

Interactive comment on “Estimating annual effective infiltration coefficient and groundwater recharge for karst aquifers of the southern Apennines” by V. Allocca et al.

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We thank P.Y. Jeannin Referee #4 for his detailed revision. We really appreciate his general and specific comments given in a supplement file, which will help us to improve the manuscript and resolve some misunderstandings regarding terminology and fundamental concepts of the elaborations presented. We accept most of the suggestions and comments intending to explain and discuss them through specific changes within the revised version of the manuscript and responses in the accompanying document. In particular, we intend to improve the manuscript for what concerns the principal issues found by P.Y. Jeannin: validity of the Turc's formula; use of proper terms and

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concepts of karst hydrogeology (karst aquifer, karst system, etc.); uncertainties in the assessment of catchment areas; uncertainty regarding the estimation of the effective rainfall; use of annual rainfall for estimating precipitation at the regional scale.

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