

Interactive comment on “Sectorial and regional uncertainty analysis of the contribution of anthropogenic emissions to regional and global PM_{2.5} health impacts” by Monica Crippa et al.

Monica Crippa et al.

monica.crippa@jrc.ec.europa.eu

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We acknowledge the comment posted by J. B. Brandt and we will take into consideration his suggestions as following:

- We cited the paper by Brandt et al. 2013a in the introduction: The total number of premature deaths in the whole model domain is 680000 while we estimate 210000. As Brandt et al. report in their work, their premature deaths estimates are twice as high as the numbers reported for the CAFE study due to the different domain considered for Europe. For this reason a consistent comparison of estimated premature deaths is not feasible.

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- At page 12, line 21 we will also add the following sentence: “The premature deaths induced by international shipping emissions represent 5.5% of total EU PD, in the range the results of Brandt et al. (2013a).”

References Brandt, J., J. D. Silver, J. H. Christensen, M. S. Andersen, J. Bønløkke, T. Sigsgaard, C. Geels, A. Gross, A. B. Hansen, K. M. Hansen, G. B. Hedegaard, E. Kaas and L. M. Frohn, 2013b. Assessment of Past, Present and Future Health-Cost Externalities of Air Pollution in Europe and the contribution from international ship traffic using the EVA Model System. Atmospheric Chemistry and Physics. Vol. 13, pp. 7747-7764, 2013a.

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2017-779>, 2017.

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