

THE SEA USE GEODATABASE of EMILIA-ROMAGNA REGION

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To provide an useful tool for the future planning of the maritime space, the SGSS has started the project to build a **sea use geodatabase**; a technical instrument that allows to highlight the critical issues in the overlapping of uses and in the exploitation of resources, as well as the direct and indirect impacts on the aquatic environment.

It is a tool under development, and the first results are shown in the publication "The Sea...Instructions for use 2.0 (2012)"

For this reason the SGSS is trying to readapt data type to the marine application which need a 3D view in order to represent its complexity and dynamicity (spatial and temporal).

Sea Surface

Water Column

Seabed

Marine subsoil

As a first approximation, the data are stored on the basis of sea level involved (surface, water column, bottom and substrate) and the distance fro the shore (onshore and offshore).

The SGSS sea-use geodatabase will be used to support the **IPA-project Shape** (<http://www.shape-ipaproject.eu>) whose aim is the development of a multilevel and cross-sector governance system, based on an holistic approach and on an integrated management of the natural resources, risk's prevention and conflicts resolution among uses and users of the Adriatic coast and sea.

