



Supplement of

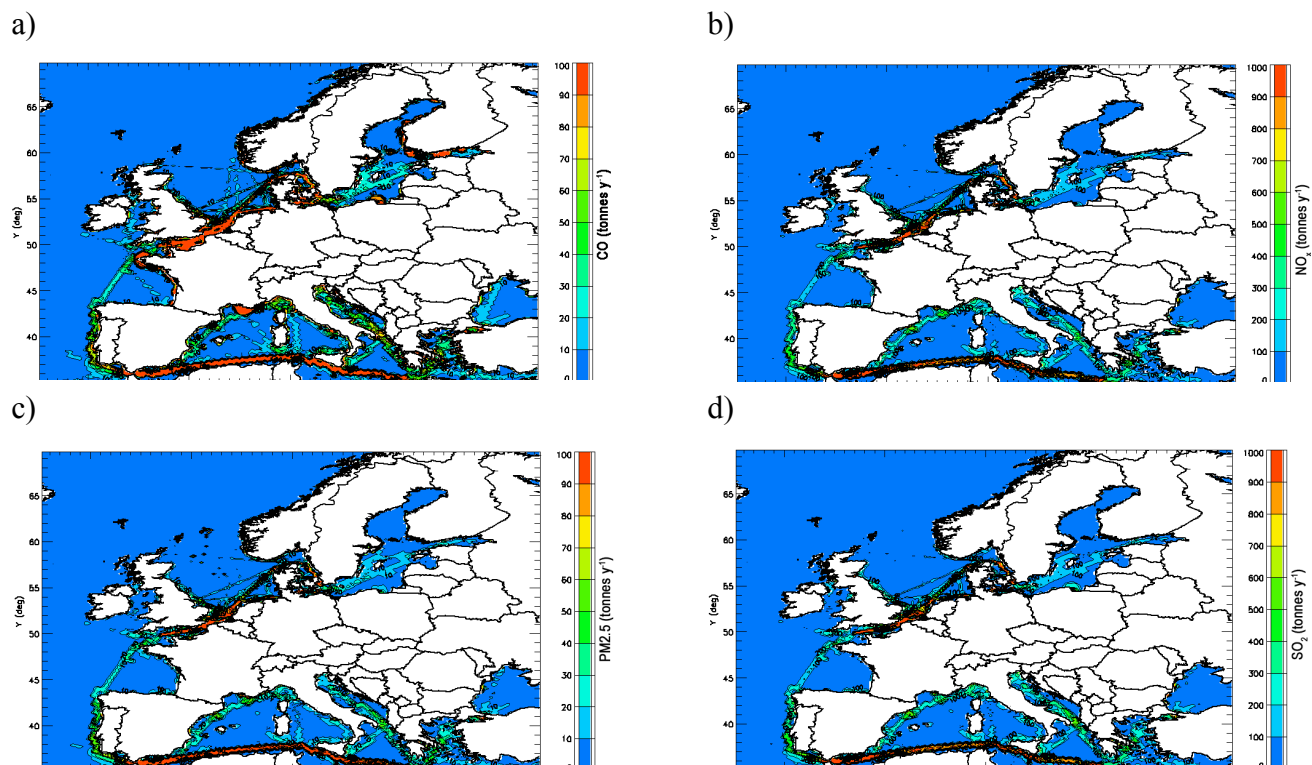
Contribution of ship emissions to the concentration and deposition of air pollutants in Europe

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3 Fig. S1. Annual ship emissions in 2006 a) CO, b) NO_x, c) PM_{2.5}, d) SO₂ (tonnes y⁻¹)

