="list-style-type: none"> <li>● Prof. Md. Giashuddin Miah, SPG member for Bangladesh</li> <li>● Dr Awnesh Singh, SPG member for Fiji</li> </ul> <p>Donor country representatives</p> <ul style="list-style-type: none"> <li>● Ms Naoko Nakajima, nFP for Japan</li> <li>● Mr Lee Hyung Sup, nFP for the Republic of Korea</li> </ul>	-

		<ul style="list-style-type: none"> <li>• Dr Douglas Hill, nFP and SPG member for New Zealand</li> </ul>	
	16	<p>The IGM confirmed the following outgoing members of the Steering Committee, who served from 2022 to 2024, and expressed gratitude for their service.</p> <ul style="list-style-type: none"> <li>• Mr Rajendra KC</li> <li>• Mr Muhammad Azim Khoso</li> <li>• Mr Virasack Chundara</li> <li>• Dr Tserendulam Shagdarsuren</li> <li>• Mr Krishan Pratap</li> <li>• Prof. Wenjie Dong</li> <li>• Dr Lance Heath</li> </ul>	-
Item 13: Action points of the 26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting	-	-	-
Item 14: Any other business and closing	-	-	-

## Section 2

# **Welcome and Opening Remarks**

# Opening Remarks by Prof. Amarulla Octavian, Vice Chairman of the National Research and Innovation Agency of Indonesia (BRIN)

Assalamualaikum Warahmatullahi Wabarakatuh,  
Very good morning,

Distinguished Members of APN, Ladies and Gentlemen,

I am honoured to be speaking today at this esteemed event organised by BRIN and the Asia-Pacific Network for Global Change Research (APN). As the Vice Chairman of the National Research and Innovation Agency (BRIN), I am proud to share our achievements and collaborations in addressing the challenges of global change and sustainability.

As the host of the 26<sup>th</sup> APN Intergovernmental Meeting in Jakarta, I would like to express our sincere appreciation to all delegates and the APN Secretariat team for making this meeting happen and welcome to Indonesia.

I would like to highlight our research and innovation programs in Indonesia.

BRIN, as the National Research and Innovation Agency, was established in 2021, by integrating the Ministry of Research and Technology and several research institutions. Today, BRIN comprises 12 Research Organisations and 85 Research Centers, covering a wide range of research and innovation areas. With a total of 15,000 employees, including approximately 9,000 researchers, BRIN manages numerous research facilities and maintains an open platform policy for laboratories to be utilised not only by its own researchers but also by universities and industries. As such, the Indonesian government, through BRIN, is committed to conducting research related to global change, focusing not only on resulting scientific products but also on developing science-based policies.

We took note that over the past year, APN has successfully completed 24 projects, implemented by 158 individuals, including project leaders and collaborators. This demonstrates regional commitment to empowering early-career professionals and fostering a collaborative environment.

In this context, BRIN, with numerous researchers working across various topics including hard sciences, soft sciences, and cross-cutting issues, can serve as a significant resource that can be further enhanced through international research collaborations, including those with the APN.

I would like to highlight that several APN research topics are highly relevant to Indonesia's research priorities, including the SEACLID/CORDEX Southeast Asia project. This project enhances climate projections for Southeast Asia's diverse and complex climate dynamics, significantly bolstering localised climate projections and adaptation efforts in the region.

Other successful APN project such as in Regional-CES project, facilitated stakeholder discussion and engagement initiatives have been instrumental in promoting sustainable development, including sustainable resource management, urban-rural partnerships, and circularity principles.

In addition to global issues such as climate change and its impacts, Indonesia also puts priorities in disaster resilience, water resources, energy resources, food security, environmental degradation, and social economic aspects. Indonesia hosted the 10<sup>th</sup> World Water Forum in Bali from May 18-25, 2024, demonstrating the significant attention given to water resources in the country. Therefore, Indonesia will continue our commitment to support and contribute to APN collaborative research activities.

In conclusion, I would like to emphasise the importance of enhancing and promoting regional research collaboration and knowledge sharing in addressing the challenges of global change and sustainability.

APN research and capacity development initiatives have demonstrated its commitment to empowering early-career professionals and fostering a collaborative environment. In this regard, Indonesia offers and opens opportunities for research collaborations within the APN framework through funding schemes named "Research and Innovation Funding for Advanced Indonesia" (RIIM) and visiting researchers to conduct research in Indonesia, with co-funding support from the Indonesian Government and APN funding. This collaborative pattern helps address some of the challenges faced in international research, particularly the limitation of funding resources.

Apart of that, Indonesia views that research funding, which has largely relied on government support until now, needs to be encouraged to involve industries in research in the future. Consequently, research is not only conducted to produce scientific outputs and policy recommendations, but also to address concrete problems and have a direct impact on the economy.

I am confident that our continued efforts will lead to significant breakthroughs and improvements in the region.

I hope that you enjoy staying in Jakarta and have fruitful discussion to come up with better research collaboration in global change fields in the region.

Thank you for your attention, and I look forward to our continued collaboration in addressing the pressing issues of our time.

# Opening Remarks by Dr Linda Anne Stevenson, Acting Director of the APN Secretariat

Prof. Amarulla Octavian, Vice-Chairman of the National Research And Innovation Agency, BRIN; National Focal Point for Indonesia, Dr. Mego Pinandito, Deputy for Development Policy, BRIN; Scientific Planning Group Member for Indonesia, Dr. Erna Sri Adiningsih, Executive Director, Indonesian Space Agency Secretariat (INASA), BRIN; National Focal Points for APN Member Countries; Scientific Planning Group Members and Invited Experts, Representatives of partner organisations, distinguished guests, colleagues and friends.

Good morning and welcome to the 26th Intergovernmental Meeting of APN.

It brings me immense joy to stand before you today as we gather together for the first time in six years, uniting members, experts, and partners in person. This gathering celebrates our collective achievements and the resilience of our community.

As we embark on the deliberations over the next two days, let us reflect on the significance of our reunion. In a world that often feels disconnected, the power of coming together face-to-face fosters deeper understanding, collaboration, and innovation.

Our agenda is packed with opportunities to engage, learn, and grow. In addition to the 26th Intergovernmental deliberations, the Secretariat will officially launch its book on “Climate Change Adaptation, Disaster Risk Reduction, and Loss and Damage.” In addition, a session will bring together 11 early career professionals from Indonesia to present their research at APN’s 10th Poster and Networking session, with the best poster receiving the APN Mitra Award for Global Environmental Change. There will also be a ceremonial signing of Memoranda of Understanding between APN and AIT, and between APN and USP, to cement our collaborative work in Asia and the Pacific.

I encourage you to take full advantage of this time to connect with old friends, forge new partnerships, and explore possibilities for future collaboration.

Before we proceed, I want to honour the memory of our beloved Dr. Louie Tupas, who left this world in September 2023. Dr. Tupas served APN with unwavering dedication and ingenuity for more than 20 years. His contributions were invaluable, and his legacy will continue to inspire us all. Dr. Tupas once remarked, “Education is the key element and science does not become useful unless it reaches the people who need it.” These words resonate deeply with APN’s core values.

Allow me to provide a brief overview of APN. Established in 1996, APN is an intergovernmental network of 22 countries, originating from the US White House Conference on Science and Economics Research Related to Global Change in 1990. President George H. W. Bush's advocacy for collaboration in global change research laid the foundation for APN's inception.

Since its establishment in 1996, APN has evolved into a leading platform dedicated to addressing global change and sustainability challenges. By fostering international collaboration, APN supports research action, bridges science and policy, and builds scientific capacity. Over almost 30 years, these efforts have created impactful solutions for pressing environmental issues, effectively linking scientific outcomes with policy mechanisms and enhancing the capacities of early career professionals, policymakers, practitioners, and local communities.

As we gather here in beautiful Indonesia, united in purpose and vision, let us reaffirm our commitment to the principles that define APN. Let us honour the legacy of Dr. Louie Tupas and all

those who have contributed to our journey by rededicating ourselves to the pursuit of policy-relevant knowledge in global change research and sustainability.

Both triumphs and challenges have marked our journey over the past six years since we last met in person, but our commitment to excellence and progress has remained unwavering. Together, we have achieved remarkable milestones, and I am confident that our best days lie ahead. Let us celebrate our past achievements and lay the groundwork for a better future.

Again, I extend my warmest welcome to each and every one of you. Thank you for being here today, and thank you for your support of our shared vision. Together, we will continue to achieve greatness.

# Memorial Service for Dr Luis Tupas

A memorial segment was held at the Opening of the 26th Intergovernmental Meeting, in Jakarta, Indonesia, to honour the life and legacy of Dr Luis M. Tupas, who passed away in August 2023.

Dr Tupas, affectionately known as “Louie”, was a key figure in the establishment and evolution of the Asia-Pacific Network for Global Change Research (APN). His long-standing dedication and visionary leadership significantly shaped the network’s operations, programmes and strategic direction.

Dr Tupas began his engagement with APN in 2006, initially serving as the Scientific Planning Group Member (SPG) for the United States of America and later as the national Focal Point. His contributions were both substantive and far-reaching, marked by active participation in various institutional committees. He held numerous leadership roles, including chair and vice-chair positions, where he provided guidance and direction with clarity and resolve.

From 2007 to 2011, he was a member of the SPG Sub-Committee, laying the foundational work for future initiatives. In 2009, he served as the Coordinating Lead Reviewer of the Lead Evaluation Team, demonstrating his commitment to upholding the highest standards of scientific integrity. His efforts in 2013 to lead a special task focused on streamlining the proposal review process resulted in greater efficiency and transparency in APN’s funding mechanism.

Between 2013 and 2015, Dr Tupas co-chaired the SPG while simultaneously serving on the Steering Committee, the Capacity Development Committee and a Task Force responsible for drafting several key strategic reports. From 2015 to 2017, he continued his dual service as national Focal Point and SPG member, reflecting his unmatched ability to balance multiple responsibilities while maintaining excellence in each.

His leadership extended into the latter part of the decade. Dr Tupas served as Vice-Chair of the Joint Intergovernmental Meeting/Scientific Planning Group Meetings in 2016 and 2018. Between 2019 and 2021, he played a pivotal role in formulating strategic plans that laid the groundwork for APN’s future trajectory. His final formal roles in APN included Chair of both the Steering Committee and the Pacific Subregional Committee from 2021 to 2022—positions through which he set high standards of leadership and collaboration.

The enduring legacy of Dr Luis Tupas is defined by his passion, commitment and deep sense of service to APN and the broader global change community. His impact will be remembered and celebrated for years to come.

Following the tribute, the meeting invited the following individuals to share personal reflections and memories of Dr Tupas:

- Dr Madan Shrestha
- Prof. Erna Sri Adiningsih
- Dr Awnesh Singh

In remembrance, a guest book was made available outside the auditorium. Participants were encouraged to sign and leave written messages or memories, which will be compiled and respectfully delivered to Dr Tupas's family following the conclusion of the meeting.

The memorial segment concluded with a moment of silence, inviting all present to reflect on Dr Tupas's profound contributions and to honour his memory with gratitude and reverence.

## Section 3

# **Main Item Papers**



## 26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting

Jakarta, Indonesia, 13-14 June 2024

### Draft Agenda of the 26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting

Thursday, 13 June 2024

9:00-9:05	Introduction and explanation of the opening session
9:05-9:20	High-level remarks from representatives from the National Research and Innovation Agency and the Ministry of Environment and Forestry
9:20-9:25	Welcome remarks from the Acting Director of the APN Secretariat
9:25-9:45	Memorial service for Dr Luis M Tupas
9:45-10:00	Group Photograph
10:00-1:30	<i>Break</i>
10:30-10:40	Election of the Chairperson and Vice-Chairperson of the 26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting
10:40-10:50	Item 1. Adoption of the agenda and items of any other business
10:50-11:30	Item 2. Report from the Steering Committee and the Secretariat <ul style="list-style-type: none"> <li>● 10:50-11:15 Activities since the 25th Intergovernmental Meeting</li> <li>● 11:15-11:30 Financial Status since the 25th Intergovernmental Meeting</li> </ul>
11:30-12:00	Item 3. APN 5th Strategic Phase mid-term evaluation report <ul style="list-style-type: none"> <li>● Distribution of the report and brief presentation</li> <li>● Discussion on next steps and approval</li> </ul>
12:00-13:00	<i>Lunch</i>
13:00-15:00	Item 4. Subregional parallel sessions <ul style="list-style-type: none"> <li>● South Asia subregional parallel session</li> <li>● Southeast Asia subregional parallel session</li> <li>● Temperate East Asia subregional parallel session</li> <li>● Pacific subregional parallel session</li> </ul>
15:00-15:30	<i>Break</i>

- 15:30-16:30 Interactive session I: APN book launch - Climate Change Adaptation, Disaster Risk Reduction, and Loss and Damage
- 16:30-17:30 Interactive session II: 10th APN early career professional poster and networking session on climate change adaptation and disaster risk reduction
- 17:30-19:00 Evening reception with buffet and refreshments
- 18:10-18:35 The Mitra Award is presented for the winning poster and early career professional
  - 18:35-18:45 APN Early Career Professional Network (APN ECAP)
  - 18:45-19:00 Ceremonial memorandum of understanding signing between APN-AIT and APN-USP

**Friday, 14 June 2024**

- 8:30-09:00 Item 5. Scientific Planning Group report including topics of interest for 2024 and recommendations for funding under the Collaborative Regional Research Programme (CRRP) reported by the SPG Co-Chairpersons Prof. Wenjie Dong and Dr Awnesh Singh
- 9:00-9:30 Item 6. Capacity Development Committee report including topics of interest for 2024 and recommendations for funding under the Capacity Development Programme (CAPaBLE) reported by the SPG Co-Chairpersons Prof. Wenjie Dong and Dr Awnesh Singh
- 9:30-10:10 Item 7. Report from the subregional committees (Pacific, South Asia, Southeast Asia, Temperate East Asia) followed by discussion
- 10:10-10:30 *Break*
- 10:30-11:40 Interactive Session III: BRIN - Climate Change, Disaster Resilience, and Environmental Problems in Coastal Areas
- 11:40-12:10 Item 8. APN 5th Strategic Phase mid-term evaluation report
- 12:10-13:10 *Lunch*
- 13:10-14:10 Item 9. Future Strategic Development of APN - Discussion on the future strategic development of APN with a focus on membership and financial capability
- 14:10-14:40 Item 10: New activities for 2024
- 14:40-15:00 Item 11: Approved work programme and budget for fiscal year 2024
- 15:00-15:20 *Break*
- 15:20-15:40 Item 12: Confirmation of the members of the new Steering Committee (2024-2026) and vote of thanks to outgoing Steering Committee members (2022-2024)
- 15:40-16:20 Item 13: Action points of the 26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting
- 16:20-16:30 Item 14: Any other business and closing



**26th Joint Intergovernmental Meeting and  
Scientific Planning Group Meeting**  
13-14 June 2024, Jakarta, Indonesia

Item 2 of the draft agenda<sup>1</sup>

## **Item 2. Report from the Steering Committee and the Secretariat (Activities since the 25th Intergovernmental Meeting)**

### **1. Change of Members and Secretariat Staff**

#### **National Focal Point (nFP)**

- Fiji: Mr Kushaal Raj, Ministry of Economy (July 2022)
- Japan: Mr Genichiro Tsukada (July 2022)
- China: Dr Xiaofeng Fu, Ministry of Science and Technology (July 2022)
- Fiji: Mr Krishan Pratap, Ministry of Economy (August 2022)
- Nepal: Mr Yam Prasad Pokharel, Forest Research and Training Centre (November 2022)
- Pakistan: Mr Muhammad Azim Khoso, Ministry of Climate Change (January 2023)
- Republic of Korea: Mr Chung Kyeong Wha, Ministry of Environment (February 2023)
- Australia: Mr Andrew McNee, Department of Climate Change, Energy, the Environment and Water (March 2023)
- Vietnam: Mr Le Ngoc Tuan, Ministry of Natural Resources and Environment (March 2023)
- Republic of Korea: Mr Hyungsup Lee, Ministry of Environment (April 2023)
- Japan: Ms Naoko Nakajima, Ministry of the Environment (July 2023)
- Sri Lanka: Mr B.K.Prabhath Chandrakeerthi, Ministry of Environment (April 2024)
- Nepal: Dr Rajendra K.C., Forest Research and Training Centre (April 2024)

#### **Scientific Planning Group member (SPG member)**

- Philippines: Ms Maria Lourdes G. Ferrer, Department of Environment and Natural Resources (July 2022)
- Pakistan: Mr Muhammad Arif Goheer, Global Change Impact Studies Centre (October 2022)
- Malaysia: Mr Diong Jeong Yik, Malaysian Meteorological Department, Ministry of Natural Resources and Environmental Sustainability (January 2024)

#### **Scientific Planning Group Sub-Committee member**

- Prof. Md. Giashuddin Miah, SPG member for Bangladesh (December 2023)

#### **Capacity Development Committee**

<sup>1</sup> IGM/26/1.

- Mr Dawa Yoezer, Deputy Chief Forestry Officer, Water Resources Planning and Monitoring Division, Department of Water, Ministry of Energy and Natural Resources, Bhutan (November 2023)

### **Secretariat**

- Ms Naomi Young, Programme Officer (August 2022)
- Mr Ryuji Tomisaka, Director (October 2022)
- Ms Mia Aranas, Programme Officer (January 2024)
- Dr Linda Anne Stevenson, Acting Director (April 2024)
- Dr Hiroaki Shibuya, Deputy Director (April 2024)
- Ms Mami Oda, Head of Administrative Affairs (April 2024)

## **2. Stakeholder Engagement and APN Activities**

### **2.1 Stakeholder Engagement**

#### **2.1.1 Alliance of International Science Organizations (ANSO)**

At its 50th meeting in July 2022, the Steering Committee (SC) requested a legal review of the draft Memorandum of Understanding (MOU) for collaboration between ANSO and APN. In September 2022, the SC approved the MOU after Dr Kenji Asakawa, Programme Manager at City Taskforce and legal expert at IGES, reviewed it. The MOU was signed in March 2023.

#### **2.1.2 The North Pacific Marine Science Organization (PICES)**

The draft Framework of Collaboration, prepared by a Study Group with members from APN and PICES, was presented at the 2022 PICES Annual Meeting in Busan, Republic of Korea, in October 2022 and approved by the PICES Governing Council Meeting. Subsequently, APN endorsed the draft Framework in December 2022.

The Secretariats of APN and PICES are discussing the following steps, including exploring possible collaborations by exchanging information on shared interests such as traditional and indigenous knowledge in marine ecosystem management, marine plastic debris, bioindicators, downscaling climate models for the Pacific, and enhancing science communication and science-policy linkages.

Discussions are underway regarding the participation of PICES in the Pacific Scoping Workshop and Proposal Development Training Workshop (PDTW), which will be organised by APN and the University of the South Pacific (USP) in August 2024.

#### **2.1.3 Asian Institute of Technology (AIT)**

In February 2024, APN signed a MOU with the Asian Institute of Technology (AIT) to drive collaboration in addressing global and societal challenges by connecting science with policy, and to contribute to the sustainable development of the Asia-Pacific region. The partnership strives to advance sustainability in the region through joint workshops, research support, expert exchanges,

proposal development, joint publications and capacity development for early career professionals (ECPs).

#### **2.1.4 The University of the South Pacific (USP)**

In February 2024, APN signed an MOU with the University of the South Pacific (USP) to achieve common objectives related to addressing global change and sustainability challenges, thereby contributing to the sustainable development of the Asia-Pacific region. Activities include science-policy dialogues, joint events, regional research, capacity development, mutual event attendance, and other agreed-upon initiatives to achieve common goals.

