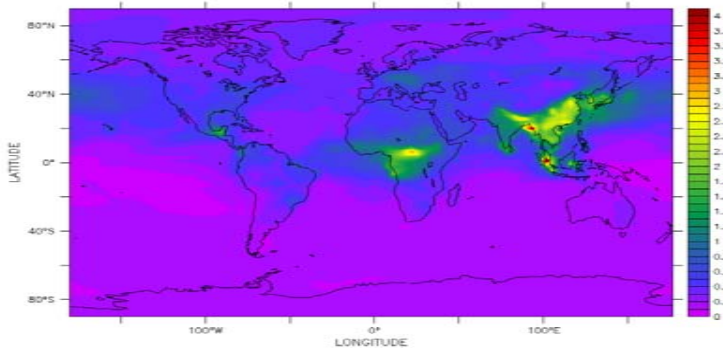# Influence of clouds and vertical aerosol distribution on direct radiative effect

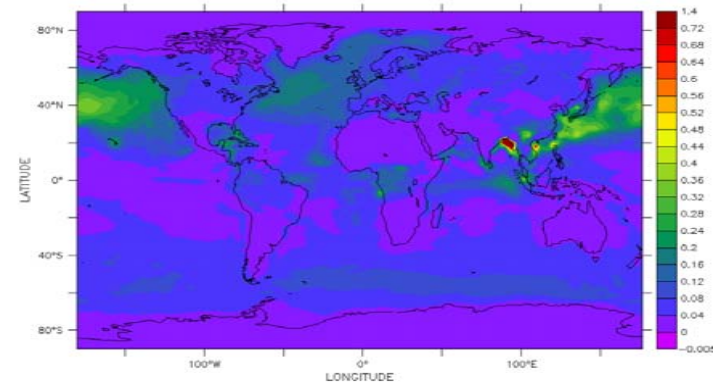**M. Raffaella Vuolo, Michael Schulz, Yves Balkanski**
Laboratoire des Sciences du Climat et de l'Environnement (LSCE) 91190 Gif-sur-Yvette, France
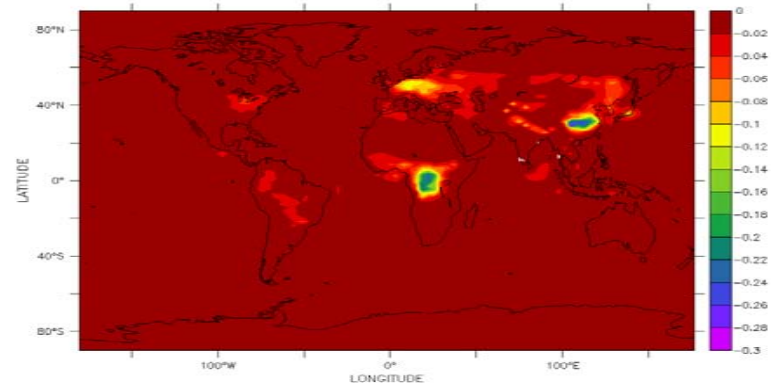
RF_AS(BC): All-sky BC forcing

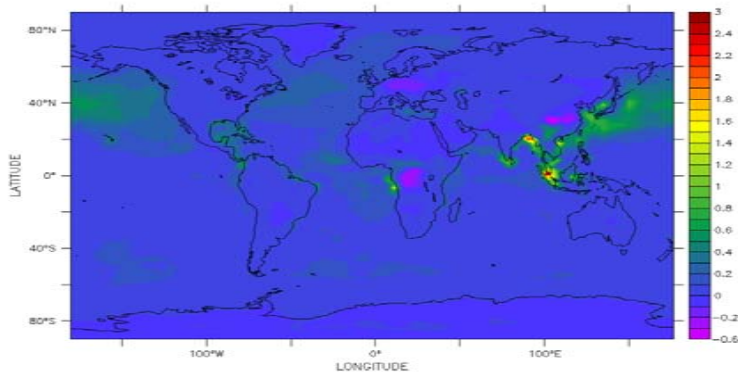BC radiative forcing all-sky at TOA (W/m2)

dRF(BC abv clouds)

dRF=RF_AS(BC)-RF_CS(BC)

SWTOAAS_BC—SWTOACS_BC

dRF(BC blw clouds)

SWTOAAS_BC—SWTOACS_BC