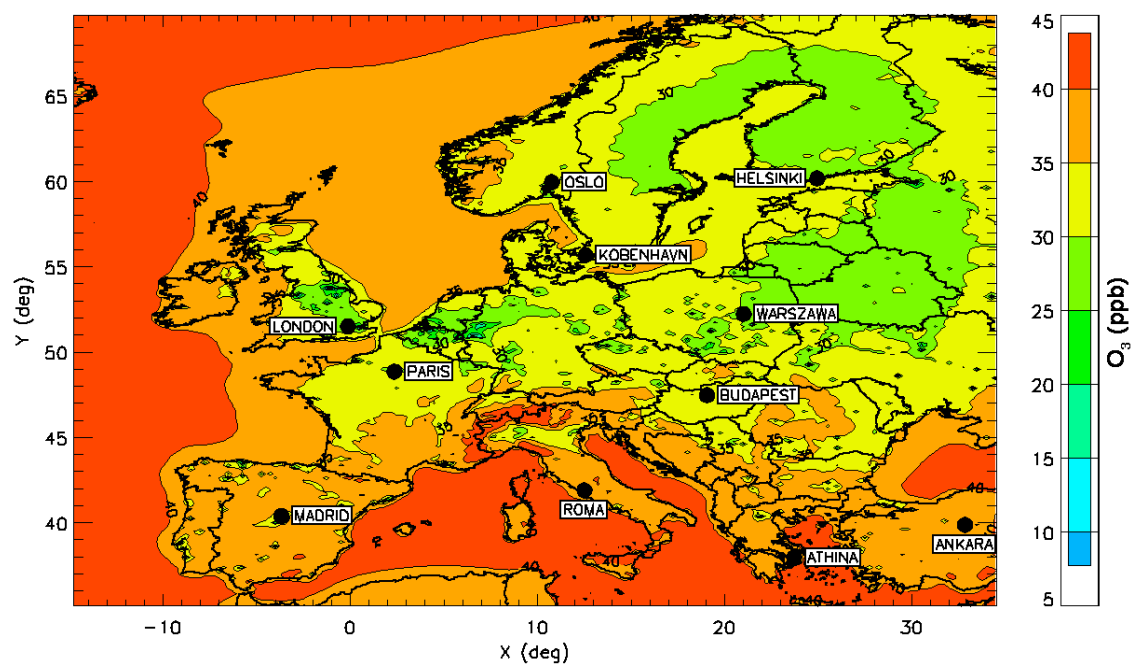


Fig. S2. Annual mean surface O_3 mixing ratio (ppb) in 2006 (no ship).

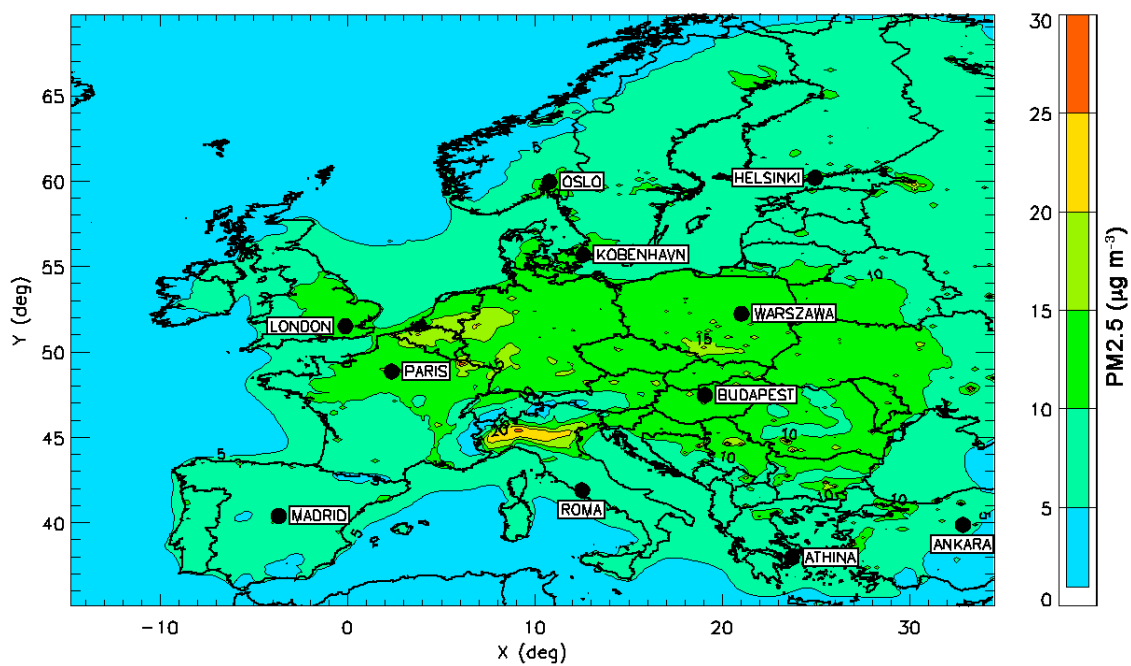


Fig. S3. Annual mean $PM_{2.5}$ concentration ($\mu g m^{-3}$) in 2006 (no ship).

