

## Review of “Numerical analysis of potential contributions of the proposed Huangpu Gate to flood control in Taihu Lake basin”

### **Overall Recommendation: Major Revision**

#### **General Comments:**

This is a second version of the manuscript that was previously reviewed by this reviewer. The authors made some changes to address my “specific comments”. But they did not provide any response to my “general comments”. For example, whether the simulation results are parameter dependent and whether it is possible to assess the uncertainty for the existing results.

In addition, I did not see much improvement of the writing compared to the last submission. There are still a lot of grammar errors/typos and inappropriate wording (enumerated at the end of this review). I STRONGLY encourage the authors to ask a native speaker to professionally proofread the manuscript before submission for next round review.

Based on the above considerations, I recommend the manuscript to be returned to the authors for major revision again to respond my general comments and to further improve the language. Detailed comments follow below:

#### **Specific Comments:**

- (1) Page 6 Line 6: This is not a 4-year period.
- (2) Page 6 Line 8: The authors mentioned that the model was tested for the 1954, 1991 and 1999 flood events, but why only show 1999 in this study?
- (3) Page 10 Line 4: Please be clearer of “The potential contribution”.
- (4) Figure 1(b): Please show station names in the map.
- (5) Figure 3: The x-label should include the year. Please also check other figures.

#### **Technical corrections (Not an Exhaustive List):**

- (1) Page 1 Line 13-14: Change “is dependent on” to “depends on”.

- (2) Page 1 Line 15: Change “is a quite ... connects” to “plays an important role to connect”.
- (3) Page 1 Line 20: Change “The results” to “Results”, change “an effective mean” to “effective”.
- (4) Page 1 Line 27: Change “flows to” to “flows into”.
- (5) Page 1 Line 34: Change “To fight ... of flood” to “Traditional methods for flood”.
- (6) Page 2 Line 1: Change “operating” to “operated”.
- (7) Page 2 Line 6: Please rephrase “empties into”.
- (8) Page 2 Line 34-38: Please rephrase “However, ..., 2002).”
- (9) Page 3 Line 7: What does “amounts to” mean? Please rephrase and check other places.
- (10) Page 3 Line 11: Please rephrase “typified”.
- (11) Page 3 Line 21: Change “suffer” to “suffering”.
- (12) Page 3 Line 24: Change “occur” to “occurring”.
- (13) Page 5 Line 16: Delete “was”.
- (14) Page 5 Line 24: There are two “in”.
- (15) Page 10 Line 23: Change “implementations” to “implementation”.