Supplement of Atmos. Chem. Phys., 18, 5021–5043, 2018
https://doi.org/10.5194/acp-18-5021-2018-supplement

Atmospheric Chemistry and Physics
Open Access
EGU

Supplement of

An assessment of aerosol optical properties from remote-sensing observations and regional chemistry–climate coupled models over Europe

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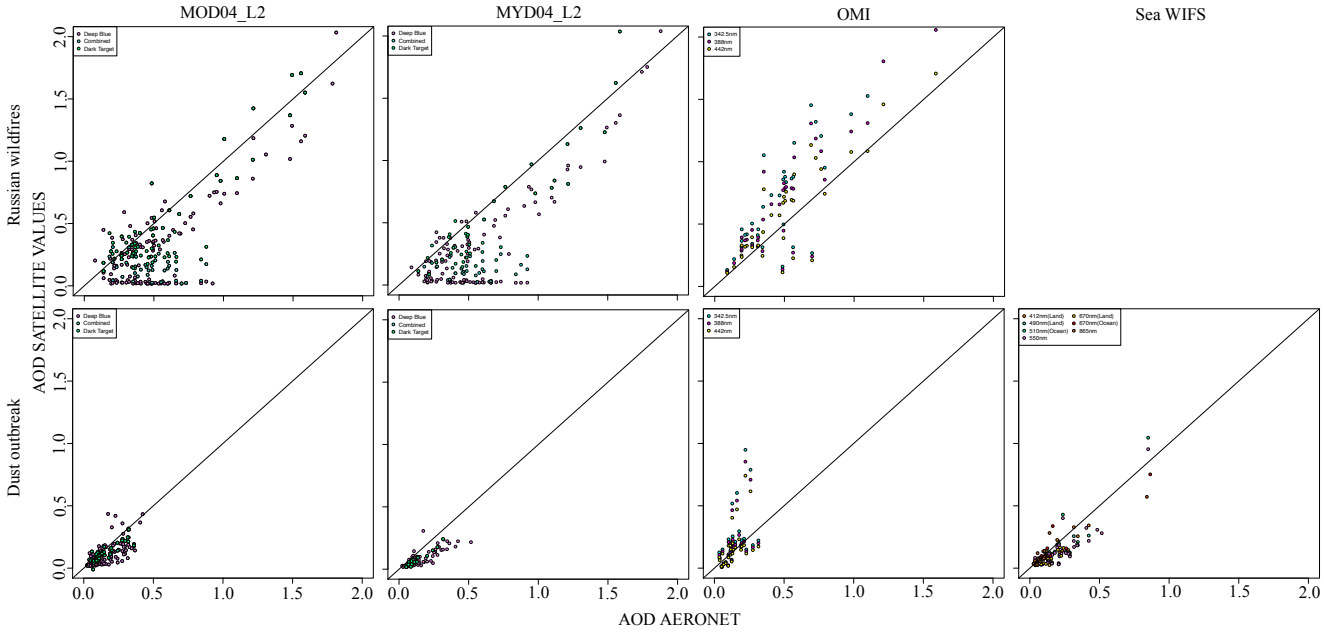

Figure S1. Satellite-AERONET linear regression. Russian wildfires case (top) and Saharan dust outbreak case (bottom). AOD from MOD04_L2 and MYD04_L2 at 550nm. For OMI and Sea WIFS AOD at indicated wavelength.

