

16th CAS-TWAS-WMO FORUM

International Symposium on Advances in Seasonal to Decadal Prediction

18-20 September, Beijing, China

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Due to the considerable socio-economic and ecological impacts of the climate, many efforts have been made to predict year-to-year climate variability (e.g., ENSO) and climate changes over the past decades. In particular, advanced data assimilation techniques have been applied to weather-climate forecasting systems in order to generate realistic ensemble initial conditions for improved predictive skill. However, major challenges remain in reducing uncertainties in the initial conditions and errors in forecast models and external forcing, and in assessing predictability limit associated with multi-scale climate processes and nonlinearity. In this context, Advances in seasonal to decadal prediction have been selected as the topic for this year's international conference of CAS-TWAS-WMO Forum on Climate Science (CTWF).

Topics :

1. Novel data assimilation and ensemble forecast approaches for improving S2D predictions
2. Impact of model systematic error on forecasts, and approaches to alleviate them
3. Mechanisms for atmosphere-ocean variability
4. Understanding of the fundamental limits of predictability
5. Atmosphere-ocean observing system evaluation for S2D predictions
6. Practical application of S2D predictions

Short Notice: Registration deadline has been extended to July 15!

Conference Admin

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