

# ***Interactive comment on “Carbon monoxide air-pollution on sub-city scales and along arterial roads detected by the Tropospheric Monitoring Instrument” by Tobias Borsdorff et al.***

## **Anonymous Referee #1**

Received and published: 28 December 2018

### General comments

The manuscript presents an excellent example of an application of the use of TROPOMI data for air pollution in cities as well as in roads. A comparison between TROPOMI CO observations and the WRF model using the EDGAR v4.2 emission inventory is explored and differences at large scales and “city area” scales are evaluated, finding large differences at smaller (city area) scales.

### Specific comments

On Page 5, line 5, the authors address the importance of a “more realistic spatial distribution of pollution sources within the hot spot”. Could the authors elaborate some

more about this issue?

As this study is a highly valuable example for air pollution studies, the authors could provide further considerations while conducting a similar experiment in other cities, areas or countries and at different scales (city and sub-city).

Technical corrections

Page 5, line 33: difference Page 6, line 20: remove column

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Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2018-1185>, 2018.

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