Geoscientific
Model Development
Discussions

Interactive comment on "Ensemble Forecasts of Air Quality in Eastern China – Part 2. Evaluation of the MarcoPolo-Panda Prediction System, Version 1" *by* Anna Katinka Petersen et al.

Anonymous Referee #2

Received and published: 10 December 2018

This paper is the second of the two papers that describes a multi-model ensemble air quality forecasting system developed by a consortium of European and Chinese scientists under two EU funded projects Marcopolo and PANDA. This paper presents a detailed evaluation of the forecasting system for just over an year. The analysis is comprehensive and the results are presented very well. The authors clearly demonstrate the value of ensemble forecasts and unsurprisingly shows that ensemble forecast has more skill compared to individual models. I recommend publication of the paper after following minor revisions.

Figure 5: Suggest adding more labels in BIAS colorbar and specifying unite for BIAS

and RMSE.

Line 399: change that to than

Lines 430-437: Are these criteria adopted in the operational system?

Line 491: Change indexes to indices.

Interactive comment on Geosci. Model Dev. Discuss., https://doi.org/10.5194/gmd-2018-234, 2018.