

Interactive comment on “Urbanization susceptibility maps: a dynamic spatial decision support system for sustainable land use” by M. Cerreta and P. De Toro

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We appreciate the RC comments. About General Comments: 1. we replaced “susceptibility” with the lemma “suitability”: many thanks for this important suggestion. 2. Considering indexes and scores adopted, in relation to the following two indicators, we can say that: – ‘Olive grove’ class has a score of 0 because it is related to olive grove with cultural and naturalistic value, that is a typical local production relevant for landscape values; – ‘Tree cultivation and olive grove’ class has a score 1 because it is related to common olive grove, without a particular cultural value; In case of criteria for Natural Park, we adopted the score of 1 for ‘zones in the Park’ because it is related

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to zones where it is possible a low level of urbanization, with works of conservation and valorization (according to the technical implementation rules of the City plan). We provided more information on geodata utilised in the model implementation.

About Specific comments: We considered the different specific suggestions and we modified the manuscript. We inserted Geometric resolution: 25x25meters.

About Technical corrections: we inserted a map with geographical location of the study area; we modified the figures and improved the hierarchical structure, considering the first too. We changed the wrong legend and inserted the DOI to the references.

Interactive comment on Earth Syst. Dynam. Discuss., 3, 1159, 2012.

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