

Years of the Maritime Continent (YMC): To better understand the weather and climate systems of the Maritime Continent

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It is time to challenge to precisely understand complicated weather and climate systems of the Maritime Continent, which hosts various atmospheric and oceanic phenomena and acts as a heat engine of the global atmospheric circulation. To meet this, a 2-year field campaign Years of the Maritime Continent (YMC) starting from mid-2017 is being proposed. Its overarching goal is to improve understanding and prediction of local multi-scale variability of the MC weather and climate systems and global impact. The following five themes are set to be key for success of the campaign; 1) atmospheric convection, 2) ocean and air-sea interaction, 3) troposphere-stratosphere interaction, 4) aerosols, and 5) prediction improvement. YMC itself is a framework which enables of coordination and collaboration to conduct several intensive observations and numerical modeling challenges among participants. Routine observations by local agencies and long-term deployed measurement systems such as Equatorial Atmospheric Radar will be bases for observation network.

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