

Interactive
Comment

***Interactive comment on* “The impact of weather and atmospheric circulation on O₃ and PM₁₀ levels at a mid-latitude site” by M. Demuzere et al.**

R. Ebinghaus (Editor)

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This manuscript has been evaluated by one anonymous referee and J. Dawson. Measurement data have been used to develop model based predictive capabilities for ozone and PM₁₀ levels with both weather type and multiple regression approaches. Although both reviewers admit that this manuscript contains interesting aspects and methodologies both doubt the significance and relevance because of the limitation to just one site, the meteorological research station at Cabauw, the Netherlands and possibly the rural community around. The authors must clarify the relevance and representativeness of their study. Since this is a principal problem that cannot simply be solved by editorial revisions, further scientific elaboration and additional information, I suggest that the authors should give a statement on this particular aspect first. Or as

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a simple question: what is the (scientific) added value of this exercise for people not living in Cabauw ?

Interactive comment on Atmos. Chem. Phys. Discuss., 8, 21037, 2008.

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