

## **YMC-BSM 2020 field campaign over western Pacific and surrounding Asian countries.**

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Boreal Summer Intra-Seasonal Oscillation (BSISO) is one of the dominant atmospheric variability over the western Pacific and surrounding Asian monsoon landmasses in summer. It is characterized by a zone of vigorous convection elongating in west-northwest to east-southeast directions which propagates northward at approximately 1 m/s. Mechanisms responsible for the northward propagation are still elusive, especially the ones over the western Pacific. In order to understand the propagation mechanisms and possible contribution of air-sea interaction, the Japan Agency for Marine-Earth Science and Technology (JAMSTEC) plans to conduct an intensive observation campaign in a period from late June to early August of 2020 which is called “YMC-BSM 2020” campaign (here YMC stands for the Years of the Maritime Continent, and BSM for Boreal Summer Monsoon). Meteorological agencies of surrounding countries such as the Philippines, Indonesia, Palau, and Micronesia will also contribute to the campaign. It consists of station observation of the atmosphere and ocean over the western Pacific using Research Vessel *Mirai* of JAMSTEC, increase of the frequency of routine radiosonde observation at several weather stations (Legazpi, Manado, Biak, Koror, and Yap), ozone and water vapor sonde observation at Laoag, forecast experiments using Nonhydrostatic Icosahedral Atmospheric Model (NICAM), and so forth.