

Interactive comment on “E pluribus unum: ensemble air quality predictions” by S. Galmarini et al.

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The paper presents a new approach for multi-model ensembles that can be considered as a kind of learning or expert system. In principle the idea for building such systems lies in training the system for some (maybe long) period in order to make prognosis for the following days. This process should be continuously repeated to improve forecast. The main question is how to train the system - obviously a reliable measurement datasets are needed. The techniques can be very different: neural networks, genetic algorithms or various statistical treatment. The authors proposed usage of Kolomogorov-Zubrenko filter originated from studying turbulence in the Pacific Ocean. This choice can be good taking into account that the KZ filter behaves well in case of missing or sparse data. Of course analysis with more data is needed in order

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to make stronger conclusions of the method presented. The paper would be easier for reading if deeper explanations of KZ-filter were included.

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