

# 15th CTWF International Symposium on Atmospheric Aerosol 15th AeroCom and 4th AeroSAT Workshops

19-24 September 2016 Beijing, China

## Background :

With the rapid pace of industrialization and urbanization comes a significant increase in atmospheric aerosol concentrations. Atmospheric aerosols produced by human activities and from natural processes significantly impact radiation, clouds, precipitation and regional and global climate. In this context, atmospheric aerosol has been selected as the topic for this year's international conference of CAS-TWAS-WMO Forum on Climate Science (CTWF). And the 2016 CTWF international conference is jointly organized with the annual meeting of (1) AeroCom, an open international initiative of scientists interested in the advancement of the understanding of global aerosol modeling, large-scale measurement, and aerosol impacts on climate, and (2) AERO-SAT, an international consortium of experts on aerosol remote sensing from ground and space.

The main goal of the joint conference is to bring together experts to exchange ideas, discuss scientific problems in depth, and consider suitable solutions to aerosol-related issues through coordinated efforts. The meeting will consist of invited lectures followed by plenary discussions. There will also be sessions with contributed oral or poster presentations.

## Topics :

- Global modelling of atmospheric aerosols (e.g., desert dust, organics, wildfire smoke, sea salt, sulfate, nitrate)
- Remote-sensing aerosol amount and type retrievals
- In situ observations of atmospheric aerosols
- Ground-based, satellite, and model aerosol product intercomparisons
- Aerosol optics and radiative forcing
- Aerosol effects on clouds and precipitation
- Aerosol and atmospheric chemistry interactions
- Aerosol and climate interactions

## Scientific Committee:

Mian Chin (NASA GSFC)  
Ralph Kahn (NASA GSFC)  
Stefan Kinne (MPI Meteorology)  
Zhaohui Lin (ICCES, IAP/CAS)  
Xiaohong Liu (Univ. Wyoming)  
Thomas Popp (German Aerospace Center)  
Michael Schulz (Norwegian Meteo. Institute)

## 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

## Important Dates:

Deadline for On-line Registration: *July 1, 2016*  
Deadline for Abstract Submission: *July 1, 2016*  
Notice of Abstract Acceptance: *July 31, 2016*

## Local Organizer:

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

## Contact:

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