

Supporting Information for

**Importance of Ammonia Gas-Particle Conversion Ratio in Haze Formation in  
the Rural Agricultural Environment**

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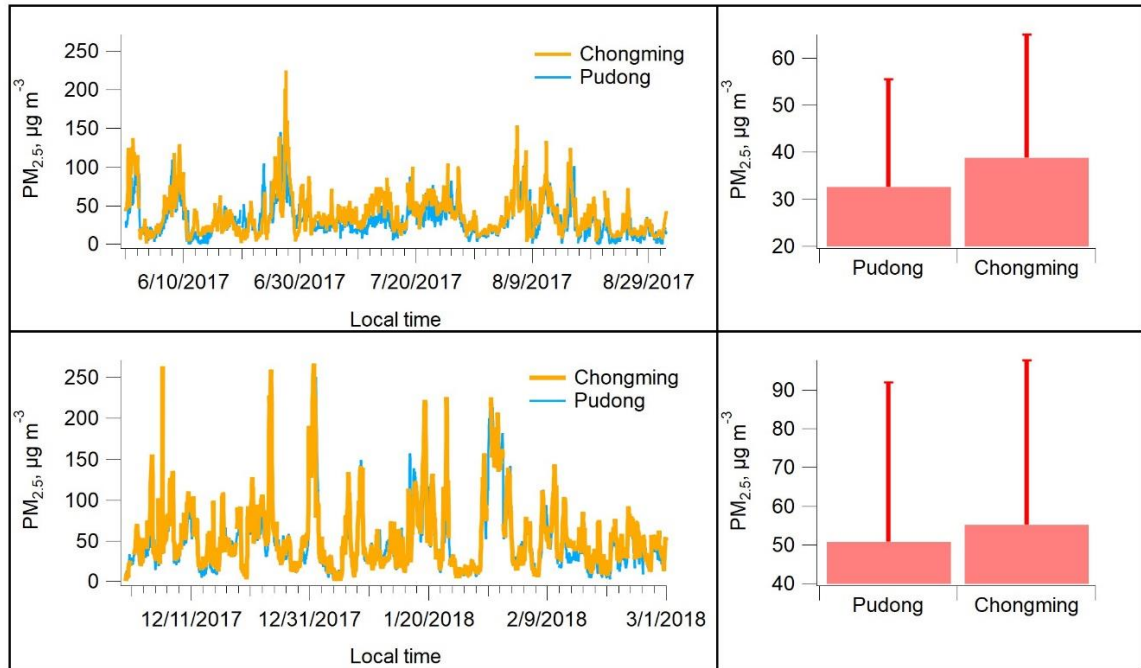
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**Figure S1:** PM<sub>2.5</sub> at Chongming (rural) and Pudong (urban) in summer (top) and winter (bottom).

**Table S1:** District level emission (unit: Mg/year) of NH<sub>3</sub>, SO<sub>2</sub>, and NO<sub>x</sub> in Shanghai based on the MEIC emission inventory (MEIC, [www.meicmodel.org](http://www.meicmodel.org))

NAME	PYNAME	Agriculture_NH <sub>3</sub>	Agriculture_NO <sub>x</sub>	Agriculture_SO <sub>2</sub>	ALL_NH <sub>3</sub>	ALL_NO <sub>x</sub>	ALL_SO <sub>2</sub>
Baoshan	bsq	371.7	0	0	679.7	33924.2	15352.2
Changning	cnq	59.4	0	0	113.4	4850.9	2298.9
<b>Chongming</b>	<b>cmx</b>	<b>3057.5</b>	<b>0</b>	<b>0</b>	<b>3242.6</b>	<b>18543</b>	<b>7699</b>
Fengxian	fxq	2620.7	0	0	2747.9	11981.3	5646.3
Hongkou	hkq	28.5	0	0	51.9	2579.7	1176.4
Huangpu	hpq	35.3	0	0	64.5	2629	1247.5
Jiading	jdq	1183.5	0	0	1616.3	36659.2	15866.7
Jinshan	jsq	2343.8	0	0	2460.4	11107.4	5107.1
Jingan	jaq	47.7	0	0	89.7	4282	1960.2
Putuo	ptq	83.1	0	0	149.5	6590.2	3025.4
Pudong	pdxq	4184.5	0	0	4770.5	66681.2	33267.8
Qingpu	qpq	1578.5	0	0	1802.9	17867	8333.1
Songjiang	sjq	1810.4	0	0	2130.5	28012.5	13287.7
Xuhui	xhq	88.1	0	0	168.1	7193	3408.9
Yangpu	ypq	77.3	0	0	117.8	6134.7	3091.3
Minhang	mhq	851.6	0	0	1317.2	42765.9	20401
Total	sh	18421.6	0	0	21522.9	301801.2	141169.5