

## ***Interactive comment on “European summer climate modulated by NAO-related precipitation” by G. Wang et al.***

**Anonymous Referee #2**

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1. Aren't the descriptions/letters for Fig. 1 in the wrong order or position? If so, it took quite a while to realize about it. It made all the reading more difficult. Actually, the description of Fig. 1 does not seem to match their respective references in the text. E.g. Section 3, Subsection 3.1, lines 19 and 20, page 5084: What is referred as Fig. 1d in the text seems to be actually Fig. 1b in the Fig.1 description. Furthermore, apparently Fig. 1 description itself does not match also with the titles of each respective letter, i.e. Fig. 1b would mean Fig. 1c. Of course, the descriptions are not correct, all the parts of the text that refers to this figure are not correct as well. Sorry if the order/positioning is correct and I misunderstood;

2. Often in the text, latitudes are referred (e.g. "50N", line 2, page 5085; "50N", line 27,

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same page and other parts of the text). All the reviewers might know where it is, but it would be more clear just to put a latitude scale at the right corner of each figure in each line and a longitude scale at the bottom of each figure in each column in Figs. 1 and 2;

3. From line 21, section 3.2 page 5087: "Therefore the responses of scPSDI & Tmin/Tmax to precJFM variability appear to be driven by the same climate dynamics, and precJFM is very likely to influence Tmean and Tmax via soil moisture." As I understood, this statement does not exclude the possibility of another mechanism influence both, JJA Tmax/Tmean and soil moisture index in southern Europe, right? From this, although it's stated in line 1, page 5084 that "the CMT technique detects causality" how can exactly, if possible, such a technique shows there is causality?;

4. Qian et al. (2003) is cited in Section 3, subsection 3.3, line 10 page 5088, and Fig4. from this paper showed significant correlations mostly for the UK and rather weak correlations for the "Mediterranean" Europe, which is not consistent with the results presented in this manuscript. Is it related to the applied technique?;

5. Does the signal persist throughout the semester, i.e. moving from JFM towards JJA? How can we know that land-atmosphere feedbacks are responsible for persisting the signal until the Summer season?

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