

## 16<sup>th</sup> AOGEO Symposium “Creating Earth Intelligence with Asia Oceania Society”

**Dates:** 3 - 5 September 2024

**Venue:** Tokyo International Exchange Center Plaza HEISEI, Tokyo, Japan

**Symposium information:** <https://aogeo16th.com/>

**Note:** Parallel sessions (Task Group sessions) may be possible for hybrid (onsite + online) style. Other plenary sessions may be only onsite + live streaming.

### **TG2: APBON session Agenda** (ver 8th Aug) “Observations, Data, and EBVs for biodiversity assessment”

**Date:** 15:40 – 18:40 (JST) on 3<sup>rd</sup> September 2024

#### **Background**

APBON has been working to identify gaps and needs of biodiversity observation data and modeling. Our recent efforts emphasize the need for collective and collaborative activities to meet the requirements of CBD Kunming-Montreal Global Biodiversity Framework (KM-GBF) for biodiversity conservation and sustainable use of natural resources. In these discussions, we considered that applicability of the Essential Biodiversity Variables designed by GEO BON for an Asia-Pacific context may require additional considerations, specifically regarding data availability and the sheer variety of environments and cultural perspectives for this region.

To respond to these issues related to biodiversity policy and opportunities of APBON to contribute to the national, regional and global needs, APBON will organize an AOGEO Task Group session at the 16<sup>th</sup> AOGEO Symposium in Tokyo, on 3 – 5 September 2024.

Clarification of observation needs and designs, lessons learned to produce knowledge and information from the data for biodiversity conservation, will be essential to engage with the Earth observation community and society to create Earth Intelligence for the AP and from the AP region.

The main objectives of the APBON session are therefore (1) to identify the data and observation needs to develop EBV (and relevant EOV, ECV) in the AP region, (2) to discuss cooperative plans for developing GBiOS in the AP region and for connecting with data infrastructures (e.g., DIAS), and (3) draft APBON’s perspective to be sent to AOGEO Symposium statement (see <https://aogeo.net/en/staticpages/symposium.html> for the past statements).

#### **Organization of this session**

This session is open to entire APBON and APMBON.

APBON Co-chairs: Hiroyuki Muraoka (Gifu University / NIES), Yongyut Trisurat (Kasetsart University),  
Runi Anak Sylvester Pungga (Forest Department Sarawak)

Secretariat: Biodiversity Center of Japan, Ministry of the Environment Japan

#### **Expected outcomes**

1. Understanding gaps and challenges to be addressed by APBON cooperation – Data and EBV.
2. Message to be included in the AOGEO Symposium statement (to be issued on 5<sup>th</sup> September)
3. Message to be included in the APBON Policy Brief to COP 16 (article to be developed based on APBON Highlights 2023, workshop discussions since February in Tokyo, and others)
4. Ideas for further development of joint papers and action plans

## Session outline:

Opening remarks	
15:40 – 15:50	<p>Greetings from Biodiversity Center of Japan and APBON Co-chairs            Keisuke Takahashi (Director, Biodiversity Center of Japan)            Yongyut Trisurat (Kasetsart University, Thailand)            Runi Anak Sylvester Pungga (Forest Department Sarawak, Malaysia)            Hiroyuki Muraoka (Gifu University / NIES, Japan)</p> <p>Introduction to the APBON session: objectives and structure</p>
[Part 1] From data to EBVs: Preliminary assessment of data gaps and mismatches of EBVs from Asia-Pacific perspectives	
15:50 – 16:50	<p><i>Speakers may give short presentations (5 minutes) to share the key-points, and all participants will discuss to identify necessary actions to be taken by APBON</i></p> <p>Moderators:            Yayoi Takeuchi (NIES, Japan) and Take Yamakita (JAMSTEC, Japan)</p> <p>Speakers:</p> <ol style="list-style-type: none"> <li>1. Yayoi Takeuchi: From Terrestrial observation perspectives</li> <li>2. Take Yamakita: From Marine and Coast observation perspectives</li> <li>3. Jamie Kass (Tohoku University): From biodiversity modeling perspectives</li> <li>4. Alice Hughes (University of Hong Kong): From global coordination perspectives</li> </ol> <p>Discussions:            Concrete actions for developing EBV/EOV data in AP region</p>
[Part 2] Observation needs and system to fill the gaps – Towards GBiOS in the AP region	
16:50 – 17:50	<p><i>Speakers may give short presentations (10minutes for the guest and max 5 minutes for other) to share the key-points, and all participants will discuss to identify necessary actions.</i></p> <p>Moderators:            Yongyut Trisurat and Hiroyuki Muraoka</p> <p>Speakers:</p> <ol style="list-style-type: none"> <li>1. Osamu Ochiai (JAXA; guest speaker): Biodiversity observation from space</li> <li>2. Shin Nagai (JAMSTEC): Multi-platform phenology observations in AP region</li> <li>3. Christian Elloran (ASEAN Center for Biodiversity) [Online participation]: Filling the observation and knowledge gaps in ASEAN countries</li> <li>4. Keisuke Takahashi (Biodiversity Center of Japan): Long-term biodiversity monitoring in Japan</li> </ol> <p>Discussions:            What would be the biodiversity observation and data integration system in AP region? Towards our participation to the GBiOS.</p>
[Part 3] APBON's priorities for observations, synthesis, and cooperation	
17:50 – 18:40	<p><i>All participants will join the discussion to summarize the points identified during the session, and draft APBON's input to the AOGEO Statement. (Statement meeting by TG leads will be held in the evening of Day 2).</i></p> <p>Drafting APBON's input to AOGEO Symposium statement</p> <p>Moderators:            Runi Anak Sylvester Pungga            Yongyut Trisurat            Hiroyuki Muraoka</p> <p>Contributors:            All participants from APBON and APMBON</p> <p>Comments by the GEO Secretariat from the Post-2025 GEO Strategy Implementation Plan perspectives (tbc)</p>