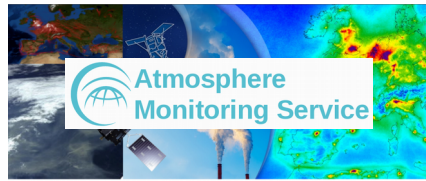


# Assessment of present-day estimates of AOD from global reanalyses against different satellite products and multi-model ensembles

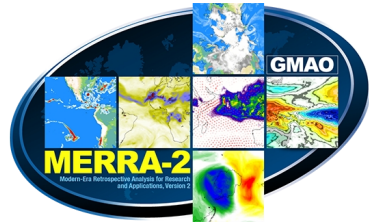
Annika Vogel, Ghazi Alessa, Robert Scheele, Lisa Weber, and Stephanie Fiedler



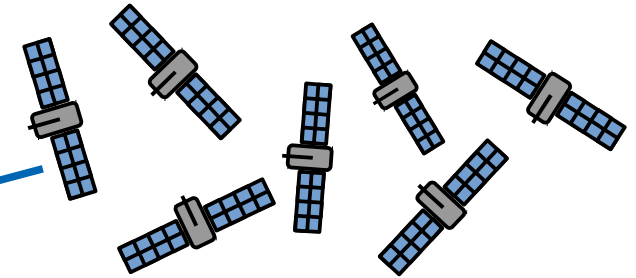
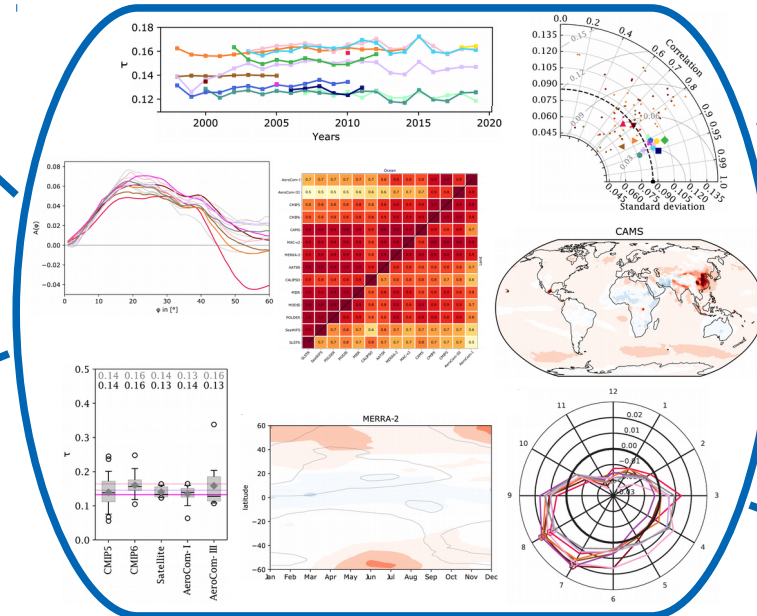
## Intercomparison and evaluation of aerosol optical depth (AOD)



