

***Interactive comment on “Isolating the climate change impacts on air pollution-related-pathologies over Europe – A modelling approach on cases and costs” by Patricia Tarín-Carrasco et al.***

**Anonymous Referee #2**

Received and published: 17 March 2019

Comments: It is not clear to the reader how the authors estimated the present and future costs of air pollution. The authors should explain in detail the methods used to estimate those costs and how they extrapolated their estimates for the future scenario for each country. The authors used for the epidemiology study a dataset of 25 European countries. Is this compatible with the domain analysed with WRF-Chem? What are the assumptions made here? One basic limitation here is that the study assumes the population constant for the future scenario. As a robustness check it would help to run a second simulation that takes into account the projected population.

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Another limitation of the study is that economy also changes thus affecting air pollution levels. This could also be included in the limitations of the study

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Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2019-21>, 2019.

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