

## ***Interactive comment on “Trends of inorganic and organic aerosols and precursor gases in Europe: insights from the EURODELTA multi-model experiment over the 1990–2010 period” by Giancarlo Ciarelli et al.***

**David Ham**

david.ham@imperial.ac.uk

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The code and data availability section in this manuscript fails to comply with GMD requirements for transparency and archiving in a number of ways. These need to be remedied before the manuscript can be accepted.

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### **1 EMEP data**

The documentation cited here is on a wiki server. This is an entirely ephemeral location which could change at any time. It is important that the information required to replicate the data are persistently available. The website pointed to is quite short, so one way to achieve this would be to reformat the content as a short report which could be archived in one of the following ways:

1. As an appendix to the paper.
2. On a preprint server such as arXiv.
3. On a persistent data repository such as <https://zenodo.org>

Care needs to be taken that this information is comprehensive (i.e. everything needed to rerun the experiment has been specified) and that the references to data stored on the THREDDS server are sufficiently precise that the exact data can be retrieved. Ideally this would be by attaching persistent identifiers such as DOIs to the data and referring to these.

The THREDDS server also seems to be inaccessible. Are these really the correct citations?

### **2 Results data**

The results data section just links to a wiki page which is mostly about how to use ssh. No mechanism is provided for identifying the results data. Please ensure that the location of the results data is sufficiently precisely identified that the reader could trace back from the results presented in the paper to the data from which those results were

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computed. Once again, please ensure that this information is in a persistent archived location (in particular not a wiki page or other website) so that there can be some confidence that future readers will be able to access this information.

### **3 Evaluation code**

Providing code on request does not satisfy GMD's requirements for transparency and reproducibility. The reasons for this are given in detail in the new editorial <https://doi.org/10.5194/gmd-12-2215-2019>. Please therefore provide a persistent, public archive of the evaluation code, for example on <https://zenodo.org>.

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Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2019-70>, 2019.