Geoscientific
Model Development
Discussions

Interactive comment on "The UKC2 regional coupled environmental prediction system" *by* Huw W. Lewis et al.

J. C. Hargreaves (Editor)

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In order to compile and run the system described in this paper, access must be gained to the individual models, which must then be compiled according to the information in Appendix C (particularly using the information in the tables in Appendix C). Information to this effect needs to be added to the start of the code availability section, as otherwise readers are likely to get almost as confused as I did while trying to access the code and understand how it is put together.

Table C5 does not seem to be mentioned in the text..?

There is also now a snapshot of the exact code developed for this manuscript available on the MetOffice repository. The existence of this snapshot (or whatever you like to call

it) needs to be mentioned in the paper along with some kind of reference for locating it or requesting access to it. If this paper is accepted for GMD, please include some way of linking the paper and the snapshot (eg. within the snapshot, a file with a reference to the final paper including the DOI for the paper).

It would also be appropriate to make a statement on your approach to collaboration. My impression from the email exchange is that you are rather positive and willing to assist others who wish to use this code (subject to the copyright issues of course), and that you would prefer that they correspond directly with you in order to be successful in correctly compiling and using the code. This is not the same for all model developments - often at GMD, the code is simply made available with the caveat that there will be not assistance offered to a user.

I was not able to gain access to WAVEWATCH. It is not that my access was refused, but that I have heard nothing from them almost a month after the request was made. This is a bit of a problem in the sense that the manuscript suggests that the code is available.

Version control for OASIS-MCT, Rose and FCM need adding to the paper. i.e. unless you can be certain that backward compatibility will be retained, we need to know how to access the versions used here.

There is a namelist in the supplement which I think would be better formatted such that it is ready to use (e.g. as a text file). You can add any kind of file to the supplement. Please liase with Copernicus for the best way to do this (most authors just make a compressed file containing all the files they wish to include).

The reviewers both seem to like the paper and suggest minor revisions. I like it too. In that context it may not be necessary to send the paper back to the reviewers after revision. To best enable this, please provide full and clear responses to all the points raised so that I may be able to make the assessment myself!

C3