



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



Quarry musemization as a didactic practice and enviromental regeneration process: the case of Cerro Gordo volcano (Campo de Calatrava, Spain)

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Cerro Gordo is a volcano located in the eastern of Campo de Calatrava whose eruptions have led to the formation of a complex building consisting of a pyroclastic cone, developed in a Strombolian event, to which a maar generated in a powerful phreatomagmatic eruption of high-energy pyroclastic flows is attached. In the NE slope of the volcano, pyroclasts have been exploited for several years to produce cement. The Lafarge Group came to be in charge of the exploitation in 2008. After lengthy negotiations between the Association for the Development of Campo de Calatrava, the research group UCLM: Geomorphology, Territory and Landscape in Volcanic Regions (GEOVOL) and the owners of the quarry, in February 2011, an agreement was signed for the transfer of 2,000 m², which paved the way for the creation of an outdoor museum that would allow an understanding of the eruptive activity of Cerro Gordo in the educational-informative aspect of this space, while also positing the need of a rational adequacy of the zone, as affected by mining activities, to those programs for the environmental conservation in the Campo de Calatrava area. In December 2014, the Association for the Development of Campo de Calatrava approved, the project titled "Volcano Musealization Gerro Gordo" under the auspices of the "Leader 2007/13 program" that grants € 120.000. The musemization is based on the building of gateways adapted for disabled people, located at the base of the short quarry, in which 10 panels explaining the general characteristics of volcanic processes and the characteristics of Cerro Gordo are displayed in an interpretive circuit along the entire perimeter of the zone. It is accompanied by



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an audio guide with a detailed description of each of the panels. The project draft also plans a parking space for cars and buses and a small interpretive

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center.