

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 SC comments and, for the final version of the paper: 1. We have modified the maps, in order to have a legend and a graphical scale bar. About the use of three color legend scales, we can say that it is relevant to identify a different level of possible transformation. For this purpose the semaphore scale is particularly appropriate, as literature on this topic suggests (see, for example, Marinoni, O., Hoppe, A.: Using the analytic hierarchy process to support sustainable use of georesources in metropolitan areas, *J Syst Sci Syst Eng*, 15, 154-164, 2006, doi: 10.1007/s11518-006-5004-8; Marinoni, O.: Implementation of the analytic hierarchy process with VBA in ArcGIS,

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Computer and Geoscience, 30, 637-646, 2004., doi: 10.1016/j.cageo.2004.03.010; Zorica Srdjevic, Bojan Srdjevic, Bosko Blagojevic, Ratko Bajcetic, Combining GIS and Analytic hierarchy process for evaluating land suitability for irrigation: A case study from Serbia, 2010 2nd International Conference on Chemical, Biological and Environmental Engineering ICBEE 2010). We agree your suggestions and understand your background and cartographical literature, but for the interaction of Multi-Criteria Analysis with GIS, we need to identify the difference between the classification of the indicators (and related data) and the possible level of urbanization. 2. We made may tentative to change the graphic representation of the maps and we hope that the final result is a good solution. 3. We changed the right map of Fig.4, and we used a pattern able to show the urbanization suitability obtained with AHP results, inserting a larger map. 4. We inserted a map with the localization of the Montercorvino Rovella municipality in Italy and in Campania Region.

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