#### **2.1.5 Asia-Pacific Climate Change Adaptation Information Platform (AP-PLAT)**

APN is a partner of the Asia-Pacific Climate Change Adaptation Information Platform (AP-PLAT), a platform dedicated to empowering science-based decision-making and implementing climate change adaptation strategies across the Asia-Pacific region. Through active support and collaboration, APN contributes to generating and sharing practical scientific knowledge and tools to facilitate effective decision-making and adaptation action in the region.

#### **2.1.6 UNFCCC**

##### **2.1.6.1 COP27**

The APN Secretariat attended the first week of UNFCCC COP27 and had the opportunity to chair, moderate, and present at two side events, including an event at the Japan Pavilion with AP-PLAT, Institute for Global Environmental Strategies (IGES) and the National Institute for Environmental Studies, Japan (NIES). The Secretariat also met with members and organisations, and attended a wide array of events where opportunities were presented to disseminate information on APN's annual call for proposals and a special publication on APN projects on linking climate change adaptation (CCA) with disaster risk reduction (DRR) and loss & damage (L&D). Please read the report [here](#).

##### **2.1.6.2 UNFCCC Adaptation Committee**

On 28-29 August 2023, the APN Secretariat presented at the UNFCCC Adaptation Committee event "Boosting Region-Wide Coherence on Adaptation". The event aimed to foster a shared understanding of ongoing region-wide adaptation efforts in the Asia-Pacific, identify collaborative solutions, pathways for greater synergies aligning with the global adaptation agenda and ways the UNFCCC Adaptation Committee can support these endeavours.

The APN presentation introduced the organisation, highlighting its extensive project portfolio in adaptation, resilience and scientific capabilities for agriculture. It explored common challenges and obstacles in adaptation coherence identified in these projects, underscoring the collaborative efforts of APN with stakeholders to overcome these barriers, enabling small communities to access innovative programs and strengthen their resilience to climate change.

Furthermore, the presentation underscored significant achievements, such as the 2020 knowledge

synthesis report on community-based adaptation and the inclusion of the APN Science Bulletin in the Elsevier SCOPUS database in July 2023. It also highlighted the impacts of APN projects, with over 100 publications from 60 projects cited in the IPCC Sixth Assessment Report.

### **2.1.6.3 UNFCCC SBSTA 60**

In June 2024, the APN Secretariat attended the 16th Meeting of the Research Dialogue at the UNFCCC SBSTA60 Conference in Bonn, Germany. The dialogue addressed the development of new nationally determined contributions, with transformations to low-emission development reflecting the outcomes of the first global stocktake.

APN also participated in the Experts Dialogue on Mountains and Climate Change, where regional discussions convened to share knowledge contributing to resilient mountain ecosystems and recommendations for scaling up adaptation solutions.

### **2.1.7 Global Biodiversity Information Facility (GBIF)**

In November 2022, the Global Biodiversity Information Facility (GBIF) held the “Asia Regional Engagement Meeting and Symposium on Open Science and Data Use”, an Asia regional engagement meeting and symposium at Chulalongkorn University, Thailand. The Secretariat attended the symposium and a closed roundtable held after. The round table discussed opportunities to raise awareness of the relevance of open biodiversity data in Asia, strengthen cooperation between regional initiatives, and integrate open biodiversity data practices across regional initiatives and funding streams. APN could contribute to strengthening cooperation with GBIF by encouraging the publication and use of GBIF-compliant open biodiversity data, raising awareness of GBIF through relevant meetings and workshops, and increasing the impact of APN’s recent priority on biodiversity and post-2020 Aichi targets.

### **2.1.8 Future Earth**

On 15 November 2023, the Secretariat introduced APN and its Call for Proposals at the joint Future Earth and Research Institute for Humanity and Nature (RIHN) School for Transdisciplinarity in Early-Career Researchers in Asia (TERRA). Sixteen early career researchers from nine Asia-Pacific countries received a targeted seminar on preparing proposals for successful funding.

On 21 November 2023, the Secretariat participated in the 3rd Future Earth Japan Summit 2023 at the Research Institute for Humanity and Nature in Japan. During the event, the Secretariat engaged in a brief discussion with Emeritus Prof. Kazuo Nadaoka, Co-Chair of the Future Earth Asia Committee, regarding the current structure and status of the Committee. The Secretariat expressed interest in becoming a member of the Committee in the hope of reinstating communication with Future Earth. Prof. Nadaoka explained that the Committee is still in its early stages, and both parties agreed to maintain open communication channels for future discussions.

On 20 May 2024, the Secretariat engaged in a meeting with Future Earth Japan Global Hub and discussed, among other things, APN being engaged as a consortium partner in the Expression of

Interest for the International Science Council Call for Mission Science, and Future Earth's Engagement a parallel session on "Partnerships for Sustainability" being hosted by APN at the upcoming IGES International Forum for Sustainable Development in Asia and the Pacific (ISAP2024) on 23 July 2024.

## **2.1.9 World Climate Research Programme**

### **2.1.9.1 WCRP Open Science Conference**

APN provided USD 40,000 to support the participation of ECPs from the Asia-Pacific region in the World Climate Research Programme's (WCRP) Open Science Conference (OSC) in Rwanda in October 2023. Through a rigorous selection process conducted by the WCRP selection committee and approved by APN, thirteen ECPs from eight member countries, i.e., Australia, Bangladesh, India, Indonesia, Japan, Nepal, Pakistan, and the Philippines, received funding. As a Gold sponsor, APN's logo was prominently displayed in all promotional materials for the OSC.

### **2.1.9.2 World Climate Research Programme's Joint Scientific Committee Meeting**

The APN Secretariat presented at the WCRP 45th Joint Steering Committee Meeting held in Lima, Peru. A key initiative presented was the Asia-Pacific Network of Early Career Professionals for Global Change Research (APN-ECAP), which empowers early career professionals in the region, and provides a platform for networking, idea-sharing and collective action. The presentation highlighted potential collaborations with WCRP, such as mutual promotion, co-hosting training workshops, and leveraging partnerships like the Himalayan University Consortium for localised NDCs. APN also discussed its ongoing projects with CORDEX and MAIRS-FE, emphasising regional climate downscaling and resilience against climate extremes.

## **2.1.10 Sustainable Mekong Research Network**

In collaboration with the Stockholm Environment Institute (SEI) and their Sustainable Mekong Research Network (SUMERNET), APN was invited to present the Call for Proposals to researchers from Lao PDR virtually. Mr Virasith Phomsouvanh (SPG member for Lao PDR) introduced APN and its Call for Proposals to 13 Lao PDR researchers from mixed career levels and participated in an open Q&A discussion with APN Secretariat representatives to answer targeted questions from the participants. The seminar provided specific emphasis on the high-priority sub-regional topics for 2023 in the Southeast Asian region, eligibility requirements, and the timeline for submissions.

## **2.1.11 IPBES Capacity Building Forum**

In May 2023, APN participated in the sixth IPBES Capacity-Building Forum in Kenya, attended by over 100 global participants. The event began with welcome remarks from Dr Vinod Mathur, Dr Dorothy Nyingi and Dr Esther N. Kioko. An interactive Mentimeter poll set the stage for an engaging programme. Dr Mathur introduced IPBES, its capacity building initiatives and the theme of "capacity development of youth."

A panel discussion on developing youth capacities emphasised science communication and interdisciplinary collaboration. The event featured a Word Cafe exhibition with various organisations, including APN, sharing their work in youth capacity building. Breakout sessions on ongoing IPBES assessments promoted interactive learning. The forum underscored APN's commitment to developing youth capacities in biodiversity and ecosystem services.

## **2.2 Strategic Activities and Engagement**

### **2.2.1 Climate Adaptation Writeshop for a publication on the Linkages between Climate Change Adaptation, Disaster Risk Reduction, and Loss and Damage**

In October 2022, the APN Secretariat, in collaboration with SLYCAN Trust, held an international writeshop to synthesise the outputs of APN projects addressing the linkages between climate change adaptation (CCA), disaster risk reduction (DRR) and loss and damage (L&D). The writeshop, mainly an in-person event, gathered 16 participants from eight countries, including ten project leaders under APN's Climate Adaptation Framework (CAF) and related projects. The objective of the writeshop was for authors to present their work and prepare peer-reviewed manuscripts to be published by a reputable publisher. A report of the writeshop is available [here](#), and a dedicated webpage for the work is available [here](#).

The [book](#) was published by Springer Nature and Palgrave Macmillan in June 2024 and there will be an official launch at the 26th Intergovernmental Meeting (Interactive Session I).

### **2.2.2 Contribution to IPBES Thematic Assessment**

In February 2023, the Secretariat served as external reviewers of the first-order draft of the IPBES thematic assessment on biodiversity, water, food, and health, which was released for external review. As a result of the review, the Secretariat provided 85 citations from 65 APN projects, including 13 from APN Science Bulletin articles. The APN-funded projects and citations are expected to enhance the nexus assessment, promoting continued collaboration between APN and IPBES.

The second-order draft of the IPBES thematic assessment on biodiversity, water, food, and health was launched in December 2023, and the APN Secretariat continues to serve as an external reviewer. Overarchingly, the APN-funded identification of projects and citations is expected to enhance the nexus assessment, promoting continued collaboration between APN and IPBES.

### **2.2.3 APN/IGES-KRC Joint Activity on Regional Circulating and Ecological Sphere**

APN and the Kansai Research Centre of IGES initiated the Regional-CES project (AOA2020-01-RCES) to align with Japan's 2018 environmental policy. The project investigated the applicability of the Regional-CES concept under various economic and social conditions, identified potential entry points and challenges for implementation, and promoted sustainable development through circularity principles and urban-rural partnerships.

National workshops involved 473 stakeholders across the Philippines (259), Thailand (46), and Indonesia (168), including local governments, academia, and civil societies. Presentations covered

practical R-CES applications in 44 sessions. These discussions emphasised strengthening decentralised societies, empowering rural communities, and promoting sustainable resource management and equitable urban-rural partnerships. Key messages included the need for equitable collaboration, stakeholder inclusion, thorough local need assessments, and linking local efforts with broader policies.

The project plans to continue with regular follow-ups, expand workshops in Southeast Asia, and conduct annual reviews. The project's success was highlighted by its workshop results poster being recognised as the best at the International Forum for Sustainable Asia and the Pacific (ISAP) 2023 in Yokohama, Japan. The report of the joint activity is available [here](#).

#### **2.2.4 Asia-Pacific Climate Change Adaptation Information Platform (AP-PLAT)**

On 14 and 15 February 2023, the APN Secretariat participated in two strategic online meetings of AP-PLAT. The first was the annual meeting introducing a Framework Action document, and the second, organised by IGES, focused on strategic partner engagement for AP-PLAT's capacity development. These meetings allowed APN to explore potential future collaboration with AP-PLAT. Following the meetings, APN contributed to stakeholder surveys and expressed interest in becoming a stakeholder once final documents, including the Strategy Document and Framework Action document, are available for review.

The Fourth International Climate Change Adaptation Platform Meeting hosted by NIES was held in Tokyo on 15 December. Representatives from countries such as Canada, the EU, the Republic of Korea, the Philippines, and Chinese Taipei, along with international entities including AIT, APN, CSIRO, SPREP/PCCC, and UNESCAP, discussed the crucial roles of international platforms in adaptation efforts. Dr Yuji Masutomi of NIES represented APN as a member of the CDC, emphasising the importance of knowledge exchange and collaboration.

#### **2.2.5 APN-IGES Locally Led Adaptation Project**

APN and IGES are collaborating on a new locally-led adaptation project on regional partnerships to localise NDC through community-led "local adaptation innovation hubs" in the Asia-Pacific. The project aims to catalyse local adaptation innovations by identifying and addressing capacity gaps at the local sites in Nepal, Vietnam and Fiji, contributing to the capacity-building pillar of AP-PLAT. The project conducted two online launch workshops in Vietnam and Nepal with the participation of local partners and other regional knowledge institutes in November 2022 and January 2023, respectively.

In relation to the above project, APN organised sessions at the second, third and fourth Global Gobeshona Conferences organised by ICCCAD in March 2022, 2023 and 2024 to present key challenges for understanding local climate risk, opportunities for promoting traditional, indigenous and local knowledge systems as a basis for locally-led adaption, and necessary governance arrangements to institutionalise and integrate locally-led adaptation into climate risk planning.

Furthermore, APN co-organised a stream session in partnership with the South Asian Forum for Environment (SAFE) during the 8th Asia-Pacific Climate Change Adaptation (APAN) Forum, held

from 28 August to 1 September 2023. The subsequent subsection provides further details about the stream session.

### **2.2.6 Asia-Pacific Climate Change Adaptation Forum**

On September 1, 2023, the APN Secretariat, in collaboration with SAFE, organised a stream session at the 8th APAN Forum by the UNEP Regional Office for Asia and the Pacific. The session titled "Enhancing Community Resilience in the Asia-Pacific Region: Promoting Effective Governance for Locally-led Adaptation and Sustainable Practices" presented case studies from Bangladesh, India, Japan, Nepal, the Philippines, and Vietnam. It discussed long-term climate adaptation planning and the transformative potential of community resilience in safeguarding livelihoods and food supply chains. The session addressed multifaceted challenges, advocating for collaboration and innovation across sectors. It concluded that a one-size-fits-all approach is inadequate, urging continuous self-assessment and a persistent cycle of trial and error for progress toward a climate-resilient future.

### **2.2.7 Asia-Pacific Network of Early Career Professionals for Global Change Research (APN-ECAP)**

In February 2023, the SC endorsed the establishment of the Asia-Pacific Network of Early Career Professionals for Global Change Research (APN-ECAP) with a budget of USD 20,000. APN-ECAP aims to create a networking platform for early-career professionals (ECPs) in the Asia-Pacific region, facilitating idea sharing, collaborative initiatives, and advocacy for youth engagement in decision-making processes. An interactive session on 24 May 2023 gathered insights from ECPs on challenges, needs, engagement strategies, network sustainability, and policy involvement.

In June 2023, the AOA project "Asia-Pacific Network of Early Career Professionals for Global Change Research (APN-ECAP) - Platform for Visibility in Global Change and Sustainability" was launched, led by the Centre of Environment, Energy, and Water (CREEW) and Dr Saurav K.C.

The first kick-off meeting was held on 30 November 2023, involving representatives from CREEW, APN, and ECPs. The first regional workshop took place on 6 December 2023 at AIT, with 45 researchers attending the Disaster Resilience and Sustainable Development Conference. In May 2024, an interactive workshop validated early progress towards the APN-ECAP initiative among 35 attendees, including early career APN project leaders and collaborators.

### **2.2.8 Integrated Natural Resources and Environmental Management**

The APN Secretariat participated in the 4th International Conference on Integrated Natural Resources and Environment Management (INREM) in Manila, Philippines, from 21-23 November 2023. As a Strategic Partner, APN played a key role in collaborating and disseminating various projects and activities. The event promoted knowledge exchange on resilience-building, sustainable development, and integrated resource management in the Asia-Pacific Region, fostering a network of professionals, practitioners, and communities. Dr. Stevenson highlighted the importance of sustaining Ridge-to-Reef (R2R) transformation through multi-scale capacity development. APN and UPLB-INREM are exploring a Memorandum of Understanding to strengthen their strategic collaboration. Full conference highlights are available here. <https://www.youtube.com/watch?v=yzWq8YPAXQk>.

In a significant follow-up to the event, APN and UPLB-INREM are exploring the possibility of establishing a Memorandum of Understanding to strengthen their strategic collaboration.

## **2.3 Hyogo Activities**

### **2.3.1 Bosai Kokutai 2022 Session on Climate Change and Disaster Reduction**

APN held a session titled “Climate Change and Disaster Reduction: Thinking about Sustainable City Planning and Communities” at the Bosai Kokutai 2022 in a hybrid style with simultaneous interpretation on 22 October 2022 in Kobe, Japan. After Mr Ryuji Tomisaka, the Director of the APN Secretariat, gave opening remarks, three presenters (Prof. Michiko Bamba, University of Hyogo, Prof. Ayyoob Sharifi, Hiroshima University and Mr Gen’ichiro Tsukada, Ministry of the Environment) participated in a panel discussion and presented on the theme. This session allowed visitors and participants to think about the need to prepare for coming disasters from the viewpoint of sustainable city planning and communities to effectively promote “Climate Change and Disaster Reduction.”

### **2.3.2 SDGs International Forum for Achieving Carbon Neutrality and Realising a Decarbonised Society**

APN, in collaboration with Hyogo Prefecture and IGES, held the “SDGs International Forum for Achieving Carbon Neutrality and Realising a Decarbonised Society” in a hybrid style with simultaneous interpretation on 23 December 2022 in Kobe, Japan. After Mr Kazuhiko Takeuchi, the President of IGES, made a keynote speech and had a talk session with Mr Motohiko Saito, the Governor of Hyogo Prefecture, six presenters participated in a panel discussion with insights from a variety of fields on the theme of “Initiatives to Create a Regional Circular and Ecological Sphere (Regional-CES) (Local SDGs)”. Through the sharing of the principles of the SDGs and the exchange of advanced initiatives and knowledge in various fields, this forum helped residents and business operators in Hyogo Prefecture deepen their awareness of the regional efforts to achieve carbon neutrality.

### **2.3.3 SDGs International Forum for Biodiversity**

APN, in collaboration with Hyogo Prefecture and IGES, held the “SDGs International Forum for Biodiversity” in a hybrid style with simultaneous interpretation on 24 October 2023 in Kobe, Japan. In December 2022, the Kunming-Montreal Biodiversity Framework, the new global goals on biodiversity, were adopted. Through the sharing of the latest domestic and international trends toward the realisation of Nature Positive and the exchange of advanced initiatives and knowledge on biodiversity as a local issue, this Forum aims to seek ways to implement SDGs at the local level (local SDGs) with residents and business operators in Hyogo Prefecture. In the first part of the forum, Prof. Kazuhiko Takeuchi, the President of IGES, made a keynote speech titled “Pathways to Achieving Nature Positive by 2030”, and Mr Motohiko Saito, Governor of Hyogo, Mr Ryugo Watanabe, Mayor of Sado City, Niigata Prefecture and Prof. Takeuchi discussed the theme “Biodiversity Promoted Through Local Initiatives and SDGs”. In the second part of the Forum, Dr Suneetha Subramanian, Research Fellow, Institute for the Advanced Study of Sustainability, United Nations University, gave a

presentation titled “Not in Isolation: Achieving Biodiversity Conservation is a Lever to Achieving Other SDGs”.

### **2.3.4 Lectures at the University of Hyogo**

APN was invited to give a lecture on the theme of International Cooperation for Disaster Risk Reduction by the Graduate School of Disaster Resilience and Governance, University of Hyogo, on 15 July 2023. Mr Ryuji Tomisaka, Director of the Secretariat, gave the lecture and pointed out that environmental issues have shifted from pollution in the past to climate change in recent years, mitigation and adaptation to climate change measures, and progress in disaster waste management. Mr Tomisaka also presented case studies on disaster response sites: Overseas (oil spill in Mauritius in 2020), Police (police activities during disasters), and Nuclear Disaster (radiation monitoring).

## **2.4 Courtesy Calls**

### **2.4.1 Stockholm Environment Institute (SEI)**

The APN Secretariat paid a courtesy call at the Asia Office of the Stockholm Environment Institute (SEI) in October 2022. Dr Niall O'Connor, Centre Director, and Prof. Sangam Shrestha of AIT, who joined the discussion as an SEI-affiliated researcher, exchanged views on possible collaborative activities.

### **2.4.2 National Research and Innovation Agency, Indonesia (BRIN)**

Taking the opportunity to attend the 3rd National Workshop on Regional Circulating and Ecological Sphere (Regional-CES), the APN Secretariat paid a courtesy call to the National Research and Innovation Agency (BRIN) in May 2023. At the meeting, Dr Laksana Tri Handoko, the BRIN Chairman, proposed an MOU between BRIN and APN be considered. The MOU could serve as a sound basis for collaboration, for example, joint research or capacity development activities in a cost-sharing manner. BRIN is currently working on the initial draft of the MOU.

