

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 appreciate the constructive and detailed comments given by the Anonymous Referee #1, which will allow us to improve the manuscript by integrating it with a series of missed details and specifications. Among the most important changes to be carried out to the manuscript, we accept the suggestions regarding: clear definition of groundwater recharge; substitution of the term plateau instead of flat areas; introduction of new useful citations about modeling of karst aquifer recharge; details regarding the variability of the recharge areas and physiographic characteristics of studied aquifers; influence of decadal climatic variations on groundwater reserves and the mean annual hydrological

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budget; criteria used to identify homogeneous precipitation subzones; data used for the assessment of groundwater inflows and outflows, toward and outward of karst aquifers; results regarding the distribution of soil texture and land-use across karst aquifers of southern Italy. More detailed evaluations regarding the useful suggestions proposed by the Anonymous Referee #1 will be carried out in the document accompanying the revised version of the manuscript.

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