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# *Corrigendum to* "Agricultural ammonia emissions in China: reconciling bottom-up and top-down estimates" published in Atmos. Chem. Phys., 18, 339–355, 2018

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An error occurred when calculating the ammonia emissions in Fig. 1 (p. 342) and Table 1 (p. 341). The correct versions of Fig. 1 and Table 1 are provided below.

In the text (p. 341) it states that "$NH_3$ emissions from livestock waste range from 2.88 to 8.82 Tg $a^{-1}$"; this should be corrected so that the emissions "range from 2.93 to 8.82 Tg $a^{-1}$". The values calculated for "$NH_3$ from humans … another source with considerable differences (0.12–1.81 Tg $a^{-1}$)" should be corrected to "(0.12–1.83 Tg $a^{-1}$)".

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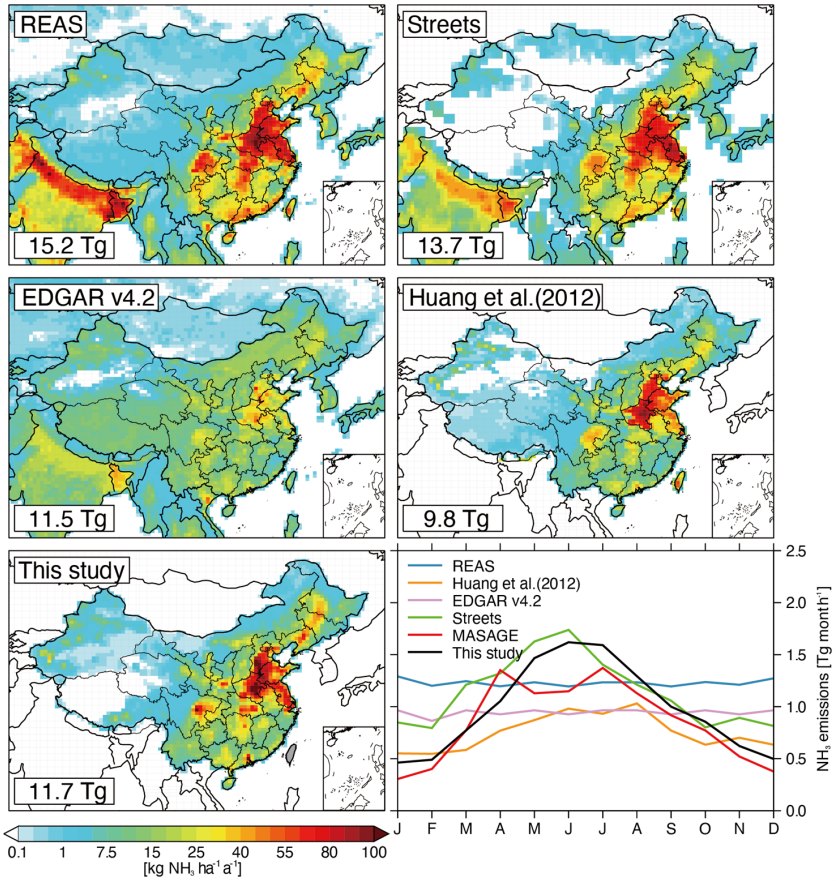


**Figure 1.** Spatial and seasonal variations of anthropogenic $NH_3$ emissions in China from different bottom-up inventories. Numbers inset are annual totals of Chinese anthropogenic $NH_3$ emissions. See Table 1 for references of the emission inventories.

**Table 1.** Bottom-up estimates of ammonia anthropogenic emissions in China[1].

| References | Base year | Fertilizer application | Livestock waste | Human | Others[2] | Total |
|---|---|---|---|---|---|---|
| Yan et al. (2003) | 1995 | 4.32 | 2.48[3] | 0.21 | | 7.01 |
| Streets et al. (2003) | 2000 | 6.85 | 5.22 | 1.63 | | 13.7 |
| Li and Li (2012) | 2004 | 1.82 | 8.30 | 1.67 | 0.21 | 12.0 |
| Wang et al. (2009) | 2005 | 4.3 | 8.82 | 0.26 | | 13.38 |
| Zhang et al. (2011) | 2005 | 4.31 | | | | |
| Dong et al. (2010) | 2006 | 8.68 | 6.61 | 0.65 | 0.14 | 16.08 |
| Huang et al. (2012) | 2006 | 3.2 | 5.3 | 0.2 | 1.1 | 9.8 |
| Cao et al. (2010) | 2007 | 3.62 | 9.58 | | 2.8 | 16.0 |
| EDGAR | 2008 | 8.2 | 3.2 | 0.1 | | 11.5 |
| Xu et al. (2016) | 2008 | 3.3 | 3.8[3] | 0.7 | 0.6 | 8.4 |
| Paulot et al. (2014) (MASAGE) | 2008 | 3.6 | 5.8 | 0.8 | | 10.2 |
| Kurokawa et al. (2013) (REAS v2) | 2008 | 9.58 | 2.93 | 1.83 | 0.86 | 15.2 |
| Zhao et al. (2013) | 2010 | 9.82 | 7.36 | 1.12 | | 18.3 |
| Fu et al. (2015) | 2011 | 3 | | | | |
| Kang et al. (2016) | 2012 | 2.8 | 4.99 | 0.12 | 1.71 | 9.62 |
| This study | 2008 | 5.05 | 5.31 | 1.30[4] | | 11.7 |

[1] Emission totals in units of Tg $NH_3$ $a^{-1}$. [2] Others include sources from transportation, industry, waste disposal, and agricultural burning. [3] Only considering $NH_3$ emission from livestock manure spreading to cropland. [4] Emission estimates adopted from Huang et al. (2012).