

Interactive comment on “Data-driven catchment classification: application to the PUB problem” by M. Di Prinzio et al.

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We thankfully acknowledge Editor Peter Troch’s assessment of our study.

We will revise the manuscript according to his suggestions. In particular, we will improve the readability of Figure 6 and we will address the main comment of Reviewer #2 more accurately. The presentation of the reference classification (SOM Y) will be described in more detail. Also, its classes will be interpreted and discussed on the basis of the physiographic and climatic characteristics of the sets of catchments that form them and in the light of the affinities with the alternative classifications presented in our study. Our only concern is relative to the degree of subjectivity that may characterise such a task, performed over a national dataset in a country with a remarkable hydrological variability.

I wish to take this opportunity on behalf of my co-authors to thankfully acknowledge once again Reviewers and Handling Editor for their very useful reviews and comments, which will definitely help us in improving the clarity and soundness of our manuscript.

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