



Improvement of Specialized Database for Information Support of Coastal Research

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Successful research and analysis of the state of coastal areas in seas and oceans demand for reliable information support. This implies development and creation of specialized databases providing collection, storage, quality control, and accessibility of various archives and new information. A case in point is a specialized database formed in the framework of investigating evolution of the Russian Black sea accumulative shores. The specialized database is composed of two essential blocks.

The first of them contains data of the oceanographic research in the area conditionally limited by the 200 m isobath; the second one holds data received as a result of the coastal research and coastal zone remote observation. The specialized database structure was created as an open one that allows further improvement of the existing databases, as well as integration of both new databases on various parameters and additional services [1].

The above mentioned principles were realized in the course of the subsequent work. Along with the updating of the existing databases of the oceanographic block (hydrological data, hydrochemical data, etc.) and the coastal zone block (database of aerial and satellite images, database for the river estuaries and coastal lakes, database for the coastal zone study) with data obtained within the project, an information and reference block was added. It includes some additional information on measured parameters, corresponding methods of measuring, applied equipment, etc.

The information and reference block expands the possibilities of the Specialized database for information support of coastal research and allows its using for both research and educational purposes.

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References

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