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WEB system for standardization of geographical information on coastal area

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WEB system for standardization and management of geographic information on littoral regions

The littoral region is an important area for economy and people's life, because big cities and many factories locate in the land area, and important harbors and fishery facilities locate in the sea area. So far the exploration tool of the geographic information is different in the sea area and the land area, and in the littoral area, as the condition is limited further, there is a necessity for attempting the data integration of land area and the sea area, such as combining the reflection method by bay cable, the electric detection method and gravity/magnetism data.

This research improves the interoperability of the geographic information of the littoral area now open to the public by two or more organizations who are in charge of managing this information, and also contributes to the efficiency improvement of the analysis and the overall use and management, by integrating and standardizing the geographic information of the land area and the sea area.

To integrate and to analyze the geographic information data of the land area and the sea area that had been collected by two or more different organizations, a new system is constructed for unitary management of the meta data of different organizations by a standard format, and opening to the public by WEB base. Standardization at the meta data level can contribute also to the efficiency improvement of the retrieval, use, and management of data, for the integration and unitary management of different kinds of data.

Keywords: coastal area, geographical information, standardization