Status & Gaps in Monsoon Prediction
Group A
Leader: Dr. Roxy Mathew Koll

**Status**

- Prediction of Monsoon is still low in most country
- Different improvement skill from one region to another
- Although the meteorological department/researcher claims that the predictability is significantly increasing year to year, general perception claims that it is unchanging.
Gaps

• Lack of two-ways communication between
  – researchers
  – different unit/department under the same meteorological (MET) agency
  – researchers and MET agency
  – MET agency/researchers and end user

• Modelling effort and application
  – no universal model for a particular country/region
  – proposed model are not used in the MET agency for forecasting, hampering effort in model verification and improvement
  – physical mechanisms that govern the local weather/climate is still not fully understood

• Data collection, integration, management and sharing
  – not all data are collected, archived or managed centrally
  – in-situ data collection are scarce and sparse especially over the mountainous regions