

Interactive comment on “Regional temperature change potentials for short lived climate forcings from multiple models” by Borgar Aamaas et al.

Anonymous Referee #1

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The paper presents estimates of regional temperature change in latitude bands from regional emissions of several different short-lived climate forcings based on radiative forcing calculations and regional climate sensitivities from literature. The paper is well presented and the results are useful for first order assessment of the climate impacts of different mitigation strategies for air pollutants. The paper merits publication in ACP after considering the following comments.

Section 3.4 summarizes different uncertainties. It would be useful if the authors could extend the section to include also a discussion of what research that is most urgently needed to reduce the uncertainties in the methodology used.

p9 l319 replace of with on

p10 l337 suggest "more detailed estimates for"

C1

p11 l370-371 check language

Interactive comment on Atmos. Chem. Phys. Discuss., doi:10.5194/acp-2017-141, 2017.