

Supplement to
Effect of changing NO_x lifetime on the seasonality and long-term trends
of satellite-observed tropospheric NO₂ columns over China

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MEIC NO_x emissions trends over China

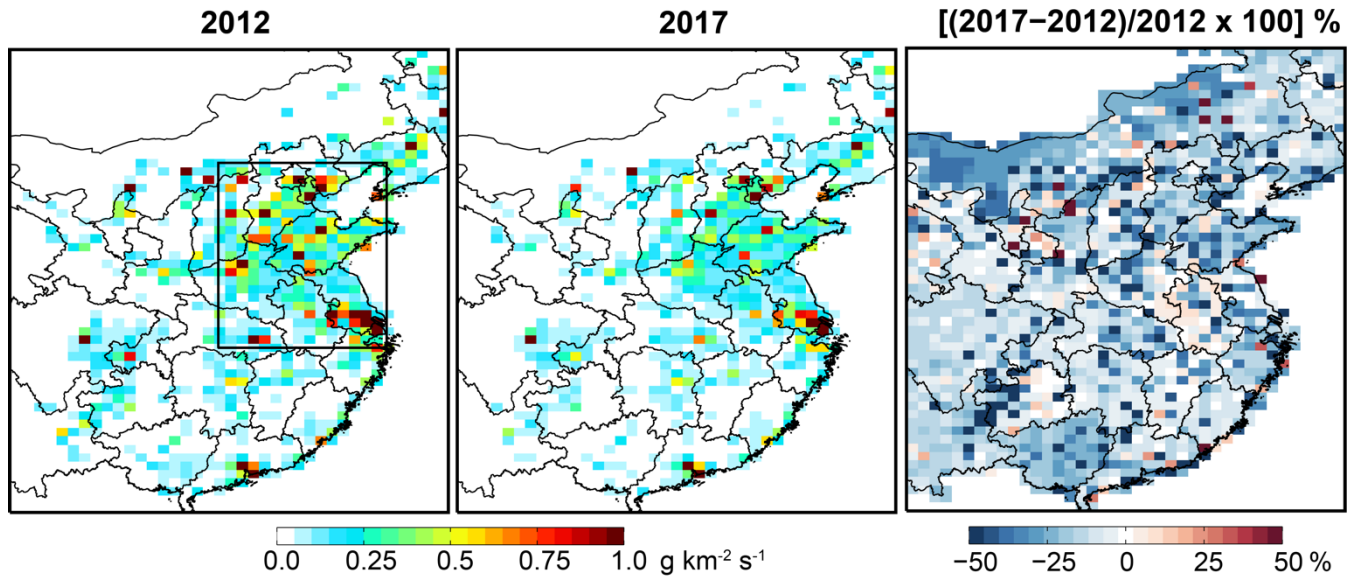


Figure S1: Trends in anthropogenic NO_x emissions over China. Left panels show the MEIC NO_x emissions for 2012 and 2017 and the right panels show their percentage change. The rectangle in the left panel delineates central-eastern China as defined here.

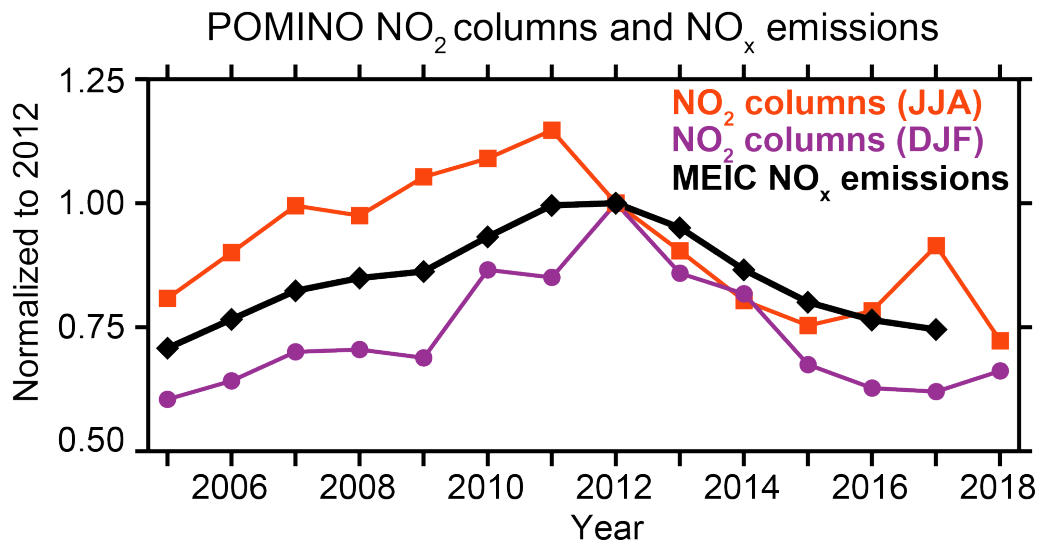


Figure S3: Trends in POMINO NO₂ columns over central-eastern China. The figure shows the trends in the POMINO tropospheric NO₂ columns (Liu et al., 2019) and the MEIC NO_x emissions (Zheng et al., 2018) over central-eastern China (region delimited in Fig. S1). Values are 3-month means for June, July, and August (JJA) and December, January, and February (DJF) normalized to 2012 (JJA) and 2011/12 (DJF).