Figure S1. Comparison of modelled PM$_{2.5}$ (27 km resolution) with measurements at Harwell (UK) in January 2006.

Figure S2. Comparison of modelled PM$_{2.5}$ (27 km resolution) with measurements at Harwell (UK) in June 2006.

Figure S3. Comparison of modelled PM$_{2.5}$ (27 km resolution) with measurements at Harwell (UK) in January 2007.
Figure S4. Difference in monthly average aerosol concentration (µg m\(^{-3}\)) between two simulations with a 15% emission reduction of either NO\(_x\) or NH\(_3\) in January 2006 for the European domain. Aerosol formation is more sensitive to NO\(_x\) emissions in blue regions and more sensitive to NH\(_3\) emissions in red regions.
Figure S5. Difference in monthly average aerosol concentration ($\mu$g m$^{-3}$) between two simulations with a 15% emission reduction of either NO$_x$ or NH$_3$ in June 2006 for the European domain. Aerosol formation is more sensitive to NO$_x$ emissions in blue regions and more sensitive to NH$_3$ emissions in red regions.