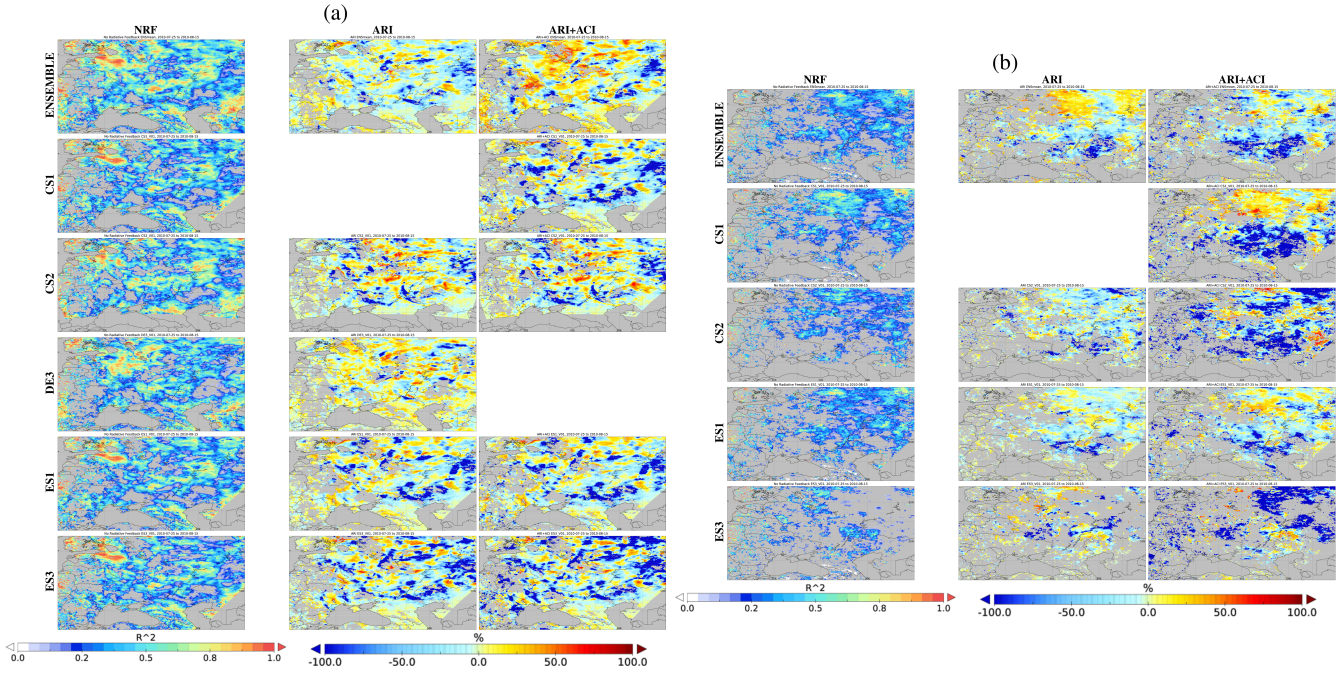

Figure S2. Determination coefficient for the NRF simulations (first column) and their improvements due to ARI (second) and ARI+ACI (third) of the model-MODIS comparison of AOD at $550nm$ (left) and AE between $412/470nm$ (right) for the Russian wildfires case.

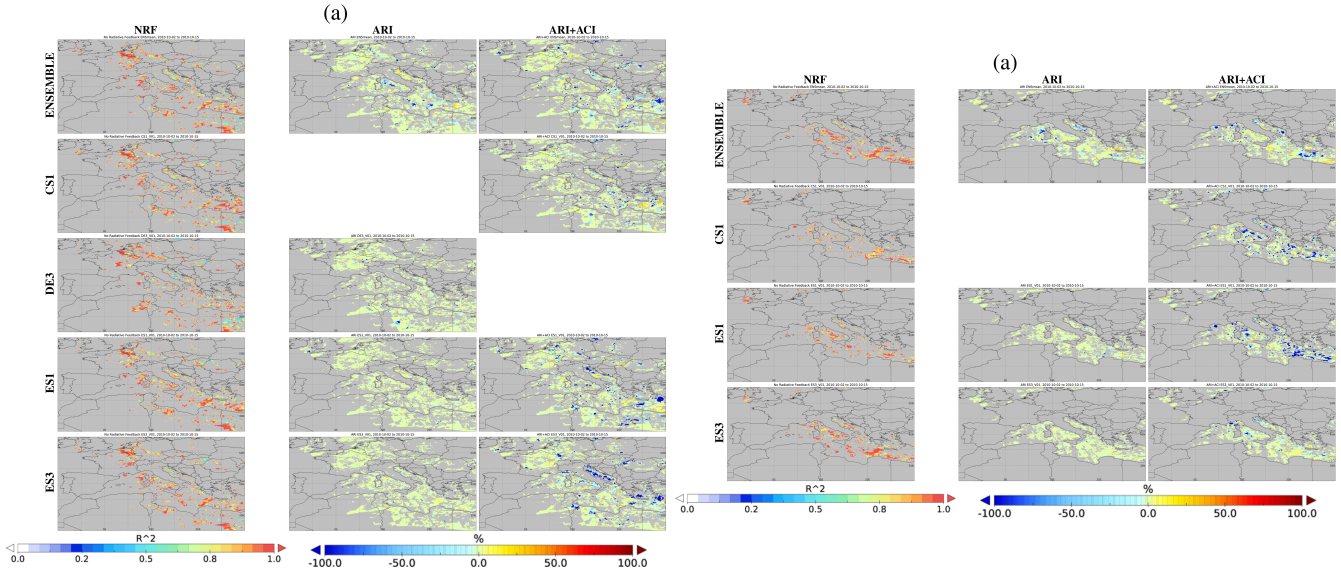

Figure S3. Determination coefficient for the NRF simulations (first column) and their improvements due to ARI (second) and ARI+ACI (third) of the model-MODIS comparison of AOD at $550nm$ (left) and AE between $550/860nm$ (right) for the Sahara desert dust outbreak case.