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

G. nbsp;P. Ganapathy (Referee)
seismogans@yahoo.com
Received and published: 7 April 2014

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 C351
- 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.