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'Understanding volcanoes and society: the key for risk mitigation'



Levels of alerts and reports in Southern Andes Volcano Observatory (OVDAS). Community Information

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The main objective of the Southern Andes Volcano Observatory is to monitor the volcanic activity of the 43 most active volcanoes in the Chilean territory and provide information about the volcanic behavior and feasibility of changes in alert level to the community, through the relevant authorities. The alert levels are determined by different colors (green, yellow, orange and red), which are related to the development of volcanic activity. This activity is evaluated through, the feasible time interval when an eruption could occur and the potential scenarios according to changes in the system behavior, in comparison with its base level, which was determined during the whole monitoring period. During the surveillance, different behaviors in the volcanoes activity are recorded, that do not necessarily trigger an eruption and does not imply a change alert. In both cases, a change alert and sudden change of volcano activity, this is continuously informed to the authorities, through reports of volcanic activity (RAV, REAV). The frequency of different reports is different could be monthly, biweekly, daily and in special cases at any time of day.