



The 15th APBON Workshop

21 - 22 February 2024, Tokyo

Objectives

- (1) discuss biodiversity-related issues in local, sub-national, national, regional scales, and to discuss how APBON and its members will cooperate to develop the capacity of observation, evaluations, outreach, and
- (2) construct national and regional collaborative activities for improving data availability, transformation of available data to EBVs, and coordinating biodiversity observation for contributing to National Biodiversity Strategies and Action Plans (NBSAPs, [see website of CBD](#)) and CBD Kunming-Montreal Global Biodiversity Framework

Expected outputs

Concrete plans for,

1. Identifying data gaps, and improving data accessibility
2. transforming data into indicators
3. publish joint research papers (special issue on an international journal)

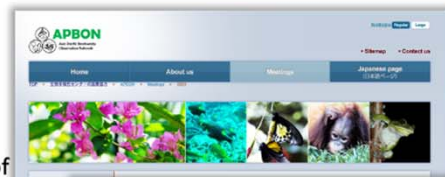


Journal special issue
Inputs to GEO BON and CBD
Ideas for GBiOS



Data and Knowledge sharing – Database and Publications

**APBON
knowledge
sharing**
(Presentation files of
workshops / webinars)



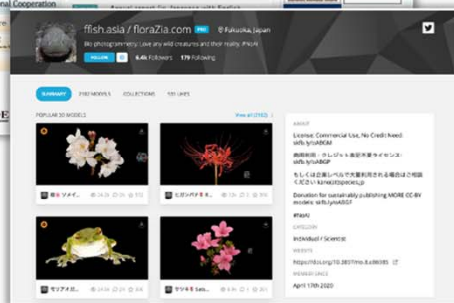
**ASEAN
Biodiversity
Dashboard**



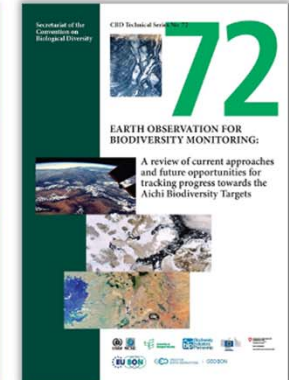
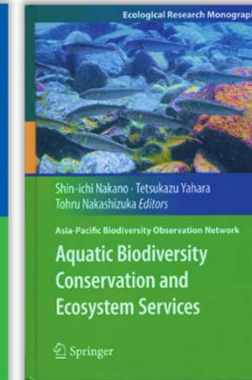
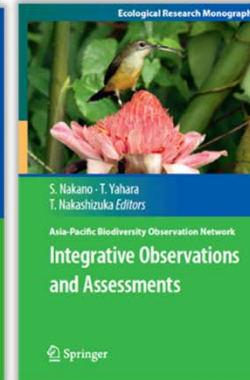
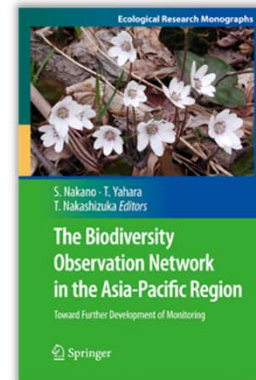
**Biodiversity
databases**
(Biodiversity Center
of Japan, MoE)



ffish.asia/floraZia
<https://sketchfab.com/ffishAsia-and-floraZia>

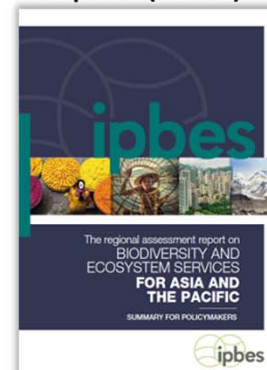


“APBON Books” (Springer, 2012, 2014, 2016)



CBD report

**IPBES Regional
Assessment
Report (2018)**



**Data paper +
Database**



**APBON
Highlights**



**Workshop
summary**



Growing needs to develop value chain: Observations, Data processing, and Users to address challenges