### **2.4.3 U.S. Global Change Research Program (USGCRP)**

In May 2023, the APN Secretariat met with Dr Michael Kuperberg, Executive Director of USGCRP, and David Allen, Program Manager of the Arctic Research Program at NOAA. Dr Kuperberg highlighted USGCRP's goal to make global contributions under the Biden administration. The USGCRP's first international project, the LACI initiative, involves 14 countries from the Americas and the Caribbean, supported by IAI, Future Earth and the Belmont Forum, with four projects launching in June 2023. APN inquired about the possibility of expanding LACI to the Asia-Pacific region, and Dr Kuperberg expressed openness to this idea if LACI proves successful. Additionally, APN outlined plans for a scoping and proposal development workshop at the University of the South Pacific in Fiji, suggesting the involvement of an expert from the Fiji Oceanic Foundation. The parties agreed to maintain ongoing discussions to enhance collaboration between APN and the U.S.

### **2.4.4 National Science Foundation (NSF)**

The APN Secretariat met with Dr Wenda Bauchspies, Dr Karen Lips and Dr Jessica Libertini from the Office of International Science and Engineering, National Science Foundation (NSF), in May 2023. It was emphasised that NSF funds could only be used to support U.S. scientists and institutions, as determined by Congress. That said, both parties exchanged views on establishing a cooperative relationship. One potential avenue for collaboration is to jointly design, develop and fund a call for proposals on topics of mutual interest. APN and NSF introduced the rigorous review process of their calls for proposals. One idea proposed by NSF is for NSF to receive and review proposals, and upon approval for funding, APN could fund the international component/element of the project.

#### **2.4.5 Department of Environment and Natural Resources, Philippines**

During the 4th International Conference on Integrated Natural Resources and Environmental Management in November 2023, a courtesy meeting was held with Dr Maria Lourdes G. Ferrer, the SPG member for the Philippines, and the alternate SPG member, Dr Lynlei L. Pintor. The discussion encompassed various topics, including the 2023 Call for Proposals, the 26th Intergovernmental Meeting and the role of the Philippines, specifically focusing on the responsibilities of the national Focal Point, Dr Marcial Amaro.

### **2.5 Institutional Meetings**

#### **2.5.1 10th South Asia Subregional Committee Meeting and back-to-back events**

##### **2.5.1.1 10th South Asia Subregional Committee Meeting**

APN held the 10th South Asia Subregional Committee (SA-SRC) Meeting in Colombo, Sri Lanka. The Meeting was hosted by the Ministry of Environment, Government of Sri Lanka, and was the first in-person committee meeting since the declaration of the COVID-19 pandemic in March 2020. NFPs, SPG members, alternates and observers from Bangladesh, Bhutan, India, Nepal and Sri Lanka attended the Meeting, and confirmed and discussed the representation of South Asia in the Steering Committee (SC) and Capacity Development Committee (CDC) of APN. Additionally, the SA-SRC discussed the possibility of establishing institutional partnerships with like-minded organisations in South Asia. The 10th SA-SRC was held back-to-back with the Proposal Development Training Workshop (PDTW) held from 29 November to 1 December 2022.

##### **2.5.1.2 South Asia Proposal Development Training Workshop and Science-Policy Dialogue**

Hosted by the Ministry of Environment, Government of Sri Lanka, APN convened its first in-person PDTW in three years in Colombo, Sri Lanka. The PDTW brought together 18 ECPs and 11 members and mentors from APN's six South Asian countries: Bangladesh, Bhutan, India, Nepal, Pakistan and Sri Lanka. The PDTW was designed to enhance the capacity of ECPs in South Asia and develop competitive research proposals for funding by APN with the overarching theme of Climate Smart Agriculture: Meeting the demands of a growing population. Additionally, the workshop provided a platform for strengthening the network of South Asian ECPs and opportunities for future collaboration in regional research activities of common interest in the region. The event also comprised a science-policy dialogue that addressed important aspects of policy-relevant scientific research, including the validity of science, collaboration to address gaps in knowledge, and

communicating science to non-science audiences. Following the PDTW, all four groups submitted a summary proposal in the 2022 Call for Proposals. Two groups were successful and are currently undertaking projects under the CRRP Programme.

## **2.5.2 13th Southeast Asia Subregional Committee Meeting and back-to-back events**

### **2.5.2.1 13th Southeast Asia Subregional Committee Meeting**

The 13th Southeast Asia Subregional Committee (SEA-SRC) Meeting took place on 24 May 2023 and was hosted by AIT. The meeting was attended by nFPs, SPG members and alternates from Cambodia, Indonesia, Lao PDR, Malaysia, the Philippines, Thailand, and Vietnam. Key outcomes of the meeting included the reconfirmation of the two nFPs representing SEA-SRC on the SC, the appointment of an expert to the CDC, the selection of the chair and vice-chair of the SEA-SRC, and the recognition of Prof. Sangam Shrestha from AIT for his contributions to the review process of the APN Call for Proposals. Notably, the discussions led to important action points, including strategic collaboration with AIT by way of an MOU and further collaboration with the ASEAN Secretariat.

### **2.5.2.2 Southeast Asia Proposal Development Training Workshop**

The PDTW took place at AIT from 22-24 May 2023. The workshop successfully trained 20 ECPs from Southeast Asia, enhancing their knowledge systems, governance, and regional cooperation in water security. The participants engaged in brainstorming exercises, breakout sessions, and collaborative proposal development on water security-related topics. The PDTW empowered participants to submit competitive proposals, foster regional collaboration and gain valuable insights from mentors. All four groups submitted their proposals under the FY2023 Call for Proposals.

### **2.5.2.3 Urban Water Security Training Workshop**

A water security training workshop was organised by AIT upon request from the SEA-SRC. The workshop introduced the [Water Security Assessment Tool \(WATSAT\)](#), developed from a [CAPaBLE project](#) under the leadership of Prof. Mukand S. Babel, and offered hands-on experience to SEA-SRC members and ECPs. The event featured welcome remarks, a context-setting session, sessions on water security and WATSAT, live demonstrations followed by a hands-on session with WATSAT, and discussions on utility and issues related to water security. The workshop provided a comprehensive understanding of water security and practical skills in using WATSAT, creating a conducive learning environment where participants gained knowledge, skills and networking opportunities.

## **3. Call for Proposals (FY2022 and 2023)**

### **3.1 FY2022 Call for Proposals**

The 2022 Call for Proposals for the Collaborative Regional Programme (CRRP) and Scientific Capacity Development Programme (CAPaBLE) were launched on 4 November 2022 and closed on 4 December 2022. Under this year's Call for Proposals, the APN Secretariat received 145 summary proposals, of which 91 were from CRRP and 54 from CAPaBLE. Upon further screening by the Secretariat, 44% were considered to have met the basic eligibility criteria for submissions.

### 3.1.1 Regional balance

The 51st Steering Committee Meeting called for the Secretariat to compile information on the regional balance of the summary proposals received in the FY2022 Call for Proposals round. Of the 145 summary proposals received, 13 were submitted by the Pacific region, nine by the Temperate East Asia region, 66 by the Southeast Asia region, and 57 by the South Asia region.

### 3.1.2 Early career professionals

In recent years, there has been a notable increase in the involvement of Early Career Professionals (ECPs) in our programmes. In fiscal year 2020, 40% of the 130 summary submissions came from ECPs, with 36.7% of the 30 awarded proposals falling in the ECP category. This trend continued in fiscal year 2021, where ECPs accounted for 59.5% of the 126 summary proposals and 48% of the 25 awarded proposals. The most recent fiscal year, 2022, saw a strong presence of ECP submissions, with 49.7% of the 149 summary proposals coming from ECPs. Furthermore, ECPs were attributed to 52.6% of the 19 awarded proposals.

### 3.1.3 Gender balance

In the FY2022 call for proposals, the gender balance for the CRRP programme was 62 male proponents versus 29 female proponents. For the CAPaBLE programme, there were 27 male and 28 female proponents.

	CRRP		CAPaBLE	
	Male	Female	Male	Female
<b>Proponents' Gender</b>	62 (68.1%)	29 (31.9%)	27 (50%)	28 (50%)

### 3.1.4 Awarded proposals

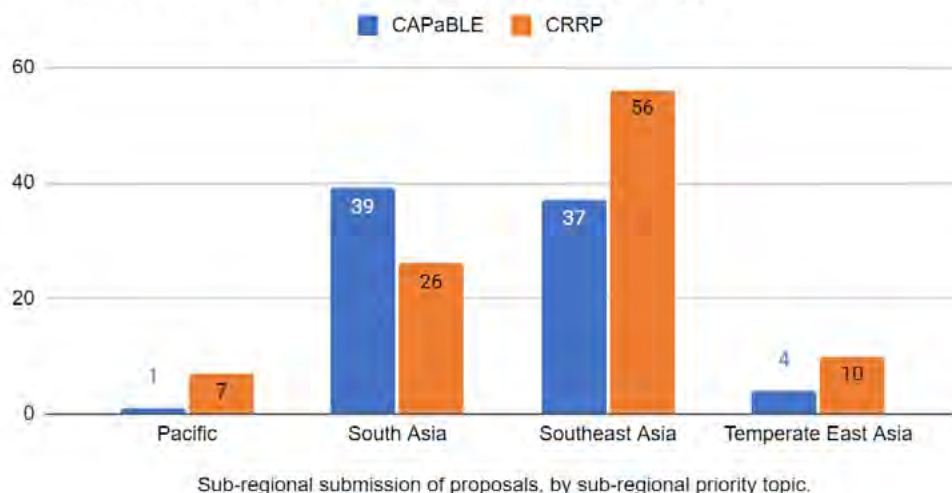
The Steering Committee recommended ten (10) CRRP proposals and seven (7) CAPaBLE proposals, which began activities from October 2023 onwards. Out of the 17 awarded projects, 8 have early career professionals as the project leaders.

## 3.2 FY2023 Call for Proposals

The 2023 APN Call for Proposals was launched on 10 November 2023 and closed on 10 December 2023. The APN Secretariat received a record number of 180 summary proposals, of which 99 are from the CRRP Programme and 81 from the CAPaBLE Programme. After a careful screening by the Secretariat, approximately 44% were considered to have met the eligibility criteria for the first review stage shortlisting.

### 3.2.1 Regional balance

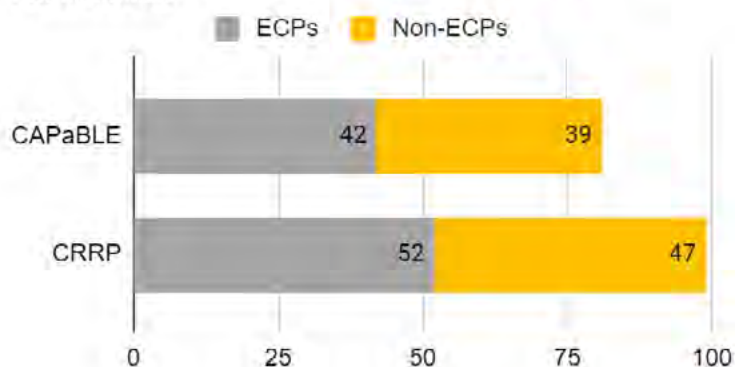
**Sub-regional balance of 2023 Call for Proposals submissions at the summary proposal stage.**



From the 180 summary proposals received, eight were submitted by the Pacific region, 65 by the South Asia region, 93 by the Southeast Asia region, and 14 by the Temperate East Asia region.

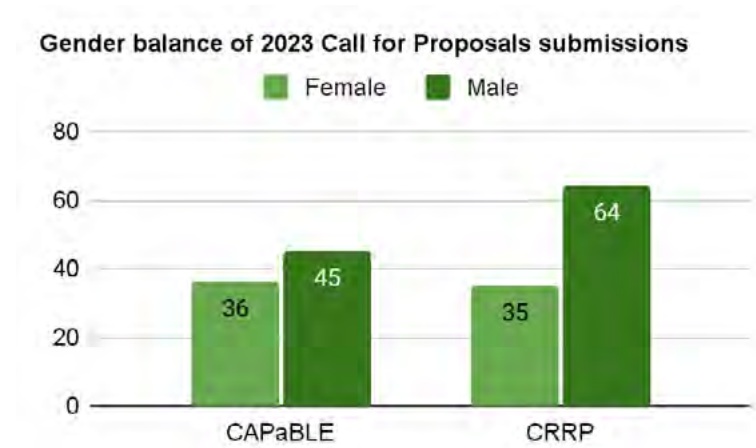
### 3.2.2 Early-Career Professionals

**Summary proposal submissions from Early-Career Professionals**



In FY 2023, 52% of the 130 summary proposal submissions came from ECPs.

### 3.2.3 Gender balance



In the FY2023 call for proposals, the gender balance for the CAPaBLE programme was 45 male proponents versus 36 female proponents, totaling 81. For the CRRP programme, there were 64 male and 35 female proponents, totalling 99.

### 3.2.4 Awarded proposals

The CDC, SPG-SC and SPG-PM meetings held on 11 and 12 June 2024 in Jakarta, Indonesia, will discuss and recommend proposals for funding. These recommendations will be presented to the Steering Committee during its 54th meeting, held on 12 June 2024, for endorsement and will be presented to the 26th IGM members on 14th June 2024.

## 4. Project Management

### 4.1 Project status

The Secretariat continues to monitor the implementation of CRRP, CAPaBLE and other projects and is pleased to report that most projects are back on track following the months-years of delays experienced due to the COVID-19 Pandemic.

The table below outlines ongoing projects as of June 2024. From July 2023 to May 2024, 27 projects were completed.

Core programmes and other activities	Number of ongoing projects
Comprehensive regional research programme (CRRP)	2018: 1 2019: 7 2020: 9 2021: 10 2022: 9 2023: 10 Total: 46

Capacity development programme (CAPaBLE)	2019: 1 2020: 3 2021: 7 2022: 8 2023: 7 Total: 26
Collaborative Research for Early-Career Scientists (CRECS)	Total: 5
Any Other Activities (AOA)	<ul style="list-style-type: none"> <li>● R-CES workshops in Southeast Asia</li> <li>● Climate Adaptation Synthesis</li> <li>● Locally Led Adaptation</li> <li>● APN Early Career Professionals Network for Global Change Research (APN-ECAP) Platform</li> </ul>
<b>Total number of projects ongoing</b>	<b>81</b>

## 4.2 Project outputs

In FY 2021 (July 2021-June 2022), APN projects reported a total of 85 peer-reviewed publications from programmes of CRRP/ARCP (50), CAPaBLE (21), CAF (10), CRECS (2) and others (2). Of these, 47 peer-reviewed papers are open access (55%).

In FY 2022 (July 2022 - June 2023), APN projects have reported over 94 peer-reviewed publications from the programmes of CRRP/ARCP (61), CAPaBLE (22), CAF (3), CRECS/CRYC (4), and ECSC (4). Of these peer-reviewed publications, 74 papers are open access (79%). A list has been compiled and is available in Appendix 1 of this report (SC-52-Appendix 1. Peer-reviewed papers in FY2022).

As of the date of reporting, in FY 2023 (July 2023 - June 2023), APN projects reported 58 peer-reviewed publications from the programmes of CRRP (36), CAPaBLE (17), and CRECS (5). Of these peer-reviewed publications, 42 papers are open access (72%).

In addition to peer-reviewed publications, APN projects reported over 31 additional resource items, such as reports, conference materials and other resources, during the same period in FY2023 as of the date of reporting. Additionally, 19 articles were published in the APN Science Bulletin in the FY2023 reporting period.

A summary of the major project outputs from FY2020 to FY2023 is presented below. Not including FY2023, publication output from APN projects has been increasing, reaching its peak in FY2022 with 178 publications. The current count for FY2023 is 89 publications, but additional data may still be

added, which could reflect further contributions from the projects. The number of citations of APN Science Bulletin articles has significantly increased in FY2023, rising to 89 from 36 in FY2022. This indicates a growing recognition and impact of the APN Science Bulletin within the scientific community.

	FY2020	FY2021	FY2022	FY2023*
Publication outputs	128	133	178	89
From the publication outputs, number of peer-reviewed papers published (% of open access)	93 (43%)	79 (63%)	94 (79%)	58 (72%)
Number of citations of APN Science Bulletin articles	52	81	36	89
People directly engaged in the project (researchers, government officials, community members and practitioners, etc.)	8,100+	3,800+	7,600+	5,100+
Percentage of projects that reported involvement of early career professionals	79%	75%	60%	42%

\*FY2023 figures as of May 2024. Additional data may still be reported at a later date for FY2023.

## 5. Communication and Outreach

### 5.1 Participation in international events

The APN Secretariat and its members participated in 21 events, including annual meetings, workshops, forums and conferences. These events spanned various locations, with notable engagements not only in Japan but also in Egypt, the Philippines, the Republic of Korea, Sri Lanka, Thailand and several virtual formats. The activities reflect the active role of APN in fostering international collaboration and capacity building in the Asia-Pacific region. The list of international events can be found in Appendix 1.

## 5.2 Disseminating Project Outputs through the APN Science Bulletin

The table below lists the monthly page views and PDF downloads on the APN Science Bulletin site since July 2023.

		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
Page Views	FY 2020	1,437	1,299	2,416	2,647	2,594	3,187	3,171	2,309	2,579	3,145	1,471	720	26,975
	FY 2021	2,118	2,575	3,392	4,383	4,147	4,304	3,711	3,448	4,942	4,733	4,922	3,773	46,448
	FY 2022	3,141	3,378	3,931	5,751	5,904	6,039	4,374	4,401	6,667	4,194	6,703	4,182	58,665
	FY 2023	3,437	3,638	5,153	5,437	5,268	4,685	5,163	4,702	5,734	5,618	4,021	-	52,856
Down-loads	FY 2020	374	392	524	567	580	587	572	629	660	606	424	239	6,154
	FY 2021	762	720	988	1,628	1,806	1,155	1,088	1,032	1,387	1,321	1,348	1,239	14,474
	FY 2022	1,170	1,427	1,468	1,451	1,921	1,894	1,820	1,686	1,979	855	750	754	17,175
	FY 2023	980	1013	852	909	1025	1093	1267	1143	869	932	728	-	10,811

The table below shows the most viewed Science Bulletin articles in FY2023 to date.

Title	Page Views (FY2023)	Trend
Sustainable mangrove rehabilitation: Lessons and insights from community-based management in the Philippines and Myanmar	5920	-
Rainwater harvesting for enhancing upland agriculture: Lessons and experiences in selected upland farming communities in Albay Province, Philippines	3,428	↑
Climate change scenarios over Southeast Asia	2,305	New entry
Future changes in growing degree days of wheat crop in Pakistan as simulated in CORDEX South Asia experiments	2,289	↓
Enhancing resilience through capacity building in LCCAP formulation in the local government of Aurora, Philippines	1,849	↓
Exploring the effects of urban heat island: A case study of two cities in Thailand and Indonesia	1,585	↓

The table below shows the most downloaded Science Bulletin articles in FY 2023 to date.

