

Thank you for your decision and constructive comments on our manuscript. We have carefully considered the suggestion and improve the manuscript.

Response to Editor:

- Thank you for very positive changes! Do we have any idea how long before you can cite a final 'registered' DOI from ScienceDB? ESSD will require a valid final DOI in published version. Flexible on Copernicus publisher end. We can accept now, start typesetting and proof-reading, then add valid DOI at end. Or we can wait for valid DOI then accept. Please advise!

Response:

We really appreciate your careful review work on our article. For your consideration, we feel it is reasonable and necessary to ensure that a valid DOI is available before the article is accepted (as far as conditions permit). Therefore, after receiving your kindly comments, we contacted the ScienceDB to inquire about the expected time to obtain a final 'registered' DOI for our undergoing review dataset, and received very effective feedback quickly. Now, our dataset has obtained a valid final DOI in published version (<https://doi.org/10.57760/sciencedb.07049>). We hope this can meet the requirements to publish in ESSD. Besides, during the time to wait for a response from ScienceDB, we also checked the article and made some minor grammar adjustments and supplements to further improve the quality of the article. These minor changes will be reflected in the ATC (Author's track-changes) file.

Hope these responses are clear enough for your further reviewing and we are prepared to discuss on possible issues if necessary.