

# ***Interactive comment on “Evaluating primary productivity, ripple effect and resilience of fluvial ecosystems: a new approach to assessing environmental flow requirement” by Yui Shinozaki and Naoki Shirakawa***

**Yui Shinozaki and Naoki Shirakawa**

s1630197@u.tsukuba.ac.jp

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We thank the reviewer for his/her fruitful suggestions. We agree with the reviewer's recommendation that some case studies should be added to validate the indices. According to this, we will add the description of the model validation, and specify the presupposition of each index, including the reason of which factors have been taken into account and which have not (e.g. nutrients and chemicals). We also appreciate the reviewer's providing information on related literature. We will carefully read these studies and take them into account to improve our manuscript.

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