

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

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### **Poster presentation title: MESHATLANTIC PROJECT: Compilation and Harmonization Bathymetric Data in the Atlantic Area**

**Authors:** D Mata, JL Sanz, and LM Agudo; Spanish Oceanographic Institute (IEO), Madrid, Spain

#### **Abstract**

The Interreg Project MeshAtlantic has been developed by eleven partners from the four Atlantic Area countries (France, Ireland, Portugal and Spain) during the period 2010-2013.

The MeshAtlantic Project has among its main objectives compiling historical maps, documents, and data with information about the bathymetry, substrate nature, marine habitats and physical data on the Atlantic area of study, as well as harmonizing the maps and data between the countries in order to obtain continuous maps about these items.

The most important information for obtain the broad-scale habitat map have been the bathymetry and substrate maps, although the distribution of seabed habitats is also the result of changes in other factors as light penetration, geomorphology, wave energy, thermal stability, temperature and salinity.

The analysis of the crossing of these base layers allows obtain a homogeneous base layer for the seafloor characteristics that have influence on the marine habitat or community types. The results of this compilation and harmonization are translated to thematic continuous maps across all countries involved in the project to obtaining new cartography of marine habitats in agreement with the European Natural Information System Classification (EUNIS) on the MESH Atlantic marine area considered.

Within the results is included the confidence assessment of information sources and data used to make national maps, mapping the confidence value across the study area.