

APBON – Publications FY2023

- ASEAN Centre for Biodiversity (2023). ASEAN Biodiversity Outlook 3. Retrieved from <https://abo3.aseanbiodiversity.org/>
- Baloloy A.B. et al. (2023). Mapping Multi-decadal Mangrove Forest Change in the Philippines: Vegetation Extent and Impacts of Anthropogenic and Climate-Related Factors. In: Leal Filho, W., Kovaleva, M., Alves, F., Abubakar, I.R. (eds) Climate Change Strategies: Handling the Challenges of Adapting to a Changing Climate. Climate Change Management. Springer, Cham. https://doi.org/10.1007/978-3-031-28728-2_12
- Chaudhary S. et al. (2023). Effects of a changing cryosphere on biodiversity and ecosystem services, and response options in the Hindu Kush Himalaya. In ICIMOD (P. Wester, et al. [Eds.]), Water, ice, society, and ecosystems in the Hindu Kush Himalaya: An outlook (pp. 123–163). ICIMOD. <https://doi.org/10.53055/ICIMOD.103>
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- Dalton, D. et al. (2024). A framework for monitoring biodiversity in protected areas and other effective area-based conservation measures. IUCN WCPA Technical Report Series No. 7. <https://doi.org/10.2305/HRAP7908>
- Gonzalez A. et al. (2023). A global biodiversity observing system to unite monitoring and guide action, Nature Ecology & Evolution 7, 2173. <https://doi.org/10.1038/s41559-023-02263-x>
- Hughes A.C. and Grumbine R.E. (2023). The Kunming-Montreal Global Biodiversity Framework: what it does and does not do, and how to improve it. Frontiers in Environmental Science, 11. <https://doi.org/10.3389/fenvs.2023.1281536>
- Hughes A.C. (2023). The Post - 2020 Global Biodiversity Framework: How did we get here, and where do we go next? Integrative Conservation 2(1) 1-9. <https://doi.org/10.1002/inc3.16>
- ICIMOD (2023). Water, ice, society and ecosystems in the Hindu Kush Himalaya: An outlook. (P. Wester, S. Chaudhary, N. Chettri, M. Jackson, A. Maharjan, S. Nepal & J.F. Steiner [Eds.]). ICIMOD. <https://doi.org/1053055/ICIMOD.1028>
- Kass J. et al. (2023). Biodiversity modeling advances will improve predictions of nature's contributions to people. Trends in Ecology & Evolution. <https://doi.org/10.1016/j.tree.2023.10.011>
- Macintosh D. et al. (2023). IUCN Red List of Ecosystems, Mangroves of the Western Coral Triangle. EcoEvoRxiv. <https://doi.org/10.32942/X21K5P>
- Mori A.S. et al. (2023). Sustainability challenges, opportunities, and solutions for long-term ecosystem observations. Philosophical Transactions of the Royal Society B: Biological Sciences 378: 20220192. <https://doi.org/10.1098/rstb.2022.0192>
- Muraoka H. et al. (2023). Review: Long-term and multidisciplinary research networks on biodiversity and terrestrial ecosystems – findings and insights from Takayama super-site, central Japan. Journal of Ecology and Environment (in press)
- Plumptre A.J. et al. (2024). Targeting site conservation to increase the effectiveness of new global biodiversity targets, One Earth, 7 (1):11–17. <https://doi.org/10.1016/j.oneear.2023.12.007>
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- Shin N. et al. (2023). Mining plant phenology records from Kanazawa, Japan in the 1807–1838 Kakuson Diary. International Journal of Biometeorology. <https://doi.org/10.1007/s00484-023-02576-3>
- Shin N. et al. (2024). Perspective and review: how to develop our understanding of temporal changes in the relationship between people and the landscape under societal and climate change in Northeast Asia? Front. Environ. Sci. 12:1236664. <https://doi.org/10.3389/fenvs.2024.1236664>
- Shin N. et al. (2024). Retrieval of cherry flowering phenology on Flickr and YouTube: a case study along the Tarumi railway, Gifu, Japan. Front. Sustain. Tour. 3:1280685. <https://doi.org/10.3389/frsut.2024.12806>
- Special issues by Sino BON:
 - ▶ Biodiversity Science special issue, 2023. 12. Online. <https://www.biodiversity-science.net/CN/article/showNewArticle.do>
 - ▶ Life World special issue, 2023. 08. <https://academic.hep.com.cn/lifeworld/CN/1673-0437/current.shtml>
- Trisurat Y. et al. (2023). Climate change impacts on species composition and floristic regions in Thailand. Diversity 15, 1087. <https://doi.org/10.3390/d15101087>
- Wee A. et al. (2023). Prospects and challenges of environmental DNA (eDNA) metabarcoding in mangrove restoration in Southeast Asia. Frontiers in Marine Science. <https://doi.org/10.3389/fmars.2023.1033258>

