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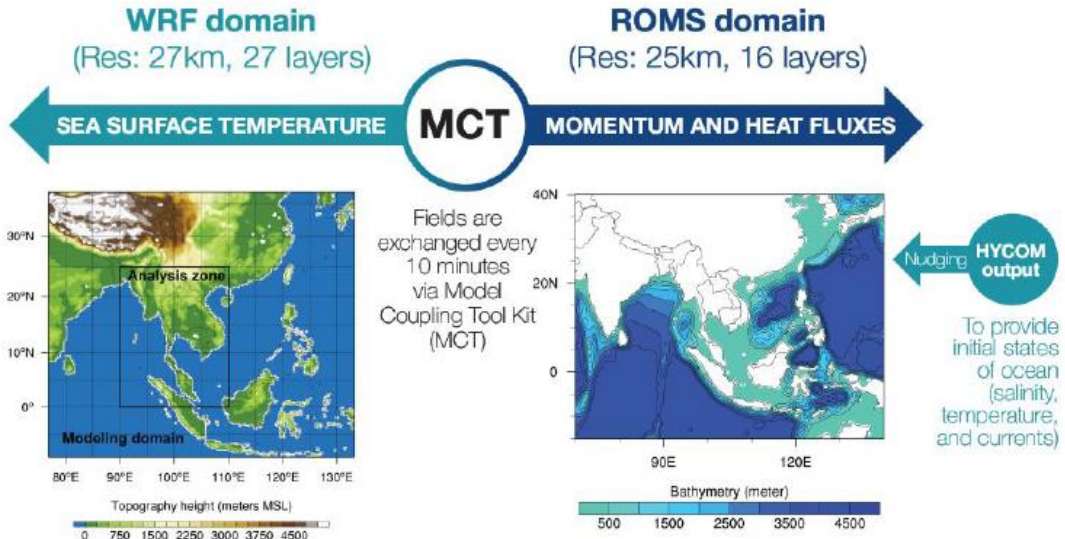
MY BACKGROUND

[1] **Torsri, K.**, Octaviani, M., Manomaiphiboon, K., and Towprayoon, S. (2012) Regional mean and variability characteristics of temperature and precipitation over Thailand in 1961–2000 by a regional climate model and their evaluation. *Theoretical and Applied Climatology*, 13, pp. 289-304

[2] Manomaiphiboon, K., Octaviani, M., **Torsri, K.**, and Towprayoon, S. (2013) Projected Changes in Means and Extremes of Temperature and Precipitation over Thailand under Three Future Scenarios by Regional Climate Modeling. *Climate Research*, 58, doi: 10.3354/cr01188, pp. 97–115

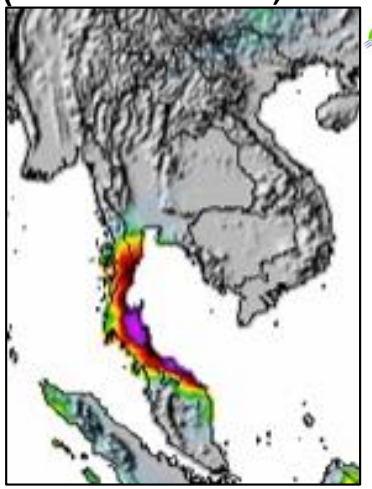
[3] **Torsri K.**, Wannawong W., Sarinnapakorn K., Boonya-Aroonnet S., Chitradon R. (2014) An Application of Air-Sea Model Components in the Coupled Ocean-Atmosphere-Wave-Sediment Transport (COAWST) Modeling System Over an Indochina Peninsular Sub-region: Impact of high spatiotemporal SST on WRF model in precipitation prediction. 2014 Asia Oceania Geosciences Society (AOGS), Sapporo, Japan (Conference)

RESEARCH (Torsri et al., 2014)