Title	Downloads
Challenges and opportunities to approach zero waste for municipal solid waste management in Ho Chi Minh City	159
Vulnerability of urban waters to emerging contaminants in India and Sri Lanka: Resilience framework and strategy	154
Towards a scientific-based farming of sea urchins: First steps in the cultivation of <i>Diadema setosum</i> , <i>Diadema savignyi</i> and <i>Mesocentrotus nudus</i>	149
Enhancing capacity of scientists and practitioners for promoting more sustainable and resilient food systems in Indonesia and the South Pacific	143
A framework for water security assessment at basin scale	143

For FY 2023, the number of citations of APN Science Bulletin articles increased by 147%, with an additional 89 citations obtained. The most cited articles are as follows:

<b>Title</b>	<b>Cited by (FY2022)</b>	<b>Cited by (FY2023)</b>
Tangang, F., Supari, S., Chung, J., Cruz, F., Salimun, E., Ngai, S., . . . Hein-Griggs, D. (2018). Future changes in annual precipitation extremes over Southeast Asia under global warming of 2°C. <i>APN Science Bulletin</i> , 8(1). doi:10.30852/sb.2018.436	48	54
Kumar, M., Chaminda, T., Honda, R., & Furumai, H. (2019). Vulnerability of urban waters to emerging contaminants in India and Sri Lanka: Resilience framework and strategy. <i>APN Science Bulletin</i> , 9(1). doi:10.30852/sb.2019.799	47	54
Weerahewa, J., Pushpakumara, G., Silva, P., Daulagala, C., Punyawardena, R., Premalal, S., . . . Marambe, B. (2012). Are homegarden ecosystems resilient to climatic change? An analysis of adaptation strategies of homegardeners in Sri Lanka. <i>APN Science Bulletin</i> , 2(1), 22–27. doi:10.30852/sb.2012.22	28	32
Babel, M., & Shinde, V. (2018). A framework for water security assessment at basin scale. <i>APN Science Bulletin</i> , 8(1). doi:10.30852/sb.2018.342	14	17
Arifwidodo, S., Chandrasiri, O., Abdulharis, R., & Kubota, T. (2019). Exploring the effects of urban heat island: A case study of two cities in Thailand and Indonesia. <i>APN Science Bulletin</i> , 9(1). doi:10.30852/sb.2019.539	10	13

## 5.3 Digital communications

### 5.3.1 APN Website

The APN website currently contains a repository of 2,325 publications (from 2,043 publications in FY2022) from 582 projects (from 560 projects in FY2022) conducted by researchers from over 800 organisations. A special page is created for each project to include detailed information on project leaders and collaborators, outputs and other related content.

The table below summarises the monthly page views on the APN website since FY 2020.

	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Total</b>
<b>FY 2020</b>	7,275	7,782	7,546	7,171	17,371	11,715	11,950	12,926	19,890	20,030	14,477	16,915	<b>155,048</b>
<b>FY 2021</b>	18,911	15,442	20,200	18,601	37,748	29,209	18,124	21,846	27,678	22,527	19,363	16,821	<b>266,470</b>
<b>FY 2022</b>	19,976	21,652	21,848	25,631	50,724	33,322	21,726	20,778	35,195	28,334	42,438	7,385	<b>329,009</b>
<b>FY 2023</b>	7,275	7,782	7,546	7,171	44,471	29,916	20,474	24,493	28,735	29,097	23,058	–	<b>230,018</b>

### 5.3.2 Newsletter

The monthly newsletter “APN Updates” disseminated information on new outputs from ongoing projects, past and upcoming events organised by APN project teams or partner organisations and opportunities and announcements from organisations in the global change community. In January 2024, a new format was introduced to improve APN brand perception and readability.

In FY 2023, six issues of the APN Updates and 14 special campaigns in electronic mail format were sent out, with an average open rate of 28.9%, which is lower than the 37.5% open rate in FY 2022. The decrease in the open rate can be attributed to the changes in Domain-based Message

Authentication, Reporting, and Conformance (DMARC) policies implemented in 2024. With the updated DMARC setting for APN, the average open rate for each issue is expected to be higher in the coming months.

### 5.3.3. Social Media

The Secretariat has continued to use social media platforms to disseminate outputs from APN projects, activities and digital communications products (such as newsletter announcements, Section 5.3.2). Since the last report in FY 2022, APN's social media channels received 665 new followers on Facebook, 778 new followers on LinkedIn and 55 new followers on X (formerly Twitter). The key performance metrics of each social media channel are listed below for FY2023 at the time of reporting.

	FY2022 Reporting		FY2023 Reporting	
	Average monthly impressions *Impressions: Number of displays and views of media content	Total Followers (Lifetime)	Average monthly impressions *Impressions: Number of displays and views of media content	Total Followers (Lifetime)
<a href="#">Facebook</a>	2,227.3	3,561	10,079	4,226
<a href="#">LinkedIn</a>	2,250.7	1,037	3,351	1,815
<a href="#">Twitter</a>	2,571	1,467	1,103	1,522

### 5.3.4 Videos

At the time of reporting, the YouTube channel of APN has 54 subscribers and 27 videos in FY2023, compared to 36 subscribers and 17 videos in FY2022. The Secretariat is also pleased to report that the channel received 108.8 watch hours since July 2023, which is 131% higher than the 47.1 watch hours recorded in FY2022. APN's videos received 23,099 impressions since July 2023, compared to 7,081 in FY2022.

## 6. Financial Status since the 25th Intergovernmental Meeting

Please refer to the item paper IGM-26-2.2 Financial Status since the 25th Intergovernmental Meeting.

## Appendix 1. List of International Events Participated by the Secretariat since March 2022

Dates	International Events
March 2022, 2023 and 2024	2nd to 4th Gobeshona Global Conferences (virtual)
October 2022	Climate Adaptation Writeshop with SLYCAN Trust (Colombo, Sri Lanka)
November 2022	Global Biodiversity Information Facility (GBIF) event "Asia Regional Engagement Meeting and Symposium on Open Science and Data Use" (Bangkok, Thailand)
December 2022	2022 United Nations Climate Change Conference or Conference of the Parties (Sharm el-Sheikh, Egypt)
May 2023	Aim for Climate Summit (Washington, D.C., United States of America)
May 2023	6th IPBES Capacity Building Forum (Nairobi, Kenya)
May 2023	Inception Workshop: Safeguarding the Regional Food Security under Climate Change Impacts via Mainstreaming Nature-based Solutions centred Adaptation Strategies (online)
28-29 August 2023	UNFCCC Adaptation Committee Event "Boosting Region-Wide Coherence on Adaptation" (Incheon, Republic of Korea)
28 August - 1 September 2023	8th Asia-Pacific Climate Change Adaptation (APAN) Forum (Incheon, Republic of Korea)
21-23 November 2023	4th International Conference on Integrated Natural Resources and Environment Management (Manila, Philippines)
November 2023	3rd Future Earth Japan Summit 2023 (Kyoto, Japan)
November 2023	Sustainable Mekong Research Network meeting (virtual)
December 2023	Disaster Resilience and Sustainable Development Conference (Bangkok, Thailand)
15 December 2023	4th International Climate Change Adaptation Platform Meeting (Tokyo, Japan)
19 December 2023	International Forum for Sustainable Asia and the Pacific (ISAP) 2023 (Yokohama, Japan)
7-8 December 2023	Disaster Resilience and Sustainable Development Conference (Bangkok, Thailand)
Different dates in 2023 to present	Asia-Pacific Network of Early Career Professionals for Global Change Research (APN-ECAP) workshops (online)
30 May 2024	World Climate Research Programme's 45th Joint Scientific Committee Meeting (Lima, Peru/virtual)
3 to 13 June 2024	UNFCCC SBSTA 60 (Bonn, Germany)

Financial Status since the 25th Intergovernmental Meeting

Budget Result of FY2021/22

Exchange Rates in FY 2021/22: USD 1 = JPY 114  
USD 1 = NZD 1,394  
USD 1 = KRW 1,117

All figures in USD

Resources

MOEJ (JPY205,952,000)	1,806,596
Hyogo (JPY 18,546,000->18,672,000)	163,789
New Zealand (NZD 30,000)	21,522
Republic of Korea (KRW 47,000,000)	42,062
Refunds from projects & exchange rate fluctuations in FY 2019/2020	210,285
Other balance from FY 2019/2020	149,804
Contingency	100,000
<b>Total (A)</b>	<b>2,494,059</b>

Use of Resources

Projects and Other Activities	Expenditure+ Committed	
Collaborative Regional Research Programme (CRRP)	901,000	
Capacity Development Programme (CAPaBLE)	522,700	
Reallocation from CRRP	One additional CAPaBLE Programme (CBA2021-12SY-Syed)	40,000
	Additional funds for Syntheses of products from Climate Adaptation Framework (Refer to row 51)	10,000
Science-policy linkages	9,027	
Travel for scientific events	0	
Development of a strategy to monitor and evaluate the implementation of the SSP Goals	5,000	
Proposed new activity: AP-PLAT capacity building project	60,000	
Proposal Development Training Workshop (PDTW) in the Pacific	50,000	
Collaboration with like-minded institutions	5,000	
APN Meeting (25th IGM, SC, SPG-SC, CDC)	531	
Travel for institutional affairs	0	
Hyogo Activities	18,188	
<b>Sub Total Projects and Other Activities (B)</b>	<b>1,621,446</b>	

Administration and Operational Costs	Expenditure+ Committed
Personnel cost	507,395
Travel for administrative purposes	873
General maintenance & operational cost	26,712
Equipment upgrade	2,274
IGES administrative overhead (3% of MOEJ contribution)	54,198
<b>Sub Total Administration and Operational Costs (C)</b>	<b>591,453</b>

<b>Contingency (D)</b>	<b>0</b>
------------------------	----------

<b>Total (B)+(C)+(D)</b>	<b>2,212,899</b>
--------------------------	------------------

Committed Resources

Carry-over from FY2021	Expenditure+ Committed
-	-
-	-
-	-
-	-
-	-
Carry-over from FY2020 due to COVID-19	Expenditure+ Committed
Proposal Development Training Workshop (PDTW) in Southeast Asia (SEA)	50,000
Syntheses of products from Climate Adaptation Framework	30,000
Carry-over from FY2019 due to COVID-19	Expenditure+ Committed
PDTW-SA	50,000
Pacific Scoping Meeting	44,825
Carried over for Ongoing Projects (FY 2016-FY 2020)	Expenditure+ Committed
-	-
-	-
CRRP 2020	239,000
CAPaBLE 2020	195,700
CRECS 2019+2020	52,000
Scoping Activity on Regional Circular and Ecological Sphere (R-CES)	11,280
Communication, publications and knowledge management	37,719
CRRP 2019	176,730
CAPaBLE 2019	87,540
ECSC (Early Career Science Communicators) 2019	5,991
CRRP2018	122,804
CAPaBLE 2018	64,419
ARCP (CRRP) 2017	39,890
CAPaBLE 2017	6,644
CAF 2017	6,800
ARCP (CRRP) 2016	24,000
12th SRC-SEA Meeting	(6,867)
<b>Sub Total Committed Resources (E)</b>	<b>1,238,475</b>

<b>Total Resources under Operation in FY 2021/22</b>	<b>3,451,374</b>
--	------------------

Budget Result of FY2022/23

Exchange Rates in FY 2022/23: USD 1 = JPY 136  
USD 1 = NZD 1,506  
USD 1 = KRW 1,299

All figures in USD

Resources

MOEJ (JPY205,952,000)	1,514,353
Hyogo (JPY 19,282,000->20,077,246)	147,627
New Zealand (NZD 30,000)	19,920
Republic of Korea (KRW 46,000,000)	35,404
Refunds from projects & exchange rate fluctuations in FY 2020/2021	237,851
Other balance from FY 2020/2021	119,027
Contingency	100,000
<b>Total (A)</b>	<b>2,174,182</b>

Use of Resources

Projects and Other Activities	Expenditure+ Committed	
Collaborative Regional Research Programme (CRRP)	772,442	
Capacity Development Programme (CAPaBLE)	455,800	
Reallocation from CRRP and CAPaBLE (Supported by SC via email)	(1) World Climate Change Programme (WCRP) Open Science Conference: USD 40,000	40,000
	(2) Support two training workshops on the use of a water security tool (WATSAT), an output of an APN project, and an early-career professional networking event : USD13,500	13,500
Reallocation from CRRP and CAPaBLE	* APN Early-Career Professionals Network - approx. USD 20,000	20,000
	* AIM for Climate Summit and Stakeholder Engagement in USA - approx. USD 10,000	10,000
Science-policy linkages; Travel for Scientific events	18,123	
-> Please refer to the "Carry over from FY2021" section	-	
-	-	
-	-	
APN Meeting (SC, SPG-SC, CDC)	31,897	
Travel for institutional affairs	2,314	
Hyogo Activities	27,131	
Outsourcing translation cost mainly for Hyogo events	4,958	
<b>Sub Total Projects and Other Activities (B)</b>	<b>1,396,165</b>	

Administration and Operational Costs	Expenditure+ Committed
Personnel cost	438,235
Travel for administrative purposes	246
General maintenance & operational cost	24,043
Equipment upgrade	5,240
IGES administrative overhead (3% of MOEJ contribution)	45,430
<b>Sub Total Administration and Operational Costs (C)</b>	<b>513,194</b>

<b>Contingency (D)</b>	<b>0</b>
------------------------	----------

<b>Total (B)+(C)+(D)</b>	<b>1,909,359</b>
--------------------------	------------------

Committed Resources

Carry-over from FY2021	Expenditure+ Committed
Proposal Development Training Workshop (PDTW) in the Pacific	50,000
Proposed new activity: AP-PLAT capacity building project	60,000
Development of a strategy to monitor and evaluate the implementation of the SSP Goals	120
Collaboration with like-minded institutions	3,166
Carry-over from FY2020 due to COVID-19	Expenditure+ Committed
Proposal Development Training Workshop (PDTW) in Southeast Asia (SEA)	50,000
Syntheses of products from Climate Adaptation Framework	16,000
Carry-over from FY2019 due to COVID-19	Expenditure+ Committed
PDTW-SA	41,117
Pacific Scoping Meeting	44,825
Carried over for Ongoing Projects (FY 2016-FY 2021)	Expenditure+ Committed
CRRP 2021	180,200
CAPaBLE 2021	144,540
CRRP 2020	239,000
CAPaBLE 2020	85,457
CRECS 2019+2020	13,600
Scoping Activity on Regional Circular and Ecological Sphere (R-CES)	11,280
Communication, publications and knowledge management	3,890
CRRP 2019	149,803
CAPaBLE 2019	66,750
ECSC (Early Career Science Communicators) 2019	1,430
CRRP2018	105,930
CAPaBLE 2018	42,219
ARCP (CRRP) 2017	1,765
-	-
-	-
ARCP (CRRP) 2016	24,000
-	-
<b>Sub Total Committed Resources (E)</b>	<b>1,335,092</b>

<b>Total Resources under Operation in FY 2022/23 (B)+(C)+(D)+(E)</b>	<b>3,244,451</b>
--	------------------



## 26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting

13-14 June 2024, Jakarta, Indonesia

Item 3 of the draft agenda<sup>1</sup>

### Item 3. Mid-Term Evaluation Report of the 5th Strategic Phase

The purpose of this item paper is to provide a progress update, as of June 2024, on the development of the draft Mid-Term Evaluation Report, covering the first three years of the 5th Strategic Phase (FY 2020-2025).

The 5th Strategic Plan was adopted by the 24th Intergovernmental Meeting (IGM) in February 2021, with a seven-month delay caused by the COVID-19 pandemic. Following the endorsement, the Secretariat began developing matrices for compiling information on achievements. The information collected in the matrices was used to draft the monitoring report. Given the scope and complexity of the goals, significant efforts were required to compile and draft the report.

The Framework Document mandates the SC to conduct “regular reviews of APN’s long-term plans, especially its strategic plans, and the implementation of these plans”<sup>2</sup>. The current SC, which assumed office in June 2022, was regularly informed about the progress of the monitoring report. Following the drafting of the report, the SC was requested to draft summaries for each of the goals for the compilation of the Mid-Term Evaluation Report.

According to the original timeline, the Mid-Term Evaluation Report was scheduled to be finalised well in advance of the 26th IGM Meeting for the final review and approval of the SC. However, as of June 2024, the report remains in draft form and requires further editing, due to unforeseen delays in the development process<sup>3</sup>.

### Appendices

#### Appendix 1: [5th Strategic Plan \(2020-2025\)](#)

#### Appendix 2: Annual Reports

- [Annual Report 2020](#): Summary of projects, statistics, and financial management.
- [Annual Report 2021](#): Summary of projects, statistics, and financial management.
- [Annual Report 2022](#): Summary of projects, statistics, and financial management.

<sup>1</sup> IGM/26/3.

<sup>2</sup> [APN Framework Document](#), Page 6, Section B. Steering Committee, Item ii under 1. Mandate.

<sup>3</sup> The Mid-Term Evaluation Report for the 5th Strategic Phase (2020-2026) is available on the [APN website](#).



## **26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting**

13-14 June 2024, Jakarta, Indonesia

---

Item 4 of the draft agenda<sup>1</sup>

### **Item 4. Subregional parallel sessions**

The Pacific Subregional Committee, South Asia Subregional Committee, Southeast Asia Subregional Committee and Temperate East Asia Subregional Committee will hold their respective parallel sessions.

The draft agendas and item papers are saved in the folders of the respective subregional committees.

Each subregional committee will present the discussions held at their respective parallel sessions under Item 7. Report from the subregional committees (Pacific, South Asia, Southeast Asia, Temperate East Asia) followed by discussion of this present meeting.

---

<sup>1</sup> IGM/26/4.



**26th Joint Intergovernmental Meeting and  
Scientific Planning Group Meeting**  
13-14 June 2024, Jakarta, Indonesia

---

Item 5 of the draft agenda<sup>1</sup>

**Item 5. Report from the Scientific Planning Group**

The Scientific Planning Group Co-Chairs, Assoc. Prof. Awnesh Singh and Prof. Wenjie Dong, will present the discussions held at the 16th Scientific Planning Group Pre-Meeting, held on 12 June 2024.

---

<sup>1</sup> IGM/26/5.

# Item 5: Report from the 16th Scientific Planning Group Pre-Meeting (SPG-PM)

*SPG-SC Co-Chairs: Professor Wenjie Dong, Dr Awnesh Singh*

*26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting, 14 June 2024  
Jakarta, Indonesia*

## List of Participants

**16h SPG-PM Meeting**  
12 June 2024

## SPG Members

### **Dr Awnesh Singh**

SPG-SC Co-Chair  
SPG member for Fiji

### **Dr Wenjie Dong**

SPG-SC Co-Chair  
SPG member for China

### **Dr Ngo Kim Chi Ngo**

SPG member for Vietnam

### **Prof Md. Giashuddin Miah**

SPG member for Bangladesh

### **Mr Kamal Uy**

SPG member for Cambodia

### **Dr Hemant Borgaonkar**

SPG member for India

### **Dr Ken Fukushi**

SPG member for Japan

### **Dr Erna Sri Adiningsih**

SPG member for Indonesia

### **Dr Madan Lal Shrestha**

SPG member for Nepal

### **Dr Wenjie Dong**

SPG-SC Co-Chair  
SPG member for China

### **Dr Tsogtbaatar Jamsran**

SPG member for Mongolia

### **Mr Diong Jeong Yik**

SPG member for Malaysia

### **Ms Maria Lourdes G. Ferrer**

SPG member for Philippines

### **Dr Douglas Hill**

SPG member for New Zealand

### **Dr Preethika Jayakody**

SPG alternate for Sri Lanka

### **Dr Kim Chi Ngo**

SPG member for Vietnam

### **Dr Sangam Shrestha**

Invited Expert

### **Dr Subramaniam Moten**

Invited Expert

## APN Secretariat

### **Dr Linda Anne Stevenson**

Acting Director

### **Dr Nafesa Ismail**

Senior Programme Officer

### **Ms Naomi Young**

Programme Officer

### **Dr Hiroaki Shibuya**

Deputy Director

### **Ms Mia Aranas**

Programme Officer

# Monitoring and Evaluation



## (1) Review and update of SPG expertise

- The APN Secretariat will prepare a questionnaire survey to collect and update the database of expertise for the Scientific Planning Group members, Capacity Development Committee members, and Invited Experts to-date.
- A link to the survey will be shared between July and August 2024, and all members are kindly requested to respond by October 2024, before the APN annual call for proposals begins in November 2024.

