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Natural Hazards and Earth System Sciences
Discussions

Interactive comment on "A hybrid model for mapping simplified seismic response via a GIS-metamodel approach" *by* G. Grelle et al.

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The authors are trying to bring out a seismic microzonation mapping in a GIS model using thematic layers which contributes to seismic site attenuation. The manuscript is well written

The authors are instructed to incorporate the following corrections.

1. Check the references thoroughly in the text. Some of the references which is mentioned in the text are missing in the reference part

Page 3, Line 5, FEMA 356 missing in the reference Page 3, Line 14, Grelle and Gudagno 2012 in text , in reference its given 2013, which is correct? Page No.3, Line

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21, mukhopadhyaya and Bormann 2004 - Check the Spelling with reference Page No. 5, Line 2, Edu Pro Civil System, 1999, Missing in the Reference Page No. 5, Line 10, HelGeoRDaS - Missing in the Reference Page No. 5, Line 13, van Rossum and Drake, 2001 or 2005? Check with reference Page No. 13, Line 22, NTC, 2008 – Missing in the Reference Page No. 13, Line 23, Galatini,et.al, 2000 – Check with the reference. Page No.16, Line 10, Iwan (1967) – Check the year Page No.16, Line 23, Check the year of the references Page No. 21 Line 16, Hutchinson , 1996 missing in the text part

- In the abstract it has mentioned that the model was applied and tested, however there is no comparison for the validation of the output in the results.

- Page No. 3 Line 8 and 9, correct grammar and spelling.

- Page 5, Line 13 it has mentioned Python 2.7 code is used, however it had not mentioned how it influenced in the present study.

- Page 7, Line 3, Lithology map used for the present study, however there is no source given for this map and also the lithological units can be written in the map itself in detail.

- Page No.3, Line 23. Since it's discussed about the earthquake proneness of the study area, a separate seismicity map of the area or the seismicity can be super imposed over the lithology can be present.

- Page No.29 Fig.4, The coordinate of the study area should given in degree minutes and seconds, The location of the study area is missing.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 2, 963, 2014.