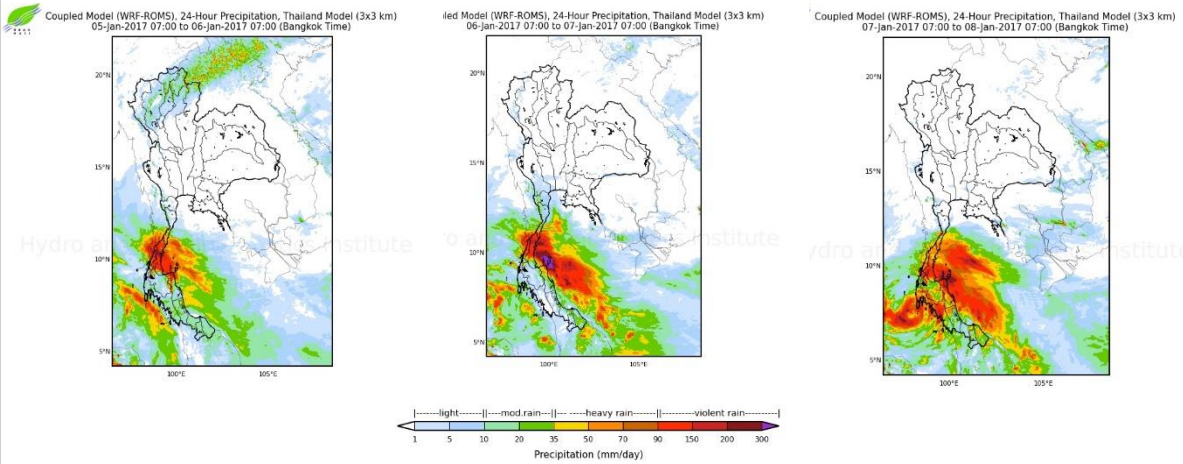


OPERATION (Nesting 27km->9km->3km)

7-day accumulated (NASA)
(started JAN 5, 2017)



WRF-ROMS FORECATING (JAN 5-7, 2017)



- MEAN PRECIPITATION

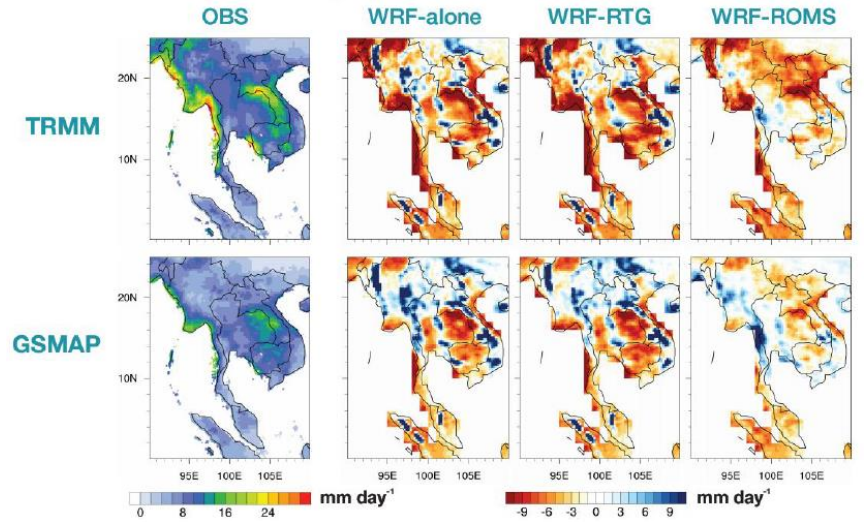


Fig. 1 Mean JAS-2011 precipitation given by TRMM (upper) and GSMAP (lower) along with mean bias (MB) of simulated results obtained from WRF-alone, WRF-RTG, and WRF-ROMS (relative to OBS)

