

Interactive comment on “Assessing the accuracy of remotely-sensed fire datasets across the Southwestern Mediterranean basin” by Luiz Felipe Galizia et al.

Anonymous Referee #2

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This paper presents a comparative assessment analysis of three primary fire datasets across the Southwestern Mediterranean region, including Spain, Portugal, France, and Italy. The paper, its structure, and its analyses have been well designed and presented. The paper was also easy to read. Nevertheless, some minor issues can be addressed to improve the technical and presentation quality of the paper. There are as follows: - I think the motivation and the contribution of the paper still are not well presented. So, I invite the authors to clearly explained the novelty of their research and its applications and advantages for the real-work uses. - In the abstract, the abbreviation AG has been defined for “fire agencies,” but later in a sentence: “Our results show that RS datasets were highly correlated with AG.” It is unclear to the reader what the authors do mean

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here. I would suggest they review these sentences from lines 14 to 17. - The same problem is there again for the sentence 19-20: How RS (Remote Sensing) and AG (fire agencies) can be in agreement! - In the line 128, the authors have mentioned that investigated different fire size thresholds increasing from 1 to 500 ha. It would be interesting for the reader to know how it has been applied to the original dataset from MODIS that does have a spatial resolution of 500 m. - Again, in equation (1) in section 2.3.1, the authors have used AG as mathematical/physical parameters. However, it was merely an abbreviation for Fire Agency. More clarification here would be helpful for the readers. - The quality of some graphics and figures can be increased to show more details, e.g., Fig. 7 & 8 are interesting, but the details are not visible. - I think the figures in the supplementary material can also be added to the main manuscript. They will help the readers to see all the information related to study in the same way. - There some long and complex sentences across the manuscript that do the reading and understanding of the text challenging. As a result, final proofreading would help solve these issues.

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