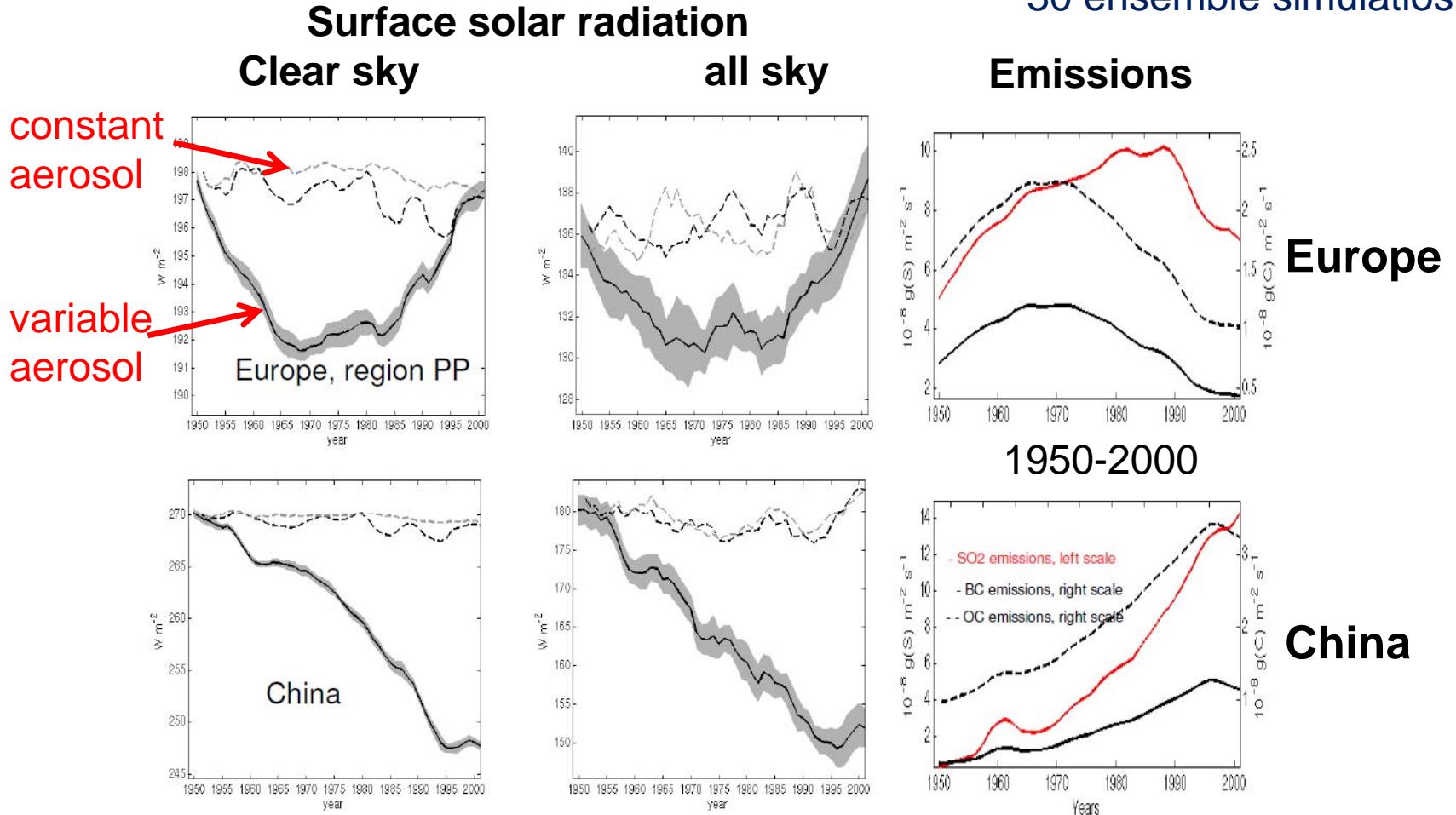


Global Dimming/Brightening in ECHAM5-HAM Sensitivity studies 1950 - 2000

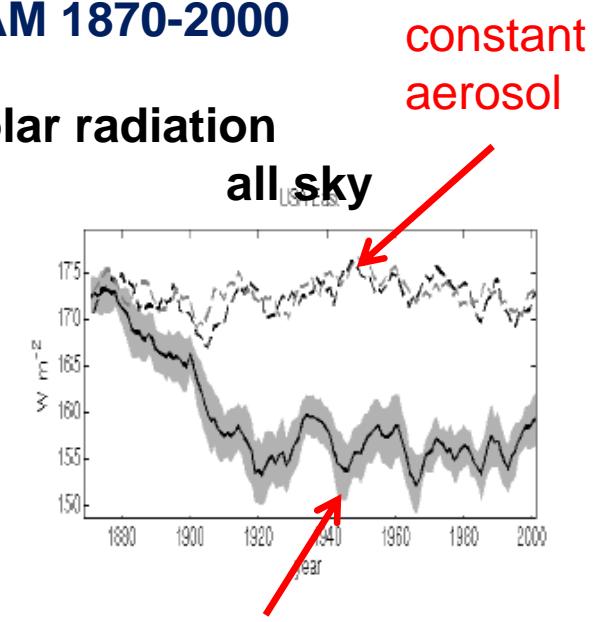
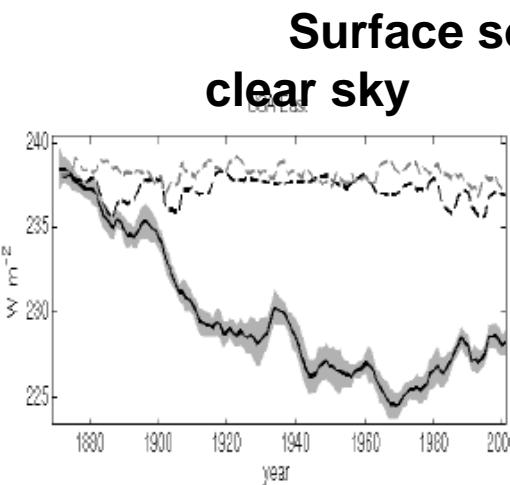
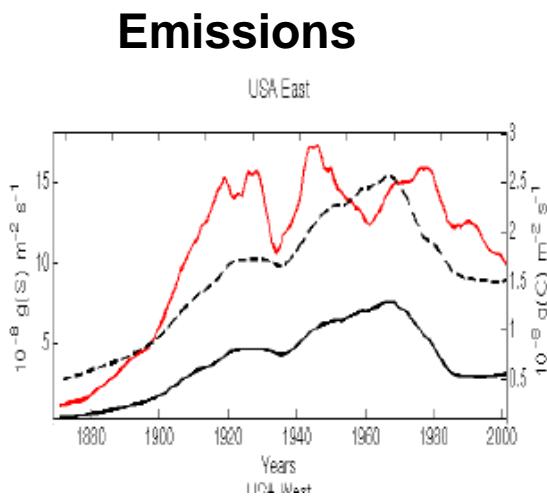
Doris Folini and Martin Wild, ETH Zürich



Global Dimming/Brightening in ECHAM5-HAM Transient integrations 1870 - 2000

Doris Folini and Martin Wild, ETH Zürich

20 ensemble simulations with ECHAM5-HAM 1870-2000



Eastern US 1870-2000

variable
aerosol

Aerosol effects in surface radiation discernible from early 20th century onward in industrialized regions