

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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The paper presents a new methodology that integrates a Dynamic Spatial Decision Support System supported by a GIS with a Multicriteria Analytic Hierarchy Process, with the aim to obtain a necessary tool to address key issues related to land consumption.

This approach, named ISA (Integrated Spatial Assessment), is tested in a case study; are shown and discussed the resulting Urbanization susceptibility maps obtained.

The methodology presented is very interesting. The integration of spatial analysis processes with the multi-criteria analysis combining GIS functions and AHP models,

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provides tools strategically crucial for land use monitorin and land consumption. This reviewer considers that it necessary in the future to thest this hybrid method for ge-ographical areas of different scale and complexity in terms of layers of information considered.

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

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