

Interactive comment on “A 50-year analysis of hydrological trends and processes in a Mediterranean catchment” by Nathalie Folton et al.

Anonymous Referee #2

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This paper represents a good example of a comprehensive trend analysis based on a highly gauged mediterranean basins. The analytical tools used for the analysis are widely recognized standards and results reflect observations made in many other sites. Nevertheless the investigation is, in my opinion, worth of publication. I have only a few suggestions for the authors in order to provide a more clear presentation.

1. More details could be given with regards to procedures used to evaluate the BFI. The authors only mention related papers but, since there is a large number of methods and techniques for filtering the streamflow data, I believe that this topic may deserve a sub-section.

2. More details could given also to the interpretation of trend analyses on SPI and SSI. Being these basically two standardized quantities, their trend should involve changes

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in the second order statistics of variables which are seldom investigated.

3. The conclusion section is too loose. The authors should here reinforce their statements and beliefs on cause-effect dynamics going on at the hydrological level.

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