

Interactive comment on “Simulating Carbon Sequestration using Cellular Automata and land use assessment; Case of: Karaj City, Iran” by Ali Khatibi et al.

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Received and published: 18 April 2017

1. The extent of the study area is not mentioned. 2. Why that City was chosen is missing 3. Description of the vegetation types and agricultural products is missing 4. Land use maps for the modelling are not described (scale, or basis of classification) 5. It only uses 4 explication variables (distances to roads, distances to rivers, distances to agriculture and soil texture). This model could include population, population density, yields of crops, incomes from crops) in order to understand the land use change process in the area.. 6. the assumption is that at least the roads will be the same in the future and it is not explained. 7. Table 5 does not includes the area in which is distributed that Carbon. The units should be verified and please if they are right reported

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in millions of tons. 8. The validation of the models is poorly explained and it is not possible to see how well the model performed.

Interactive comment on Solid Earth Discuss., doi:10.5194/se-2017-20, 2017.

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