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26th IUGG General Assembly

VS10p-VS10p VS10/VS11/VS31 Probabilistic Volcano Hazard Analysis / Short-Term Forecasting of Volcanic Hazard: So Far, So Good? / Quantifying and Communicating Uncertainty During Volcanic Crisis

Abstract: VS10p-456

Activity of Kamchatkan and northern kuriles volcanoes database of Kamchatkan volcanic eruption response team

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KVERT IVS FEB RAS was founded in 1993. The goal of KVERT is to reduce the risk of aircraft encounters with volcanic ash clouds in the North Pacific area through timely detection of volcanic unrest, tracking of ash clouds, and prompt notification of airline authorities and others about volcanic ash hazards. KVERT staff work closely with staff of AVO, AMC at Yelizovo Airport and the VAACs of Tokyo, Anchorage, Washington, Montreal and Darwin to release timely eruption warnings. KVERT staff analyzes volcano monitoring data (seismic (KBGS RAS), satellite, visual and video, pilot reports), assigns an Aviation color code (ICAO) for aviation and issues VONA of eruptive activity at Kamchatkan and Northern Kuriles volcanoes. Since 1998 KVERT presented in the Internet: <http://www.kscnet.ru/ivs/kvert/>. Basic information about the active volcanoes of the region and their potential hazard to aviation, Aviation color codes and others are presented in the electronic catalogue: <http://www.kscnet.ru/ivs/kvert/volcano.php>. Since 2012, KVERT releases are preparing and mailing to users with help of the computer-aided web-system and posting on KVERT website. KVERT issues the VONA, Weekly and Daily releases about activity of Kamchatkan volcanoes: <http://www.kscnet.ru/ivs/kvert/van/>. Information about the state of the volcanoes, and volcanic events (ash explosions, clouds and plumes) and their characteristics (date, height, directions and the others) are stored in Activity of Kamchatka and Northern Kuriles volcanoes database. Current and archive data are available at KVERT-website and in the Volcanoes of Kurile-Kamchatka Island Arc (VOKKIA) Information system on the IVS FEB RAS Geoportal (<http://geoportal.kscnet.ru/volcanoes/van/>).