## Status of LC-LRFMME

WMO Lead Centre for Long-Range Forecast Multi-Model Ensemble

Pilot real-time sub-seasonal MME predictions

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### Suggestion about providing S2S plots to members

#### Pilot real-time MME service for sub-seasonal forecasts

- WMO Cg-XVI(2011) requested LC-LRFMME to expand its role to include exchange of extended-range predictions.
- In the meeting of the S2S steering group (2014), it was agreed to make use of the S2S research archive of sub-seasonal forecasts to develop a real-time multi-model display at the LC-LRFMME.
  - \* S2S: Sub-seasonal to Seasonal Prediction Project



## Suggestion about providing S2S plots to members

#### Pilot real-time MME service for sub-seasonal forecasts

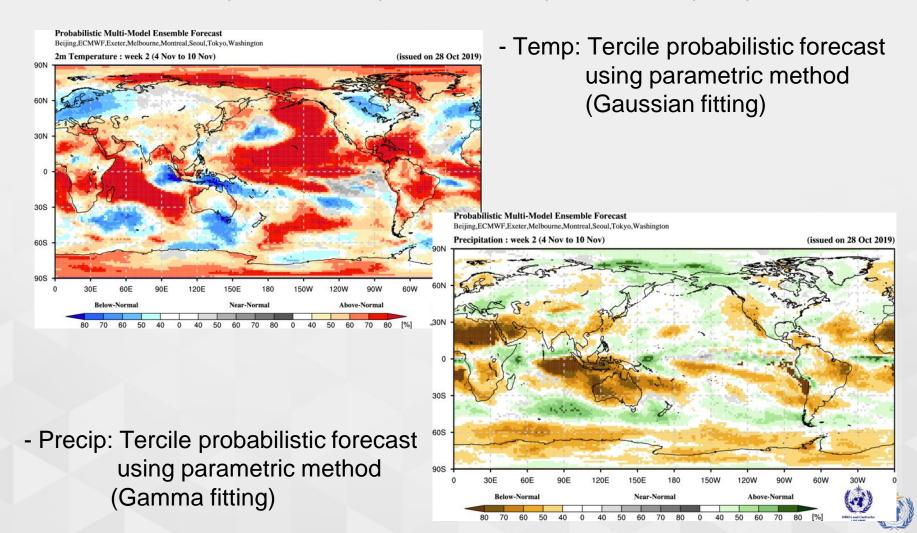
- The LC-LRFMME is providing MME forecasts and its verification results through website after IPET-OPSLS and GPCs agree (2018~)
- **XIPET-OPSLS:** Inter-Programme Expert Team on Operational Predictions from Sub-seasonal to Longer-time Scales

Products/variables	Covering periods	Charts	Verification scores
· Accumulated prec · Average 2m temp	Weeks 1,2,3,4, 3-4,1-4	Probabilistic maps · terciles	Reliability diagrams / ROC
MJO Need: · OLR · U850 · U200	32 days	· Hendon and Wheeler Diagram · Hovmoller	Temporal correlation and RMSE
Velocity Potential	Weeks 1,2,3,4, 3-4,1-4	Velocity potential anom aly (Ensemble mean for each period)	correlation



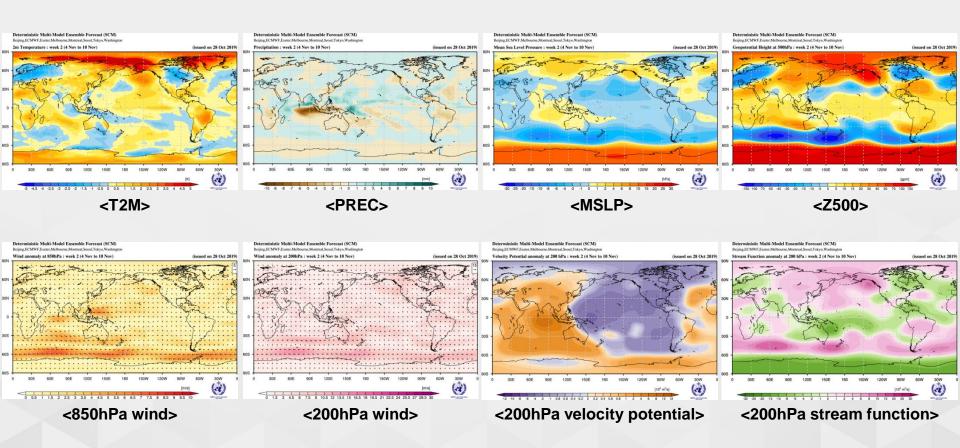
#### **Products: Probabilistic MME**

Probabilistic prediction map of 2m air temperature and precipitation



#### **Products: Deterministic MME**

Deterministic prediction : Simple Composite Method





# Thank you

