SUPPLEMENTARY MATERIAL

Spatially Highly Resolved and Activity Based Emission Inventory for the Metropolitan Area of Istanbul, Turkey

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Fig. S1. Population distribution map of the city.

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Fig. S2. Diurnal variation of total industrial NOx emissions in Istanbul.

Fig. S3. Distributions of total annual NOx emissions in Istanbul for the year of 2007.
Fig. S4. Distributions of total annual CO emissions in Istanbul for the year of 2007.

Fig. S5. Distributions of total annual NMVOC emissions in Istanbul for the year of 2007.
Fig. S6. Distributions of total annual PM$_{10}$ emissions in Istanbul for the year of 2007.

Fig. S7. Dominant pollutant source categories in each grid for NO$_x$. 
Fig. S8. Dominant pollutant source categories in each grid for CO.

Fig. S9. Dominant pollutant source categories in each grid for VOC.