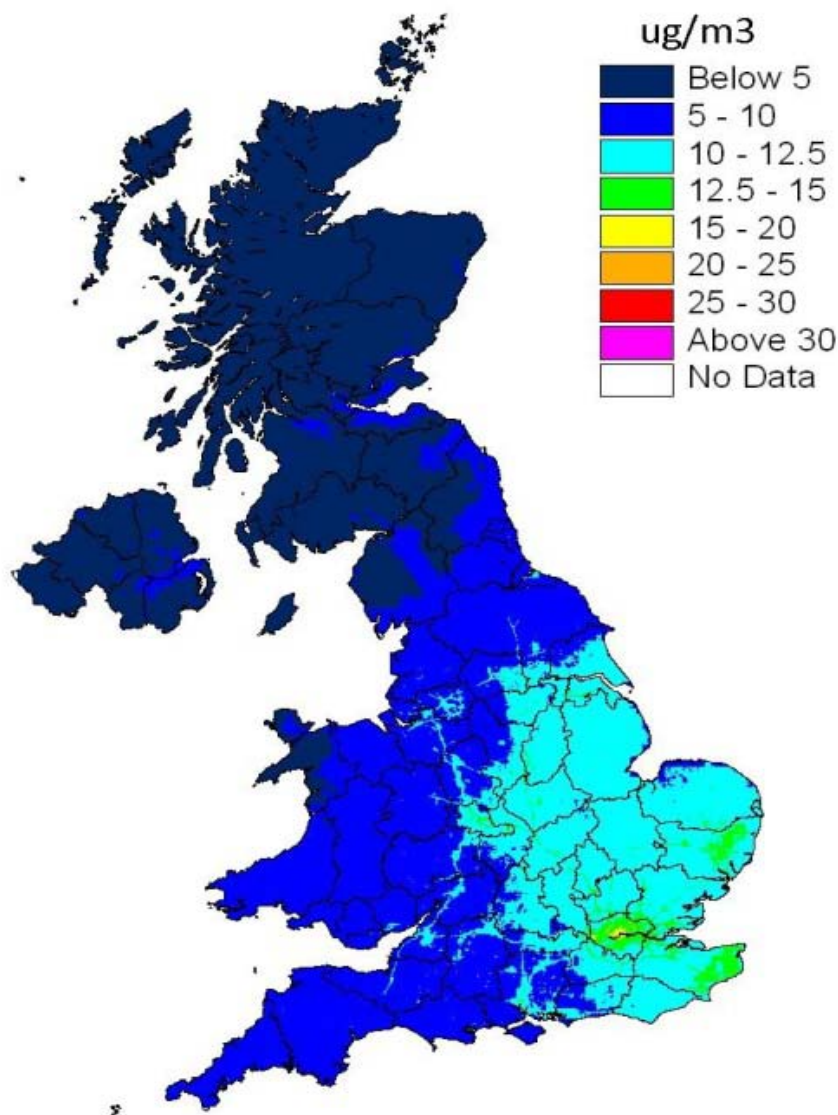


Recent modelling of PM_{2.5} in the UK: *effect of Gburg Rev on future trends to 2020*

Helen ApSimon & Tim Oxley





Total PM_{2.5} Concentration (2010)
Source: UKIAM V3.4 / ASAM V3

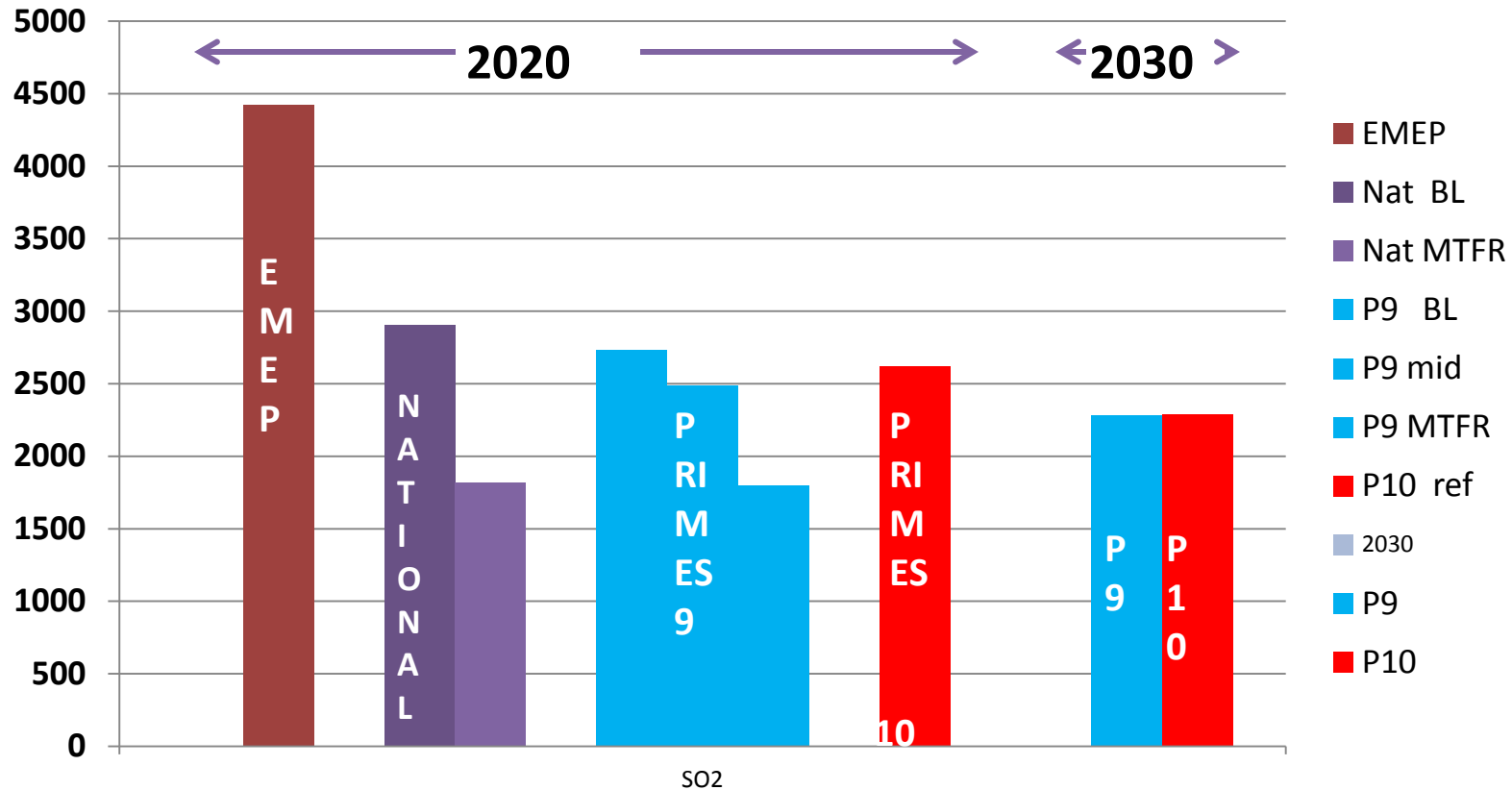
Components of PM_{2.5} mapped and summed by UKIAM for 2010 (checked with measurements):-

