

## **Eighth GEBCO Science – presentation abstract**

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**Oral presentation title: Magic project: the Italian experience of a common effort of the scientific community to acquire, process and interpret a very large quantity of HR bathymetric data at a national scale**

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### **Abstract**

The Italian MAGIC (MARine Geohazard along the Italian Coast) project, is a just-finished 5 years initiative, funded with 5.25 M€ by the National Civil Defense Department. The project involved the whole Italian marine geology scientific community (3 CNR institutes, 7 universities, OGS-Trieste) and provided 73 sheets of the “Map of Geohazard Features of the Italian Seas” plus a web-GIS database (Infor. Mare) to retrieve in real time all the maps present in scientific literature dealing with the marine geology of the Italian Seas.

Some 39.000 nautical miles of multibeam data have been acquired and integrated with 10.000 from previous surveys. Almost 2/3 of the Italian continental margins have been covered by the project as we excluded shallow epicontinental seas (e.g. Northern-central Adriatic, northern Tyrrhenian, Sicily Channel) as in general they host few geohazard features.

The depth range we investigated is 50-1000m w.d. even if we reached shallower water at canyon head or everywhere needed and we stop deeper (80-90m) where wide shelves were present. Despite it was conceived for geohazard purposes, the results we obtained can be exploited for a number of purposes and represents a large database for marine sciences for the decades to come.