

## ***Interactive comment on “Evaluating the Efficiency of Subsurface Drainages for Li-Shan Landslide in Taiwan” by Der-Guey Lin et al.***

**Der-Guey Lin et al.**

hcchan@nchu.edu.tw

Received and published: 22 April 2016

It is a work in the form of presentation of a specific application. The manuscript is very complicated and understandable. The paper lacks of a coherent structure, a proper introduction, a brief review of the state of the art, and most importantly, it does not provide any original contribution to landslide studies. In the study, it has been showed that Factor of Safety increases the stability of the drainage work. This is the natural result of the landslide study. Therefore, scientific contribution of the study is very low. Responses: (1) The coherent structure, proper introduction and brief review of the state-of-the-art have been strengthened and improved. Please see the revised manuscript. (2) The paper provides a possible computation method and a quantitative indication to make a quick evaluation on the validity and efficiency of a subsurface drainage system with relatively high engineering costs. (3) The study is

not designed for a scientific derivation or formulation of equations but for providing a practical example to those engineers who are working on the engineering construction and numerical analyses of subsurface drainage system in a large scale of landslide.

Please also note the supplement to this comment:

<http://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2015-309/nhess-2015-309-AC2-supplement.pdf>

---

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., doi:10.5194/nhess-2015-309, 2016.

[Printer-friendly version](#)

[Discussion paper](#)