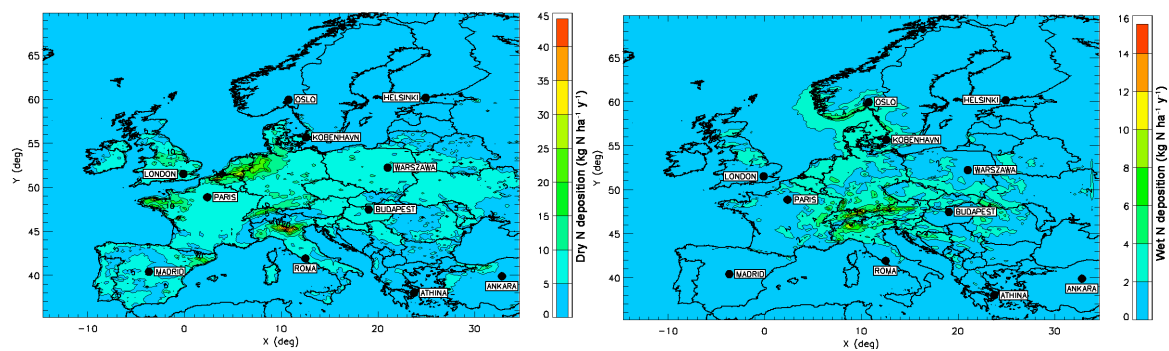


Fig. S4. Dry (left) and wet (right) nitrogen deposition ($\text{kg N ha}^{-1} \text{y}^{-1}$) in 2006 (no ship).

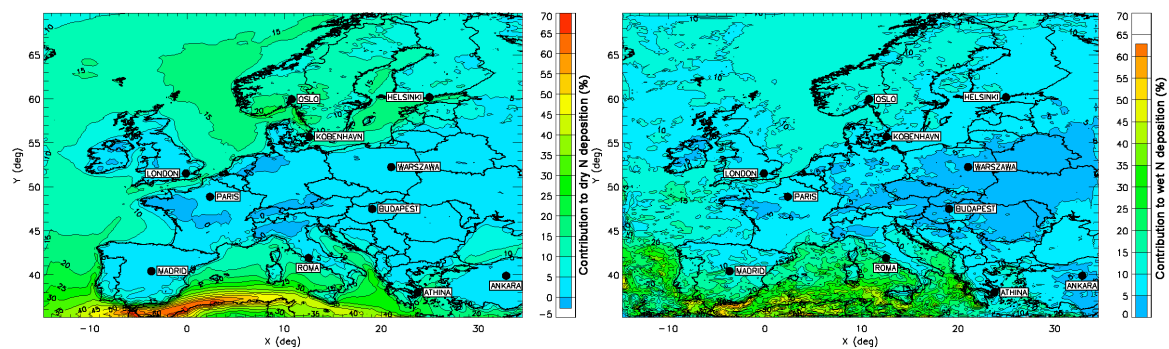


Fig. S5. Contribution of ship emissions to dry (left) and wet (right) nitrogen deposition in 2006 (%) ((base case-no ship) $\times 100$ /(base case)).