Primary PM (*UK NAEI & BRUTAL sub-model*)

Secondary SO₄+NO₃+NH₄ (*hybrid EMEP European & FRAME UK + N Sea ships*)

Other: SOA, water, s. salt, rural&urban soil/dust

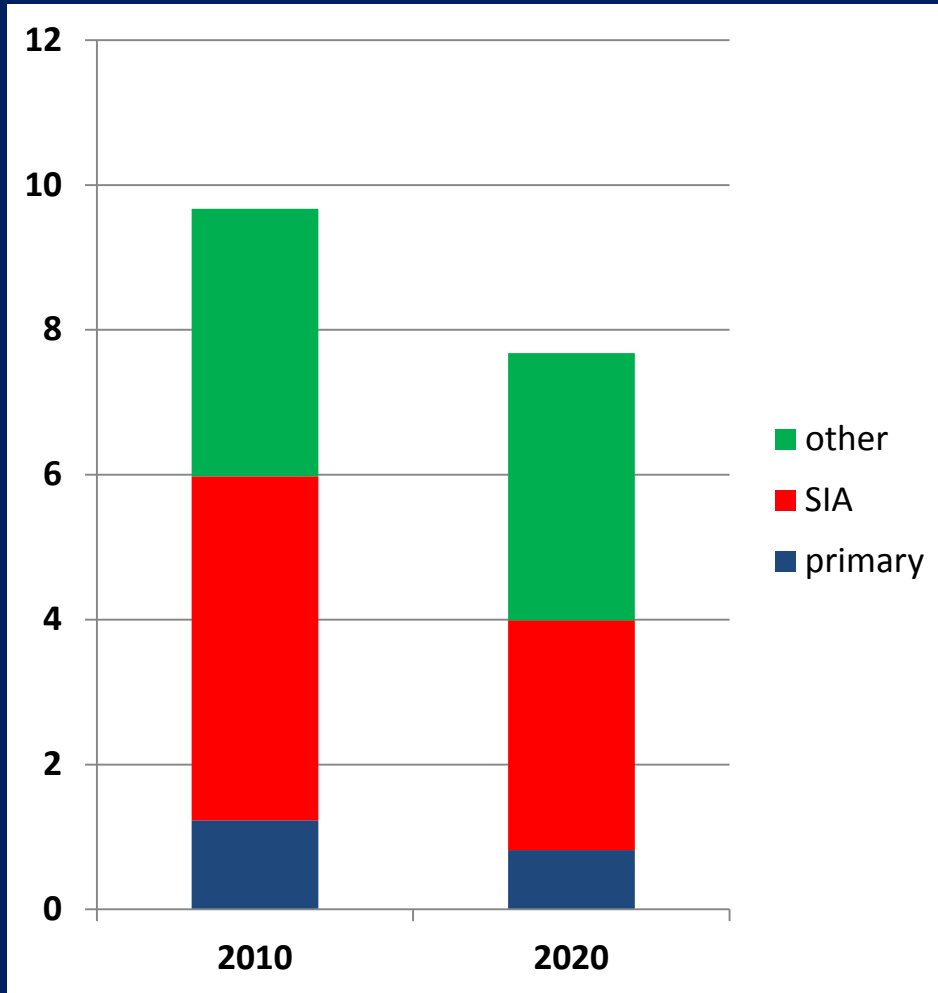
Emission scenarios EU27 from GAINS (SO₂ kt)



PM2.5

(topic of forthcoming AQEG report: chapter 5 modelling and trends 2010 to 2020)

Attainment of EU target (~15%) very dependent on emissions reductions in Europe.



Pop weighted mean concns ($\mu\text{g}/\text{m}^3$)