

A crisis novel 'Hiru wa Kumo no Hashira' as a textbook for hazard education of Fuji Volcano

Masato Koyama[1]; Akira Ishiguro[2]

[1] DIST, Education, Shizuoka Univ.; [2] none

http://sk01.ed.shizuoka.ac.jp/koyama/public_html/Welcome.html

A crisis novel 'Hiru wa Kumo no Hashira' (Ishiguro, 2006, Kodansha Ltd., Tokyo) describes a future eruption of Fuji Volcano. One of the authors (Koyama) supervised the volcanological assumption and materials in this novel. The characteristics of the novel are as follows:

(1) Most eruptive phenomena, which are written in the novel, are based on the hazard map of Fuji Volcano (<http://www.jamstec.go.jp/jamstec/research/evacuation/iugg/htm/abstract/abst/v13/018451-1.html>).

(2) Evacuation program, which is written in the novel, is basically based on the real evacuation program, which is authorized by the Central Disaster Management Council in the Japanese Government.

(3) The novel describes the dilemma 'Should we prepare for the very low-frequency (but very large-scaled) disasters such as debris avalanche?', the dilemma which we often face in risk-management of volcanic disasters.

(4) The novel shows that good communication and cooperation among volcanologists, officials, journalists, and residents are necessary to save the society from unexpected disasters.

(5) The story of the novel is implicitly based on the scientific result that Fuji Volcano probably had twin peaks and one of them was destroyed by the sector collapse at 2.9ka (after Miyaji et al., 2004).

(6) The novel describes remarkable jobs by volcanologists using super devices such as a robot for volcano monitoring, a numerical simulator of eruptive phenomena, and a network-based groupware for crisis management.

Because of all these characteristics, the novel should be a good textbook of volcanology and hazard education not only for citizens but also for all experts, which can be related to management of volcanic risk and crisis.