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# Miscellanea

# INGV

Abstracts Volume of the International meeting  
“Cities on Volcanoes 10”

**Millenia of Stratification between  
Human Life and Volcanoes:  
strategies for coexistence**

2 | 7 September 2018, Napoli, Italy

# 43

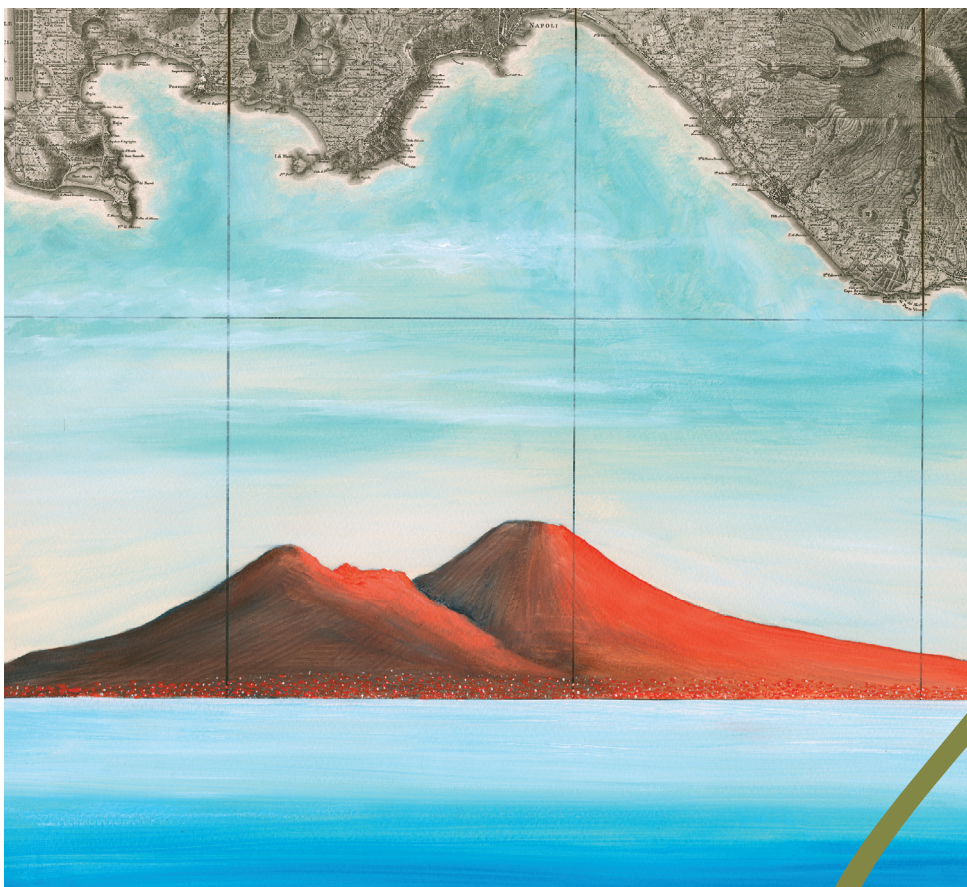


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ABSTRACTS VOLUME OF THE INTERNATIONAL MEETING “CITIES ON VOLCANOES 10”  
MILLENNIA OF STRATIFICATION BETWEEN HUMAN LIFE AND VOLCANOES:  
STRATEGIES FOR COEXISTENCE

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Editors Rosa Anna Corsaro, Maria Giulia Di Giuseppe, Roberto Isaia, Angela Mormone, Rosella Nave



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## **Geoheritage in protected volcanic landscapes in Tenerife, Canary Islands, Spain**

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Tenerife constitutes the largest (2034 km<sup>2</sup>) and highest (3718 m a.s.l.) island of the Canary Islands Archipelago, Spain. It has been built up as a result of the accumulation of different volcanic materials during a period of time > 12 million years. The aim of this abstract is to communicate a study of the geoheritage in protected volcanic landscapes in Tenerife (PVL). The methodology is based on field work and calculations of volcanic geoheritage based on the identification of geomorphosites according to Serrano and Trueba (2006), and to compute for each their scientific and cultural values, as well as use and management values. Tenerife has forty-three protected volcanic landscapes that consist over 48% of the surface of the island. On the Island, there is one National Park (Las Cañadas del Teide), ten Natural Reserves, one Natural Park (Corona Forestal), two Rural Parks (Anaga and Teno), fourteen Natural Monuments, nine Protected Landscapes and six Sites of scientific interest. The main volcanic geoheritage in the protected landscapes of Tenerife are: volcanic shields (Anaga and Teno massifs), Las Cañadas caldera, two stratovolcanoes (Teide and Pico Viejo), 297 cinder or scoria cones, lava fields (pahoehoe, aa and blocks), petrified lava lakes, lava tubes (e.g. Cueva del Viento) ravines, cliffs, alluvial and colluvial deposits and black beaches. In general, the index of geoheritage for PVL of the island shows scientific values lower than the cultural values. Only in concrete cases scientific values are over the cultural values (e.g. Teide and Pico Viejo stratovolcanoes). These data imply that the geodiversity and volcanic geoheritage of the protected volcanic landscapes of Tenerife are the opportunities for education, management, and scientific research.