



Sea floor mapping and correlated sismostratigraphic evidences on some selected Mediterranean Basin Sites.

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In the ambit of the Moccha Project (EuroMarc Program), an Oceanographic cruise (DOPPIO) has been realized throughout the Mediterranean Sea, on October-November 2008, dealing to the collection of Geophysical data, water column and sea bottom (shallow and deep stratigraphy) sampling, and geochemical analysis.

The Geophysical indirect methods for sea-bottom study were primarily driven to support the direct bottom samplings, and furthermore to collect new detailed morphological and stratigraphic data on some selected sectors, constituting the base for both the cruise and subsequent project purposes activities.

The seafloor bathymetry-morphology was collected using a Multibeam Echosounder System (SIMRAD EM 302), while the sub-bottom evidences were pointed out in some areas by the employing of a Multi Purpose Acoustic System (SEABED TECHNOLOGY B.V.- 310 'MP').

The detected areas were the Sicily Channel, the Taranto Gulf-Gallipoli zone, and the the Atalante-Discovery-Urania, the Bannock and the Medee anoxic basins sectors.

The aim of this elaborate is to present the deduced sea floor characteristics mainly with respect to the surface Morphological data, coupled furthermore in some sectors with stratigraphic evidences, for data integration and a more complete comprehension of the considered areas.