

## Answer to Editor comments

As the reviewer suggested, "Publish subject to technical corrections", "Presentation quality could be improved, especially conciseness."

### 1. Introduction

It was revised and a more standard paragraphing was applied for conciseness. Nevertheless, the text was mostly preserved in accordance with the reviewer's earlier comments to avoid confusion.

### 2. Study Area

A more concise paragraphing was used, especially in the text describing Figure 3.

### 3. Materials and methods

The text, mainly in point 3.2 (data sets), was revised to improve quality, especially the structure related to the results and conclusions, and for conciseness.

### 4. Results

The text was reorganized mainly in the analysis of the flows with low impoundment conditions section (Point 4.2).

Tables 7 and 8 headings were edited for clarity.

### 5. Discussion

The structure of the text was modified by unifying parts that were repeated, achieving greater clarity and a concise text, mainly in the justification of why HRI is adapted to non-permanent rivers compared to other hydrological metrics.

### 6. Conclusions

It was edited for clarity, and a more conventional paragraphing was used.