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**INFLUENCE OF EL NINO-  
SOUTHERN OSCILLATION AND  
MADDEN-JULIAN OSCILLATION  
ON THE DIURNAL CYCLE OVER  
MALAYSIA**



# AIM AND SCOPE

- ◉ To understand the influence of multi-scale interaction between El Nino-Southern Oscillation (ENSO) and Madden-Julian Oscillation (MJO) on the diurnal cycle of rainfall (DCR) of Malaysia during Boreal Winter.
- ◉ To explore the output from the Weather and Research Forecast (WRF) model in simulating the observed DCR over Malaysia during Boreal Winter.
- ◉ Although a multi-scale interaction is a two-way interaction, this current study will only examine the impact of the ENSO and MJO on the DCR of Malaysia.

# KEY ISSUE

- Availability of observation datasets.

# ON-GOING RESEARCH

- Comparison between modelled and observed DCR over Malaysia
- Effect of MJO on Boreal Winter rainfall over Malaysia.