

Volcanic Hazard Maps published in Japan

Teruko Sato[1]; Yayoi Hotta[1]; Motoo Ukawa[1]; Yoichi Nakamura[2]

[1] NIED; [2] Earth Sciences, Utsunomiya Univ.

All published volcanic hazard maps and related documents of active volcanoes in Japan are collected. The maps and related documents are recoded on DVD media as image-files scanned in 300-400 dpi resolution, and they are also released on our WEB site of NIED.

The purpose of this work is to open our database for volcanologists and local officials who are managing mitigation programs to volcanic disasters.

Only two volcanic hazard maps of Hokkaido-Komatake (1984) and Tokachidake (1986) were released before 1990. Serious disasters at Unzen eruption in 1991 prompted many local governments neighboring on other active volcanoes to establish mitigation programs and volcanic hazard maps. Therefore 13 hazard maps were released between 1993 and 1999. After the simultaneous eruptions at Usu and Miyake-jima in 2000, 18 more hazard maps were released within the following five years. Now, over 40 volcanic hazard maps and attached documents have released for 33 of 108 active volcanoes in Japan.

表1. 活火山のランクとハザードマップ公表時期

公表時期	ランクAの活火山	ランクBの活火山	ランクCの活火山
第 I 期 (1980年代)	北海道駒ヶ岳(1983) 十勝岳(1986)		
第 II 期 (1990年代) 1991年雲仙岳噴火以降	雲仙岳(1993) 樽前山(1994) 三宅島(1994) 有珠山(1995) 阿蘇山(1995)	伊豆大島(1994) 桜島(1994) 浅間山(1995) 草津白根山(1995) 霧島山(1996) 鳥海山(1997) 岩手山(1998) 雌阿寒岳(1999)	
第 III 期 (2000年代) 2000年有珠・三宅噴火以降		恵山(2001) 新潟焼山(2001) 岩木山(2002) 蔵王山(2002) 安達太良山(2002) 焼岳(2002) 秋田駒ヶ岳(2003) 箱根山(2004) 九重山(2004) 富士山(2005)	磐梯山(2001) 秋田焼山(2002) 吾妻山(2002) 那須岳(2002) 御嶽山(2002) 鶴見岳(2004) アトサヌプリ(2001) 由布岳(2004)