

Earth Syst. Sci. Data Discuss., referee comment RC2
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Comment on **essd-2022-205**

Anonymous Referee #2

Referee comment on "Impacts of the proposal of the CNG2020 strategy on aircraft emissions of China-Foreign routes" by Qiang Cui et al., Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2022-205-RC2>, 2022

This paper a very interesting study applying the Improved BFFM2-FOA-FPM method to calculate the emissions of six pollutants (CO₂, CO, HC, NO_x, SO₂, and PM_{2.5}) between Chinese and foreign cities from 2014 to 2019. It contributes to the literature by filliwng the gap in the effect of aviation on the environment. The paper is written well and the discuss is highly valid. The following minor comments can be considered to improve the paper:

- Please further highlight the significance of this paper in the Abstract.

- All figures can be further improved to be more precise.

- Authors state the data came from VariFlight and did not mention the exact data types. A more detailed introduction of the data should be added.