

## Use and Prospect for the GIS System about the Volcanic Disasters Prevention

# Jiro Satake[1], Hitoshi Takeuchi[1], Hiroko Makita[1], Toshikadu Iwahashi[1], Satoru Tsukamoto[1]

[1] Eartheon

<http://www.eartheon.co.jp>

On the occasion of Mt. Usu eruption in 2000, there were many opportunities to use and renew geographic information in the decision of the settlement of the evacuation area and the reconstruction plan, the renewal of the volcanic emergency map, and so on. Local governments around Mt. Usu digitized geographic information about the protection against volcanic disasters, and built a GIS system which indicates them and volcanic hazard map. This system can revise data, change indication, total the number of the persons of the optional evacuation area and so on. In this work, writers examined the way to utilize and develop this system, and suggested how to develop the system into volcanic emergency system by GIS or the real-time hazard map.