

Interactive comment on “Pattern, process, and function in landscape ecology and catchment hydrology – how can quantitative landscape ecology support predictions in ungauged basins (PUB)?” by B. Schröder

Anonymous Referee #3

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The paper investigates possibilities of exchange of methodological approaches between landscape ecology as well as catchment hydrology for tackling the core question of the PUB initiative. The author identifies common concepts such as analysis of pattern-process interrelationships.

The paper features a comprehensive summary of references of recent studies. This is of specific value as it clarifies the possible benefit from a closer cooperation between the disciplines of landscape ecology and hydrology on PUB. And this goes beyond what has been published so far in the field of eco-hydrology.

What I think weakens the paper are the examples. There are either very specific (Example 3.1), lack of a direct feedback between ecological and hydrological processes (again Example 1) or are presented in a more or less review style without summarizing this by a figure or something similar or showing distinct results.

The author should carefully rework section 3 providing more substantial results, including figures of graphs on the different examples. It should be made clear, why these examples are of general interest for the major message of the paper. A meta-analysis of the results in the cited paper could also be an option.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 3, 1185, 2006.

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Interactive Discussion

Discussion Paper