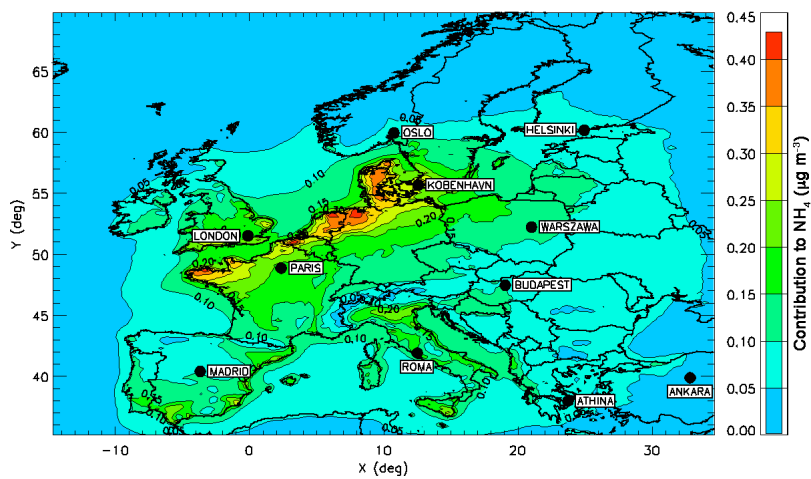


Fig. S6. Contribution of ship emissions to NH_4 in 2006 ($\mu\text{g m}^{-3}$) (base case-no ship).

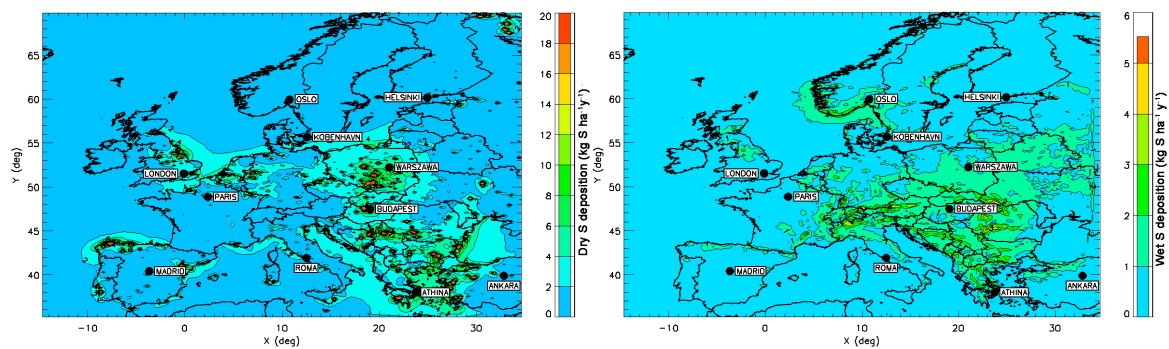


Fig. S7. Dry (left) and wet (right) S deposition ($\text{kg S ha}^{-1} \text{y}^{-1}$) in 2006 (no ship). Note that the actual scale for dry deposition (left) is ten times higher.

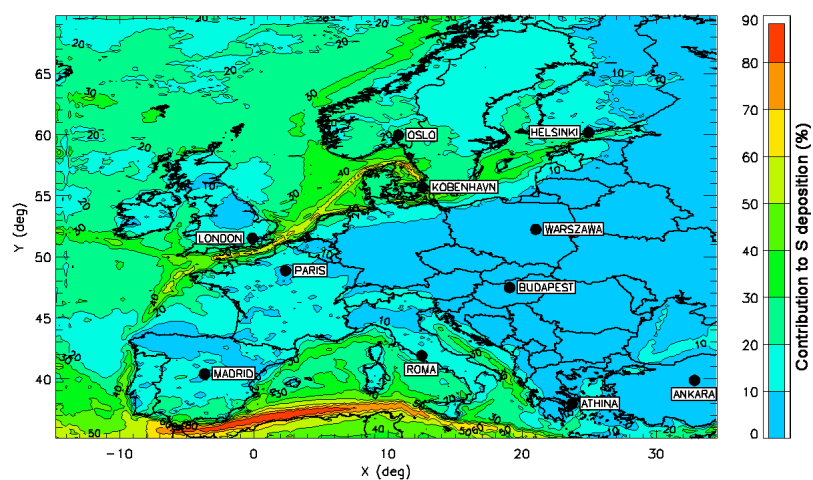


Fig. S8. Contribution of ship emissions to S deposition in 2006 (%) $((\text{base case-no ship}) \times 100 / (\text{base case}))$.