

# Tools for discovering and managing oceanographic data of Spanish Institute of Oceanography

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The Spanish Institute of Oceanography (IEO) is a Public Research Organization created in 1914, currently attached to the Ministry of Economy and Competitiveness. The IEO focuses its efforts on scientific knowledge of the oceans, the sustainability of fisheries resources and the marine environment.

Due to the large amount of information collected over the 100 years of IEO history, there is a clear need to organize, standardize, integrate and relate the different databases and information.

In 1997 began the first initiative to organize the Spanish Institute of Oceanography spatial information in a Geographical Information System (GIS). In 2010 began the development of Spatial Data Infrastructure of IEO in order to facilitate the access to the spatial data of IEO. This infrastructure involves a metadata catalogue, data viewers with interactive tools and Web Services of IDEO.

The data, metadata and Web services of IEO are following INSPIRE directive (2007/2/EC) standards.

In order to facilitate access to the Spatial Data Infrastructure of IEO, a Geoportal was developed. <http://www.geo-ideo.ieo.es/geoportalideo/>



Figure 1: IEO Geoportal

The Viewer Base integrated on the Spatial Data Infrastructure of IEO has useful and advanced tools to discovering and managing the oceanographic data of IEO.