

Interactive comment on “El Niño-Southern Oscillation and water resources in Headwaters Region of the Yellow River: links and potential for forecasting” by A. Lü et al.

Anonymous Referee #1

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General comments:

The paper under review investigated the relationship between ENSO and rainfall and runoff at the Headwaters Region of the Yellow River, by using cross-correlation analyses. This study concludes that ENSO may have potential to be a powerful forecast tool for water resource in the study area. This is an interesting and comprehensive ENSO and water resource impact study. The results are useful in water resource management in the Yellow River region. I recommend the ms to be published after moderate revision.

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Detail Comments:

1. Page 8524, paragraph 2 should be combined into paragraph 3. 2. There is a need to explain the objective 2 more in the result. 3 More discussion should be given to examine the relationship between precipitation and runoff? 4. Page 8529, line 15 should be deleted. 5. Page 8529, line 16 should be moved to introduction section. 6. In the discussion section, more discussions are needed to show the meaning the work. 7. How are the results in the paper compared to other studies mentioned in the ms? 8. Please rewrite the sentence in page 8530, line3. 9. The conclusion includes the discussion, which should be moved to discussion section. 10. The figure captions in Fig.2 and Fig.3 are mixed up?

Other minor comments: There are many syntax and punctuation errors in the paper. Please check the ms carefully and revised them, such as

page 8525, line 13: “are shown” into “show” page 8526, line 14: “indicators” into “indicator” page 8528, line 1: “are” into “is” page 8528, line 5: “achieve” into “achieved”, line 15: “shown” into “showed” page 8531, line 18, “got” into “get”

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 7, 8521, 2010.

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