**Natural Hazards
and Earth System
Sciences**

Discussions

Interactive comment on "Developing open geographic data model and analysis tools for disaster management: landslide case" *by* A. C. Aydinoglu and M. S. Bilgin

Anonymous Referee #1

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This paper tries to develop interoperable geographic data models and open spatial analysis tools for disaster management, and use landslide as a case study. The content is addressed in detail and clearly. We have some suggestions as follows: 1.The data model in this paper looks more like a combination of different spatial data sources, namely a kind of organizational structure of spatial data, not like a general data model. 2.In this paper, the authors use Quantum GIS, GRASS GIS, and SAGA GIS respectively to complete different spatial analysis tasks, but we did not know whether this is a software that integrated all these functions to a new open source software. If it is, please describe in details and show the software UI in a picture. 3.In introduction part,

C2441

the author did not address the current research progress of data models and tools which already exist in the field of disaster management clearly. Are there any similar works published before? Then we can see what new work the authors do in this paper. 4.What are ADYS and TUCBS? Please clarify. 5.In the case study, the author use DEM to produce slope and aspect, use TM to produce NDVI and so on, this workflow is very common in landslide research. The authors should write clearly to tell the readers what different things they did. In general the scientific significance of this paper is not enough. I suggest that the authors should solve the problems above and submit it again.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 2, 6339, 2014.