Presentation materials are all accessible through the APBON website at:

<http://www.esabii.biodic.go.jp/ap-bon/index.html>



APBON
Asia Pacific Biodiversity
Observation Network

APBON Secretariat
Biodiversity Center of Japan, Nature Conservation Bureau,
Ministry of the Environment

Date of issue: September 1, 2024

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DOI: 10.34462/0002000130



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Asia Pacific Biodiversity
Observation Network

APBON is supported by:










APBON Highlights FY2023

APBON (Asia Pacific Biodiversity Observation Network) is a network for observations and assessments of biodiversity, and a platform for science-policy engagement.

Our mission is to increase the exchange of knowledge and know-how between institutions and researchers concerning biodiversity science research in the Asia-Pacific (AP) region and thereby contribute to evidence-based decision-making and policy-making.

APBON highlights at a glance

Networking and National BON

- APBON: 4 webinars and 1 workshop
- Restart the JBON's activities: capacity-building WS

Policy

- Japan's 6th NBSAP for 2023–2030 was adopted, the 30by30 initiative was launched
- Thailand's NBSAP: Revision and inclusion of the 30 x 30 GBF target
- Co-organized side event at the 26th SBSTTA meeting: Strengthening National Biodiversity Monitoring Systems for Enhanced Implementation of the KM-GBF

Biodiversity data

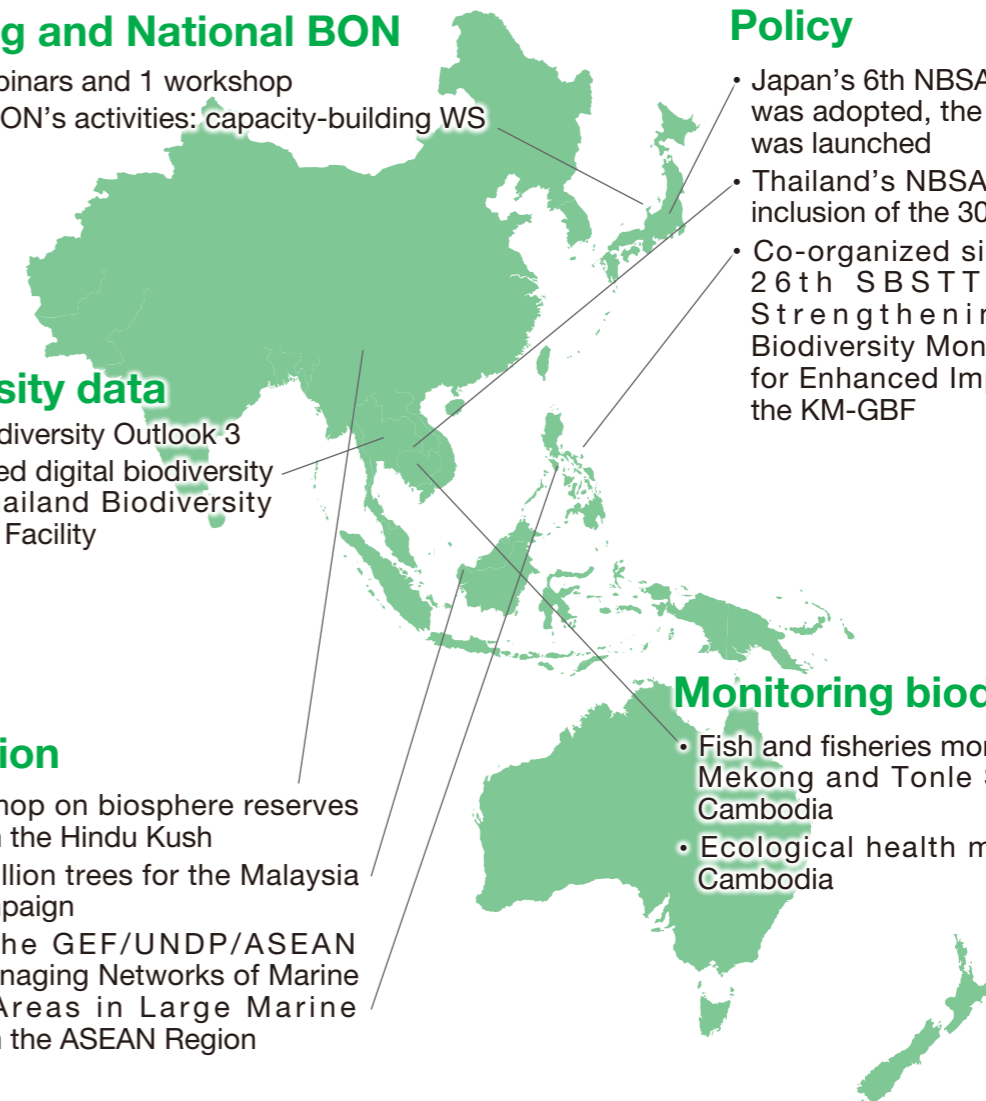
- ASEAN Biodiversity Outlook 3
- Disseminated digital biodiversity atlas to Thailand Biodiversity Information Facility

