

Performance of Convection schemes in RegCM4.3 over South Asia CORDEX domain

Group-14

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Model Configuration

Dynamics	Hydrostatics
Model domain	South Asia-CORDEX domain
Resolution	50 km
Initial and boundary conditions	ERA-Interim (1997-2004)
Cumulus parameterization	<ol style="list-style-type: none">1. Emanuel over land & Grell over Ocean2. Grell3. Emanuel4. Tiedtke

Experimental Design

- Four convection schemes are tested using RegCM4.3 over south Asia CORDEX domain
- Model is integrated from 1 May 1997 to 31 Dec 2004
- Initial and boundary conditions from ERAIN15 data
- OI WK - OISST Weekly Optimal Interpolation dataset
- CRU and GPCP data used for validation of the results