

This manuscript introduced a database of isotopes in water. This database is very important because it is better than other existed databases on the aspect of spatial coverage, number of samples and water type. However, because of the importance of this database, we need to think carefully over the quality of data based on enough information. By now, I think the information provided in the manuscript is not enough and some issues should be clarified in more details.

The description of method is not enough.

- How did you check the data contributed by scientists?
- A large number of datasets are available from papers, but they may suffer from a wide range of metadata completeness as you say. How did you solve this problem and integrate the data with different quality together? Or did you remove the data without complete information?
- Digitizing data and reconstructing metadata from figures are required in some cases. What kinds of figure have you reconstructed data from? And how about the software you used and its accuracy? Please clarify.

The database is not displayed sufficiently in the manuscript.

- Only the codes for processing are available (some of the link are not accessible, e.g., the xlsx format files in the 'reports\_example\_files' folder), but the database itself is not accessible for reader. Considering the database is not published yet, at least some small parts of the database could be provided for example, so that we can easily understand what the database looks like and how to use it.
- Some important properties of the database are not displayed.
  - The authors mentioned some of the data are not available, and only public data are permitted downloads. How many are they?
  - Please clarify how many data are from scientists' contribution and peer-reviewed paper.
  - Please display the spatial distribution of different sample types, because it can be quite different according to some existed database.
  - Again, did you remove the data without complete metadata? If not, the data will have different levels of quality. Please show the number of data with different quality. Also, please show the number of the data you constructed from figures.