

## ***Interactive comment on “Impact of the dry day definition on Mediterranean extreme dry spells analysis” by Pauline Rivoire et al.***

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Dear Authors,

This paper is very interesting. It gives a real added value in dry spells perspectives.

For me methods are ok and results are robust enough. I'm not fully familiar with all the different concepts of evapotranspiration and I guess that it could be the case of other readers of the journal you chose for publication. That's why I have some questioning that maybe could improve the universality of the paper. As the evapotranspiration is the central point, and when I read the paper, I have some wondering that maybe could directly discuss in your paper: . Why using ET0 instead of PET? Or could you explain more what is ET0? And what is the added value of using ET0 instead of PET? . I well

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understand that it's mainly in summer that evapotranspiration become crucial in term of dry spells definition but precisely, in summer in the Mediterranean area the vegetation is really weak? So why using ET0 that is based on a homogeneous and quite dense vegetal cover?

To summarize, the paper is really nice but maybe adding some extra informations about ET0 and why ET0 could improve it somehow.

Albin Ullmann

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