

Interactive
Comment

Interactive comment on “Operational, regional-scale, chemical weather forecasting models in Europe” by J. Kukkonen et al.

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Dear Dr. Jorba,

Thank you for your valuable comments regarding the CALIOPE air quality forecasting system. We would like to suggest to add some discussion about the CALIOPE system to section 2 of the manuscript, based on the information and references that you have mentioned, including of course the most important references to your work. We hope that this would be considered to be a sufficient revision.

There are currently tens, possibly more than a hundred, of CWFIS's on a local, regional and continental scale in Europe and worldwide. In the section '1.2 Aims and scope of this study' we state the background and basic approach of this article: "Given the huge

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variety of existing modelling systems and options, we must limit the scope of this article. Specifically, we select 18 operational CWF models on regional and continental scales (distance scales of approximately 10 – 6000 km) in Europe for more detailed analysis. These models are among the most widely used in western European countries, as well as in eastern and central-eastern European countries. However, this collection of models is by no means exhaustive.” In other words, there are important modelling systems that have not been included to this collection of 18 selected operational models.

However, it is not possible to add CALIOPE as a selected model (19th one), and include the relevant data throughout the manuscript and to all the tables. We understood that you also did not suggest that. According to our experience this is a lot of work; all reviews and quality control, and harmonisation of the information would take at least a few months.

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 5985, 2011.

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