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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.

Anonymous Referee #2

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General comments:

Water resource security is important in present and in future which is impacted by human being and climate changes. The Yellow River basin is located in arid, semi-arid, and semi-humid climate zones and it is famous for water shortage and ecological deterioration. Therefore, to evaluate water resources security is necessary.

The manuscript developed the FMADAA method based Fuzzy and MADM method for water security and has some interesting results and proposes some countermeasures

and suggestions for water resources usage in each province in the basin. The research has enough date and reasonable methods. However, here are some unclear points as follows.

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.

2. The manuscript uses some methods; pls tell us their advantages for the evolution.

Technical corrections:

1. Pls think about the word use, for example, “index”, “indicator”.

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

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Interactive Discussion

Discussion Paper