

## ***Interactive comment on “Development and validation of tools for the implementation of European air quality policy in Germany (Project VALIUM)” by M. Schatzmann et al.***

**M. Schatzmann et al.**

Received and published: 2 May 2006

Comment by reviewer: Excellent paper focussing on critical questions for the research community in micrometeorology. Specific comment: The paper implicitly claims that Goettinger Strasse in Hanover/Germany is an experimental site representative of all European countries (South or North) and can be used as a reference for street canyon pollution and development and validation of tools for European air quality policy. This must be discussed in the paper.

Reply: The author does not believe and it is not stated in the paper that the Goettinger Strasse site would be representative for any other street canyon in Europe. This street

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canyon is one specific example of a street canyon. It has got a few particular features which are certainly not found at other places. However, these particularities do not by any means invalidate the general importance of the study.

Comment by reviewer: Only a few remarks or questions: 1) Baklanov et al., 2005 must be added in the reference list.

Reply: The manuscript which was submitted contained a complete reference list. Obviously the editor deleted all those references which did not yet appear and included instead of those foot notes. Seems to be the style of the journal.

Comment by reviewer:

2) what is the significance of "x" in  $v=f(\text{veh.}, x, t)$  on Figure 3 ?

Reply: "x" is a normal position vector. The equation says that the typical velocity of a vehicle depends on vehicle type, the position in the street (relative to a traffic light, a crossing etc.) and the time of the day (rush hour, night time etc.). So all these parameters were registered.

That's it. Regards, Michael Schatzmann

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Interactive comment on Atmos. Chem. Phys. Discuss., 5, 9621, 2005.

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