

## ***Interactive comment on “Assessing the perturbations of the hydrogeological regime in sloping fens through roads” by Fabien Cochand et al.***

### **Anonymous Referee #2**

Received and published: 27 February 2019

Dear authors,

I appreciate your quick comment and the efforts to include the reviewer suggestions. Based on the comment you gave, I see improvement in the revised manuscript. You nicely address many points raised by me and reviewer #3. However, after reading the other reviewer comments, I have to agree with Referee #3 that you should “dig a bit deeper” and present some novel results beyond the expected result that L-drains impact the strongest.

Thereby, I would like to encourage you to take fully advantage of your broad range of simulation scenarios. They allow to look at different road constructions from multiple

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angles and different (parameter) settings. These results should be thoroughly analyzed and interpreted. In line with the my comments given in the first round of revisions and those of the 3rd Referee, I encourage you to define meaningful quantitative measures which help to provide inside into the system. These measures could be useful to make recommendations for road setup under different local settings. They might also be applied to the specific settings of the field tracer tests you presented to strengthen the link between the field and the numerical study.

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2018-476>, 2018.

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