Nat. Hazards Earth Syst. Sci. Discuss., 2, C2444–C2445, 2014
www.nat-hazards-earth-syst-sci-discuss.net/2/C2444/2014/

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

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Received and published: 11 November 2014

Disaster Management has a complex nature to manage disaster event. GIS technology can be used in various disaster management activities as explained in this article. Producing Hazard map, vulnerability map, and response action plan are the most known research topics to manage different disaster types. However a harmonized and integrated disaster management approach is required.

This article presents a conceptual approach to manage disaster activities harmonizing at different phases. And, open geo-data model titled as ADYS was developed for inter-

operability of geo data-sets. ISO/TC211 standard encodings and OGC standards were implemented with TUCBS data models towards building Spatial Data Infrastructure. It is original to test open data model with open spatial analysis tools. Even if the methods of applications were used for any activity, a harmonized data model consisting all activities at different phase of disaster management support a new vision for public stakeholders.

I have some comments to develop this article;

- - In Introduction, the authors should summarize scientific research about this topic and Why is this study and What is difference? Emphasize briefly.

- What is current situation in Turkey? Especially in terms of generating hazard and risk maps, this study should be expanded with additional studies according to Turkish experience. Explain briefly.

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