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## ***Interactive comment on “Climate forcing and air quality change due to regional emissions reductions by economic sector” by D. Shindell et al.***

### **Anonymous Referee #2**

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This is an interesting paper, the subject of the combined effect of emission reductions on both AQ and RF is very relevant, and deserves attention. The concept of selecting 3 emission sectors is a valid approach. Also the discussion for the selection of a 20-year time horizon is convincing. The reference list shows the broad knowledge of this area by the authors.

Two additional remarks. The two models used, GISS and CAM give different results, and these differences are also partly discussed and attempts are made to explain these differences. However, the reason why these two models are used is not made very clear. Why is not just one model (GISS) selected. It would be useful in case

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the authors could shortly discuss what would/could be the result in case they would also have considered in this study next to the 3 selected sectors the agricultural sector. What would have been the effect of a reduction of 30 % in NH<sub>3</sub> emissions?

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Interactive comment on Atmos. Chem. Phys. Discuss., 8, 11609, 2008.

**ACPD**

8, S7338–S7339, 2008

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