

Interactive comment on “A coupled empirical approach for rainfall and land use correlation to landslide occurrence in the Esino river basin, central Italy” by E. Gioia et al.

F. Guzzetti (Editor)

f.guzzetti@irpi.cnr.it

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Dear Dr. Gioia and Dr. Marincioni,

your submission in NHESS-Disucsiion has now been examined by three independent referees, who have posted their public comments.

Overall, the three referees concur in judging your work of interest, and worth publishing in NHESS.

Based on the public reports of the three referees, the private information I have received from them, and my own evaluation of the work, I have decided that your sub-

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mission can be accepted, pending minor revisions.

Please inform your co-authors of this editorial decision.

When preparing the revised version of your work, I urge you to consider all the comments and suggestions made by the referees.

In addition to the comments made by the referees, please also consider the following editorial suggestions.

[+] As indicated by the second referee, combination of the two approaches fails short of expectations, and should be discussed further.

[+] The quality of the Figures should be improved.

In Fig. 1, one of the classes in "valleys and low hills", but rivers and valleys are also present in the other class. This is confusing. Some of the fonts are REALLY too small to read (the decimals in the geographical coordinates). The number of labels for the geographical coordinates is excessive, and should be reduced. Esino river should read Esino River. Stars indicate "Landslides". Is this one landslide or multiple landslides at the same site? In the scale bar, decimals need to be separated by ".", and not ",",.

In Fig. 2, most of the data are in the range $4 < D < 200$, and $0.3 < I < 6$, but the graph shows a much larger "empty" area. Enlarge the portion of the graph that shows the data. Some of the symbols are not clear to read (avoid using "shadowed" symbols). Along the y-axis, use "." and not "," to separate the decimals. The legend in the Figure is far from optimal, from a graphical point of view and needs to be improved. Use letters (a, b, c, d, or A, B, C, D, to identify the different symbols, and explain the symbols in the caption. This will save space in the chart, allowing the further enlargement of the relevant part of the chart.

Also, please consider that your work is part of a special issue of NHESS on "Landslides Prediction & Forecasting" for which a number of papers have already been published (http://www.nat-hazards-earth-syst-sci.net/special_issue206.html) and more are under

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discussion (http://www.nat-hazards-earth-syst-sci-discuss.net/special_issue32.html). When preparing the revised version of your work, consider the published papers and those under discussion.

I look forward to receiving the revised version of your work. With your re-submission, be sure to provide a detailed list of the changes made, and of your responses to the comments of the referees. Failure to provide this information may jeopardize the review process.

Sincerely,

Fausto Guzzetti

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 3, 1557, 2015.