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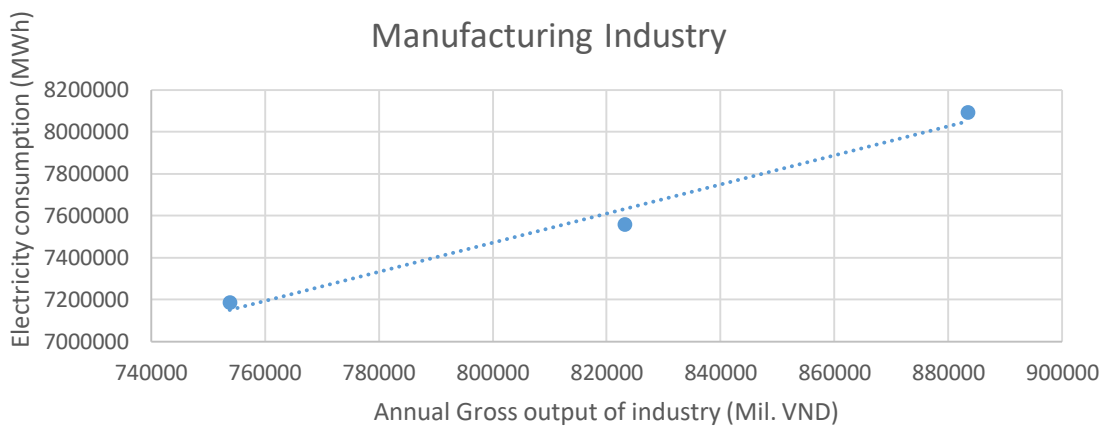
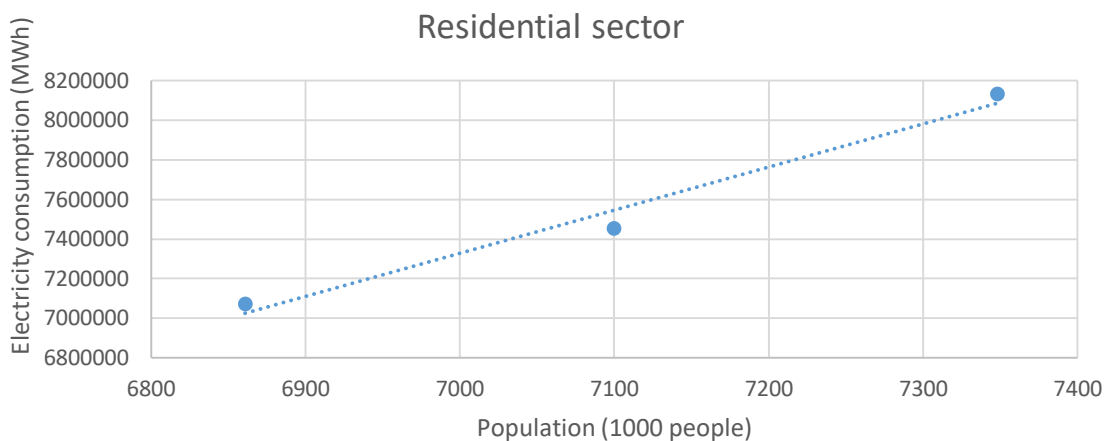
Supplement of

Technical note: Emission mapping of key sectors in Ho Chi Minh City, Vietnam, using satellite-derived urban land use data

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5 **Figure S1. Correlations between electricity consumptions of Residential sector with Annual population in HCM and electricity consumptions of Manufacturing industry sector with Annual gross output of industry in HCM.**

Table S1. Description about REAS v2.1 inventory (J. Kurokawa et al., 2013)

Spatial resolution	0.25 deg
Temporal resolution	Monthly
Time domain	2000-2008
Species	SO ₂ , NO _x , CO, NMVOC, PM ₁₀ , PM _{2.5} , BC, OC, NH ₃ , CH ₄ , N ₂ O, and CO ₂
Coverage	East, Southeast, South, and Central Asia. Asian part of Russia (Far East, Eastern and Western Siberia, and Ural)

Sectors	Stationary combustion and industrial processes, road transport, Agricultural activities, Other sources. Power plant, industry, road transport, aviation, International navigation, other transport, domestic and other
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Table S2. Data sources used in REAS2.1 for Transportation, Industry and Domestic sectors (J. Kurokawa et al, 2013)

Sector	Transportation	Industry and Domestic
Activity data	Vehicle numbers, annual distance traveled. Vehicle numbers were from the World Road Statistics (IRF, 2006–2010) and then subdivided into vehicle types by using the national and sub-regional statistics and database of the GAINS model	Fuel consumption or amount of industrial product (for industrial process emissions). Energy consumption data for each fuel type including biofuels and sector categories were taken from the International Energy Agency (IEA) Energy Balances database. Activity data for sources other than energy came from a variety of international, national, and regional statistics and studies
Spatial allocation	Road network	Spatial distribution of rural, urban, and total populations.