## (2) Review and evaluation of project final reports

### Multi-Year Proposals Evaluation:

- Ensure continuous monitoring of these projects via the existing midterm evaluations to decide on the continuation or extension of funding for multi-year proposals.

### Single-Year Projects:

- Initiate a process for continuous monitoring similar to multi-year projects.

### Involvement of National Focal Points (nFP):

- Increase involvement of nFP in projects, as their participation has been lacking.
- Encourage project leaders to involve nFP, even if they are not from a scientific background, to ensure projects are working effectively in their respective countries.

**Overall, no objection from the members.**



# Deliberations on the FY2023 Call for Proposals and recommendations to the Steering Committee for funding at its 54th Steering Committee Meeting

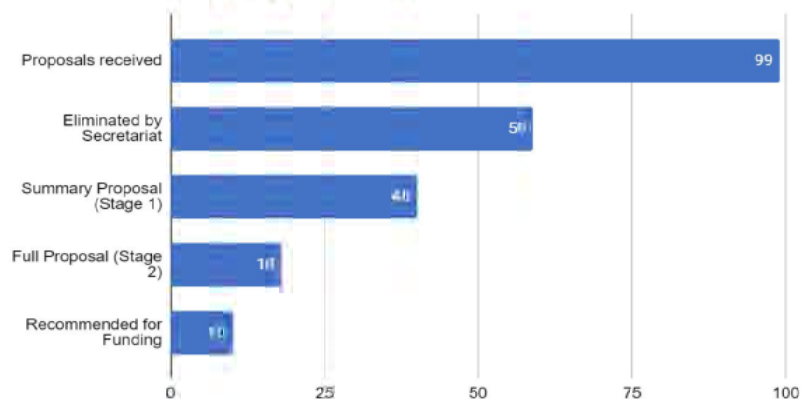


## FY2023 CRRP Call for Proposals

List of eligible summary proposals for CRRP can be found here:  
[https://drive.google.com/open?id=1DQvaWNHQAiihOdmAdTLKPn1E2bg88l&usp=drive\\_fs](https://drive.google.com/open?id=1DQvaWNHQAiihOdmAdTLKPn1E2bg88l&usp=drive_fs)

List of eligible full proposals for CRRP can be found here:  
[https://drive.google.com/open?id=10aTOEQGd0kCsOfMk5dRcrvTXB-GT5up&usp=drive\\_fs](https://drive.google.com/open?id=10aTOEQGd0kCsOfMk5dRcrvTXB-GT5up&usp=drive_fs)

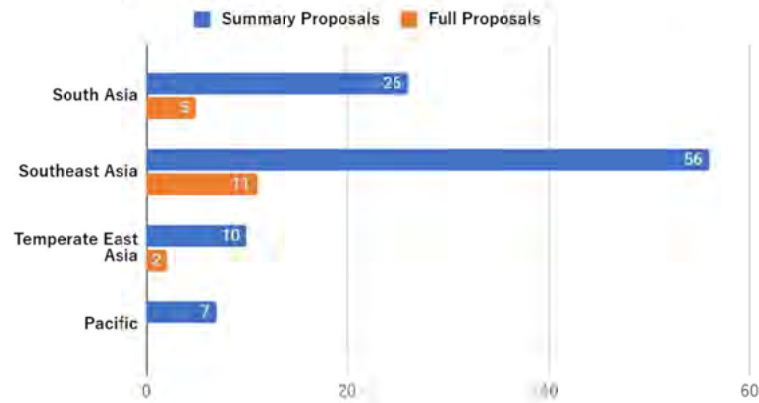
FY2023 Call for Proposals for CRRP



## Statistics

### FY2023 CRRP Call for Proposals

Regional distribution of CRRP proposals at Stage 1 (SP) and Stage 2 (FP)

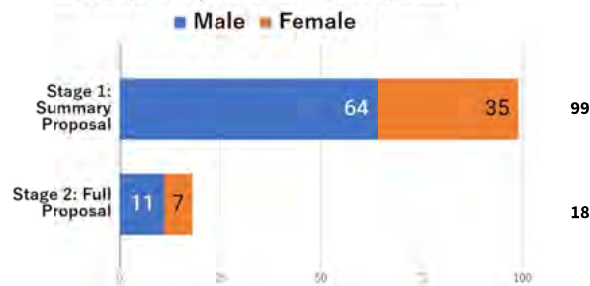


**South Asia:** Bangladesh, Bhutan, India, Nepal, Pakistan, Sri Lanka  
**Southeast Asia:** Cambodia, Indonesia, Lao PDR, Malaysia, Philippines, Thailand, Vietnam  
**Temperate East Asia:** China, Japan, Mongolia, Republic of Korea, Russia Federation  
**Pacific:** Australia, Fiji, New Zealand, United States of America

## Statistics

### FY2023 CRRP Call for Proposals

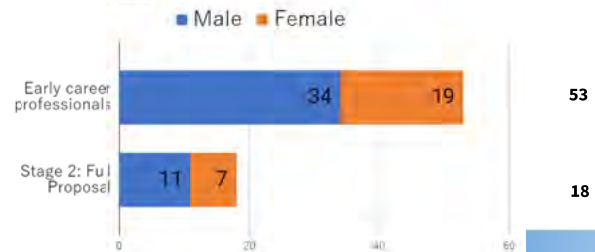
FY2023 CRRP Proposals: Gender balance



#### Early career professional eligibility

40 years or younger, with either:  
 (1) undergraduate with 5 years working experience,  
 (2) Masters degree holder with 2 years working experience,  
 (3) PhD holder, or  
 (4) postdoctoral student.

FY2023 CRRP: Proposals: Early-career professionals



## Budget

### Budget available for new CRRP projects in FY2024

- The budget available for CRRP proposals in FY2024 is **USD 680,000**.
- The SPG considered 18 proposals for funding
- The SPG recommended **10 proposals** to the Steering Committee for funding, which will be presented in ranking order in the next slides

### Slide 1: CRRP Proposals for funding

Full Proposal Reference	Proponent, Organization	Proposal Title	Years	Requested	Recommended	SPGSC Recommendation
<a href="#">CRRP2023-FP15-Zhu (M)</a>	Dr Lixin Zhu East China Normal University, <b>China</b>	Benzotriazole UV-328 in marine plastic debris in typical Southeast Asia countries  <b>Countries involved:</b> China, Japan, Malaysia, Philippines, Thailand, Vietnam	2	\$90,000	\$90,000	Ranked No. 1 <b>RECOMMENDED FOR FUNDING</b> Top-ranked proposal. Strongly supported due to the project's robust methodological approach and its value in addressing regional differences in plastic debris interactions, ensuring localised and effective solutions.
<a href="#">CRRP2023-FP08-Kanniah (F)</a>	Prof. Kasturi Kanniah Universiti Teknologi Malaysia, <b>Malaysia</b>	Mapping, tracking and identifying the emission sources of PM2.5 using multiple satellite sensors and assimilated ground observations for health risk assessment in Southeast Asia  <b>Countries involved:</b> India, Indonesia, Japan, Malaysia, Philippines, Thailand	3	\$56,397	\$56,397	Ranked No. 2 <b>RECOMMENDED FOR FUNDING</b> Highly ranked proposal led by a female proponent. Contingent on addressing all reviewers' comments and suggestions, including: 1. expand the PM2.5 title acronym for easy understanding of the readers 2. ensure PM2.5 is explained to general public in its designated activities 3. provide more information on PM2.5 components 4. incorporate the improvements noted in the Stage 2 reviewers responses

## Slide 2: CRRP Proposals for funding

Full Proposal Reference	Proponent, Organization	Proposal Title	Years	Requested	Recommended	SPGSC Recommendation
<a href="#">CRRP2023-FP02-Xue (F) ECP</a>	Dr Wenchao Xue Asian Institute of Technology, Thailand	Enhancing the Science-Policy Interface to Manage Microplastic Influx from Major Cities into the Oceans in Southeast Asia  <b>Countries involved:</b> Indonesia, Thailand, Vietnam	2	\$90,000	\$90,000	Ranked No. 3 <b>RECOMMENDED FOR FUNDING</b> Highly ranked proposal led by an early career female proponent. Contingent on addressing all reviewers' comments and suggestions, including: 1. improve the science-policy interface component, particularly in WP3, which needs strengthening to align with the project's title. 2. consider the long-term nature of microplastics studies as highlighted in the feedback.
<a href="#">CRRP2023-FP06-Le (F) ECP</a>	Dr Huu Quynh Anh Le Hochiminh City University of Natural Resources and Environment, Vietnam	Evaluation of Nature-based Solutions for the enhancement of urban water security in South-East Asian Cities  <b>Countries involved:</b> Cambodia, Thailand, Vietnam	3	\$135,000	\$135,000	Ranked No. 4 <b>RECOMMENDED FOR FUNDING</b> Highly ranked proposal led by an early career female proponent who was a 2023 SEA PDTW trainee with significant co-funding. Contingent on addressing all reviewers' comments and suggestions, and including Prof. Mukand Babel as a mentor or collaborator.

## Slide 3: CRRP Proposals for funding

Full Proposal Reference	Proponent, Organization	Proposal Title	Years	Requested	Recommended	SPGSC Recommendation
<a href="#">CRRP2023-FP09-Siswanto (M)</a>	Dr Eko Siswanto Japan Agency for Marine-Earth Science and Technology (JAMSTEC), Japan	Harnessing Earth Observation (EO) to Enhance Decision-Making for Eutrophication and Harmful Algal Bloom (EuHAB) Impact Mitigation and Adaptation  <b>Countries involved:</b> China, Indonesia, Japan, Malaysia, Philippines, Thailand	3	\$135,000	\$90,000	Ranked No. 5 <b>RECOMMENDED FOR FUNDING</b> Highly ranked proposal with strong alignment to IPCC and UNDOs goals. Recommendation USD 45,000/year for a two-year project, contingent on addressing all reviewers' comments and suggestions, including: 1. detailed elaboration requested on the project methodology 2. inclusion of additional collaborators from Southeast Asia
<a href="#">CRRP2023-FP10-Pradhananga (M)</a>	Dr Dhiraj Pradhananga The Small Earth Nepal (SEN), Nepal	Evaluation of Nature-based Solutions for the enhancement of urban water security in South-East Asian Cities  <b>Countries involved:</b> Bhutan, India, Japan, Nepal, Pakistan, United States	3	\$134,961	\$90,000	Ranked No. 6 <b>RECOMMENDED FOR FUNDING</b> Covering South Asian region. Suggesting USD 45,000 per year for a two-year project, contingent on addressing all reviewers' comments and suggestions, including the inclusion of a collaborator from Bangladesh for regional balance, conducting parallel work for data collection and training in Year 1, and having the summer school conducted in Year 2.

## Slide 4: CRRP Proposals for funding

Full Proposal Reference	Proponent, Organization	Proposal Title	Years	Requested	Recommended	SPGSC Recommendation
<a href="#">CRRP2023-FP01-Kim (M) ECP</a>	Dr Jin-Soo Kim City University of Hong Kong, Hong Kong S.A.R. of the People's Republic of China	Fire risk mapping and projection in the Asia-Pacific region based on big data and artificial intelligence technique  <b>Countries involved:</b> China, Indonesia, Japan, Korea, Singapore, Sri Lanka, United States	2	\$89,675	\$90,000	Ranked No. 7 <b>RECOMMENDED FOR FUNDING</b> Highly ranked proposal, led by an early career proponent, aims to leverage AI and big data to enhance fire risk assessment and improve prediction accuracy and reliability across the Pan-Asia region. The project also has co-funding from the Korea Ministry of Environment.
<a href="#">CRRP2023-FP03-Wan Mohd Jaafar (F) ECP</a>	Dr Wan Shafrina Wan Mohd Jaafar National University of Malaysia (UKM), Malaysia	Assessing Urban Heat Islands in Southeast Asia Megacities: An Integrated Study of Land Use, Climate Variability and Heatwave Occurrences  <b>Countries involved:</b> Indonesia, Japan, Malaysia, Vietnam	3	\$126,730	\$12,500	Ranked No. 8 <b>RECOMMENDED FOR SEED GRANT.</b> The proposal shows promise but needs enhancement in the methodology section. Ranked in 8th place, it is led by an early career female proponent and a 2023 SEA PDTW trainee. The SPGSC recommends providing this seed grant to strengthen the proposal, aiming for resubmission as a Full Proposal (bypassing the Summary Proposal Stage) in the FY2025 Call for Proposals.

Full Proposal Reference	Proponent, Organization	Proposal Title	Years	Requested	Recommended	SPGSC Recommendation
<a href="#">CRRP2023-FP16-Setyawan (M) ECP</a>	Dr Chandra Setyawan Universitas Gadjah Mada (UGM), Indonesia	Adapting the Impact of Land Use and Climate Change through Smart Irrigation Water Management to Support Food Security (SIWAMA)  <b>Countries involved:</b> Indonesia, Thailand, Vietnam	2	\$89,970	\$12,500	Ranked No. 9 <b>RECOMMENDED FOR SEED GRANT.</b> The proposal shows promise but needs enhancement in the methodology section. Ranked in 11th place, it is led by an early career proponent from Indonesia. Proposal is timely and relevant to the agricultural water resource issues in the SEA region. The SPGSC recommends providing this seed grant to strengthen the proposal, aiming for resubmission as a Full Proposal (bypassing the Summary Proposal Stage) in the FY2025 Call for Proposals.
CRRP2023-FP13-Ngo (F) ECP	Dr Thuy Thi Ngo Vietnam Institute of Meteorology, Hydrology and Climate Change, Vietnam	Strengthening Food Security via Strategic Agricultural Water Management: A Case Study on Assessing Water Demand from High-Resolution SAR Remote Sensing for Enhanced Operational Plans in Water Works Systems of Vietnam and Cambodia.  <b>Countries involved:</b> Australia, Cambodia, Thailand, United States, Vietnam	2	\$86,166	\$12,500	Ranked No. 10 <b>RECOMMENDED FOR SEED GRANT</b> An innovative proposal from a female researcher and suitably ranked proposal from an early career professional but needs enhancement in the methodology and the budget section. The Scientific Planning Group member for Vietnam will engage with proponent to secure additional funding and in-kind contributions from host country. The SPGSC recommends providing this seed grant to strengthen the proposal, aiming for resubmission as a Full Proposal (bypassing the Summary Proposal Stage) in the FY2025 Call for Proposals.

- In total, **10 proposals** are being recommended to the SPGPM with a total of **USD678,897**
- The balance of USD1,103 was redistributed to CAPaBLE.



## Recommended CRRP projects in FY2024

Summary information

<p><b>Ten proposals recommended for funding from FY2024</b></p>	<p><b>Total funding distribution utilised: USD 678,897.00</b>                  USD 680,000.00                  CRRP full amount                  USD 1,103.00                  Amount remaining</p>	<p><b>Regional distribution</b>                  South Asia: 1                  Southeast Asia: 7                  Multi-region: 2</p>	<p><b>Gender distribution</b>                  Female: 5                  Male: 5</p>
			<p><b>Early career professionals</b>                  Early career: 6 (2 Male, 4 Female)                  Mid/senior level: 4</p>



## Subregional priority topics in FY2023

Established in October 2023 in consultation with the APN Subregional Committee and members.

South Asia	Southeast Asia	Temperate East Asia	Pacific
<ul style="list-style-type: none"> <li>Climate change adaptation, loss and damage, and the impacts of extreme events</li> <li>Future GHG emission scenarios, including decarbonisation pathways</li> <li>Integrated urban waste management for sustainable development</li> <li>Enhancing urban and rural water security in South Asia in the face of global change</li> <li>Ecosystem resilience: Addressing climate change and ecosystem services through promotion of ecosystem-based adaptation</li> </ul>	<ul style="list-style-type: none"> <li>Climate change and climate variability (CC&amp;V) and disaster risk reduction</li> <li>Transboundary issues (specifically air pollution, marine plastics, marine debris)</li> <li>Big Earth Data for SDGs</li> <li>Bio-circular green economy and circular ecological economy</li> <li>Achieving SDGs in the face of a changing climate: Food, water, and energy security</li> </ul>	<ul style="list-style-type: none"> <li>Nature-based solutions for climate resilience and ecosystems restoration</li> <li>Climate extremes, carbon neutral societies, and alternative energy production</li> <li>Big Earth Data for global change</li> <li>Knowledge innovation for sustainable resource management</li> </ul>	<ul style="list-style-type: none"> <li>Global change and its impacts on ecosystems and livelihoods in the Pacific</li> <li>Climate adaptation, disaster risk reduction, displacement and relocation</li> <li>Climate variability and change, and their impacts in national and regional contexts</li> <li>Biodiversity and ecosystem conservation for human well-being and protection in the Pacific</li> </ul>

## Asia-Pacific Network of Early Career Professionals for Global Change Research (APN-ECAP)

- The APN-ECAP initiative was presented was presented to the SPGPM Meeting and was well received by the members.
- This project aims to create a networking platform ECPs in the Asia-Pacific region, facilitating idea sharing, collaborative initiatives and to accelerate ECP involvement in global change research and sustainability.
- Proposed activities and membership benefits: Capacity development training resources, networking opportunities, collaboration, and early access announcement to APN early career professional events.
- Formal introduction was made at the 26th IGM Evening Reception by one Ms Ayushmita Pokhrel from CREW.



Top: APN-ECAP First Regional Workshop (AIT, Dec 2023)

Bottom: APN-ECAP Interaction Workshop (Virtual, May 2024)



## Election of two SPG Co-Chairs and three SPG members for the SPG-SC for the term 2024-2026

### SPG Co-Chairs



- SPG Member for Fiji  
(Dr Awnesh Singh)



- SPG Member for Bangladesh  
(Prof Md. Giashuddin Miah)

### SC Members

- SPG Member for New Zealand  
(Assoc Prof Douglas Hill)



- SPG Member for Malaysia  
(Mr Diong Jeong Yik)



- SPG Member from Vietnam  
(Dr Kim Chi Ngo)



**Thank you for your kind attention.**

**SPG Co-Chairs: Prof. Wenjie Dong, Dr Awnesh Singh**

*26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting  
BRIN, Jakarta, Indonesia*



**26th Joint Intergovernmental Meeting and  
Scientific Planning Group Meeting**  
13-14 June 2024, Jakarta, Indonesia

---

Item 6 of the draft agenda<sup>1</sup>

**Item 6. Report from the Capacity Development Committee**

The Scientific Planning Group Co-Chairs, Assoc. Prof. Awnesh Singh and Prof. Wenjie Dong, will present the discussions held at the 23rd Capacity Development Committee Meeting, held on Tuesday, 11 June 2024.

---

<sup>1</sup> IGM/26/6.

