

## ***Interactive comment on “Simulating long-term past changes in the balance between water demand and availability and assessing their main drivers at the river basin management scale” by J. Fabre et al.***

### **Anonymous Referee #1**

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In the proposed basing scale analysis there is not any reference about groundwater resources and the influence that their management (groundwater stresses) could have on stream flows (stream depletion due to pumpings). I think that the hypothesis assumed by the authors to approach groundwater and stream-aquifer interaction within their simulation should be clearly pointed in the paper (in the method and in the limitations described in the discussion). A paragraph about the different stream-aquifer interaction approaches existing in the literature should also be included within the introduction.

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PD: See the attached file in supplement section for more detailed comments

Please also note the supplement to this comment:

<http://www.hydrol-earth-syst-sci-discuss.net/11/C5333/2014/hessd-11-C5333-2014-supplement.pdf>

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 11, 12315, 2014.

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