

# Maritime Continent Center of Excellence (MCCOE) Near Future Program Related to Monsoon in Indonesia

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## **Abstract**

Agency for the Assessment and Application of Technology (BPPT) has established a one stop international center to study the interactions among land, sea, and atmosphere in the Indonesia Maritime Continent (IMC) and called as Maritime Continent Center of Excellence (MCCOE) on November 12, 2013. The IMC is at the central importance of El Nino Southern Oscillation (ENSO) and Indian Ocean Dipole (IOD), and Asian monsoon that could influence directly on the Pacific and Indian oceans heat and water mass transport affecting on regional and even global climate changes. A small change in Sea Surface Temperature (SST) transmitted from Pacific to Indian oceans through the current system so called Indonesian throughflow will affect the magnitude of monsoon and climate over the regions. In this critical perspective, the IMC in a whole system of earth, atmosphere, and ocean play important roles in regulating global climate changes. In this presentation, we will present all the near future programs related to monsoon that will be employed in the center, especially how intraseasonal variation interact with monsoon.