

Interactive comment on “Integrating field and numerical modeling methods for applied urban karst hydrogeology” by J. Epting et al.

Anonymous Referee #1

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This is a good paper that presents the procedure applied to model with actual data the short term impact induced by the construction of a river dam on the karst developed in the underlying gypsum-bearing formation. A karst evolution model is satisfactorily integrated in a hydrogeological model that takes into account changes in the river discharge and couples ground water flow and dissolution kinetics. The modelling procedure may be a very useful tool for short term predictions and to take decisions on corrective measures.

Main objections include:

- The title is too generic and does not reflect the content of the paper
- Letters and numbers in the figures are too small

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- Additional suggestions are indicated in the annotated text

Please also note the Supplement to this comment.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 6, 3577, 2009.