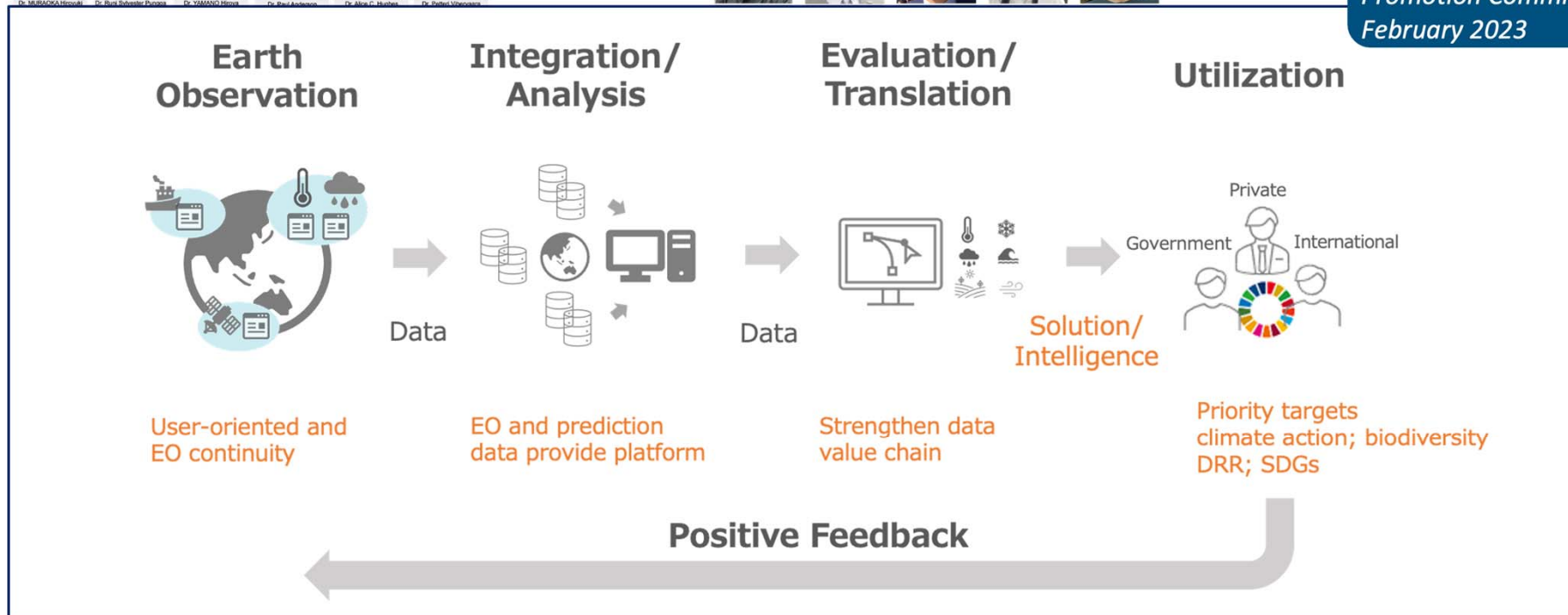
Special Session -- Biodiversity
for Addressing Climate Change
& Disaster Risk Reduction



Special Session -- Biodiversity and
Sustainable Society: How EO
contributes to integrating nature
into economic activities



Redrawn from the final report by
*The 9th Earth Observation
Promotion Committee, Japan,
February 2023*



Needs and Challenges to connect observations and society

Broader understanding

Multiple dimensions of “biodiversity and ecosystem data”

– genetic, species, ecosystem; no. of threatened species; ecosystem functions; ...

Integrative research

Inter-disciplinary research and understanding on Climate – Biodiversity – Ecosystem functions interdependencies across scales

Cross-scale observations

Filling spatial / thematic observational gaps by connecting *in-situ* and satellite observations, and model simulations

Open science

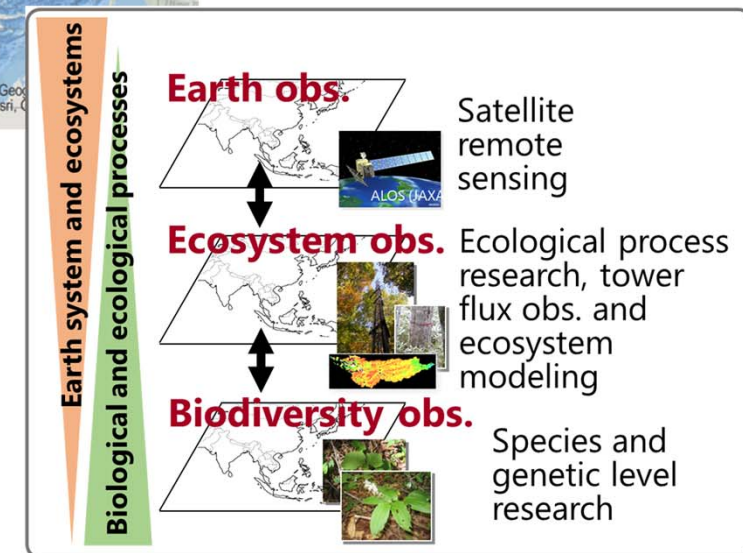
Data / Knowledge generation and sharing through national and regional cooperative capacity development, citizen science

Promoting value chain

Earth observations – analysis – evaluation – intelligence – decision making (*science to action*) by networking networks and stakeholders



Takeuchi et al. (2021)



(Muraoka et al. 2012 in APBON book)