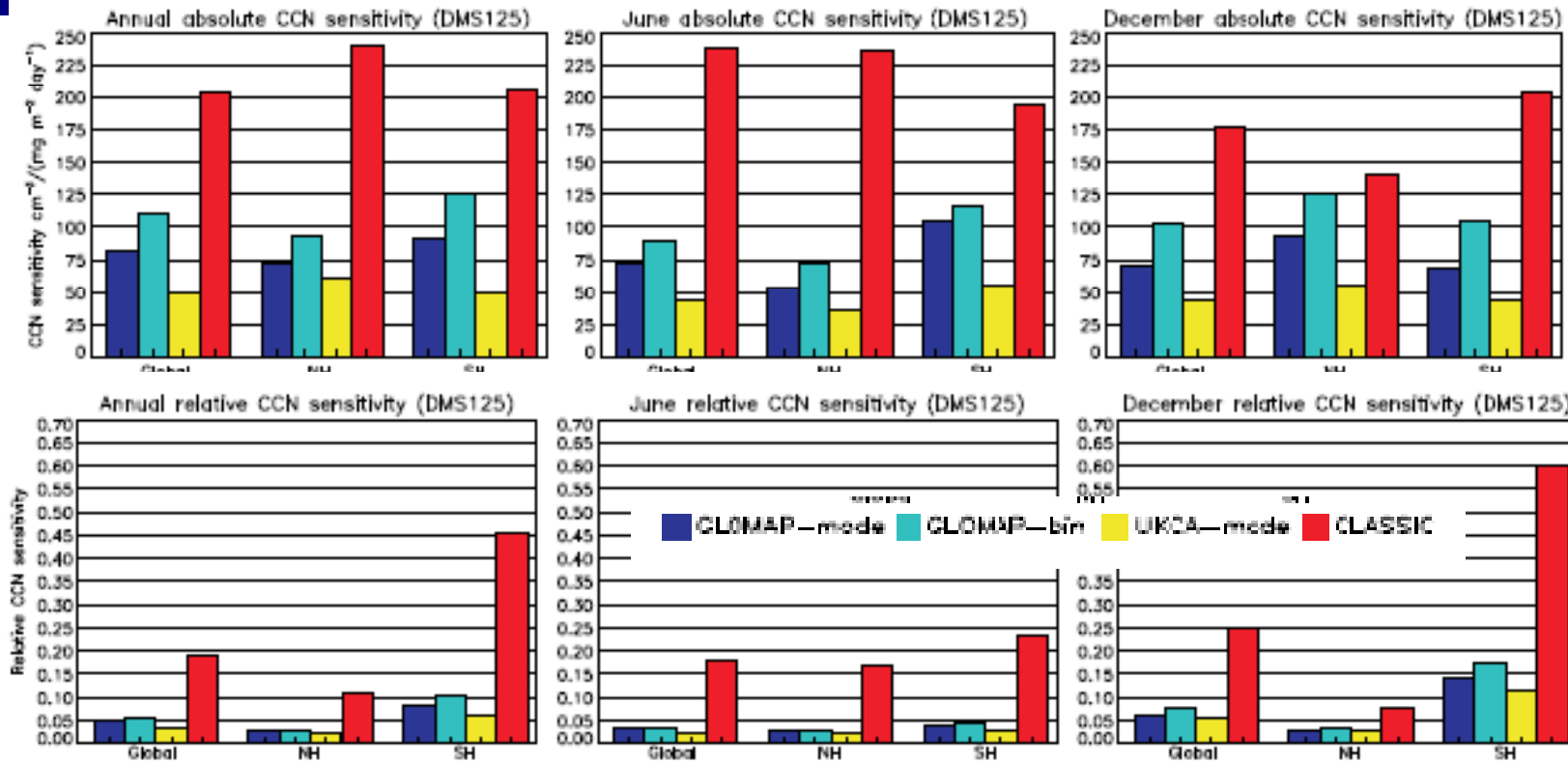


UKCA experiments on DMS-climate feedbacks



CLASSIC mass-based aerosol scheme (in HadGEM2-ES for IPCC AR5) overestimates CLAW feedback because any increase in aerosol mass (e.g. from in-cloud oxidation of SO₂) increases CDN (brighter clouds).

GLOMAP aerosol microphysics conserved number calculates changes to CCN and subsequent aerosol indirect effects on climate more realistically

Matt Woodhouse (Leeds) : from PhD thesis 2010.