



Cities on Volcanoes 9
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'Understanding volcanoes and society: the key for risk mitigation'



Global strategy plan to minimize risk for long-dormant volcanoes

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High risk volcanoes, hazards, risk mitigation

Global strategy plan to minimize risk for long-dormant volcanoes Henry Gaudru (European Volcanological Society-S.V.E.) Email : hgaudru@sveurop.org Long periods of dormancy between eruptions are characteristic for many volcanoes. The historic experiences suggesting that a long-dormant volcano can erupt violently, it's necessary to develop a global plan to minimize the next eruption : 1) scientific knowledge of the potentially dangerous volcanoes sufficiently advanced to permit the elaboration of "scenarios" of possible eruptions including identification of the hazard zones ; 2) to have a scientific monitoring and some warning of impending eruptions ; 3) to have a legislative framework within which it is possible to plan, organize, and put into effect, at the national and at the local level ; 4) Public awareness of the potential hazard and of the attendant risks to life and property including permanent educational program for children. If the above preliminary conditions are fulfilled, a general plan of action could be prepared for each potentially dangerous high-risk volcano. However, any plan will remain for ever valid, and it will always be advisable to provide for its review and revision with appropriate publicity at regular intervals. Changes may become necessary as a result of : (a) Progress in scientific knowledge of the volcano in question, which may lead to a redefinition of the hazard zones around it (b) Changes in the pattern of settlement around the volcano, in the road system, communication networks and other technical infrastructure, which will modify the procedures for warning and cities evacuation in emergencies (c) Changes in the administrative structure of the national or local government.