

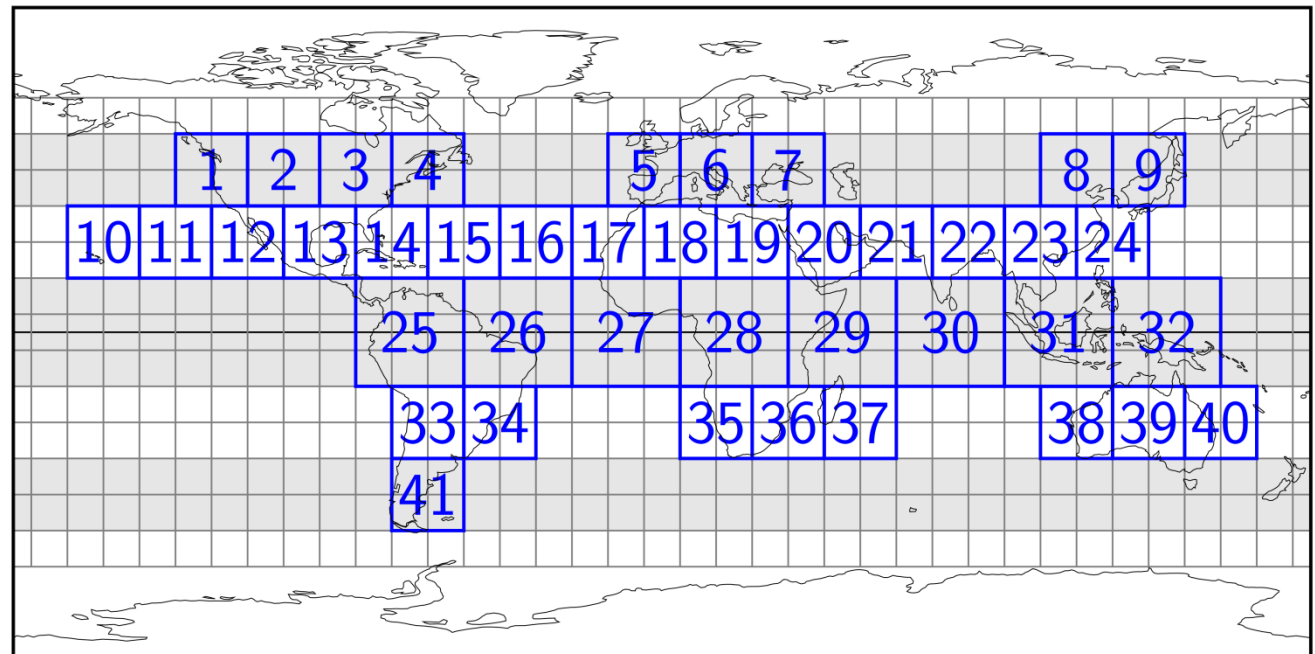
Regional Aerosol Optical Depth Trends with MATCH, CCCM and MODIS

David Fillmore and Seiji Kato AeroCom, Hamburg

Monthly time series
MATCH, MODIS
2001-2012

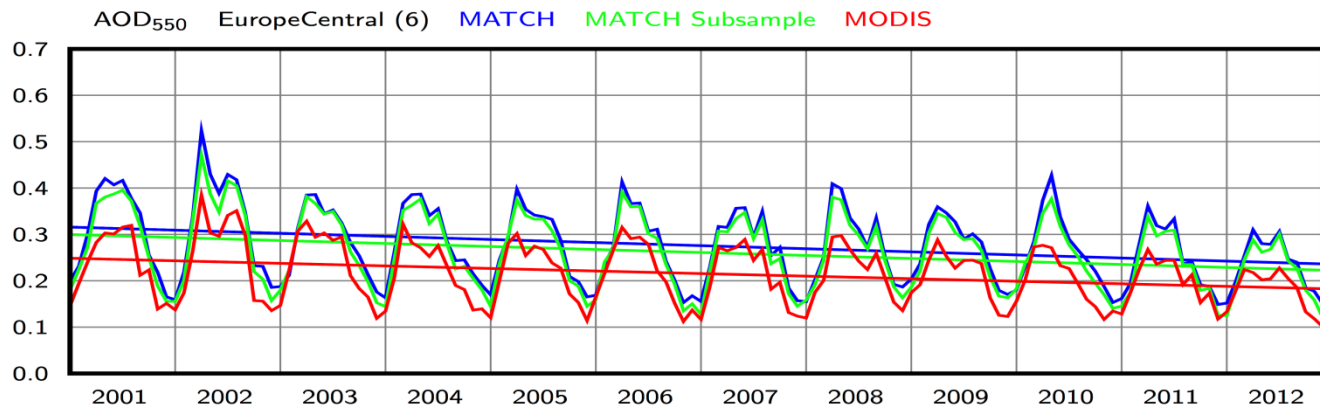
MATCH assimilates
MODIS AOD (550)
(also Deep Blue)

