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Hydrology and Earth System Sciences
Discussions

Interactive comment on "Comprehensive evaluation of water resources security in the Yellow River basin based on a Fuzzy Multi-Attribute Decision Analysis Approach" *by* K. K. Liu et al.

K. K. Liu et al.

chunhuili@bnu.edu.cn

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We thank the reviewer of our above-referenced manuscript. The following letter gives our responses to the comments.

Point-by-Point Responses to the Reviewer's Comments

Specific comments: 1. According to the security results, it is better to give detailed countermeasures for each province, and tell basin manager to improve what indicator

data. Response: we agree the suggestion and will added the detailed countermeasures for each province according to the assessment results and their evaluation indicator. For example, water resources security evaluation condition is relatively poor in Shanxi, Inner Mongolia and Ningxia province. From Table 10, we can see that the indicator values of water resources stress system are smaller in the three provinces, which means that in stress system, water resources stress is relatively high in the three provinces. Meanwhile, indicators in water resources state and Water Eco-environment state of state system and socio-economic response system are the worse in Shanxi province. So we can reduce the stress indicators, and improve the beneficial indicators for security.

2. The manuscript uses some methods; pls tell us their advantages for the evolution. Response: thanks, we will add the advantages of the main methods in the revised manuscript.

Technical corrections: 1. Pls think about the word use, for example, "index" , "indicator". Response: we will unify them in the manuscript.

Please also note the supplement to this comment:
http://www.hydrol-earth-syst-sci-discuss.net/11/C327/2014/hessd-11-C327-2014-supplement.pdf

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 11, 371, 2014.