

Comments by the reviewer #####

I have read the revision of this manuscript and find that is much improved over the previous version. I would like to thanks the authors for the answers and details provided to my comments.

We strongly appreciate the positive comment on the manuscript by the reviewer.

However I still would like to have additional details about the comment 4 ("These pixels were defined after an exploratory analysis in which we tested different thresholds. In specific, we excluded those pixels, which exhibited a decrease in the annual NDVI higher than 0.05 units or an increase higher than 0.15 units between 1981 and 2015. The spatial distribution of these pixels (not shown here) concurs well with the areas identified in earlier studies over Spain in which it was an abrupt modification of the land cover type (e.g. creation of new irrigated lands)'), namely related with the explanatory analysis that was made that helped to defined the thresholds 0.05 and 0.15 units. They are only related with irrigated areas? And the decrease of 0.05?

We have rewritten the sentence, including land cover change processes different to the irrigation:

"The spatial distribution of these pixels (not shown here) concurs well with the areas identified in earlier studies over Spain in which it was an abrupt modification of the land cover type (creation of new irrigated lands, urban expansion, deforestation, etc.)"

I would be glad to give my approval on the publication of this improved version of the manuscript after the above mentioned clarification.

Thanks a lot for the positive assessment.