CCCM
layer AOD
2007-2010

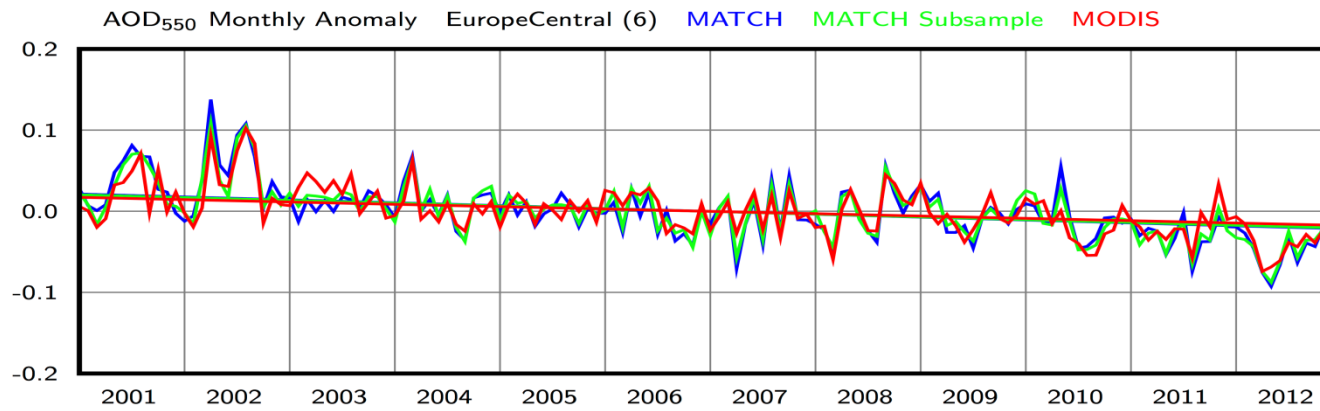


gridded to NCEP T62

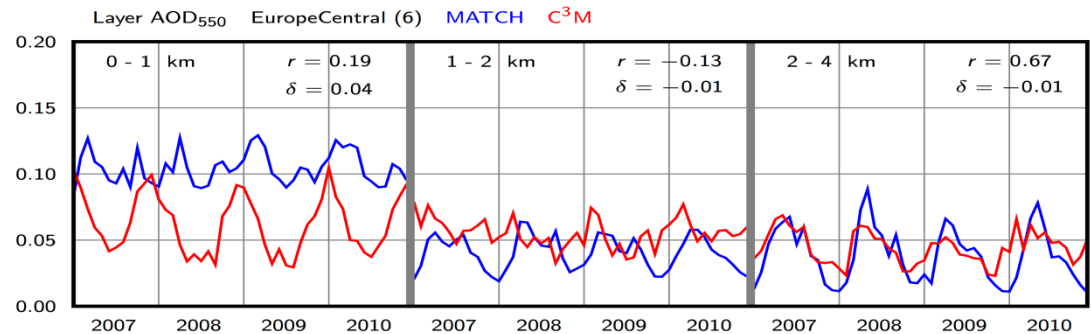
2013 September 23



MATCH
MATCH subsample with
MODIS daily coverage
MODIS



MATCH
CCC



EuropeCentral (6)	b (decade ⁻¹)	a	r	p	ϵ
MATCH	-0.067	0.316	-0.283	0.001	0.000
MATCH Subsample	-0.065	0.300	-0.281	0.001	0.000
MODIS	-0.055	0.249	-0.298	0.000	0.000

$$AOD_{550} = b t + a$$