

Interactive comment on “Stratified analysis of satellite imagery of SW Europe during summer 2003: the differential response of vegetation classes to increased water deficit” by A. Lobo and P. Maisongrande

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I thank the authors for their response to my initial review. I believe their proposed modifications make substantial improvements in the manuscript. I also agree with the authors that some of the points raised in my initial review cannot be fully considered within the scope of the current manuscript. My intention was not to imply that these points should be fully addressed, but only to encourage the authors to consider broadening their discussion along the avenues I described. Therefore, I greatly appreciate their considered discussion of these points in their reply to my comments, and I hope that such topics will be included in their final manuscript. The detection of differential

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life-form specific phenological NDVI responses within a variable climate is an exciting area of remote sensing research and holds great promise for understanding the interacting time-scales through which vegetation and climate co-vary. In this light, I view the authors' current study as a sort of "pulse response" of the various vegetation types to an extensive and extreme drought. What remains is to understand how these pulse responses are situated within a broader inter-annual variability of vegetation and climate. However, as the authors mention in their reply, it is rather exciting that a single-year response can be sufficient to drive substantial NDVI variation even within the forest communities within their study area. Again, I thank the authors for their attention to my comments, and I welcome further contributions to our conversation.

Interactive comment on Hydrology and Earth System Sciences Discussions, 2, 2025, 2005.

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