

7 May 2016
Editor
Hydrology and Earth System Sciences
Copernicus Publications
Bahnhofsallee 1e, 37081 Göttingen, Germany

Dear Editor,

Re: Hydrol. Earth Syst. Sci. Response to Editor's comments

Thank you for your advice on the revised manuscript that I submitted previously to HESS. Based on your advice, I have now amended the title. I also have removed the Section 5.3 and adopted the texts to avoid any reference associated with adaptive water management framework.

Below, I have addressed all three issues and I also adopted all these issues in the revised manuscript.

Yours sincerely,

Giri Kattel

On behalf of co-authors

1) The adaptive water resource framework was only partly left out (fig. 7). It is still in the title and often repeated in the text, even in the title. I agree with Rev#3, if the approach is not sufficiently treated, any reference to it should be removed.

Answer: The title has been amended, and any reference associated with adaptive water resource management framework has been removed from the text (see LINE 1-2, 36-37, 703-745, 749-752, 762-764, 804-807, also highlighted).

2) The paper shows how human activities have altered the hydrological regimes and the magnitude of flood events. This paper focuses on how reduced flood pulses have an impact on the wetland ecology. Yet, it could be worth mentioning whether such an impact has led to a reduction of flood losses for people and local economies. Much research has been done recently (e.g. socio-hydrology) in this trade-off between the ecological benefits of hydrological variability and rotationally negative impacts of hydrological extremes.

Answer: Thank you for your suggestion. The interplay between society and hydrology is an important area of study, and this alone requires a comprehensive discussion, and is impossible to describe in detail here. However, the dynamics of socio-hydrology in water resource management has been added in the revised manuscript and discussed briefly wherever is needed as per the advice in introduction and in discussion (see LINES 76-80, 170-171, 503-507, 752-761, 886-868, 1046-1047, also highlighted).

3) Fig. 1 and 2 should be consistent. If there are technical issues, authors might event consider to remove one (or both) of them

Answer: The Fig. 1 and 2 from the previous version have been made consistent and merged as Fig. 1 (A&B) in the revised manuscript.