- INTERDIURNAL VARIABILITY (IDV) OF PRECIPITATION

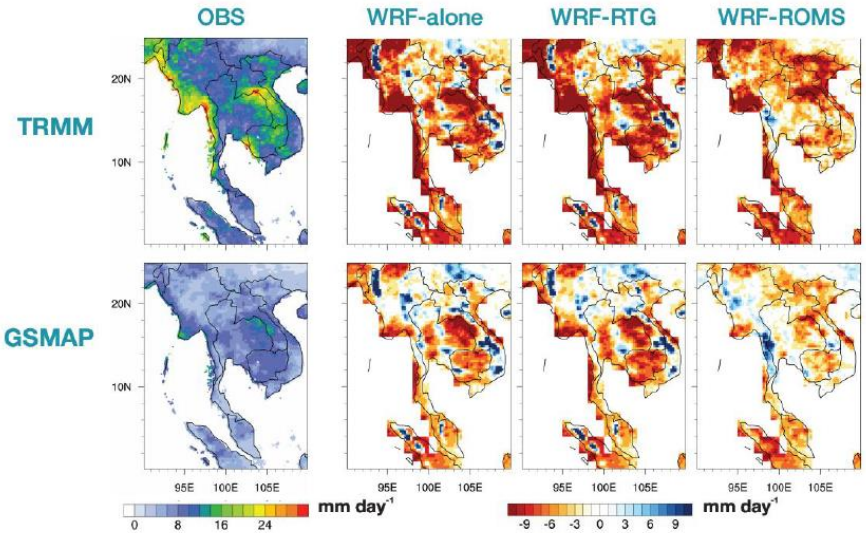
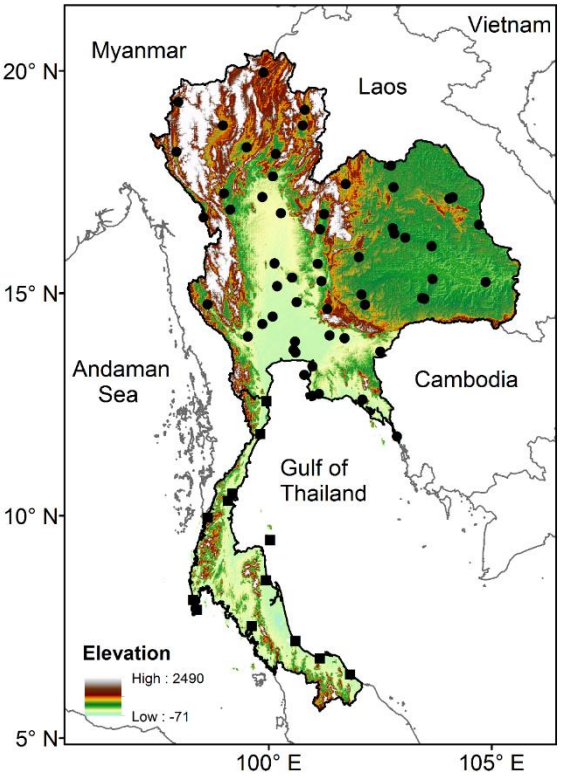


