

International Workshop

Mid-latitude Atmosphere-Ocean-Ecosystem Interactions: Processes, Predictability, and Habitability

3rd circular, 22 February, 2025

Date: 16 (Wed) –18 (Fri) July, 2025

Venue: [Shiiki Hall \(location\)](#)
in [Ito campus](#) of Kyushu Univ.,
Fukuoka, Japan

Host: [“Habitable Japan” project](#)



Overview

In Japan, ocean warming has increased the frequency of weather disasters, while recent anomalies in ocean currents, such as retreat of the Oyashio to the north, Kuroshio large meander for the longest period observed, and northward shift of the Kuroshio Extension, have caused extreme hot summers and greatly affected fisheries. Needless to say, such variations and changes are not governed only by local dynamics but influenced by (and also influence) global climate. To answer the question: “Will mild climate and abundant water/fisheries resources persist as a basis of survival for those of us living in Japan in the future?”, we started a 5-year project “Habitable Japan” (FY2024–28) in April 2024. This project is also called “Climatic Hotspot3” because it is a successor of [Hotspot1](#) (FY2010–14) and [Hotspot2](#) (FY2019–23) projects, in which we investigated mid-latitude air-sea interaction and its change under global warming. In the new Habitable Japan project, to answer the above question, we have expanded our target domain to atmosphere/ocean chemistry, marine ecosystems, and fisheries. In this international workshop, we aim to exchange the latest information on mid-latitude atmosphere-ocean-ecosystem interactions, not only for the western North Pacific but also for other areas, and their relation to global climate. The workshop will be held just before the IAMAS-IACS-IAPSO Joint Assembly ([BACO-25](#)) on 20–25 July in Busan, Rep. of Korea, which is only 200km apart from Fukuoka.

Style of the workshop

- 3-day open workshop with about 25 oral presentations and poster presentations
- No fee for the abstract submission and registration
- Reception on the 1st day and group receptions on the 2nd day

The abstract submission (until 31 March) and the registration (until 13 June*) have opened. Please visit the [workshop website](#).

* The deadline for those who need visa to enter Japan is 30 April.



Confirmed Invited Speakers

- Seth Bushinsky, Univ. of Hawaii at Manoa, USA
- Meghan Cronin, NOAA PMEL, USA
- Bieito Fernández Castro, Univ. of Southampton, UK
- Xichen Li, IAP/CAS, China
- Hyung-Gyu Lim, KIOST, Rep. Korea
- Bo Qiu, Univ. of Hawaii at Manoa, USA
- Seok-Woo Son, Seoul National Univ., Rep. Korea
- Thomas Spengler, Univ. of Bergen, Norway
- Andrea Storto, National Research Council of Italy, Italy
- Haiyan Teng, North Carolina Institute for Climate Studies, USA
- Qiang Wang, Hohai Univ., China



Science Organizing Committee

- Samantha Hallam, Maynooth Univ., Ireland
- Hakase Hayashida, JAMSTEC, Japan
- Yoko Iwamoto, Hiroshima Univ., Japan
- Taketoshi Kodama, Univ. of Tokyo, Japan
- Hyung-Gyu Lim, KIOST, Rep. Korea
- Takashi Mochizuki, Kyushu Univ., Japan
- Masami Nonaka, JAMSTEC, Japan
- Yumiko Obayashi, Ehime Univ., Japan
- Eitarou Oka, Univ. of Tokyo, Japan
- Bo Qiu, Univ. of Hawaii at Manoa, USA
- Thomas Spengler, Univ. of Bergen, Norway
- Hiroki Tokinaga, Kyushu Univ., Japan



Transportation/Accommodation

- Fukuoka city has an international/domestic airport very close (10 min. train) to the city center
- From Tokyo to Fukuoka, it takes 2 hours by flight or 5 hours by Shinkansen bullet train
- The venue at the Ito campus of Kyushu University is 1 hour from the Fukuoka city center by train/bus. There are many options for hotels and restaurants in the city center.
- From Fukuoka to Busan, it takes 1 hour by flight or 6 hours by ferry (Dep: 00:30pm, Arr: 06:30pm)



Travel Support

There will be travel support of about USD1,000-1,500 per person for a few early-career scientists based in developing countries, sponsored by [SCOR](#) (See the workshop [website](#) for details).



Excursion: Watching Baseball Game

There will be a baseball game of Fukuoka Softbank Hawks against Chiba Lotte Marines at PayPay Stadium on July 15 (the game starts at 06:00pm), the day before the workshop. The early-career representatives of Habitable Japan (ECHOES) are organizing to buy the tickets as a group at a discounted rate. This will be a great opportunity to meet the workshop participants and enjoy the ball game together. If you are interested in this event, please fill in [this survey](#) by Feb 3. We will contact all workshop participants for further information sometime in April.

