Supporting Information for "A global climate model performance atlas for the Southern Hemisphere extratropics based on regional atmospheric circulation patterns"

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Content of the present PDF file:

- Supplementary Figures 1 to 3

In addition to these figures, an **auxiliary data repository** to this work has been created at `https://doi.org/10.6084/m9.figshare.22193443.v1`, see Brands et al. (2023a) in the main article file. A detailed description of the repository can be found in the the **README.txt** file included therein. Among other things, this repository also contains separate pdf files for each map provided in this study. Contact: swen.brands@gmail.com

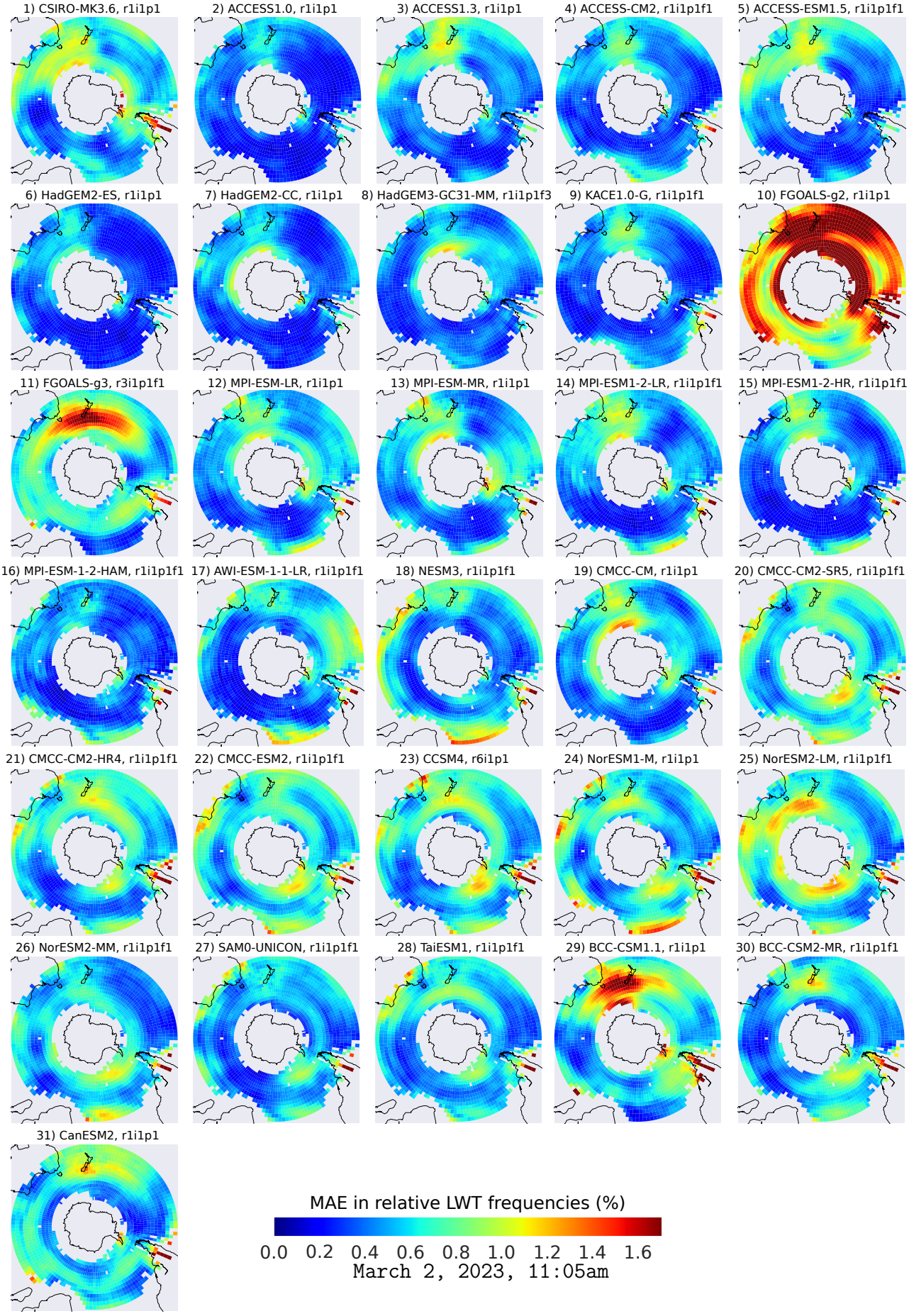

Figure S1. As Figure 1 in the article file, but showing the MAE instead.