# Item 6: Report from the Capacity Development Committee Meeting

## 26th Joint IGM and SPG Meetings

**SPG Co-Chairs: Prof. Wenjie Dong, Dr Awnesh Singh**  
BRIN, Jakarta, Indonesia

## List of Participants

23rd Capacity Development Committee Meeting, 11 June 2024

### SPG Co-Chairs

**Dr Awnesh Singh**

SPG-SC Co-Chair  
SPG member for Fiji  
University of the South Pacific, Fiji

**Prof. Wenjie Dong**

SPG-SC Co-Chair  
SPG member for China  
Sun Yat Sen University, China

### CDC Invited Experts

**Dr Juan Pulhin**

University of the Philippines Los Baños, Philippines

**Mr Kinzang Namgay**

Department of Water, Ministry of Energy and Natural Resources, Bhutan

**Dr Yuji Masutomi**

National Institute of Environmental Studies, Japan

### APN Secretariat

**Dr Linda Anne Stevenson**

Acting Director, Programme Director

**Dr Hiroaki Shibuya**

Deputy Director

**Dr Nafesa Ismail**

Senior Programme Officer

**Ms Mia Aranas**

Programme Officer

**Ms Naomi Young**

Programme Officer

### Representing donor members

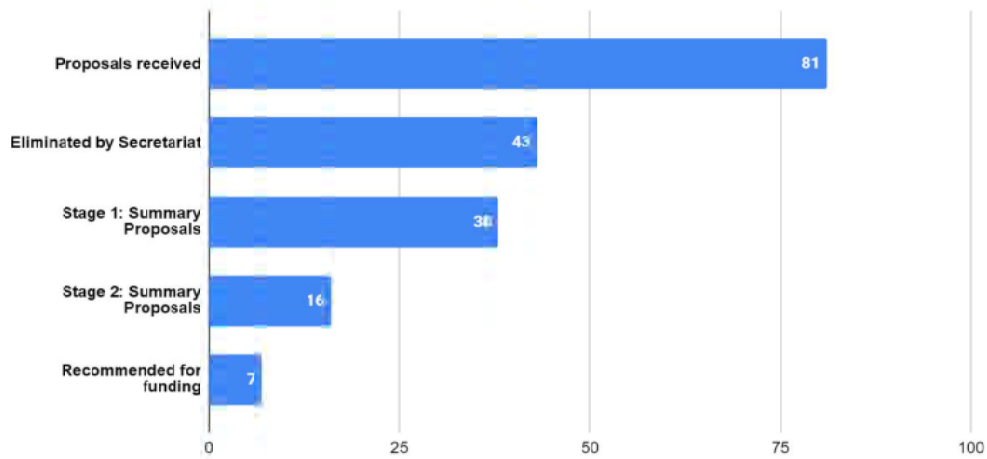
**Dr Douglas Hill**

National Focal Point for New Zealand  
SPG member for New Zealand  
University of Otago, New Zealand

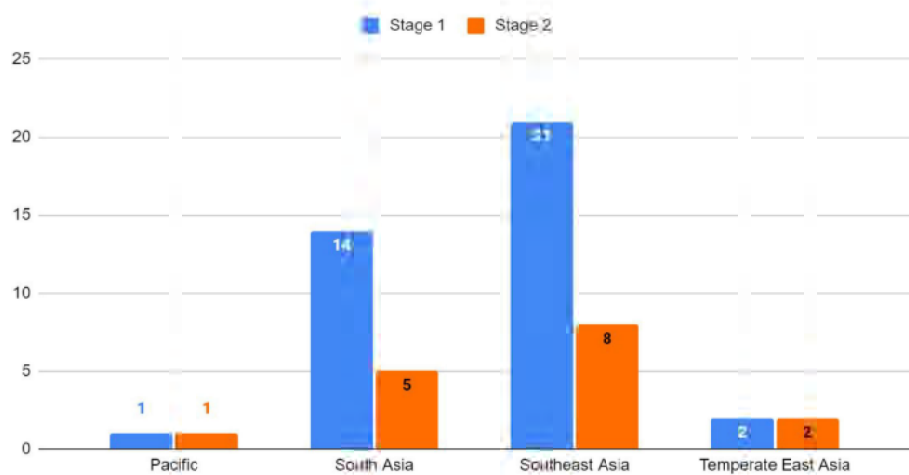
**Ms Naoko Nakajima**

National Focal Point for Japan  
Ministry of the Environment, Japan

## FY2023 Call for Proposals CAPaBLE Submission Statistics



## FY2023 Call for Proposals CAPaBLE Submission Statistics: Regional distribution



**Pacific:** Australia, Fiji, New Zealand, United States of America

**South Asia:** Bangladesh, Bhutan, India, Nepal, Pakistan, Sri Lanka

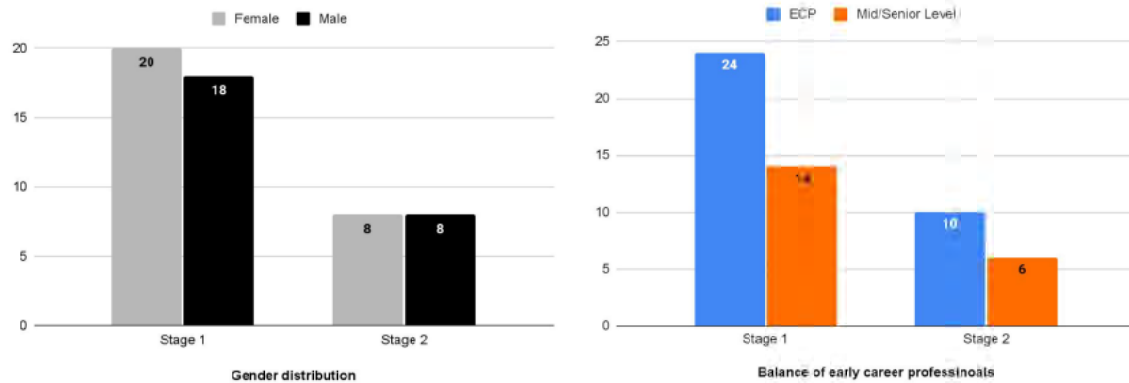
**Southeast Asia:** Cambodia, Indonesia, Lao PDR, Malaysia, Philippines, Thailand, Vietnam

**Temperate East Asia:** China, Japan, Mongolia, Republic of Korea, Russia Federation



## FY2023 Call for Proposals

CAPaBLE Submission Statistics: Early career professionals and gender balance



**Early career professional eligibility:** 40 years or younger, with either: (1) undergraduate with 5 years working experience, (2) Masters degree holder with 2 years working experience, (3) PhD holder, or (4) postdoctoral student.

## FY2023 Call for Proposals

Budget availability

- The budget available for CAPaBLE proposals for implementation in FY2024 is **USD 320,000**.
- USD1,103 was redistributed from CRRP to CAPaBLE at the 19th SPG-SC meeting. Therefore, total amount available for CAPaBLE allocation in FY2024 is **USD 321,103**.
- The CDC considered **16 proposals** for funding from the Stage 2 Full Proposal shortlisting.
- The CDC recommends **7 proposals** to the Steering Committee for funding, which will be presented in ranking order in the next slides.

## Recommended CAPaBLE projects in FY2024

### Proposal information (Pt.1)

FP Reference	Proposal title	Requested	Recommended	CDC Recommendation
<b>FP10-Santiago (F)</b> * Female, ECP	Bridging academic researchers and vulnerable island communities in the Philippines: Enhancing capacities for climate and disaster risk management of low-income municipalities in Batanes, Philippines  Implementing countries: Philippines	\$39,460.00	\$39,103.00	Rank No 1 <b>Recommended for funding</b> Top-ranked proposal from a female early career professional, addressing climate change and climate variability and disaster risk reduction in marginalised communities in the Philippines.
<b>FP08-Ho Van (M)</b> * Proposal resubmission from FY2022	Promoting adoption of circular economy in agriculture for sustainable development in northern mountainous region of Vietnam  Implementing countries: Vietnam	\$79,250.00	\$77,000.00	Rank No 2 <b>Recommended for funding</b> Highly-ranked proposal proposed by an early career professional, addressing the pressing issue of circular economy of Vietnam's agricultural sector.

## Recommended CAPaBLE projects in FY2024

### Proposal information (Pt.2)

FP Reference	Proposal title	Requested	Recommended	CDC Recommendation
<b>FP16-Flores (M)</b> * ECP	LEAD41PH(Leadership for Environmental Action and Development Through Foresight-One-Planetary Health): A multi stakeholder capacity building on policy and practice for sustainable use of aquatic resources integrating foresight-one-planetary health approach  Implementing countries: Philippines	\$50,000.00	\$49,000.00	Rank No 3 <b>Recommended for funding</b> Highly-ranked proposal proposed by an early career professional, addressing the one planetary health approach for sustainable aquaculture resources in the Philippines.
<b>FP14-Neupane (M)</b> * ECP	Empowering communities: Visualization of citizen science contributions in disaster risk reduction (CSDRR)  Implementing countries: Nepal	\$40,000.00	\$39,000.00	Rank No 5 <b>Conditional funding</b> Suitably ranked proposal proposed by an early career professional. Recommended funding is contingent on identifying local meteorology and hydrology institutions for involvement in the project collaborating team, ensuring linkages with local policy- and decision-makers.

## Recommended CAPaBLE projects in FY2024

### Proposal information (Pt.3)

FP Reference	Proposal title	Requested	Recommended	CDC Recommendation
<b>FP11-Leong (M)</b> * ECP	<p>Co-developing nutrient thresholds in submarine groundwater discharge: An integrated transdisciplinary and capacity development project towards safeguarding the future of coral reefs in the Pacific region.</p> <p>Implementing countries: Fiji, Japan, Pacific Island Countries (Palau)</p>	\$40,000.00	\$39,000.00	Rank No 6 <b>Conditional funding</b> Suitably ranked proposal proposed by an early career professional. Recommended funding is contingent on: 1. Detailed justification requested on the project methodology and rationale for project site selection in Palau. 2. Elaboration requested on detailed roles and responsibilities from all listed collaborators, using the official APN Letter of Collaboration template.
<b>FP02-Xie (F)</b> * Female, ECP	<p>Research-based capacity building for advancing urban nature governance in china for climate resilience and ecosystem restoration (CaBUNA)</p> <p>Implementing countries: China, Indonesia</p>	\$40,000.00	\$39,000.00	Rank No 7 <b>Recommended for funding</b> Suitably ranked proposal proposed by a female early career professional, addressing nature-based solutions for climate resilience and ecosystems restoration in urban cities in China.

## Recommended CAPaBLE projects in FY2024

### Proposal information (Pt.4)

FP Reference	Proposal title	Requested	Recommended	CDC Recommendation
<b>FP07-Gupta (F)</b> * Female, ECP	<p>Integrating climate and biodiversity priorities into urban planning through capacity building: Advancing a Collaborative Approach for Urban Planners and Forest Officials in Assam, India</p> <p>Implementing countries: India</p>	\$40,000.00	\$39,000.00	Rank No 9 <b>Recommended for funding</b> Suitably ranked proposal proposed by a female early career professional, with strong policy synergies with the IPCC-IPBES Joint Report on Climate Change and Biodiversity.

## Recommended CAPaBLE projects in FY2024

Summary information

<p><b>Seven proposals recommended for funding from FY2024</b></p>	<p><b>Total funding distribution utilised: USD 321,103.00</b>                      USD 320,000.00 CAPaBLE budget, full amount                      USD 1,103.00 CRRP redistribution</p>	<p><b>Regional distribution</b>                      Pacific: 1                      South Asia: 2                      Southeast Asia: 3                      Temperate East Asia: 1</p>	<p><b>Gender distribution</b>                      Female: 3                      Male: 4</p>
			<p><b>Early career professionals</b>                      Early career: 6 (3 F, 3M)                      Mid/senior level: 1 (M)</p>



**Thank you for your kind attention.**

**SPG Co-Chairs: Prof. Wenjie Dong, Dr Awnesh Singh**

*26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting  
 BRIN, Jakarta, Indonesia*





**26th Joint Intergovernmental Meeting and  
Scientific Planning Group Meeting**

13-14 June 2024, Jakarta, Indonesia

---

Item 7 of the draft agenda<sup>1</sup>

**Item 7. Report from the subregional committees (Pacific, South Asia, Southeast Asia, Temperate East Asia) followed by discussion**

The Pacific Subregional Committee, South Asia Subregional Committee, Southeast Asia Subregional Committee and Temperate East Asia Subregional Committee will present the discussions held at their respective parallel sessions under Item 4. Subregional parallel sessions of this present meeting.

---

<sup>1</sup> IGM/26/7.

IGM/26/7  
**Report from Subregional Parallel Sessions**  
Pacific

**26th Joint Intergovernmental Meeting/  
Scientific Planning Group Meeting**  
14 June 2024

## 1. Election of two national Focal Points to the Steering Committee

### Recap of the Pacific Subregional Committee Meeting on 9 May 2024

- SPG member for Fiji will follow-up with the appointment of nFP for Fiji:  
**Work in progress (P-SRC)**

## 2. Election of one expert to the Capacity Development Committee

### Recap of the Pacific Subregional Committee Meeting on 9 May 2024

- The SRC has considered potential candidates based on the criteria and candidate information: **Completed (P-SRC)**
  - Dr Morgan Wairiu (First preference)
    - Solomon Island IPCC WG II Vice-Chair Nominee
    - Chief of Party, USAID funded SCALE- Natural Resources Management Project, Winrock International, Solomon Islands
  - Ms Tagaloa Cooper (Second preference)
    - Director of Climate Change Resilience Programme
- The Secretariat to contact the above two candidates for their interests and willingness to serve as Capacity Development Committee: **Work in progress (Secretariat)**

## 3. Election of Chair and Vice-Chair of the Pacific Subregional Committee

### Action Point

- The SRC nominated the nFP and SPG member for New Zealand as the Chair and SPG member for Fiji as Vice Chair for Pacific Subregional Committee

**IGM/26/4**  
**Subregional Parallel Sessions**  
**South Asia**

**26th Joint Intergovernmental Meeting/  
Scientific Planning Group Meeting**  
13 June 2024

Chair: National Focal Point of Sri Lanka (2022-2024)  
Vice-chair: National Focal Point of Bangladesh (2022-2024)

## Participants

- Mr Abu Nayeem Mohammed Maruf Khan (nFP alternate for Bangladesh)
- Prof. Md Giashuddin Miah (SPG member for Bangladesh)
- Mr Saran Pradhan (nFP alternate and SPG member alternate for Bhutan)
- Mr. Kinzang Namgay (CDC member, Bhutan)
- Dr Hemant Prabhakar Borgaonkar (SPG member for India)
- Mr Rabindra Maharjan (nFP alternate for Nepal)
- Dr Madan Lall Shrestha (SPG member for Nepal)
- Ms Wasantha Geethanjali Kumaragama (nFP alternate for Sri Lanka)
- Ms Preethika Jayakody (SPG member alternate for Sri Lanka)



## IGM/26/4 Subregional Parallel Sessions Southeast Asia

26th Joint Intergovernmental Meeting/  
Scientific Planning Group Meeting  
13 June 2024

### 1. Review of action points of previous meetings

#### Introduction and action

The members elected Dr Erna Sri Adiningsih, SPG member of Indonesia to chair the SEA-SRC meeting and Dr. Monthip Sriratana, nFP of Thailand as co-chair.

The Subregional Committee (SRC) is to review the action points of previous meetings (click [here](#)).

## 2. Election of two national Focal Points to the Steering Committee

### Recap of the SEA Subregional Committee Meeting on 8 May 2024

- The Framework Document mandates the SRC to nominate two national Focal Points (nFPs) to the Steering Committee (SC) for a two-year term, with current members' terms ending in June 2024.
- The nFP for Malaysia, represented by an alternate, expressed interest in continuing SC membership.
- The SPG member for Indonesia nominated the nFPs from the Philippines or Thailand as the second candidate.
- The nFP for Thailand showed interest in accepting the nomination.

### Action of the present meeting

- It was unanimously decided and agreed upon by all members present at the meeting that the national Focal Points (nFPs) from Thailand and Malaysia will be elected to the Steering Committee (SC) for a two-year term starting July 2024 to June 2026.

## 3. Election of one expert to the Capacity Development Committee

### Recap of the SEA Subregional Committee Meeting on 8 May 2024

The Framework Document requires each SRC to nominate one capacity development expert for the Capacity Development Committee (CDC) for a two-year term, with the current term of Prof. Juan Pulhin ending in June 2024.

The SRC needs to decide whether to reappoint Prof. Pulhin or nominate a new member for the term from July 2024 to June 2026.

The meeting requested the Secretariat to provide criteria and candidate information, including a summary of Prof. Pulhin's works as the CDC, and each member country will present potential candidates at the 26th Intergovernmental Meeting.

### Progress and action of the present meeting

The Secretariat informed the meeting of Prof. Pulhin's interest in continuing his membership on the Capacity Development Committee (CDC).

After reviewing the summary of Prof. Pulhin's impressive work as a member of the CDC, the meeting unanimously decided to reappoint him to the CDC for another two-year term, starting from July 2024 to June 2026.

## 4. Election of Chair and Vice-Chair of the SEA Subregional Committee

### Introduction

Based on the APN Framework Document, each SRC is to elect a Chair and Vice-Chair at the beginning of its meeting in conjunction with the Intergovernmental Meeting for a two-year term.

### Action

- The Southeast Asia Sub-Regional Committee (SEA SRC) members elected Dr Erna Sri Adiningsih, the SPG member from Indonesia as the Chair of the SEA SRC.
- The Southeast Asia Sub-Regional Committee (SEA SRC) members elected Dr Kim Chi Ngo, the SPG member from Vietnam as the Chair of the SEA SRC.

## 4. Decide who will report under “Item 7. Sub-Regional Committee Reports (Pacific, South Asia, Southeast Asia, Temperate East Asia) followed by discussion” of the present meeting

### Action

- The SRC decided that the SPG member from Malaysia to report under “Item 7. Sub-Regional Committee Reports (Pacific, South Asia, Southeast Asia, Temperate East Asia) followed by discussion” of the present meeting.

## 4. Any other business

The meeting suggested that Malaysia host the next SRC meeting.

The alternate national Focal Point (nFP) of Malaysia expressed willingness to host, contingent upon securing funding approval from the relevant bodies.

There being no other business to discuss, the meeting was adjourned at 4:00 PM.

# IGM/26/7

## Report from the Temperate East Asia Subregional Parallel Session

26th Joint Intergovernmental Meeting and  
Scientific Planning Group Meeting  
13-14 June 2024

### List of participants

#### China

**Ms Dongyang Zhang**  
National Focal Point Alternate  
Administrative Center for  
China's Agenda 21

**Prof. Wenjie Dong**  
SPG Member  
Sun Yat Sen University

#### Japan

**Ms Naoko Nakajima**  
National Focal Point  
Ministry of the Environment

**Prof. Kensuke Fukushi**  
SPG Member  
University of Tokyo

**Dr Yuji Masutomi**  
CDC Member  
National Institute for  
Environmental Studies

#### Mongolia

**Dr Tsogtbaatar Jamsran**  
SPG Member  
Mongolian Academy of Sciences  
(Retired)

#### Republic of Korea

**Dr Soojeong Myeong**  
SPG Member  
Korea Environment Institute

## Election of two national Focal Points to the Steering Committee for Temperate East Asia

In line with the action points from the Temperate East Asia SRC Meeting (virtual) held in May 2024 and in follow-up communication with the SRC members, the two nFPs nominated to serve in the SC from 2024-2026 are:



**Dr Xiaofeng Fu**  
nFP for China  
*Deputy Director General,  
Department of Science and  
Technology for Social  
Development, Ministry of  
Science and Technology*



**Prof Andrey  
Adrianov**  
nFP for Russia  
*Vice President, Russian  
Academy of Science*

## Election of one expert to the Capacity Development Committee representing Temperate East Asia

In line with the action points from the Temperate East Asia SRC Meeting (virtual) held in May 2024, the expert nominated to the CDC Committee is:

**Dr Yuji Masutomi**  
*Head, Asia-Pacific Climate Change  
Adaptation Research Section  
National Institute for Environmental  
Strategies, Japan*



## Election of Chair and Vice-Chair of the Temperate East Asia Subregional Committee

### Chair



**Dr Kensuke Fukushi**  
SPG member for Japan  
*Director and Professor,  
Institute of Future Initiatives,  
University of Tokyo*

### Vice Chair



**Dr Soojeong Myeong**  
SPG member for Korea  
*Senior Research Fellow,  
Korean Environment  
Institute*



**Thank you for your  
kind attention!**



**26th Joint Intergovernmental Meeting and  
Scientific Planning Group Meeting**

13-14 June 2024, Jakarta, Indonesia

---

Item 8 of the draft agenda<sup>1</sup>

**Item 8. Mid-Term Evaluation Report of the 5th Strategic Phase**

The Mid-Term Evaluation Report of the 5th Strategic Phase was, according to the original timeline, scheduled to be finalised prior to and presented at the 26th Intergovernmental Meeting (IGM).

