

***Interactive comment on “The response of the terrestrial biosphere to urbanization: land cover conversion, climate, and urban pollution” by K. Trusilova and G. Churkina***

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We are grateful to the reviewers for thoughtful and constructive suggestions and provide answers to the reviewers' comments below.

As suggested by the Reviewer 1 we have included the discussion of the urbanization-induced changes such as thermal stress and precipitation reduction on the regional climate into the chapter "2.2.3. Simulation of Urbanization-Driven Changes. UMET-simulation"

Taking into account the suggestion from Reviewer 1 we have extended the introduction part of this paper where we state that effects of urbanization on vegetation depend on the form of urbanization. We have also added the description of the "typical";

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urban canopy assumption into the chapter "2.2.3. Simulation of Urbanization-Driven Changes. UMET-simulation"; and into the chapter "Results and Discussion. Climate."

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Interactive comment on Biogeosciences Discuss., 5, 2445, 2008.

**BGD**

5, S1614–S1615, 2008

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