



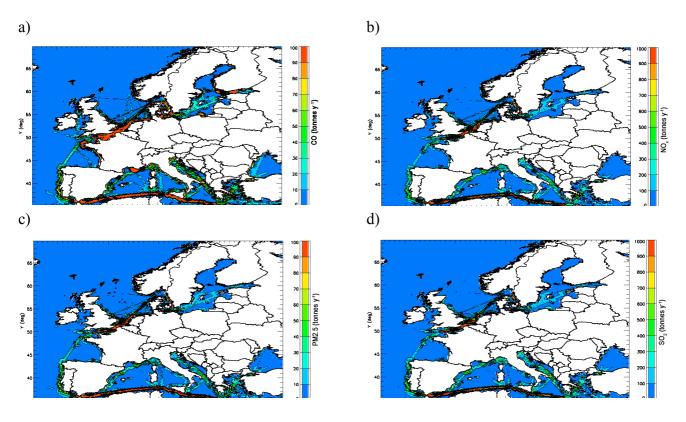
Supplement of

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

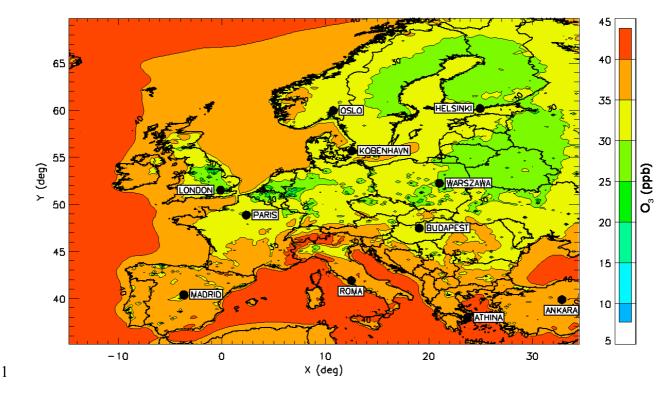
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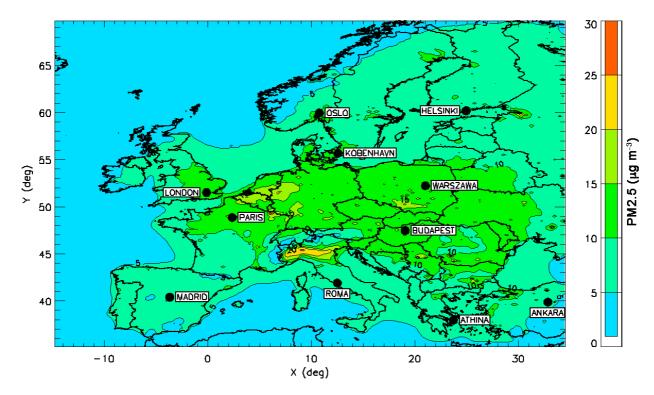
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3 Fig. S1. Annual ship emissions in 2006 a) CO, b) NO_x , c) $PM_{2.5}$, d) SO_2 (tonnes y⁻¹)



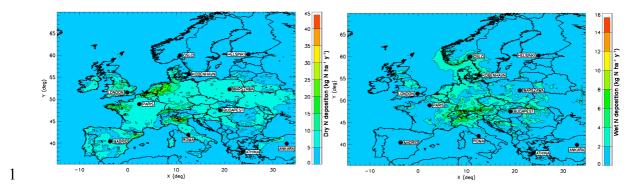
2 Fig. S2. Annual mean surface O₃ mixing ratio (ppb) in 2006 (without ships).



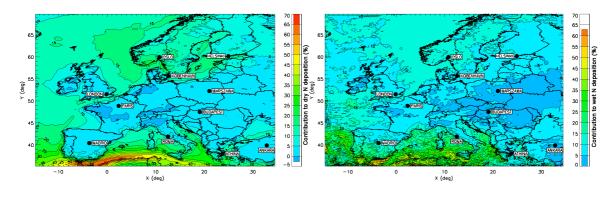


4 Fig. S3. Annual mean $PM_{2.5}$ concentration ($\mu g m^{-3}$) in 2006 (without ships).

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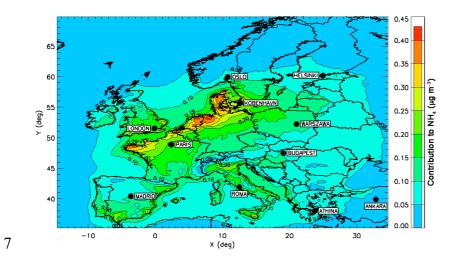
2 Fig. S4. Dry (left) and wet (right) nitrogen deposition (kg N ha⁻¹ y⁻¹) in 2006 (without ships).



4 Fig. S5. Contribution of ship emissions to dry (left) and wet (right) nitrogen deposition in
5 2006 (%).

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8 Fig. S6. Contribution of ship emissions to NH_4 in 2006 (µg m⁻³).

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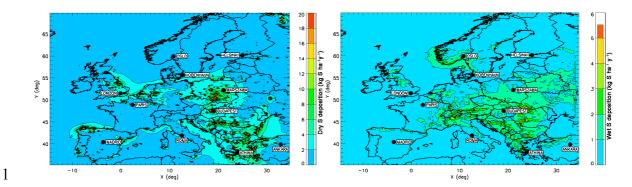
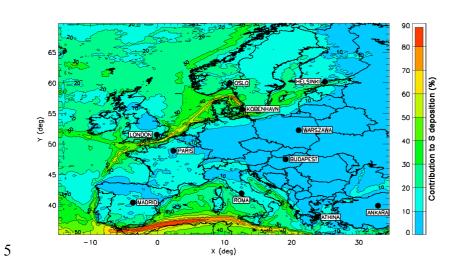


Fig. S7. Dry (left) and wet (right) S deposition (kg S ha⁻¹ y⁻¹) in 2006 (without ships). Note
that the actual scale for dry deposition (left) is ten times higher.

4



6 Fig. S8. Contribution of ship emissions to S deposition in 2006 (%).

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