Conservation

- Held a workshop on biosphere reserves and OECMs in the Hindu Kush
- Planted 35 million trees for the Malaysia Greening Campaign
- Launched the GEF/UNDP/ASEAN Effectively Managing Networks of Marine Protected Areas in Large Marine Ecosystems in the ASEAN Region

Monitoring biodiversity

- Fish and fisheries monitoring in the Mekong and Tonle Sap River in Cambodia
- Ecological health monitoring in Cambodia



APBON Highlights FY2023

Apr.

Held the 16th APBON Web Seminar

- “GEOBON Strategy” by Dr. Maria Cecilia Londono
- “Bringing to life a global biodiversity observing system” by Prof. Andrew Gonzalez



May

Held the inception workshop GEF/UNDP/ASEAN Effectively Managing Networks of Marine Protected Areas in Large Marine Ecosystems in the ASEAN Region (ACB)

Jun.

Contributed to the GEO Symposium 2023 and GEO Open Data Open Knowledge Workshop



Jul.

Held the 17th APBON webinar

- “Master site concept in Japan” by Dr. Hiroyuki Muraoka (Gifu University)
 - Discussion: Identifying the availability and gaps of biodiversity data in the AP region
- ## Held a training course on basic of data collection and management (ICIMOD)

Aug.

Conducted a questionnaire survey to identify the availability and gaps of data, knowledge, and capacity in the AP region

Contributed to the GBiOS (Global Biodiversity Observing System) concept paper

Sep.

Held the 18th APBON webinar

- “Advances in species distribution modeling and applications for predicting ecosystem functions and services” by Dr. Jamie Kass (Tohoku University)
- Discussion on the APBON activities beyond September

AOGEO regional seminar and training on Earth Observation for advancing regional sustainable development in the Hindu Kush Himalaya (by ICIMOD)

Oct.

Attended the GEO BON Global Conference 2023 and introduced the APBON activities

Introduced APBON activities at the CBD Secretariat webinar Knowledge Management for Biodiversity

Nov.

Attended GEO Week 2023 and introduced the APBON activities



Held the 19th APBON webinar

- “The role of AHTEG on KMGBF” by Prof. Ryo Kohsaka (University of Tokyo)
- “The role of APBON in IPBES and KMGBF implementation” by Mr. Ichiro Hama (Ministry of the Environment, Japan)
- “Current progress of discussions of EBV” by Takehisa Yamakita (JAMSTEC) and Yayoi Takeuchi (NIES)

Dec.

Contributed to the special symposium on biodiversity observations (organized by the National Science Museum of Japan and JBON)

Contributed to the IPBES coordinating process from Thailand



IPBES Bureau and Multidisciplinary Expert Panel (MEP) meeting in Bonn, Germany

Jan.

Held the 20th APBON webinar

- AP MBON

Feb.

Held the 15th APBON workshop



Mar.

GEO BON Global Conference: Monitoring Biodiversity for Action



October 10-13, 2023, in Montreal, Canada



5 APBON members participated



APBON workshop FY2023 Summary report



February 21-22, 2024, in Tokyo, Japan and online



34 members from 10 countries/ regions, participated