The 54th Steering Committee (SC) Meeting, which was held one day before the 26th IGM, reviewed the final draft of the Mid-Term Evaluation Report and concluded that it requires final editing work.

To complete the editing work, the approval of the IGM is sought to allow the current SC, whose term officially ends with the conclusion of the 26th IGM, to continue working on the draft until late July or early August 2024.

---

<sup>1</sup> IGM/26/8.



## 26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting

13-14 June 2024, Jakarta, Indonesia

Item 9 of the draft agenda<sup>1</sup>

### Item 9. APN Strategic Development

The focus of this item is to discuss the future strategic direction of APN post COVID-19 pandemic with a view to strengthening membership, stakeholder engagement and financial capability.

#### 1. APN's activities and membership engagement

- Overview APN's 30-year success stories.
- Presentation of country portfolios and APN's impact
- Membership engagement

#### 2. Goal 5 of APN's 5th Strategic Plan

- Refer to **Appendix 1** of APN's 5th Strategic Plan (2020-2026).

---

<sup>1</sup> IGM/26/9.

# IGM/26/9 Future Strategic Development of APN

26<sup>th</sup> Intergovernmental Meeting  
Jakarta, Indonesia, 14 June 2024

**APN** ASIA-PACIFIC NETWORK FOR  
GLOBAL CHANGE RESEARCH

Present a video showcasing  
**APN IMPACTS**

**APN** ASIA-PACIFIC NETWORK FOR  
GLOBAL CHANGE RESEARCH

## Background: 5th Strategic Phase

During the 5th Strategic Phase, APN is expected to **strengthen partnerships and promote regional research and capacity building**, and developed 5 key goals to address these objectives.



### Goal 5: APN and its operations

- Expected to enhance **the institutional, operational and financial base that is efficient, durable, equitable** and able to support APN and its activities.

### Background: Goal 5 on APN and its operations

- 1 Exploring possibilities of further streamlining the operation of the organs and sub organs of APN.
- 2 Identifying appropriate and realistic targets for operational cost reduction.
- 3 Developing **fundraising capability to secure a balanced financial base with the contribution of member countries, as well as other sources**, including the private sector.
- 4 Scrutinizing options for partnership activities in cost-sharing manner.

# Current Challenges

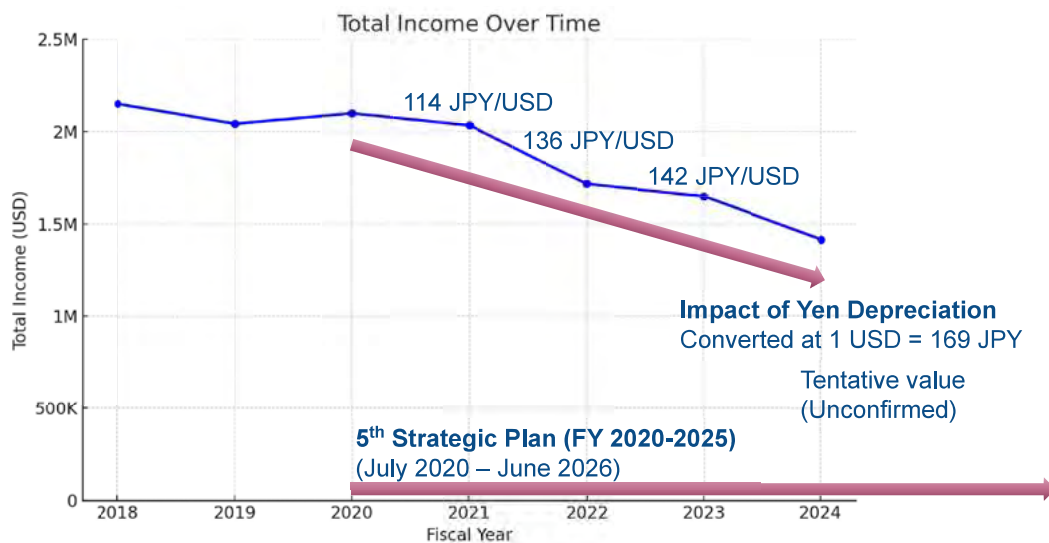
3

Developing fundraising capability to secure a balanced financial base with the contribution of member countries, as well as other sources, including the private sector.

1. **Long-term depreciating yen.** Even if Japan is able to keep the same level of funding, the value against the dollar is dropping significantly.
2. **Member country donations:** 4 years into a 6-year phase and there is now a need to focus on our financial base given the crucial nature of our situation.
3. **26th IGM:** We must use the opportunity of meeting in-person for the first time in 6 years to address this sense of crisis.



## Income trend (FY2018-FY2024) \* new income



## Short-term plan: Outputs and Action Points of the Ad-hoc SC Meeting

- **Create a video showcasing the success stories of APN** over the past 30 years for the 26th IGM Meeting, focusing on major challenges such as climate change.
- **Create Portfolios for all countries** and conduct research on funding mechanisms used by other institutions.
- Conduct a survey designed by the task force to gather insights post-portfolio distribution.
- Consider how APN could disseminate information on APN projects on **clean/green energy to private sector** and consider potential collaboration.
- Conduct focused discussions on financial foundations, strengthening membership engagement, and **task force development** at the 54th SC Meeting and the **26th IGM Meeting**.

## (Idea) Capability development in the APN Secretariat

1. **Introduction and Implementation of AI and Innovation Initiatives** Utilize **generative AI services** to enhance business efficiency and expand creative activities. Dedicate 80% of work time to current tasks and 20% to new initiatives, expecting incremental changes. Engage in experimental activities by allocating 20% of everyone's time, starting with small-scale projects. Launch small projects to improve business efficiency through digitalization.
2. **Formation of a Fundraising Team** Strengthen the ability to accept funds, which will require additional personnel. We seek the following **personnel exchange staff** within the limitations of APN's annual budget.
3. **Personnel Exchange Staff from Member Countries** Promote the participation of **administrative officials from member countries** in remote work. The position is 2-3 years long. Personnel costs will be borne by each respective organization.
4. **Expansion of Personnel Exchange** Encourage **local government officials and private sector employees** to work at APN to gain international experience through an internship program. The position is for 2-3 years. Personnel costs will be borne by each respective organization.
5. **Proposed Duties for Personnel Exchange Staff**
  - Hold a task force and compile action plans for diversifying funding sources.
  - Collect information and execute specific measures for diversifying funding sources.
  - Disseminate information and engage in external negotiations for funding.

## Direction

- Financial foundations, strengthening membership engagement, and task force development
- Explore fundraising models used by other organizations.
- Explore possible foundations for collaborative research to secure seed funding.
- Task force will be responsible for the above exploration and summarize the action plan and roadmap to diversify funding.
- **Anything else we can discuss today?**

**Thank you**

and we look forward to hearing your constructive ideas that can be taken up by the new Steering Committee that will convene immediately after our deliberations today.



**26th Joint Intergovernmental Meeting and  
Scientific Planning Group Meeting**  
13-14 June 2024, Jakarta, Indonesia

Item 10 of the draft agenda<sup>1</sup>

**Item 10. New Activities for 2024**

The APN Secretariat is proposing new activities to the Steering Committee (SC) at its 54th SC Meeting on 12 June 2024. The results will be provided during the present item.

---

<sup>1</sup> IGM/26/10.

# IGM/26/10 New Activities

26<sup>th</sup> Intergovernmental Meeting  
Jakarta, Indonesia, 14 June 2024

## New Activities

- 7.1 ISAP2024 Parallel Session on Partnerships for Sustainability
- 7.2 TEA-SRC In-person Subregional Cooperation Meeting and PDTW
- 7.3 Activity with China and Sun Yat-sen University
- 7.4 Engagement of Early-Career Professionals in the seventh assessment cycle of the IPCC (IPCC AR7)

## Proposed New Activities

### 7.1 ISAP2024 Parallel Session on Partnerships for Sustainability

**Budget: USD 2,700**

- On 23 July, IGES will host the 16th International Forum for Sustainable Development in Asia and the Pacific (ISAP2024).
- APN has successfully secured a parallel session at this year's event, focusing on APN-funded projects by IGES researchers and their transformative potential.
- Future Earth Japan will provide feedback on key presentations and facilitate a panel discussion with IGES researchers.
- Supported by Japan's MOEJ, this event highlights the efficacy of collaborative models in advancing sustainability research in the Asia-Pacific region.

## Proposed New Activities

### 7.2 TEA-SRC In-person Subregional Cooperation Meeting and PDTW

**Budget: USD35,000**

- Since 2008, APN has conducted 17 in-person and virtual Proposal Development Training Workshops (PDTWs) across the Asia-Pacific, with the first Pacific-based PDTW scheduled in Fiji in August 2024.
- The objectives of PDTWs include raising awareness about APN, increasing proposal submission capacity, fostering networking opportunities, enhancing participation in regional research, and empowering knowledge sharing of global change research and the APN proposal process.
- The last in-person PDTW for the Temperate East Asia (TEA) region was held in Tokyo in 2018, training 21 researchers from the region.

## Proposed New Activities

### 7.3 Activity with China and Sun Yat-sen University

**Budget: USD8,000**

- Sun Yat-Sen University is currently celebrating its 100th anniversary honouring its founder, Mr. Sun Yat-sen, who was educated in Japan and supported by Japanese friends.
- To commemorate this milestone, the university will organise a special cruise with China's largest and most advanced ocean research vessel, departing from Zhuhai in October 2024 and docking in Kobe, Japan.
- The university invites the APN Secretariat to board the ship for a meeting in Japan, offering to host academic activities and provide the ship's facilities free of charge, fostering new cooperation between Chinese institutions and APN.

## Proposed New Activities

### 7.4 Engagement of Early-Career Professionals in the seventh assessment cycle of the IPCC (IPCC AR7)

**Budget USD15,000**

- AR6 IPCC cycle confirmed human activities cause climate change, leading to extreme weather, rising sea levels, and biodiversity loss. **APN contributed over 100 citations.**
- On January 20, 2024, the IPCC concluded its 60th Plenary in Istanbul, setting the framework for the AR7 cycle with contributions from three Working Groups. The Synthesis Report is due by late 2029.
- APN will continue to support Early Career Professionals (ECPs) in the AR7 cycle with workshops, collaborating with the University of UKM National University of Malaysia and partners to enhance coverage in Southeast Asia, South Asia, and the Pacific. **FP is the Co-Chair of IPCC WGIII - Prof Joy Jacqueline Pereira**
- Expected outcomes: increased peer-reviewed publications and sustained scientific participation from ECPs in As-Pacific to participate in the work of the IPCC 7th assessment cycle.



---

**26th Joint Intergovernmental Meeting and  
Scientific Planning Group Meeting**  
13-14 June 2024, Jakarta, Indonesia

---

Item 11 of the draft agenda<sup>1</sup>

**Item 11. Approved work programme and budget for FY2024**

The APN Secretariat is proposing the work programme and budget for FY2024 to the Steering Committee (SC) at its 54th SC Meeting on 12 June 2024. The results will be provided during the present item.

---

<sup>1</sup> IGM/26/11.

IGM 26-11: Proposed Work Programme and Budget Allocation for FY 2024

**Budget Allocation for FY 2024/25**

(1 July 2024-30 June 2025)

\*as of 31 May 2024

Exchange Rates in FY 2024/25

USD 1 = JPY 169  
USD 1 = NZD 1.636  
USD 1 = KRW 1,376

All figures in USD

**Resources**

MOEJ (JPY208,960,000)	1,236,450
Hyogo (JPY 21,181,000)	125,331
New Zealand (NZD 30,000)	18,333
Republic of Korea (KRW 49,000,000)	35,568
Refunds from projects & exchange rate fluctuations in FY 2022/2023	114,624
Other balance from FY 2022/2023	64,824
Contingency	100,000
<b>Total (A)</b>	<b>1,695,130</b>

**Use of Resources**

Projects and Other Activities	Allocation
Collaborative Regional Research Programme (CRRP)	678,897
Capacity Development Programme (CAPaBLE)	321,103
Science-policy linkages; Travel for Scientific events	15,000
APN Meetings (SC, SPG-SC, CDC)	35,000
Knowledge management	2,200
Travel for institutional affairs	15,000
Hyogo Activities	32,503
Outsourcing translation cost mainly for Hyogo events	3,000
Activity with China and Sun Yat-Sen University	8,000
TEA-SRC In-person meeting and PDTW	35,000
ISAP2024 Parallel Session on Partnerships for Sustainability	2,700
IPCC AR7 ECP Capacity Building Workshops for their engagement in the IPCC AR7 Cycle	15,000
<b>Sub Total Projects and Other Activities (B)</b>	<b>1,163,403</b>

Administration and Operational Costs	Allocation
Personnel cost	438,000
Travel for administrative purposes	1,200
General maintenance & operational cost	28,000
Equipment upgrade	2,967
IGES administrative overhead (3% of MOEJ contribution)	36,560
<b>Sub Total Administration and Operational Costs (C)</b>	<b>506,727</b>

<b>Contingency (D)</b>	<b>25,000</b>
------------------------	---------------

<b>Total (B)+(C)+(D)</b>	<b>1,695,130</b>
--------------------------	------------------

**Committed Resources**

Carry-over from FY2023	Allocation
Science-policy linkages; Travel for Scientific events	6,700
Carry-over from FY2022	Allocation
World Climate Change Programme (WCRP) Open Science Conference	8,000
APN Early-Career Professionals Network	4,000
Carry-over from FY2021	Allocation
Proposal Development Training Workshop (PDTW) in the Pacific	50,000
Regional partnership for localization of NDC through community-led 'local adaptation innovation hubs' in the Asia-Pacific Region	12,000
Carry-over from FY2020 due to COVID-19	Allocation
Syntheses of products from Climate Adaptation Framework	5,668
Carry-over from FY2019 due to COVID-19	Allocation
Pacific Scoping Meeting	44,825
Carried over for Ongoing Projects (FY 2018-FY 2023)	Allocation
CRRP 2023	162,325
CAPaBLE 2023	92,232
CRRP 2022	155,488
CAPaBLE 2022	91,160
CRRP 2021	166,200
CAPaBLE 2021	81,940
CRRP 2020	182,387
CAPaBLE 2020	50,350
CRECS 2019+2020	6,880
CRRP 2019	109,088
CAPaBLE 2019	13,413
ECSC (Early Career Science Communicators) 2019	505
CRRP2018	22,321
<b>Sub Total Committed Resources (E)</b>	<b>1,265,482</b>

<b>Total Resources under Operation in FY 2023/24 (B)+(C)+(D)+(E)</b>	<b>2,960,612</b>
--	------------------



**26th Joint Intergovernmental Meeting and  
Scientific Planning Group Meeting**

13-14 June 2024, Jakarta, Indonesia

---

Item 12 of the draft agenda<sup>1</sup>

**Item 12. Confirmation of the Members of the new Steering Committee (2024-2026) and Vote of Thanks to outgoing Steering Committee Members (2022-2024)**

The Intergovernmental Meeting will confirm new members to the Steering Committee nominated by each subregional committee. Additionally, the Intergovernmental Meeting will express gratitude to the outgoing members for their dedicated service and acknowledge their contributions.

---

<sup>1</sup> IGM/26/12.

# IGM/26/12

## Confirmation of members of the Steering Committee for the term of 2024-2026 and vote of thanks to outgoing members

26th Joint Intergovernmental Meeting/  
 Scientific Planning Group Meeting  
 14 June 2024



### 1. New/continuing members of the Steering Committee for the term of 2024-2026

**Pacific**

- Dr Douglas Hill, nFP and SPG member for New Zealand

**South Asia**

- Mr Iqbal Abdullah Harun, nFP for Bangladesh

**Southeast Asia**

- Mr Muhammad Helmi Abdullah, nFP for Malaysia
- Dr Monthip Sritatana Tabucanon, nFP for Thailand

**Temperate East Asia**

- Dr Xiaofeng Fu, nFP for China
- Prof. Andrey Adrianov, nFP for the Russian Federation

**Scientific Planning Group Co-Chairpersons**

- Prof. Md. Giashuddin Miah, SPG member for Bangladesh
- Dr Awnesh Singh, SPG member for Fiji

**Donor country representatives**

- Ms Naoko Nakajima, nFP for Japan
- Mr Lee Hyung Sup, nFP for the Republic of Korea
- Dr Douglas Hill, nFP and SPG member for New Zealand



## 2. Vote of thanks to outgoing members

### Pacific

- Mr Krishan Pratap, nFP for Fiji

### South Asia

- Mr Rajendra KC, nFP for Nepal
- Mr Muhammad Azim Khoso, nFP for Pakistan

### Southeast Asia

- Mr Virasack Chundara, nFP for Lao PDR

### Temperate East Asia

- Dr Tserendulam Shagdarsuren, nFP for Mongolia

### Scientific Planning Group Co-Chairpersons

- Prof. Wenjie Dong

### Invited Expert

- Dr Lance Heath



## Section 4

---

# Appendices



## 26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting

13-14 June 2024, Jakarta, Indonesia

Interactive Session I, 13 June 2024

### Appendix 1. Interactive Session I: CAF-DRR-L&D Book Launch

The APN has launched its latest publication, “Linking Climate Change Adaptation, Disaster Risk Reduction, and Loss & Damage”, published by Palgrave Macmillan Singapore. The book launch took place on 13 June 2024 at the National Research and Innovation Agency (BRIN) in Jakarta, Indonesia, alongside APN’s 26th Joint Intergovernmental and Scientific Planning Group Meeting.

This publication, a milestone in APN’s Climate Adaptation Framework (CAF) launched in 2013, integrates climate adaptation, disaster risk reduction, and loss and damage. The book highlights evidence-based approaches and actionable strategies to enhance resilience and mitigate climate impacts. It bridges the gap between research and policy, supporting global frameworks such as the UNFCCC Paris Agreement, the Warsaw International Mechanism, and the Sendai Framework for Disaster Risk Reduction.

#### Highlights of the interactive session

Dr Douglas Hill, speaking on behalf of the APN Steering Committee Chair, welcomed distinguished guests and highlighted the publication’s importance as a collaboration between APN and SLYCAN Trust. He underscored the need for evidence-based solutions to address climate change impacts and praised the inclusion of 14 case studies from 10 countries, eight of which are cited in the IPCC AR6 report. These outputs significantly contribute to the Asia-Pacific region’s science-policy interface, resilience-building and sustainable development.

The book was officially unveiled by Dr Linda Anne Stevenson, Acting Director of the APN Secretariat and an editor of the publication, alongside Dr Hill. Dr Nafesa Ismail, another editor, provided an overview, introducing the authors and discussing the motivation and objectives behind the work.

#### Contributions and key messages

The event featured video messages from prominent contributors, including:

- Dr Senaka Basnayake (Asian Disaster Preparedness Center)
- Dr Sivapuram Prabhakar (Institute for Global Environmental Studies)
- Mr Michael Boyland (SOAS, University of London)
- Dr Kees van der Geest (United Nations University – Institute for Environment and Human Security)

- Ms Hina Lotia (Independent Expert on Climate Change)
- Mr Dennis Mombauer (SLYCAN Trust)
- Dr Lam Vu Thanh Noi (Southern Institute of Water Resources Research, Vietnam)
- These speakers emphasised the importance of amplifying marginalised voices, bridging policy and action, and improving resilience-building interventions. They also called for clarity in non-economic loss and damage research and differentiated approaches to address societal and environmental costs.

Dr. Akio Takemoto, former APN Director from 2011 to 2014, who initiated the CAF Scoping Workshop in 2012, delivered the keynote address. He congratulated APN and its contributors, noting the publication's role in addressing the increasing frequency of extreme climate events. He also recognised the Ministry of the Environment of Japan for its support in this research area.

