Hydrology and
Earth System
Sciences
Discussions

Interactive comment on "A stochastic model for drought risk analysis in The Netherlands" *by* Ferdinand L. M. Diermanse et al.

F. Serinaldi

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Dear Ferdinand,

The title of Section 3.4 is "Correlation" and, in the text, you talk about both "copula parameter" and "correlation". My suggestion is to double check to be sure that you always deal with Gauss copula parameter or correlation. If the "resulting correlations of the synthetic time series" are computed from tau (via a rho = sin(tau/2)), ok; otherwise, there can be a problem coming from merging actual correlation of discharge and precipitation deficit with the parameter of the meta-Gaussian dependence structure. In any case, it can be useful better clarify this point. Of course, this is only a suggestion.

All the best

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