

HDS021-18

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## The center for conveying volcano monitoring information and diffusion and enlightenment of disaster prevention education

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The collection of information concerning the volcanic activity and the spread enlightenment of the volcano knowledge to the local residents are standing point to deepen the resident's correct understanding to the volcano, and to advance the volcano disaster prevention measures. Especially, when Fuji volcano erupts by any chance, the influence extends it to not only the municipality in the surrounding but also a wide region, wherefore the volcano hazard map was made centering on the Cabinet Office, it continued to it, and the evacuation map etc. were made by the local disaster prevention conference. To offer investigation results and monitoring information to the local municipality etc., "Fuji volcano disaster prevention information center" is attached to Yamanashi Institute of Environmental Sciences. And also, promotion of the spread enlightenment of the volcano disaster prevention education and organizing of the system of the volcano monitoring and the volcano observation information sharing is aimed at in the Fuji volcano disaster prevention information center.

As for the volcanic activity monitoring system of Mt. Fuji, YIES sets up the low frequency seismograph etc. in the Oshino village, and the system that was transmitted to NIED by the lease line. And then, seismic wave data analyzed with the observational data of NIED, and fed back to YIES.

Meanwhile, it is thought that it is important to learn the volcanic phenomena on disaster prevention education, assumes the case where the lava flow are erupted from Mt. Fuji, the virtual lava flow simulation is preformed. Lava flow simulation code that was developed mainly by NIED, used LavaSIM. The calculation was executed by super computer SGI Origin 3800 in NIED.

To advance the spread enlightenment of the volcano disaster prevention education of Mt. Fuji further, the system of Fuji volcano disaster prevention Information Center is maintained to send essential information concerning Mt. Fuji including the volcano knowledge and volcano observation information. It is scheduled to process the information plainly and to open it to the public in YIES. It attaches and it reports on the approach.

Keywords: Fuji volcano, volcano disaster prevention, Information center, volcano monitoring, active volcano, disaster prevention education