

Interactive comment on “How to predict hydrological effects of local land use change: how the vegetation parameterisation for short rotation coppices influences model results” by F. Richter et al.

Anonymous Referee #2

Received and published: 10 February 2015

General Comments The paper titled “How to predict hydrological effects of local land use change: how the vegetation parameterisation for short rotation coppices influences model results” by F. Richter et al. deals with the influences of three different parameters on the results of hydrological models. Specifically authors implemented WaSim hydrological model for their simulations. The paper does not have problems in the structure and English is good. Nevertheless some improvements are needed in the title and in the statement of the aim. The authors refer to Land Use Change with the intention of underlying the importance of their results, but there is not an evaluation of

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the change, quantifying it for example. But this is not a criticism of the paper itself but it is just a suggestion to help readers in the comprehension of the aim and consequently of the results. A general improvement has to be given to materials section, improving the description of which data authors have used for their study (the use of data from another sites or species). Authors will find more explanations in the following specific comments. **Specific Comments** Abstract I suggest a general revision of the text, the aim has to be clearly stated. Authors declare that they want to test which parameter plays a major role in the general assessment of what? Line 6-10: I suggest a change in this sentence, authors did not apply an hydrological model to assess land use change, as a matter of fact there is no comparison with other crop. Introduction Pag 407 Line3 and 5: Please add some references for this statement Line 18: Please state clearly the assessment of what? Pag 408 Line 1 to 28: please be more concise, try to focus more on your research aim this part.; Materials and methods Pag. 410 line 9 Please can you give more explanations about why you can consider these data in your research, I've seen that a better explanations is given in the Discussion section but I think has to be anticipated here. line 9: Please give some references about BEST research project and give an explanation about why you are using data from another site Pag 415: Line 11: Maybe it is better “according to (2), (3), (4) and (5)”. Pag. 416 Line 3 Please introduce the IPG235 (pag 427 line 23) Results Pag 421 Line 7: please revise “2012 – 1014” Pag 422: Line 1-5: this seems more a motivation of your work- Maybe it is has to be moved in the Introduction Pag 425 Line 1-7: please give a better explanation of what you have done. Have you used or not data on so long period? Pag 427 Line 23: This sentence maybe has to be replaced where you mention for the first time IPG235 Figure 1, 2, 4,5 and 6 can you use a better format for x-axis? You can use Jan- Feb ecc. or remove the full stop at the end of the data. Technical corrections No technical corrections are needed

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 12, 405, 2015.