



International Symposium on Advances in Seasonal to Decadal Prediction

18-20 September 2017 Beijing, China

<http://2017ctwf.csp.escience.cn>



First Circular

Background :

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

Important Dates :

Deadline for On-line Registration: July 1, 2017

Deadline for Abstract Submission: July 1, 2017

Notice of Abstract Acceptance: July 31

Venue:

Meeting Room 301

Yuanchenxin International Hotel

Add: NO.12 Yumin Road, Chaoyang District, Beijing, China

Tel:86-10-51650566

Invited Speakers:

Jing-Jia Luo	BOM, Australia	Emilia Sanchez-Gomez	CERFACS, France
Swadhin Behera	JAMSTEC, India	Alessio Bellucci	CMCC Italy
William Wang	BOM, Australia	Elsa Mohino	UCM, Spain
Yoshimitsu Chikamoto	USU, USA	Yohan Ruprich-Robert	GFDL, USA
Yosuke Fujii	JMA/MRI, Japan	Fei Zheng	IAP, China
Arun Kumar	NOAA/NCEP, USA	Jin-Yi Yu	UCI, USA
YongHo Kim	KIOST, Korea,	Shaoqing Zhang	GFDL, USA
Takashi Mochizuki	JAMSTEC, Japan	Xing-ren Wu	NCEP, USA
Yuhei Takaya	JMA/MRI, Japan	Yi-Hui Ding	NCC, China
Francisco Doblas-Reyes	BSC, Spain	Noel Keenlyside	Univ. Bergen, Norway
Alberto Carrassi	NERSC, Norway	Yi-Guo Wang	NERSC, Norway
Wolfgang Müller	MPI, Germany	Ingo Bethke	NERSC, Norway
Andrea Toreti	JRC, Italy		
Malte Stucker	University of Washington, USA		
Rosie Eade	Met Office, UK		

Local Organizer:

CAS-TWAS Center of Excellence
for Climate and Environment Sciences (ICCES)
Institute of Atmospheric Physics (IAP), CAS

Sponsors:

Chinese Academy of Sciences (CAS)
The World Academy of Sciences for the
advancement of science in developing countries (TWAS)
Institute of Atmospheric Physics, CAS