

Interactive comment on “Generalized drought assessment in Dongliao river basin based on water resources system” by B. S. Weng et al.

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I would recommend this research paper because it assesses important drought issues from the perspective of water resources systems. The existing drought index contains four main aspects: Meteorological Drought Index, Agricultural Drought Index, Hydrological Drought Index and Socio-economic Drought Index. This study attempts to measure the drought event using the relationship between water resources supply and demand, which is the important highlights of this study.

Meanwhile, in the present study I have two questions to ask for the author.

1. In section 3.1 of the article, the author said the centers of gravity of the GDT of various drought levels in various periods are all distributed in the middle reach of DRB
C2575

(near Erlongshan reservoir). This is not clear – large scale water shortages do not typically occur around large reservoirs, especially in the reservoirs watershed.

2. It is well known that reservoirs are the main engineering measures to regulate the temporal and spatial distribution of water resources. In the study area (Dongliao River Basin), there are 7 reservoirs. In your model, how do you consider the impacts of different reservoir operation rules on the spatial and temporal distribution of drought?

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