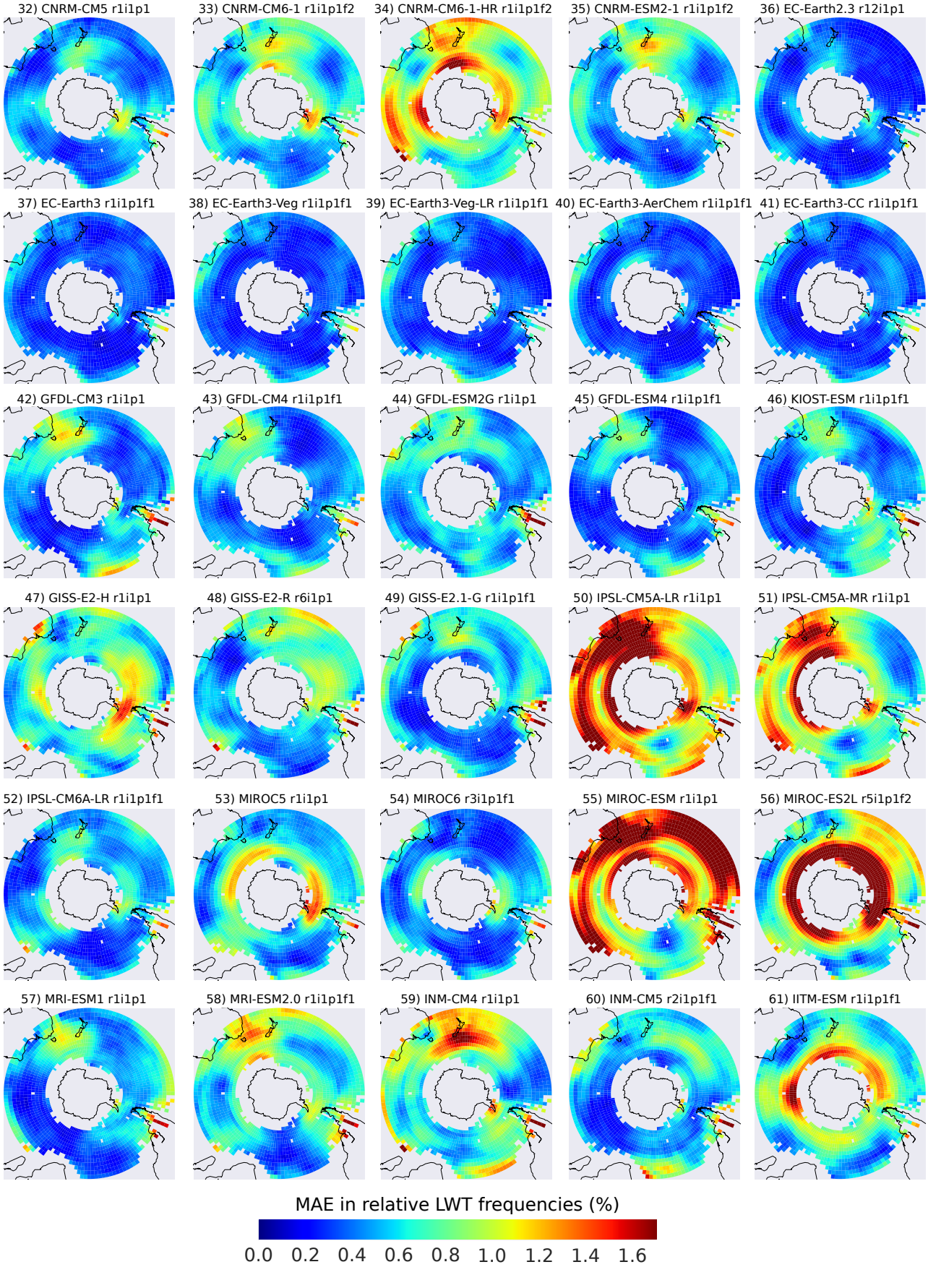

Figure S2. As Figure 2 in the article file, but showing the MAE instead.

