

# A strategy to compute convective timescales of the Indian monsoon with the WRF model

- Simulation of 2016 season
- Moisture budget analysis over 2 atmospheric layers, separated at 700hPa
- Convective timescale derived from relation of change in total column moisture to change in vertical convective flux

- Convective timescale reduces by a factor of 2 between pre and post monsoon onset
- Indicator of regime change for monsoon active/break phases or under future climate
- Metric for comparison across models and convective parametrisation schemes

