

International workshop for mid-latitude air-sea interaction: advancing predictive understanding of regional climate variability and change across timescales

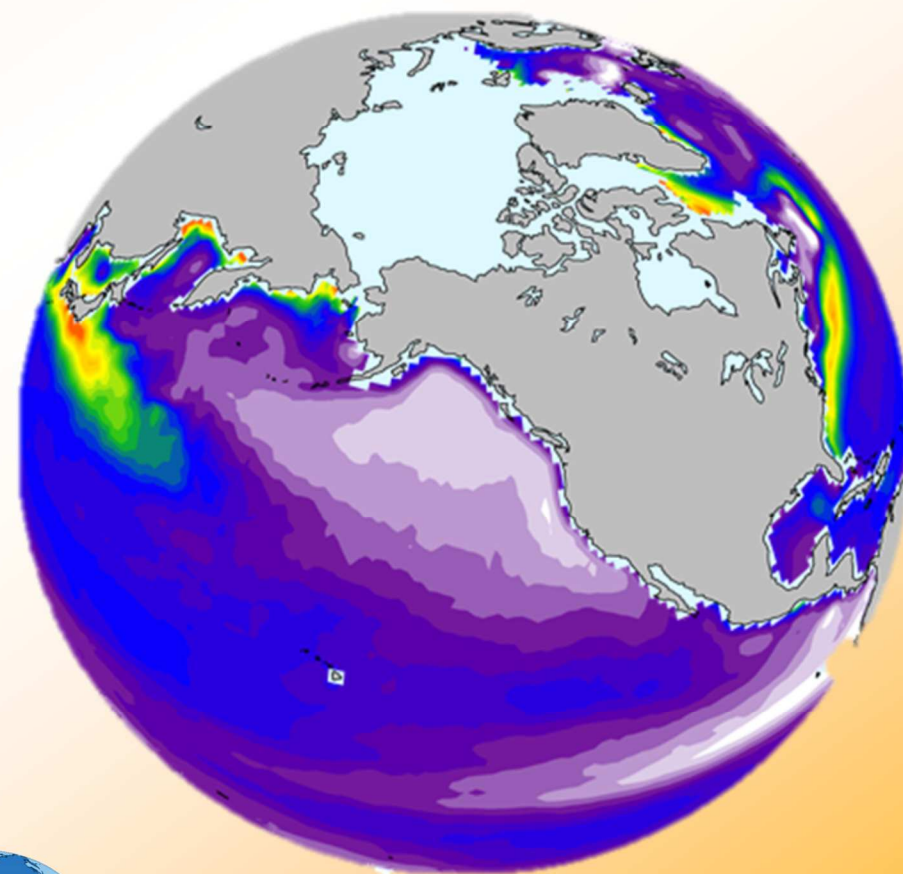
Date: June 8-9 (online) & June 12-14 (online + in-face), 2021

Place (in-face): Sapporo, Japan

Science organizing committee: Satoshi Iizuka, Noel Keenlyside, Shoshiro Minobe, Masami Nonaka, Hyodae Seo, Shang-ping Xie

Better knowledge of air-sea interaction and its influence on the atmosphere is key to improve our predictive understanding of climate variability and change. In recent years, the importance of mid-latitude atmosphere-ocean interaction has been recognized. The ocean-to-atmosphere influence from oceanic fronts such as those associated with the Kuroshio and the Gulf Stream and meso-scale ocean eddies occur ubiquitously across the global mid-latitude oceans, and extends to the storm track and downstream large-scale atmospheric circulation. However, it remains a challenge to understand whether and how these eddy-frontal scale air-sea interactions generate and shape climate variability and change, including societally relevant extreme events at regional scales, teleconnections to remote areas, and associated predictability. This workshop will provide a forum for the exchange of ideas on mid-latitude atmosphere-ocean interactions and a wide range of related topics based on state-of-the-art research. We welcome observational, numerical and theoretical studies from weather to climate timescales, and especially encourage graduate students and young researchers to join the workshop. The workshop will be a hybrid of in-face and online and participants may attend both parts or online-part only. In order to maximize interaction among participants who may be in different time zones, we set online only part on June 8-9 and online + in-face part on June 12-14 in Sapporo.

The more detailed information will be available in January 2021, and the abstract deadline will be the end of February 2021.



**This workshop is sponsored
by the HotSpot2 Project.**



Figure is made by H. Nakamura.