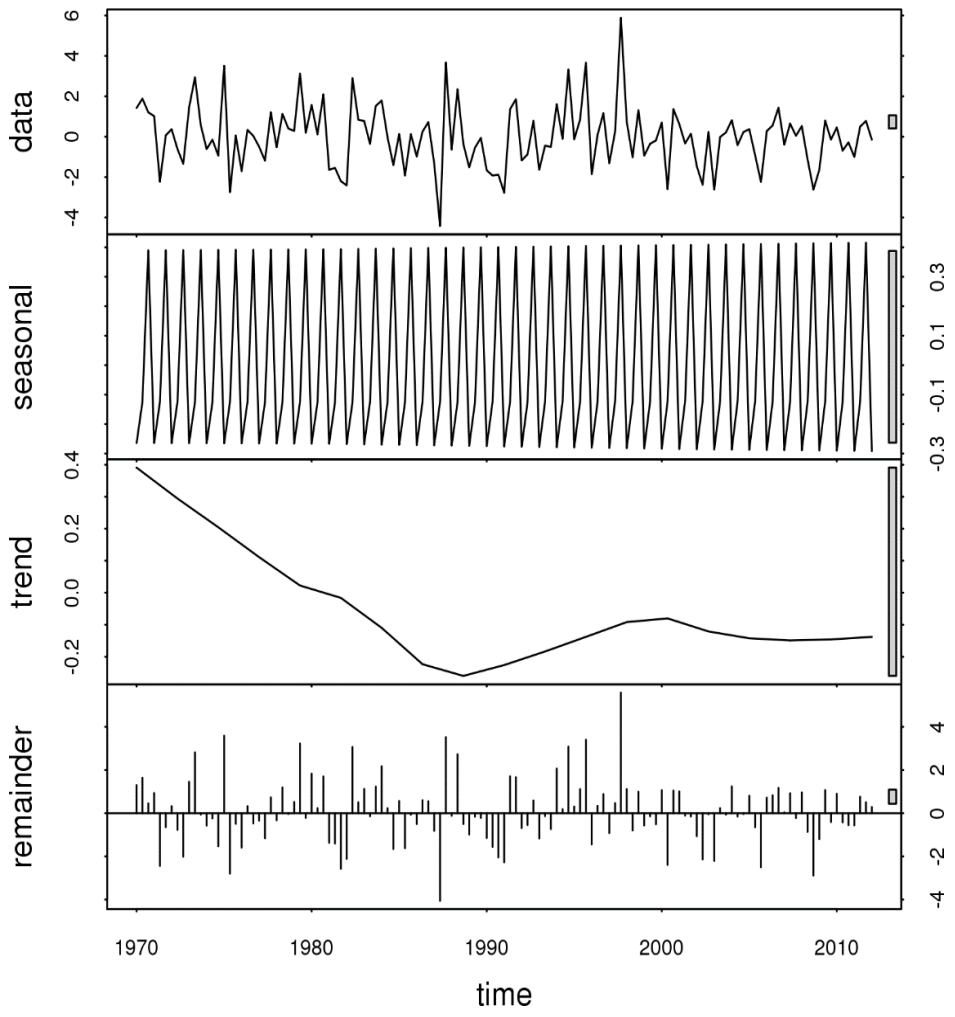
Fig. 2 JAS-2011 IDV precipitation given by TRMM (upper) and GSMAP (lower) along with bias of IDV (IDVB) of simulated results obtained from WRF-alone, WRF-RTG, and WRF-ROMS (relative to OBS)

