GEOS-5 Aerosol Group at NASA/Goddard

✦ Group Members
- Arlindo da Silva, Virginie Buchard (Data Assimilation)
- Anton Darmenov, Pete Colarco (Modeling)
- Cynthia Randles (Diagnostics)
- Patricia Castellanos (OSSEs)

✦ GEOS-5 Forecasts
- Global 5-day chemical forecasts
- O3, aerosols, CO, CO₂, SO₂
- Expects 12.5 km resolution for KORUS
- Driven by real-time biomass emissions from MODIS FRP (QFED)
- Constituents transported on-line, interactively
- Since 2007 supported several field missions including TC4, ARCTAS, GloPac, ATTREX, DISCOVER-AQ, HS3, SEAC4RS, etc.

✦ Aerosol Data Assimilation
- In NRT, GEOS-5 assimilates MODIS AOD data, contemplating GOCI AOD
- In post-mission, reanalysis mode addition of MISR, AERONET data

http://gmao.gsfc.nasa.gov/forecasts/