

The geological map with thematic elements and submerged landscapes map of the National Park of Cilento, Vallo di Diano, and Alburni European and Global Geopark: a dissemination and planning tool

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The Geological map with thematic elements and submerged landscapes map of the National Park of Cilento, Vallo di Diano and Alburni - European and Global Geopark, scale 1:110,000, has been realized through the collaboration between the Geological Survey of Italy/Institute for Environment Protection and Research (ISPRA) and the National Park of Cilento, Vallo di Diano and Alburni. The map was carried out through a reasoned synthesis of CARG Project data, the cartography project of the New Geological Map of Italy at 1:50,000 scale. The deposits of the Geopark were distinguished considering their geodynamic context and the time of their deposition with respect to the Apennine chain orogeny. The map's legend gives information about lithology, thickness, depositional environment and age of the lithostratigraphic units. The geological map has been enriched with the most significant geomorphological and hydrogeological elements showing the potential of the park territory, and includes a selection of the main geosites and caves, to highlight the archaeo-zoological and geological heritage. The backside of the map contains: a short explanation; a synthesis of the geological setting; the hydrogeological map of the Geopark's territory, at 1:240,000 scale; a detailed insert map, at 1:30,000 scale, describing geological-geomorphological and bionomic features of the marine protected area of Punta Licosa. A WebGIS application of the map is also available. The main objectives of this work are the following: to achieve an official document for the institutional activities of the Geopark; to realize a user-friendly tool aimed at dissemination of the geology and the marine geology of the Geopark; to develop the knowledge of the territory and the environmental education and to valuing, protecting and promoting the geodiversity of the Geopark, as a key to understanding the geological evolution of the Mediterranean Sea, and to understanding how the geology has influenced the landscape and the settlement on the territory.

Presented in Theme 1