Appendix IV: Methodology for SEACLID/CORDEX-SEA model evaluation

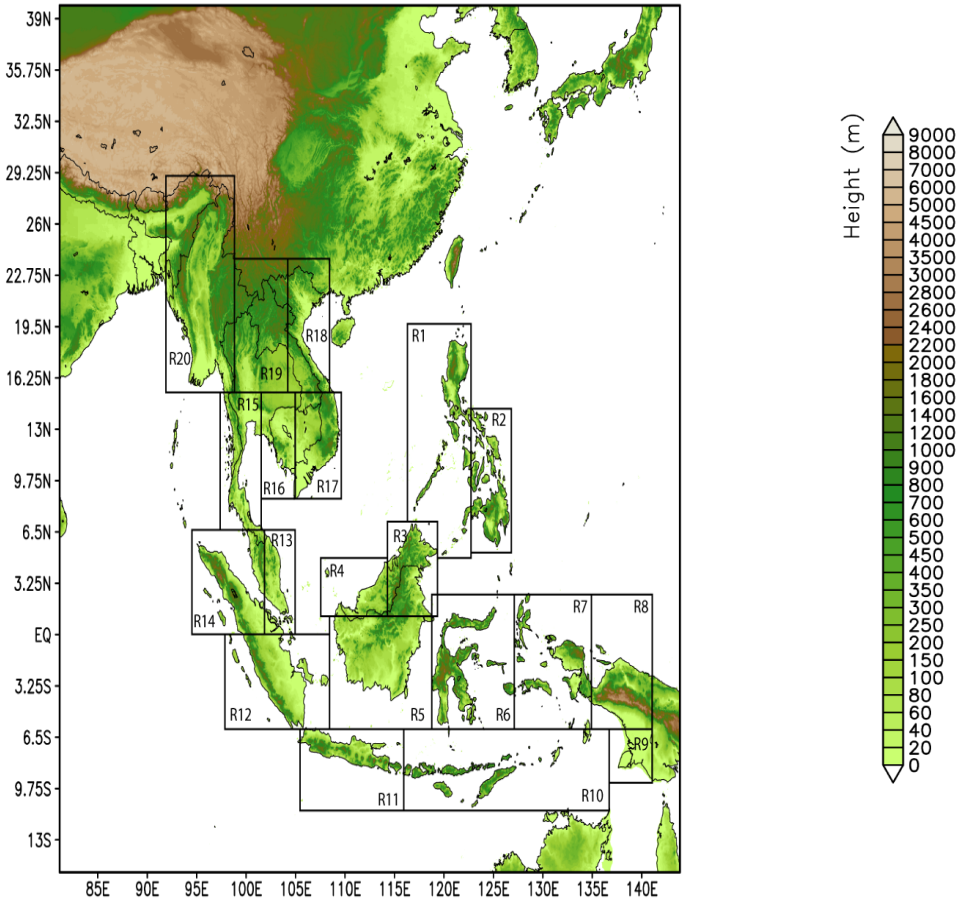

Figure IV.1. Map indicating SEACLID/CORDEX-SEA domain and sub-regions of which the outputs of sensitivity experiments were validated against observations

Table IV.1. Observed gridded datasets to be used for SEACLID/CORDEX-SEA evaluation

Name	Variable	Frequency
APHRODITE	Temperature, Rainfall	Daily
CRU	Maximum Temperature, Minimum Temperature	Monthly
ERA-Interim	Temperature, Maximum Temperature, Minimum Temperature, Rainfall, Winds	Daily
TRMM	Rainfall	3-hourly, Daily, Monthly
GPCC	Rainfall	Daily
Other reanalyses ? (NCEP FNL, NNRP, JRA, MERRA)		

Considerations for the observation datasets:

- Needs to be common among groups for the model evaluation
- Multiple datasets are recommended to consider variability within these datasets.

Table IV.2. Available station data per country

	Variables	No. of Stations	Time period
Indonesia			
Malaysia			
Philippines			
Thailand			
Vietnam			

Table IV.3. Method for Evaluation

	Temp	Tmax	Tmin	Rainfall	Winds (850, 200 hPa)	Divergence (850, 200 hPa)	Moisture Flux (850, 200 hPa)	Extremes Indices
Maps (land+ocean)								
Seasonal/monthly means	x	x	x	x	x	x	x	x
Spatial correlation	x	x	x	x	x			x
Regional means (land only)								
Seasonal/monthly means	x	x	x	x				x
Distribution (PDF, histogram)	x	x	x	x				
Zonal mean at a specific longitude					x			
Taylor Diagram	x	x	x	x	x			x