



Cities on Volcanoes 9
November 20-25, 2016
Puerto Varas, Chile

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



Experience of the colombian geological survey with educating indigenous communities in the municipality of cumbal, as a contribution to the social appropriation of geoscientific knowledge

Diego Mauricio Gómez Martínez¹, Paola Narváez Obando¹

¹Servicio Geológico Colombiano

Keywords: Social appropriation of knowledge, Cumbal volcano, indigenous communities, SGC, Educational Institution

The Colombian Geological Survey (SGC) through the Volcanological and Seismological Observatory of Pasto (OVSP) focuses on contributing to social appropriation of geoscientific knowledge. Since 2011 we have been building a program to teach the study and evaluation of volcanic hazards and volcano monitoring techniques to teachers and students of the School Institución Educativa Los Andes de Cuaical (IELAC), located in the Indigenous Reservation of Cumbal, in the proximal zone of Cumbal Volcanic Complex.

In this context, students of IELAC participated in the first, second, and third National Biennial of Children and Young People living in areas of Volcanic Risk (2011, 2013 and 2015). This program is a strategy driven by the SGC to allow interaction between the inhabitants of the active volcanic regions in the country. One activity implemented with them is the "Ascent to Cumbal volcano" which includes sharing knowledge, visiting volcanic monitoring stations, identifying and recognizing emitted deposits, and sampling of rocks by the students. Those rocks and a stratigraphic column built with them are part of the new school Core Repository "Land of Los Andes, a look to the entrails of Pasto territory". Additionally, IELAC students participated in field work related to a bathymetric survey of the Laguna de Cumbal, as another activity that contributes to this process. SGC-OVSP annually brings a "mobile or traveling Observatory" to the IELAC, which in a didactic and experimental manner demonstrates our work. The commitment of the parties involved is that several of these activities will occur on a regular basis to ensure continuity in the process. This project highlights experiences gained in working together with this indigenous educational community of the Nariño Department.