

***Interactive comment on* “Coupling a land surface model with a crop growth model to improve ET flux estimations in the Upper Ganges basin, India” by G. M. Tsarouchi et al.**

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The paper is good in general and improves ET flux estimation in the Upper Ganges basin. The explanations are clear. There are sufficient graphs. The language is fluent.

The technical corrections I can suggest are:

1. For the figure captions it would be easier for future referencing to use a), b), c)... rather than right side, left side, top, bottom... (Figs. 1, 4, 5, 6, 7, 8, 10, 11)
2. Figure captions should not contain discussions and judgement statements. As an example in Fig. 7 caption, please keep: “Comparison of the mean annual ET within

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our study area, as derived from JULESbase, JULES-Info and MODIS.” and please delete “JULES-base is constantly overestimating the mean annual ET when compared to MODIS. JULES-Info is matching better the mean annual ET with the MODIS product.” Please do the same for figs. 8 and 9.

3. Standard SI unit symbols should be used: Please change ET unit symbol from mm m⁻¹ to mm month⁻¹ to avoid confusion between meter and month. (P6844 lines:22,24,25,27, P6858 line:17, figs: 5,6,8. . .)

4. Please change “den Hoof” to “Van den Hoof” in the text and the reference (P6846 line:28, P6850 line:2, P6852 line:9, P6853 line:1, P6856 lines: 5 and 7, P6858 line: 23, P6863 lines:15 and 18).

5. About Fig. 2, it would be interesting to see how the land cover map changes throughout the years.

6. On page 6844 line 10, JULES version number could be mentioned.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 11, 6843, 2014.

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