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Interactive comment on “Automated landform classification in a rockfall prone area, Gunung Kelir, Java” by G. Samodra et al.

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See attached PDF file for the response

Please also note the supplement to this comment:

<http://www.earth-surf-dynam-discuss.net/2/C57/2014/esurfd-2-C57-2014-supplement.pdf>

Interactive comment on Earth Surf. Dynam. Discuss., 2, 19, 2014.

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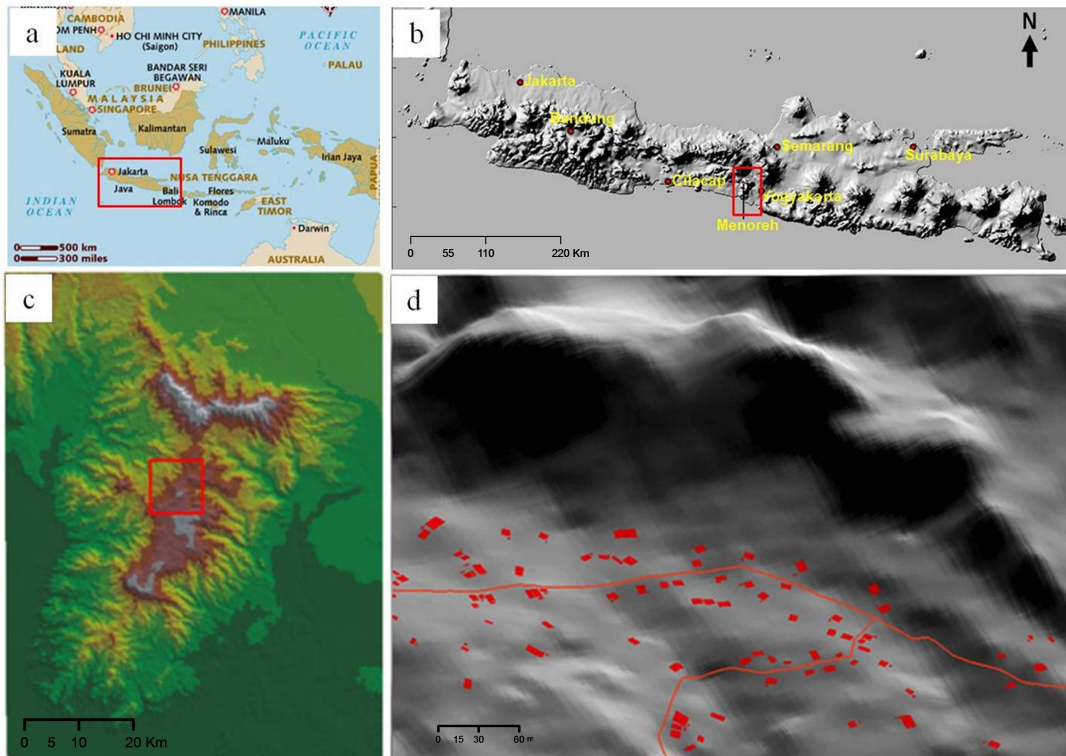


Fig. 1. Study area (a) geographical position of Java Island (b) DTM of Java Island (c) DTM of Kulon Progo Dome (d) Gunung Kelir Area viewed from east: red rectangle are elements at risk.

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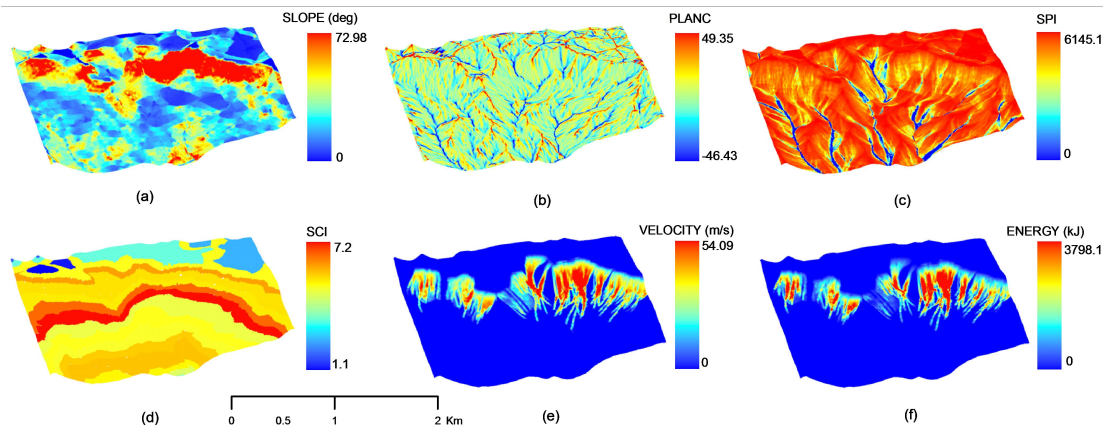


