Interactive comment on “Modelling of base cation emissions, concentrations and deposition in the UK” by M. Werner et al.

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Fig. 1. Anthropogenic emission of calcium for the year 2006. Unit: kg ha\(^{-1}\) year\(^{-1}\).
Fig. 2. Wind driven dust emission of calcium. An average for the years 1997, 2000, 2001 and 2003. Unit: kg ha⁻¹ year⁻¹.

Fig. 3. Sea salt aerosol production: number of particles for different wind speed for three parameterizations (left); mass emitted for different wind speed for Monahan parameterization (right).
**Fig. 4.** Distribution of base cation concentrations (µg m⁻³) for the year 2003: A) Na⁺, B) Mg²⁺, C) Ca²⁺ and 2006: D) Na⁺, E) Mg²⁺, F) Ca²⁺ Errors for individual sites (%) are presented by dots.

**Fig. 5.** Distribution of base cations wet deposition (kg ha⁻¹ year⁻¹) for the year 2003: A) Na⁺, B) Mg²⁺, C) Ca²⁺, and 2006: D) Na⁺, E) Mg²⁺, F) Ca²⁺ Errors for individual sites (%) are presented by dots.