

## ***Interactive comment on “Contributions of Trans-boundary Transport to the Summertime Air Quality in Beijing, China” by Jiarui Wu et al.***

### **Anonymous Referee #1**

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The authors employed the WRF-CHEM model to assess the contributions of trans-boundary transport to the air quality in Beijing during a persistent air pollution episode from 5 to 14 July 2015 in Beijing-Tianjin-Hebei (BTH), China. They showed that the WRF-CHEM model reproduced well the temporal variations of aerosol species compared to measurements in Beijing. The authors indicated a large contribution from the regional transport and suggested that the cooperation with neighboring provinces to mitigate pollutant emissions is a key for Beijing to improve air quality. This is a good work to investigate the air pollution problem in China, and the paper was reasonably well written. As such, it can be published in ACPD.

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Discussion paper

