

Interactive comment on “Improving arable land heterogeneity information in available land cover products for land surface modelling using MERIS NDVI data” by F. Zabel et al.

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Dear Referee #2,

Thank you for your detailed comments. As we revised the result and the conclusion sections completely, as can be found in the answer to reviewer #3, we hope that we are able to meet your requirements. We will include a summary of the important results in the conclusion section. Also the abstract will be completed with the indication of the impact and the quality of the results in the revised version of the paper.

All of your minor remarks will be accounted for in the revised version of the paper. We
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thankfully followed your suggestions for the improvements of figures 4 and 7.

Concerning your question on Sect. 2.3 – par. 2 - p. 4150 – line 13-17: The prebuilt classes "arable land" and "pastures" do not exist in PROMET and are compiled at the beginning of the methods section of the paper in order to use these classes for further processing.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 7, 4145, 2010.