Natural Hazards
and Earth System
Sciences
Discussions

Interactive comment on "A Conceptual framework for web-based Nepalese landslide information system" *by* Sansar Raj Meena et al.

Hejar Shahabi

hejarshahabi@gmail.com

Received and published: 2 August 2019

In projects such as landslide detection or landslide susceptibility mapping, landslide inventory map plays a central role, and its quality has significant impacts on results, thus, it is required to access a reliable inventory map. Sometimes this inventory data is not available or in some cases there are more than one reference map, which makes it difficult to find the most reliable inventory map. But having such framework can tackle these problems. First, due to the fact that this platform uses various source to produce landslide inventory map, it acts faster than any approaches to map landslides. Second, since this procedure is supervised by an expert, incorrect data can easily be spotted and excluded form database. Third, it is an online platforms, which means it gets updated continuously, so user always have access to the latest data for landslide or any

related risk modeling. Finally, this framework can be used as a powerful tool for specifying the potential risky areas and consequently, the development of risk mitigation strategies at the local and even national scale.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., https://doi.org/10.5194/nhess-2019-246, 2019.