



EGUsphere, referee comment RC2  
<https://doi.org/10.5194/egusphere-2022-117-RC2>, 2022  
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## **Comment on egusphere-2022-117**

Vasil Simeonov (Referee)

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Referee comment on "A model for simultaneous evaluation of NO<sub>2</sub>, O<sub>3</sub>, and PM<sub>10</sub> pollution in urban and rural areas: handling incomplete data sets with multivariate curve resolution analysis" by Eva Gorrochategui et al., EGU sphere,  
<https://doi.org/10.5194/egusphere-2022-117-RC2>, 2022

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The present study proves convincingly the advantage of the chemometric technique multivariate curve resolution - alternating least squares. The reasons for such an estimation could be summarized as follows:

1. Reliable options for apportionment of pollution sources
2. Dealing with four-way constructed data sets
3. Elimination of missing data

The study is performed on a very high theoretical level and, additionally, delivers very useful practical information. The style is very sound, the conclusions - important.

I recommend acceptance in its present form.