



EGUsphere, chief editor comment CEC3
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Reply on AC3

Juan Antonio Añel

Chief editor comment on "Improving trajectory calculations by FLEXPART 10.4+ using single image superresolution" by Rüdiger Brecht et al., EGU sphere,
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Dear authors,

First, thanks for sharing the scripts in Zenodo. However, the main problem persists. I think that you do not quite understand the nature of it. To reproduce your manuscript, currently, readers need to have access to the ERA5 data, and this does not even produce the input files for FlexPart. The ECMWF servers (and their internet addresses) are not permanent, and they are not long-term repositories for the archival of scientific data. They are a temporary service that, at best, works for over a few years. In this case, for example, in this case, until the current ERA5 reanalysis is superseded. Also, the reanalysis files could be modified if, for example, an error is found. Therefore, it should be avoided that to reproduce your manuscript the readers need to access the ERA5 data. Moreover, because they are not the real input data. You have already produced the interpolated input files, and these are the files that you have to share in the new repository. So, unless they are too big for it (e.g. hundreds of GB), please, share your interpolated input files.

Best regards,

Juan A. Añel

Geosci. Model Dev. Executive Editor