### **Honouring Prof Saleemul Huq OBE (1952–2023)**

The event paid tribute to Prof Saleemul Huq OBE, a renowned expert and advocate for loss and damage, who contributed the book's foreword. Prof Huq's invaluable insights, mentorship and leadership in climate adaptation were celebrated, with his legacy serving as a guiding force for ongoing efforts towards urgent climate action and resilience.

### **Closing remarks**

Dr Stevenson concluded the event by expressing gratitude to all contributors and collaborators. She highlighted the critical intersections of climate adaptation, disaster risk reduction and loss and damage, reaffirming APN's commitment to advancing science-based strategies for transformative change.

The event concluded with a call to action, encouraging attendees to explore the publication and join efforts to build a more resilient and sustainable world through continued collaboration.

# APN Book Launch

**Linking Climate Change Adaptation, Disaster Risk Reduction, and Loss & Damage**

**APN** ASIA-PACIFIC NETWORK FOR  
GLOBAL CHANGE RESEARCH

## Welcome remark by Dr Douglas Hill

- APN Steering Committee Chair
- APN National Focal Point for New Zealand
- APN Scientific Planning Group member for New Zealand



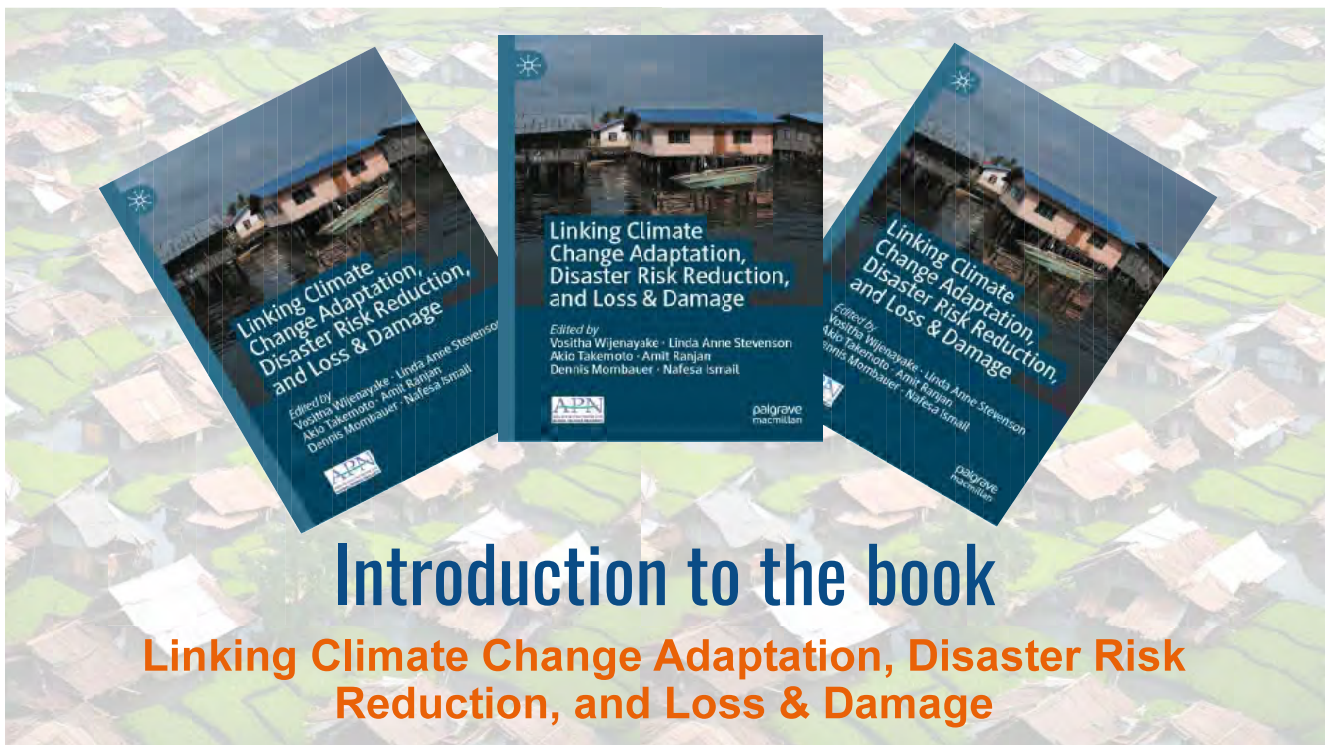
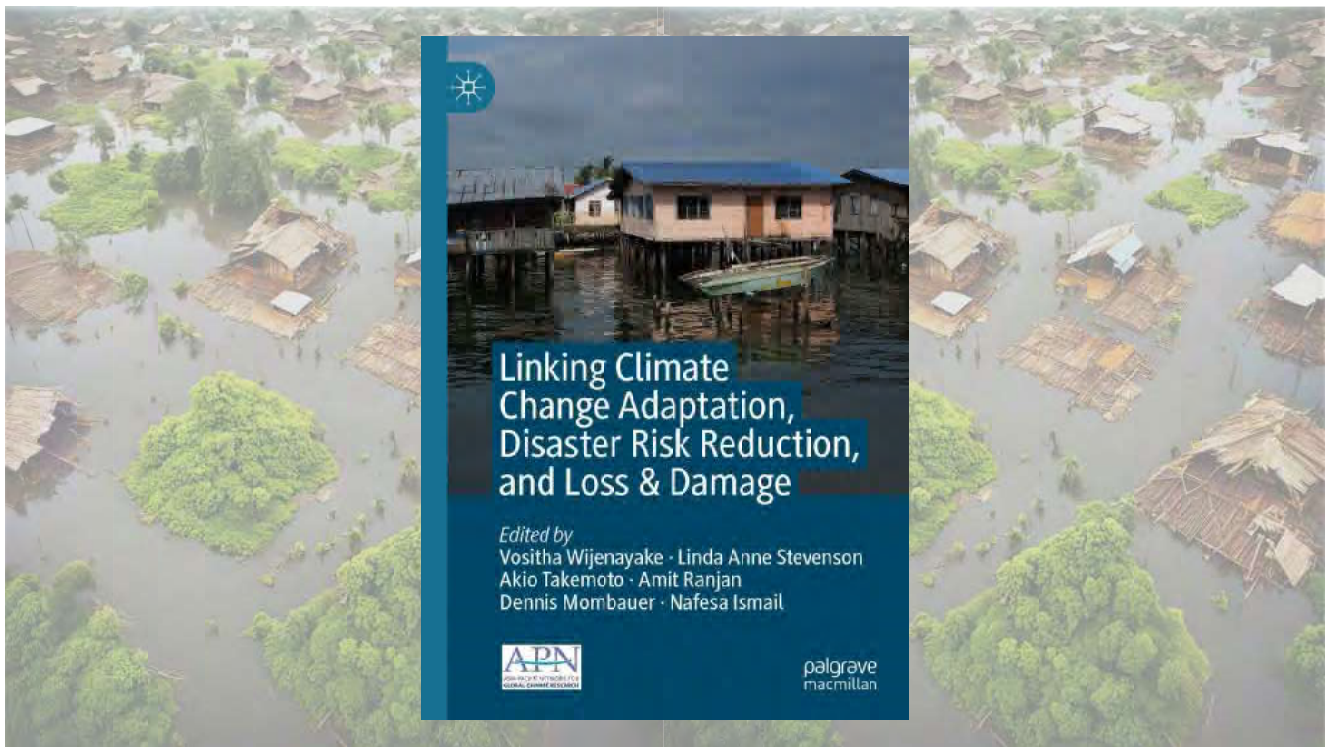
**APN** ASIA-PACIFIC NETWORK FOR  
GLOBAL CHANGE RESEARCH

## Event overview

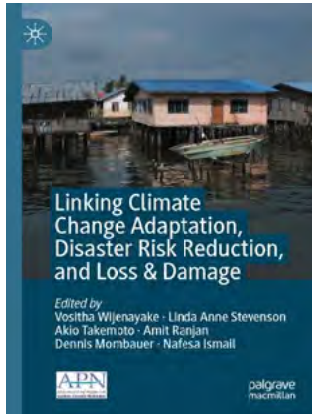
---

- Book unveiling session
- Introduction to the book
- Strategic message from key figures - *Video messages from book chapter contributors*
- Keynote by distinguished expert - *Video messages from Dr Akio Takemoto*
- Closing remarks

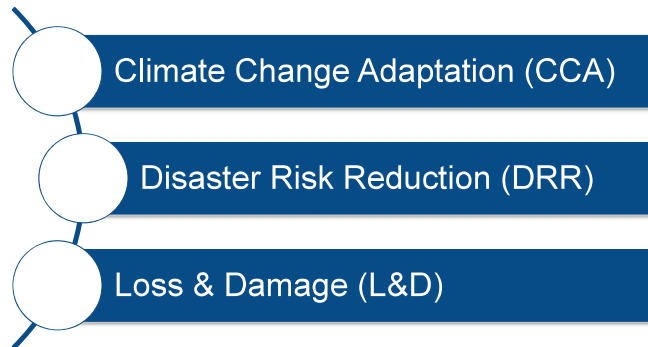




## Introduction to the book



## Linking Climate Change Adaptation, Disaster Risk Reduction, and Loss & Damage



## Linking Climate Change Adaptation, Disaster Risk Reduction, and Loss & Damage





## Editors

- (1) Dr Akio Takemoto
- (2) Mr Dennis Mombauer
- (3) Dr Amit Ranjan
- (4) Dr Linda Anne Stevenson
- (5) Ms Vositha Wijenayake
- (6) Dr Nafesa Ismail

### In the memory of Prof. Saleemul Huq OBE (1952-2023)

- Renowned climate change expert and advocate.
- Contributed significantly to understanding climate change impacts and resilience building.
- Veteran at the UNFCCC COP and advisor on climate policy and strategy.
- Accomplished scientist, champion of intellectual rigor, great mentor, and natural leader.
- Early champion of climate adaptation when it was highly controversial.



#### Key Contributions:

- Urgency of Climate Action
- Focus on Loss and Damage (L&D)
- Policy Integration
- Inclusive Approaches
- Scientific Evidence
- Future Outlook

## Contributor (Foreword)



**Contributor (Chapters)**

# Motivations Behind the Book



## Goals of the Book

- Bridge Research and Policy
- Inform Decision Makers
- Integrated Approaches
- Addressing Multiple Dimensions
- Promote Adaptive Governance
- Targeted Strategies
- Highlight Synergies
- Empower Communities
- Comprehensive Assessment Frameworks
- Future-Oriented Approaches



## A Glimpse of the Establishment of APN's CCA, DRR, and L&D Framework...continuation

Collaborative Partners:



### Scoping Workshop: Kobe, Japan, 2012

- Objective: Develop APN Climate Adaptation Framework (CAF)
- Outcome: Identify key activities for climate adaptation and resilience

### Enhancing understanding of:

- Risk of slow onset events
- Non-economic losses and damages
- Impacts on the most vulnerable populations
- Approaches to address slow onset events and extreme weather events
- 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

### High-Priority Activities:

- Develop high-resolution datasets
- Share needs-oriented data
- Calibrate and validate regional climate models
- Assess projections and uncertainties
- Improve communication skills with stakeholders
- Utilize climate data for adaptation
- Data collection
- Enhancing coordination
- Strengthening regional collaboration
- Capacity-building
- Strengthening institutional arrangements



Figure: UN Framework Convention on Climate Change (2017). Source: Online Guide on Loss and Damage.



# A Glimpse of the Establishment of APN's CCA, DRR, and L&D Framework



## Background and Financial Support

**Supported by:** Ministry of the Environment, Japan (MOEJ)

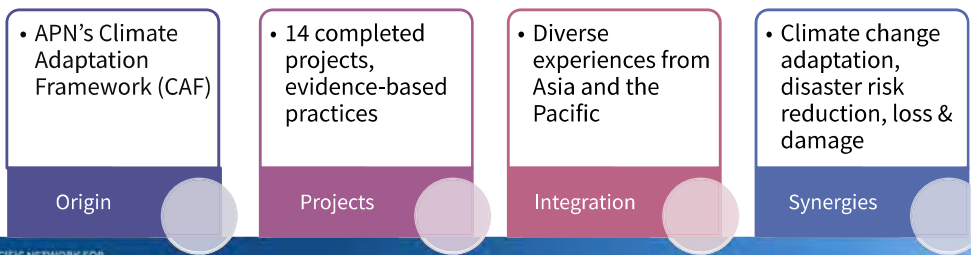
**Funding:** USD 680,000

**Launch Date:** 31st August 2013 (Bangkok)

**Event:** APAN's Forum on Loss and Damage

**Call for Proposals:** CRRP and CAPaBLE

**Project Start Dates:** December 2013 & March 2014



**Thank You for Your Attention!**

**Linking Climate Change Adaptation, Disaster Risk Reduction, and Loss & Damage**

## Strategic message by contributing authors



## Keynote speaker



*“Collaborating Across Sectors to Harness Knowledge and Technology for Climate Resilience”*

### Dr Akio Takemoto

- Head of Programme and Administration, UNU-IAS Tokyo
- APN Director at Asia-Pacific Network for Global Change Research (APN) from 20 July 2011 to 11 July 2014.
- Part of the Climate Adaptation Framework (CAF), in the Scoping Workshop in Kobe, Japan in 2012





## Vote of Thanks

**Dr Linda Anne Stevenson**

Acting Director, Asia-Pacific Network  
for Global Change Research (APN)

## Future Outlook and Key Takeaways

Integrated Approaches	Evidence-Based Decision Making	Inclusive and Participatory Methods
Holistic Resilience Building	Synergies and Linkages	Capacity Building
Real-World Applications	Sustainable Development	Policy Integration
	Forward-Thinking Strategies	



**So, why not grab a copy now?**

**Expert Contributions**

**Timely and Relevant**

**Essential Resource**

**Support Sustainable Development**

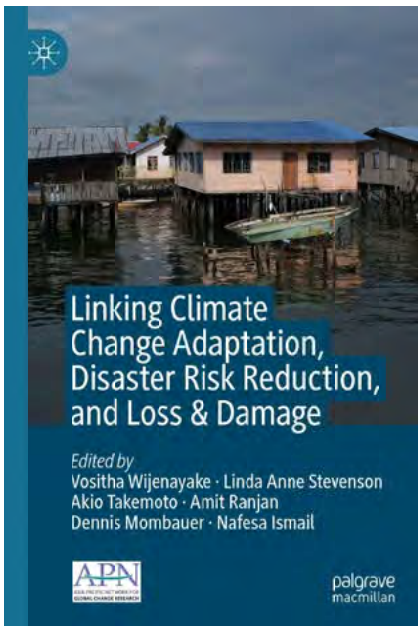
**Be informed**

**Get involved**

**Take action!**

**Springer Link website**

**Amazon website**



## Thank You for Your Attention

*For more information and to purchase the book, please visit the APN as well as the Springer Link website.*

*You can also find a discount code valid through June and July 2024 which was included in your name tag.*



## 26th Joint Intergovernmental Meeting and Scientific Planning Group Meeting

13-14 June 2024, Jakarta, Indonesia

Interactive Session II, 13 June 2024

### Appendix 2. Interactive Session II: ECP Poster & Networking

The 10th APN Early Career Professional (ECP) Poster and Networking Session was held on 13 June 2024 at the National Research and Innovation Agency (BRIN) in Jakarta, Indonesia. The session provided a platform for ECPs to present their research under the theme “*Climate Change Adaptation and Disaster Risk Reduction*”.

Dr Linda Stevenson, Acting Director of the APN Secretariat, opened the session with a welcoming address, highlighting its importance in fostering learning, networking and collaboration. She encouraged active engagement among participants and emphasised the value of connecting with peers and mentors.

#### Highlights of the interactive session

The event featured 11 ECPs presenting research on topics such as integrating climate change adaptation and disaster risk reduction into spatial planning, the impact of climate change on agriculture, nature-based solutions for resilience and coastal and marine environmental management.

APN members and event attendees had the chance to explore the posters, engage in discussions with the ECPs and provide feedback. This interactive session not only facilitated knowledge exchange but also helped build a supportive community of ECPs.

#### The Mitra Award for Global Change Research

Dr Nurrohman Wijaya from the Bandung Institute of Technology received the prestigious Mitra Award for Global Change Research and subsequently delivered a presentation. Established in honour of the late Professor Emeritus Dr Ashesh Proshad Mitra, a distinguished APN member, the award recognises exceptional contributions to global change research.

The complete list of awardees is as follows:

- **Winner:** Dr Nurrohman Wijaya (Bandung Institute of Technology) – A Proposed Framework for Integrating Climate Change Adaptation and Disaster Risk Reduction into Spatial Planning in Indonesia
- **First Runner-up:** Ms Astrid Yusara (Hokkaido University) – Development of MATCRO-Soy, a Process-based Model for Global Soy Yield Estimation


- **Second Runner-up:** Ms Maya Eria Sinurat (Institut Pertanian Bogor [IPB]) – Evaluation of Coastal Sea Levels from JASON-2 Satellite Altimeter in Indonesian Regional Seas

### Showcasing the APN-ECAP Initiative

The session also featured a poster from the APN project, Asia-Pacific Network of Early Career Professionals for Global Change Research (APN-ECAP) Platform for Visibility in Global Change and Sustainability (AOA2023-01SY-Saurav), presented by Ms Ayushmita Pokhrel, Research Associate at the Center of Research for Environment, Energy, and Water. The APN-ECAP initiative aims to foster collaboration, capacity building, and professional development among ECPs, contributing to global change research efforts.

### Full list of participants and research topics

- Dr Ariyaningsih Ariyaningsih (Institut Teknologi Kalimantan): Climate Village as an Adaptation to Enhance Disaster Resilience: Case Study of Balikpapan City, Buffer Area of New Capital City
- Dr Tri Atmaja (BRIN): Navigating Indonesia's Sustainable and Climate-resilient Future through Nature-based Solutions: A Systematic Literature Review
- Ms Inayah Hidayati (BRIN): Empowering Communities: Local Leaders and Sea Level Rise Relocation in Demak
- Ms Zetil Hikmah (PT Telkom Indonesia): Forecasting Climate Change Impacts on Red Onion Yield in Brebes Regency
- Dr Muhammad Ramdhan (BRIN): GIS-based Estimation of Shoreline Change in the Olie Pier Harbour Heritage Site, Manggar, East Belitung, Indonesia
- Mr Seftiawan Samsu Rijal (Universitas Brawijaya): Mapping Mangrove Above-Ground Carbon Using Multi-Source Remote Sensing Data and Machine Learning in Loh Buaya, Komodo National Park, Indonesia
- Ms Putri Sari (Andalas University): Capability of Public Health Centres to Manage the Risk of Climate Change: Case Study in Padang, Indonesia
- Ms Maya Eria Sinurat (IPB): Evaluation of Coastal Sea Levels from JASON-2 Satellite Altimeter in Indonesian Regional Seas
- Ms Ni Putu Asri Ratna Suhita (IPB): Sea Level Rise, Land Subsidence, and Flood Disaster Vulnerability Assessment: A Case Study in Medan City, Indonesia
- Ms Astrid Yusara (Hokkaido University): Development of MATCRO-Soy, a Process-based Model for Global Soy Yield Estimation
- Dr Nurrohman Wijaya (Bandung Institute of Technology): A Proposed Framework for Integrating Climate Change Adaptation and Disaster Risk Reduction into Spatial Planning in Indonesia



**APN Secretariat**  
East Building, 4F  
1-5-2 Wakinohama Kaigan Dori  
Chuo-ku, Kobe 651-0073 JAPAN  
Tel : +81-78-230-8017, Fax: +81-78-230-8018  
Email: [info@apn-gcr.org](mailto:info@apn-gcr.org)