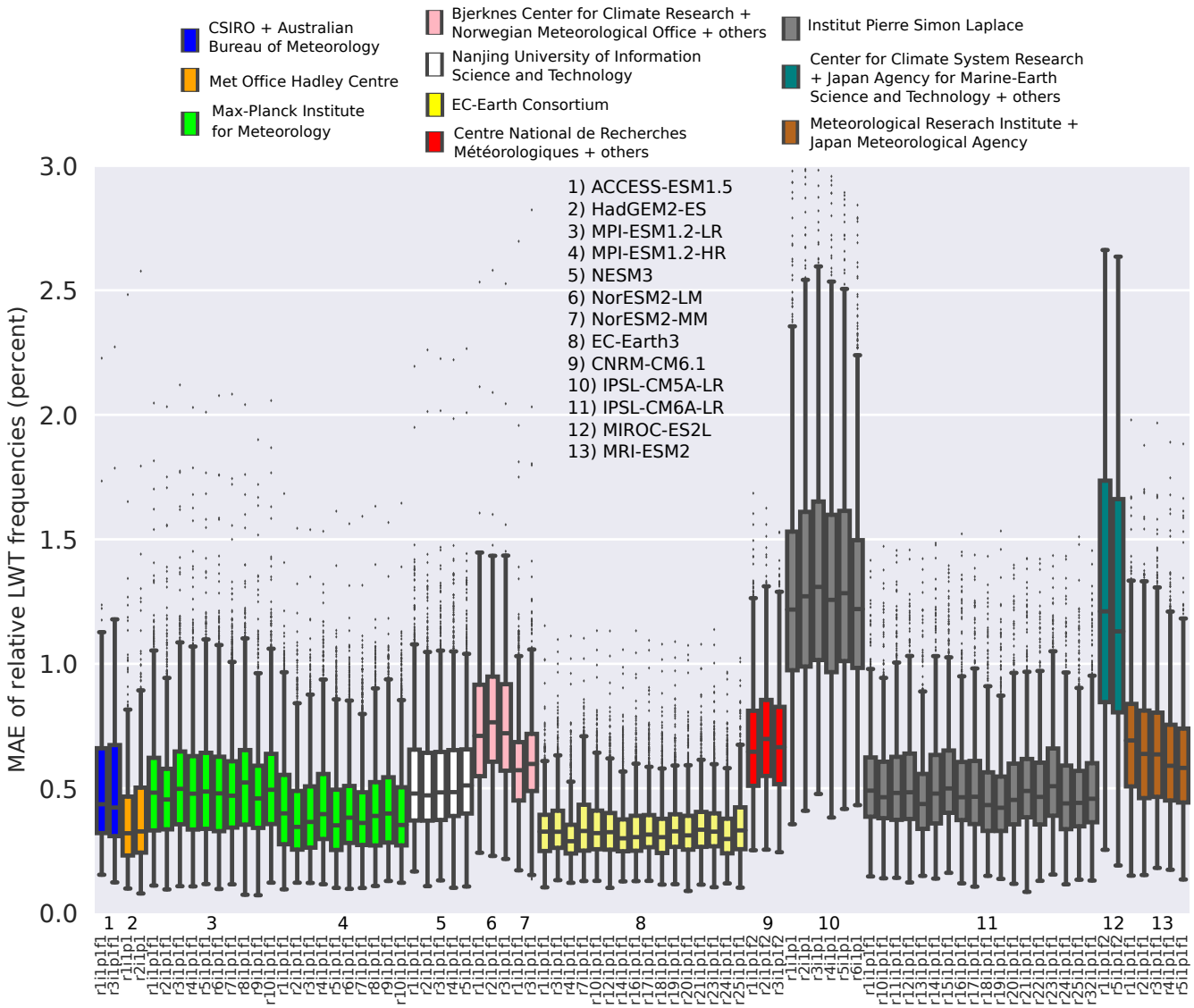

Figure S3. As Figure 3 in the article file, but considering 70 additional runs for a subset of 13 distinct coupled models. The colours referring to the coordinating research institute are identical to Figure 3, except for the *Nanjing University of Information Science and Technology* painted white. Up to 2 ensembles per institute are shown and the acronyms of the individual coupled models are indicated by numbers. The exact run specifications are provided along the x-axis.