CAMS reanalysis

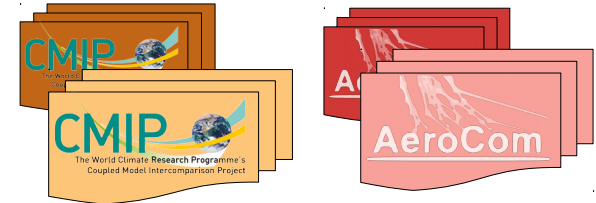


MERRA-2 reanalysis



7 satellite products

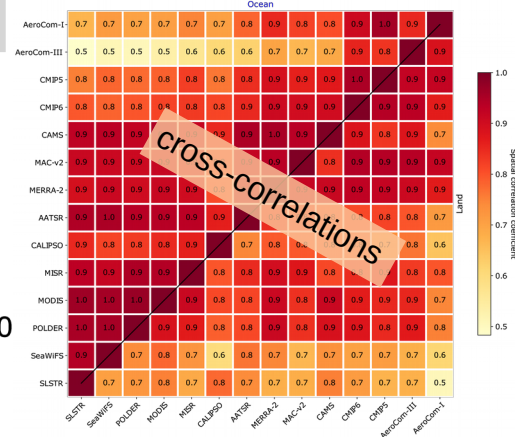
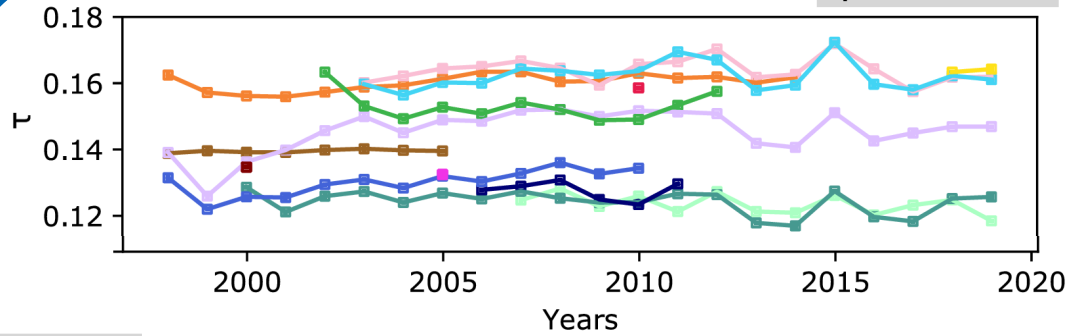
MAC-v2 climatology



4 multi-model ensembles

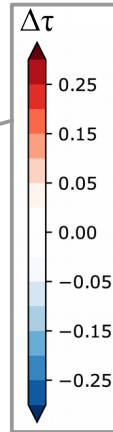
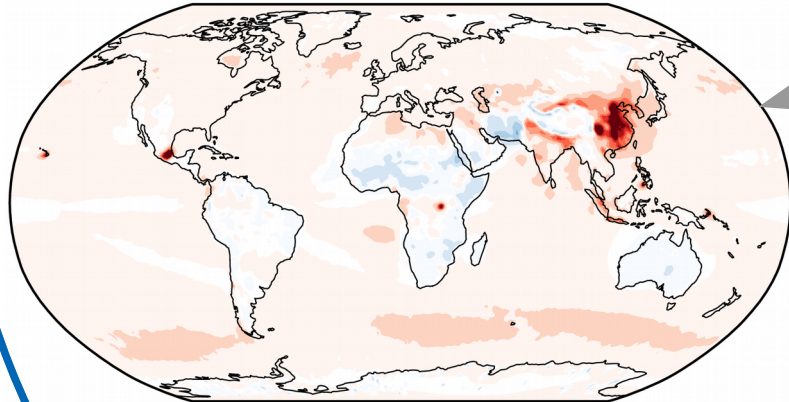
# Intercomparison and evaluation of aerosol optical depth (AOD)

spatial mean



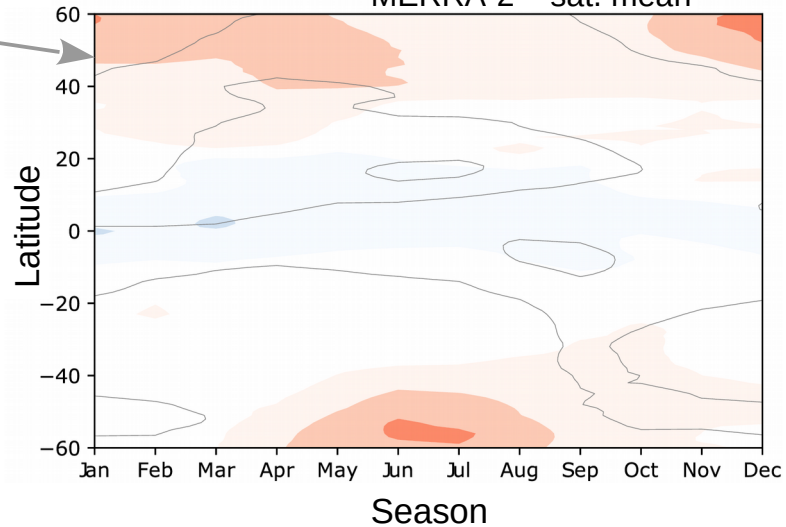
spatial patterns

CAMS – sat. mean



seasonal cycle

MERRA-2 – sat. mean



Vogel et al.: *Uncertainty in aerosol optical depth from modern aerosol-climate models, reanalyses, and satellite products*

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