

Interactive comment on “Analysis of decadal land cover changes and salinization in Urmia Lake Basin using remote sensing techniques” by Yusuf Alizade Govarchin Ghale et al.

Anonymous Referee #1

Received and published: 20 July 2017

1- What are the novelties of paper in compare to these references? Please describe in the paper/ Fathian F, AD Prasad, Z Dehghan, S Eslamian 2015, Influence of land use/land cover change on land surface temperature using RS and GIS techniques, International Journal of Hydrology Science

Fathian F, S Morid, E Kahya 2015 Identification of trends in hydrological and climatic variables in Urmia Lake basin, Iran, Theoretical and Applied Climatology.

2- In section 2, what is the lake area itself, and nor the basin area. Based on my knowledge the lake area is 5000 km². Then how it is said in the abstract that the dried area is 5000 km²? All the lake area is dried? 3- Beneath the formulas 1 and 2, describe

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the parameters uses in them. 4- The flowchart in figure 1 is not clear. Please enlarge the fonts and improve the graphics. 5- In table 2, the population is for the part of each province which falls in the Urmia lake basin area? Or it is the total population? In the first case some part of the Kurdistan province also falls in the lake basin and it should also mentioned. 6- What is the reference for Table 1. 7- The graphics of the figures 3 and 5 has problem in black and white print. 8- The figures 6-7 are provided I a very small sizes and then difficult to understand. 9- Page 11, line 10, the names of ministries should be written by capitals. 10- In conclusion, first line, please revise accordingly: management of water resources in Urmia Lake basin 11- The English of the paper should be polished. 12- In discussion I could not find clearly on the causes/drivers of expanding agriculture around the lake. In addition I do not see any citation from the Urmia Lake Restoration Program. What are their interactive responses to the findings of tis valuable study?

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2017-212>, 2017.

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