Fig. 2. Morphometric variables (a) slope, (b) plan curvature (c) stream power index (d) shape complexity index (e) rockfall velocity (f) rockfall energy

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Legend

- : Major Road
- : Element at Risk
- : Interfluve
- : Convex Creep Slope
- : Fall Face
- : Transportational Middle Slope
- : Colluvial Foot Slope
- : Lower Slope
- : Channel Bed

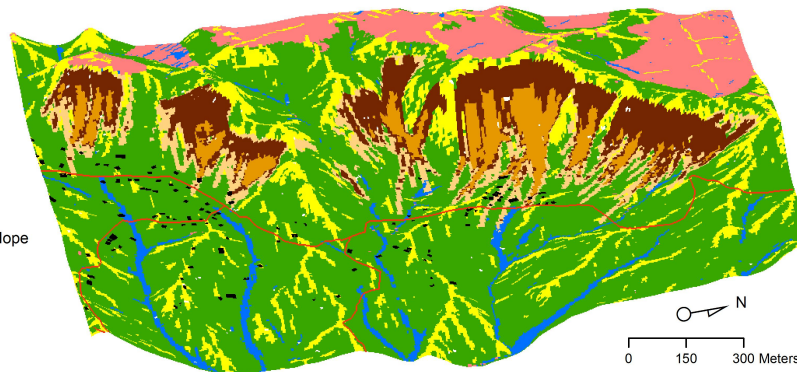


Fig. 3. Generic landforms in Gunung Kelir

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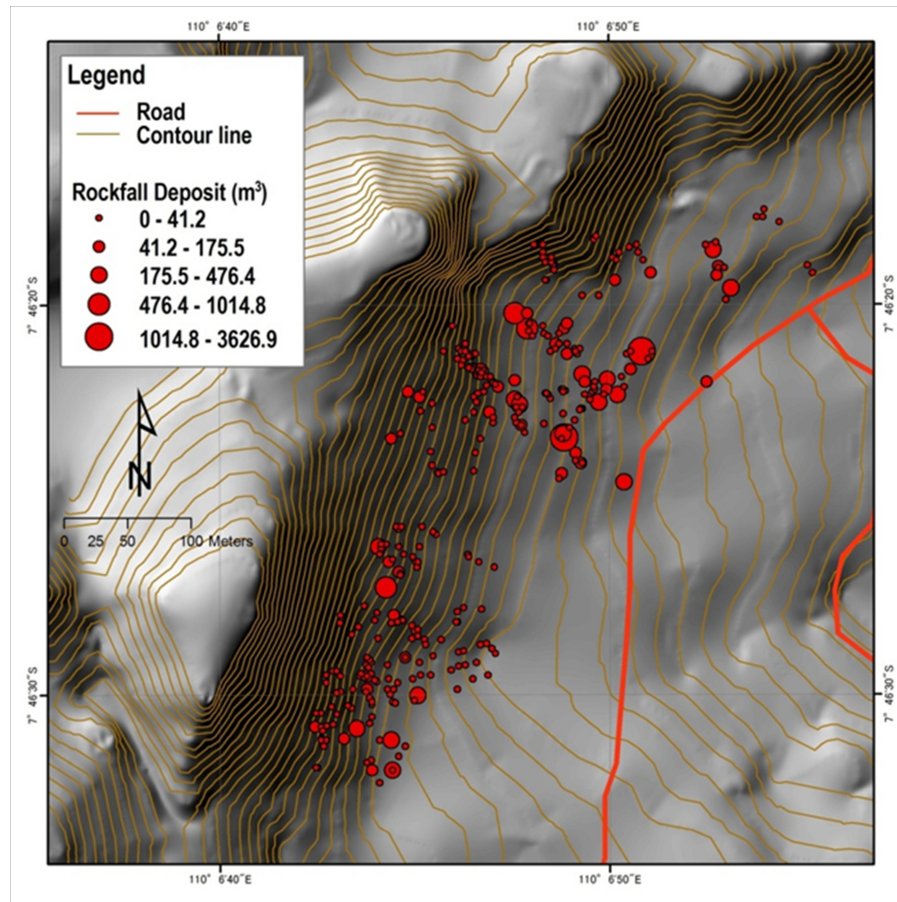


Fig. 4. Distribution of rockfall boulders in Gunung Kelir obtained from geomorphological survey

