

Interactive comment on “Frontiers in Geomorphometry and Earth Surface Dynamics: Possibilities, Limitations and Perspectives” by Giulia Sofia et al.

Anonymous Referee #2

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This is a well-written preface of a Special Issue (SI). The paper introduces the SI on “Frontiers in Geomorphometry and Earth Surface Dynamics: Possibilities, Limitations and Perspectives”. I’m pretty sure it will reach a high impact in our Earth science community. I haven’t major issues to highlight. Just a suggestion related to the chapt. 1 and 3, in addition to other minor comments.

Introduction (chapt.1): Why not providing at the end of the introduction a table or a flow diagram summarizing the papers (and their main findings) collected in this SI? This will be very useful for the readers. Prefaces of SI are always written without any illustrations. Maybe this time should be a good opportunity to provide something more attractive. Note that this is my personal view. In the hands of the authors the decision

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if following such advice.

Future challenges (chapt.3): this chapter can be enlarged. I have some difficulties to see specific future challenges here. It seems just a general discussion. I’m sure that the authors have enough background to extract from their articles collection, and from the literature the future challenges of Geomorphometry. Are these only “synthetic DEMs, or neural networks”? Surely not.

Minor comments

Pag. 1, line 27-28: and “hydrology”? also there a DEM can help in supporting analysis, isn’t it?

Pag. 1, line 30: switch the order of citation as (Tarolli, 2014; Tarolli and Sofia, 2016), so it is consistent with the previous sequence of words (“natural” first, “anthropogenic” then).

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