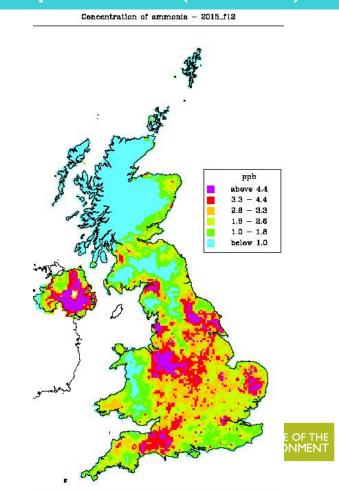
Concentration Based Estimated Deposition (CBED)

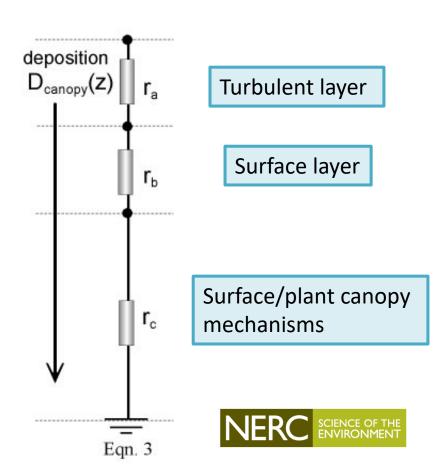
- CBED predicts air pollutant deposition to UK landscape from measured concentrations at monitoring sites. (SO2, NO2, HNO3, NH3, SO4, NO3 and NH4)
- Deposition is product of concentration map and a process to deliver the pollutant from the atmosphere to the landscape.

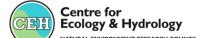




CBED – Dry deposition NH3

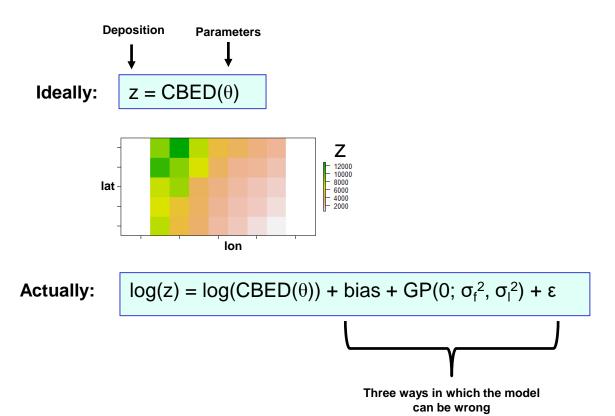
- Modified big leaf model.
- Transfer rates atmosphere to canopy surface.
- Uptake by mechanisms within plant canopy e.g. leaf stomata.



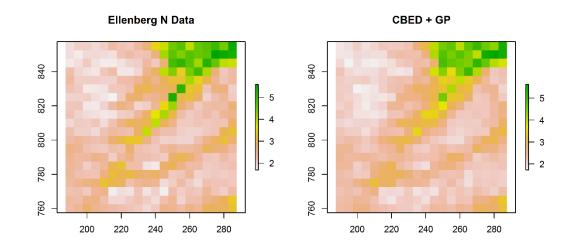


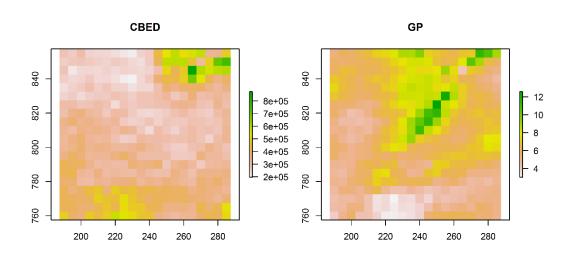
Smith et al (2000)

CBED uncertainties









Marginal distribution of posterior CBED parameters