CURRENT RESEARCH

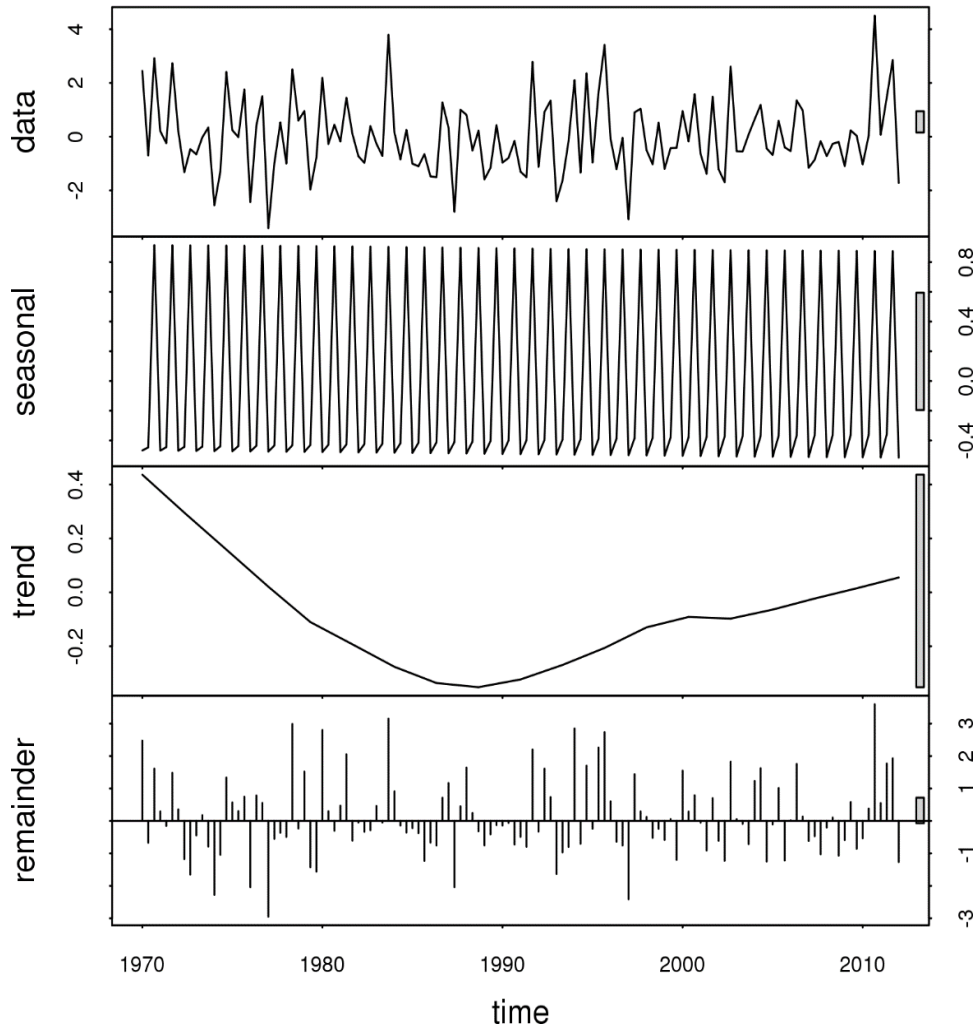
THAILNAD



Southern Thailand (JJA)



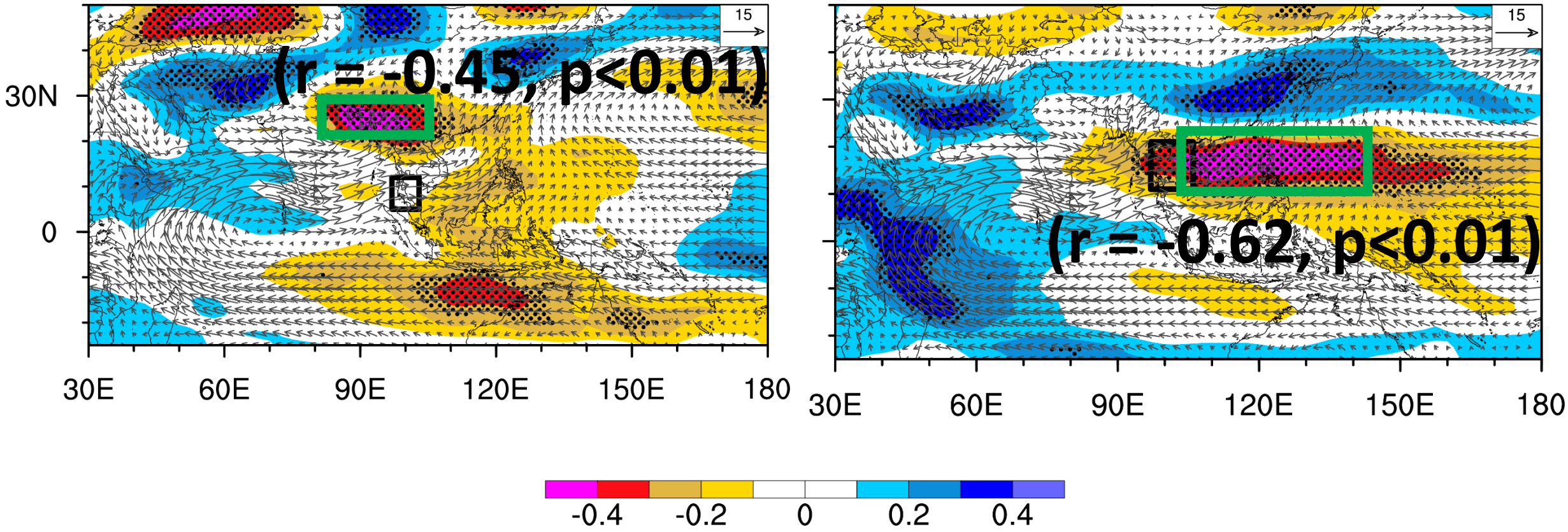
Upper Thailand (JJA)



JJA

Southern Thailand

Upper Thailand



Wind vectors @850hPa and correlation between remainder component and zonal wind shear (shaded areas). Significant correlations (at 90 significance level) are marked with dot points.