

I substantially agree with the comments posted by Referees 1 and 2 about the paper “A coupled empirical approach for rainfall and land use correlation to landslide occurrence in the Esino river basin, central Italy”.

The paper is clearly written and all sections are well described and supported by adequate references.

I would suggest a different title, like “Rainfall and land use empirically coupled to forecast landslides in the Esino river basin, central Italy”. In my opinion, the use of the term “correlation” is misleading here.

In addition to the comments posted by Referees 1 and 2, I would suggest the following corrections:

- Line 8, page 1561: “... than on the mountains (CFRM, 2014)”.
- Line 12, page 1561: “Rainfall data were downloaded...”.
- Line 13, page 1561: “...CFRM, which manages a network...”
- Line 22, page 1561: “where I is the rainfall intensity (in mm h^{-1}), D is the rainfall duration (in h)...”
- Lines 15-22, page 1562: In order to understand the vegetation patterns, it would be better to show examples of MSPA classes in a Figure.
- Line 8, page 1563: “Core areas...”. The meaning of this statement is not clear, explain better.
- Lines 14-15, page 1563: I would modify as follows: “..., while Fig.2 plots new and historic data (Gioia et al., 2015) in relation to the threshold defined by Eq. (2)”.
- Line 21, page 1564: I would change in “As a matter of fact, the ID....”.
- Line 23, page 1565: “Core areas...”. The meaning of this statement is not clear, explain better.
- Line 16, page 1566: I would modify in “Coupling the intensity-duration method with the land use classification, which allows identifying the vegetation structures more inclined to fail, it could be worth reasoning...”
- Table 1: values of mean intensity (mm h^{-1}) cannot have two decimal points. It would imply that rain gauges are able to measure hundredth of millimeters. Please, use only one decimal.
- In Table 2 the percentage (%) symbol should appear under “Cr” and “Mix” in each column.
- Legend and caption of Figure 2 are unclear. Legend has to be more concise. The meaning of the different symbols (i.e. text in parentheses) should not be included in the legend, since it is already explained in the figure caption. In the caption only two colors (blue and pink) are reported. Please, describe also the other colors.