Response to Topical Editor Comments: Document for GMD-2020-86 by Almudena García-García, Francisco José Cuesta-Valero, Hugo Beltrami, Fidel González-Rouco, Elena García-Bustamante and Joel Finnis

Dear Dr. Garcia-Garcia -- thank you for addressing the reviewer comments. I believe the publications is ready for acceptance subject to some improvements to the code and data availability.

In particular, we would ask that you archive all relevant materials to the ZENODO archive associated with the project so as to maintain a persistent identifier associated with the code. I have checked with the executive editor and he indicates that even the WRF3.9 source code should be placed in the ZENODO archive.

We have updated the ZENODO archive to include the WRFV3.9 code, namelists, tables and the geofiles documents that are required to reproduce the simulations.

This prevents the link from failing in the case of a website reorganization. Similarly they have asked that the climdex code be placed within this archive as well, as cran.r-project.org is a software distribution system rather than a persistent archive.

The new version of the files in the ZENODO server contains the climdex package.

The NARR product is acceptable in its current form since the data is large enough that duplication is a problem. Finally, the CORDEX link is still to a search page. A reader cannot properly identify the correct CORDEX data from this link. In fact, CORDEX provides a recommended citation format here: https://prtal.enes.org/data/data-metadata-service/data-publication/copy_of_data-citation.

We have requested the suggested DOI following the instructions detailed in the provided webpage. However, they can't provide a DOI for the data we are using, because the WDCC archive does not include simulations of the NA-CORDEX. So we keep the reference to Mearns, L.O., et al., 2017 as suggested in the NA-CORDEX webpage (https://na-cordex.org/) and the website where we downloaded the data (https://www.earthsystemgrid.org/search/cordexsearch.html).