

Interactive comment on “Connections between atmospheric sulphuric acid and new particle formation during QUEST III–IV campaigns in Heidelberg and Hyytiälä” by I. Riipinen et al.

I. Riipinen et al.

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We gratefully acknowledge both referees for their constructive comments that we think have improved the revised manuscript to be submitted for publication in ACP. We have carefully considered the referees' questions and comments and have modified the manuscript according to their suggestions.

In particular, we have added speculation on the possible role of ammonia and organics in the particle formation and growth processes, as mentioned in the interactive discussion with the referees. We have also added more discussion on the possible reasons for the differences between the nucleation coefficients observed in Heidelberg and Hyytiälä.

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Interactive Discussion

Discussion Paper

Our responses to the referees' comments can be found in detail in our answers to the referees in the interactive discussion section.

Interactive comment on Atmos. Chem. Phys. Discuss., 6, 10837, 2006.

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