

Interactive comment on “Sensitivity studies with the Regional Climate Model COSMO-CLM 5.0 over the CORDEX Central Asia Domain” by Emmanuele Russo et al.

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This manuscript currently has a very short data availability section which simply states that the data is available on request. Under the current GMD editorial policy (<https://doi.org/10.5194/gmd-8-3487-2015>), authors are expected to publish the data on which their manuscript depends, unless this is not possible for reasons such as third party copyright constraints.

In this case, COSMO is a proprietary model so it is not possible to publish the model source. However the authors should explain that COSMO is free for academic use, and point to the site to obtain a licence.

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For a model evaluation paper, the configuration files used to drive the model are also critical and should be publicly archived and referred to if this is legally possible. In addition, it is apparent that a lot of data processing was required in order to obtain the model inputs and analyse the outputs. All of this code should be publicly archived if legally possible so that readers can reproduce the work here, and discover the reasons for any surprising results.

The expected standard is that the code and data section will point to public archives for everything a reader would need to reproduce the results in the paper. Where this is not possible (for example because of third party licence constraints), the reasons should be given explicitly, and every effort made to correctly identify the exact version of all the code and data so that a reader who can obtain the required licences is able to access exactly the right code.

Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2019-22>, 2019.

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