

## ***Interactive comment on “Use an idealized protocol to assess the nesting procedure in regional climate modelling” by Shan Li et al.***

**Shan Li et al.**

shan.li@lmd.jussieu.fr

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In response to the Executive Editor's comments, we plan to do the following modifications:

1. We accept the suggestion for adding a precision in the title:

"Use an idealized protocol to assess the nesting procedure in regional climate modelling: a case study with LMDZ4"

2. We prepared three Supplements which are downloadable from the LMD's web page:

Supplement I: [http://www.lmd.jussieu.fr/~li/LMDZ4\\_compilation.docx](http://www.lmd.jussieu.fr/~li/LMDZ4_compilation.docx)

Supplement II: [http://www.lmd.jussieu.fr/~li/LMDZ4\\_code.tar.gz](http://www.lmd.jussieu.fr/~li/LMDZ4_code.tar.gz)

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Supplement III: [http://www.lmd.jussieu.fr/~li/LMDZ4\\_data.tar.gz](http://www.lmd.jussieu.fr/~li/LMDZ4_data.tar.gz)

The three files will be uploaded into the GMD's server as Supplements.

3. We will add a new paragraph at the end of Section 2 (Model and Experimental design) in order to make the necessary linkage in Main text to the Supplements:

"For the sake of completeness, and to preserve the traceability of our work, Supplement I (or [http://www.lmd.jussieu.fr/~li/LMDZ4\\_compilation.docx](http://www.lmd.jussieu.fr/~li/LMDZ4_compilation.docx)) provides detailed information and guidance to compile the code and to run simulations presented in this work. Supplement II (or [http://www.lmd.jussieu.fr/~li/LMDZ4\\_code.tar.gz](http://www.lmd.jussieu.fr/~li/LMDZ4_code.tar.gz)) provides an archived file containing the code, and Supplement III (or [http://www.lmd.jussieu.fr/~li/LMDZ4\\_data.tar.gz](http://www.lmd.jussieu.fr/~li/LMDZ4_data.tar.gz)) (file size 111 Mb) provides configuration files, boundary conditions and job-launching shell scripts".

4. The Section "code availability" becomes:

"The code used in this study is provided in Supplement II (or [http://www.lmd.jussieu.fr/~li/LMDZ4\\_code.tar.gz](http://www.lmd.jussieu.fr/~li/LMDZ4_code.tar.gz)) under the License CeCILL"

5. The Section "data availability" becomes:

"Configuration files, boundary conditions and job-launching scripts are provided in Supplement III (or [http://www.lmd.jussieu.fr/~li/LMDZ4\\_data.tar.gz](http://www.lmd.jussieu.fr/~li/LMDZ4_data.tar.gz)) under the License CeCILL".

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Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2018-257>, 2018.

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