

1. With the next revision, please re-check the supplement materials whether they include copies of the manuscript figures. If it is so, please remove these duplicates from the supplement archive.

In the updated supplementary material, the authors have removed the duplicated Figure 2. To ensure better correspondence between the subfigures and the original Figure 2 in the manuscript, each subfigure has been renamed with its corresponding identifier, such as “Figure 2(a).jpg”.

## 2. Manuscript revision

The authors have thoroughly reviewed the entire manuscript, including the author information, affiliations, and the main text. An mistake was identified in the description of the GEBCO\_2024 resolution, which was incorrectly stated as 15' × 15' instead of the correct 15" × 15". This mistake has been corrected in both the uploaded .doc and .pdf versions of the manuscript. Please refer to Page 3, line 26 of the revised manuscript.

## 3. Financial support

The authors have added two funding acknowledgments in the updated manuscript, including the project of China Railway Corporation (Grant Nos. 2021-key-14 and 2021-major-08), as well as the joint planning initiative of technology and water conservancy of Jiangxi Province (Grant No. 2022KSG01009). Please refer to the Financial Support section of the revised manuscript.