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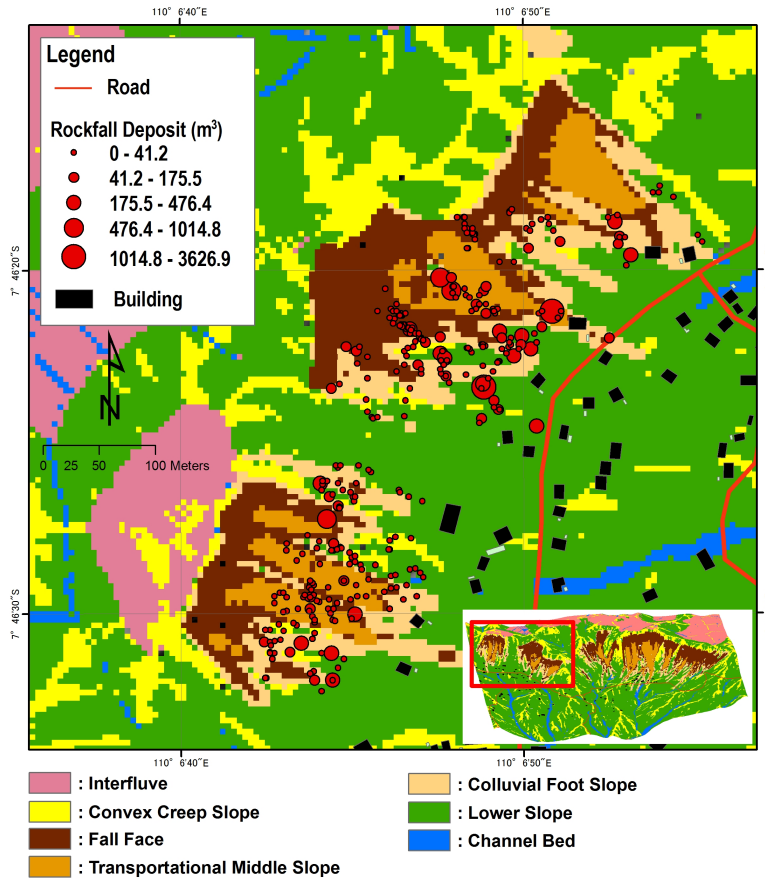


Fig. 5. Distribution of rockfall boulders associated with elements at risk and generic landforms

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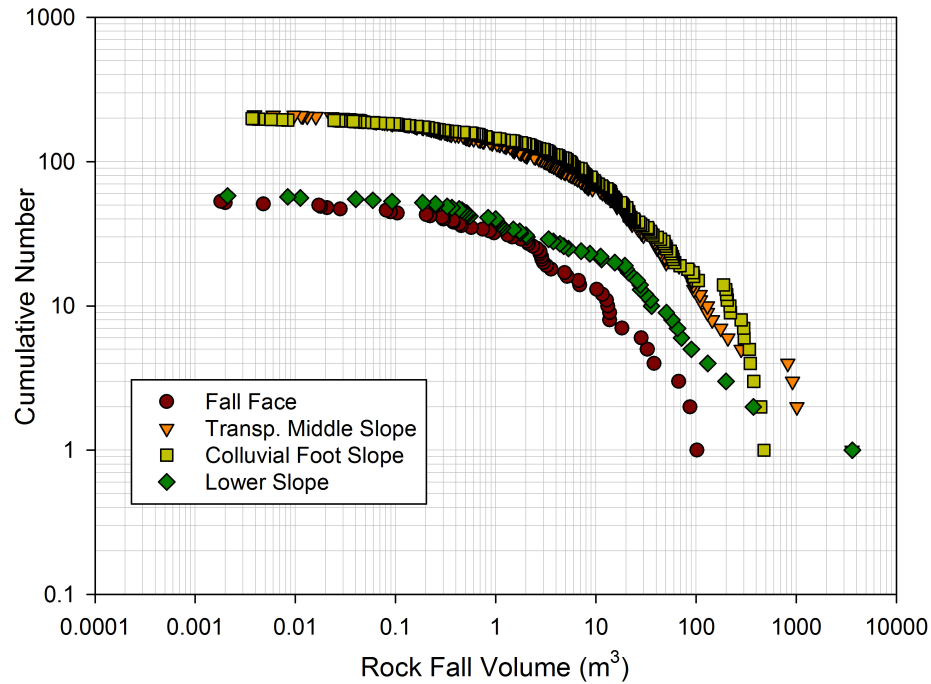


Fig. 6. Cumulative frequency curves of rockfall volume

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