

Author's response to reviews

Title: Health impact assessment of particulate pollution in Tallinn using fine spatial resolution and modelling techniques

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Version: 4 **Date:** 11 December 2008

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We are once again really grateful to the reviewers for very helpful comments to improve the paper.

The remarks and corrections are following:

- ad 2 - The present text is still wrong. EU Directive 99/30/EC is referring to ambient levels of pollutants, not to emission ceilings. The text should be as follows: "If the currently agreed policies related to the emission reductions of PM and its precursors were fulfilled, the average life expectancy would increase by 2.3 months in Europe by 2020 (13)"

Replaced

ad 3 - the reference level for estimation of impacts of long term exposure to PM_{2.5} is still not clearly provided (i.e. the "excess exposure" is not defined. The authors should clearly write "The minimal modelled value for areas outside the borders of Tallinn (0.42 ug/m³) was considered to represent the background level captured by the model and was subtracted from the estimated PM_{2.5} in all areas to calculate the excess long-term exposure level."

Replaced, some additional explanations added

- Re the correction on page 14 (now - top para on page 17) - replace "threshold" by "reference concentration"

Replaced

- Current page 18, 3rd para, 4 line - replace "thou" by "though"

Corrected

- Language

Re-checked by another native speaker

Several other corrections and enhancements has been made in text