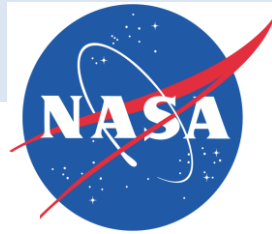


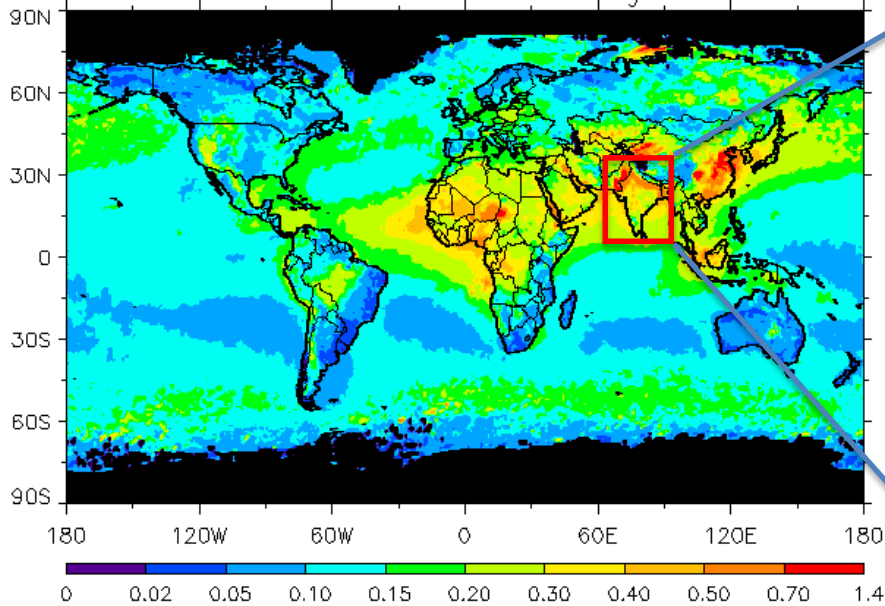
evaluation of Aerosol Simulations over South Asia in multi-models

presented by Xiaohua Pan (NASA GSFC)

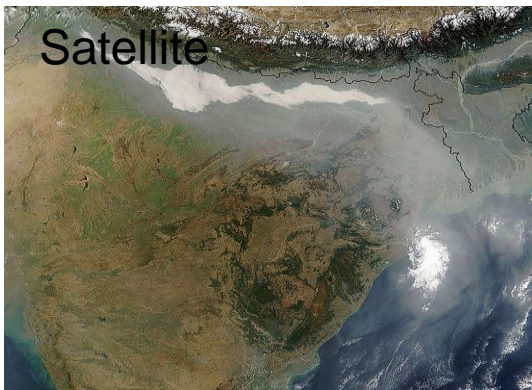
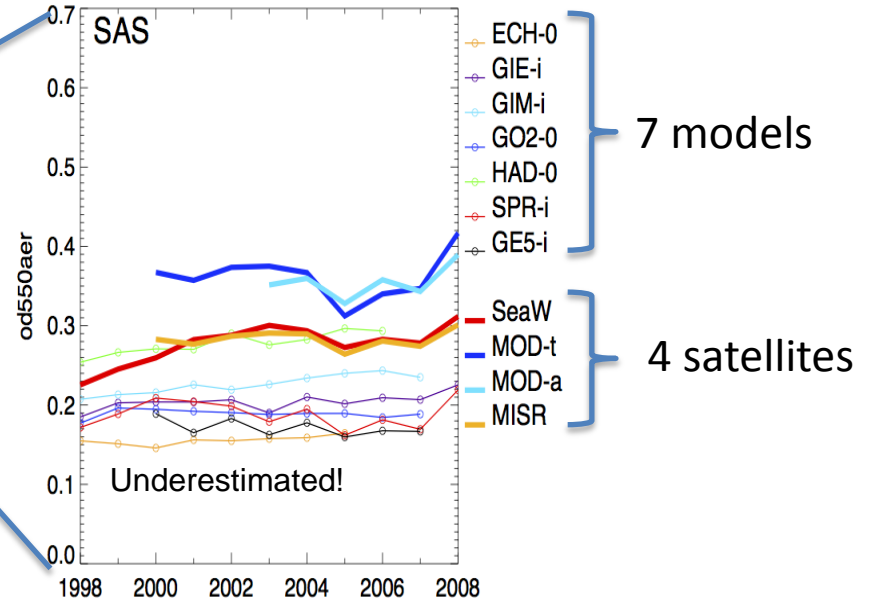


MODIS-Terra AOD 2006

MODIS-Terra od550aer 2006 avg=0.160



Annual mean AOD over South Asia 1998-2008



Real life



health and future!!!



Highlights

- ❑ 6 out of 7 models consistently **underestimate** the AOD over South Asia, especially over northern India during winter and post-monsoon.

Why?

- ❑ **For the first time**

1. NASA **GEOS5** is compared with other AeroCom models
2. The simulation of aerosol over South Asia by **multi-models** is evaluated comprehensively (MODIS, MISR, SeaWiFS, CALIPSO, AERONET, and in-situ measurements)
3. **Relative humidity** is examined in all models.