赤潮情報の広域ネットワーク型データベース化に関する研究

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Abstract

Red Tides, caused by an explosive increase in phytoplankton, frequently cause great damage to inshore fisheries. As occurrences of Red Tides have increased, the Japan Fisheries Agency has funded many research projects, with the aim of protecting fishery grounds from damage, an extensive range of data have been continually collected to elucidate the trigger to the explosive plankton bloom.

With advances in research and data accumulation, it became necessary to develop a database system that allows researchers to analyze geographical sea conditions and to produce graphical views based on a huge data set. Thus, a database system using public communication lines was designed.

Using the prototype of this system, marine researchers are able to quickly get collate information about Red Tide blooms and a range of related data from all coastal areas of Japan.