



# MarineWeb Portal as



# an interface between Users and Marine Data and Information Sources

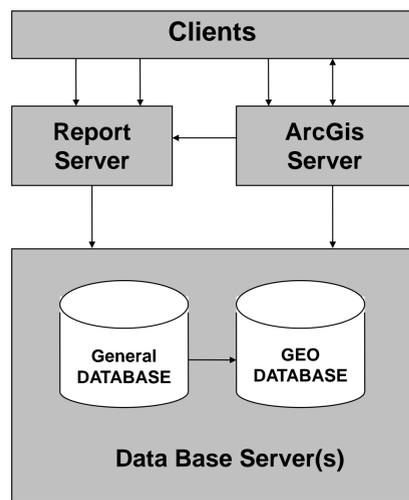
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**The GOAL:** The marine web portal concept is to build common web based interface which will provide users fast and easy access to all available marine data and information sources, both historical and real-time such as: marine data bases, observing systems, forecasting systems, atlases etc. The service is regionally oriented to meet user needs. The main advantage of the portal is that it provides general look "at glance" on all available marine data and information as well as direct user to easy discover data and information in interest.

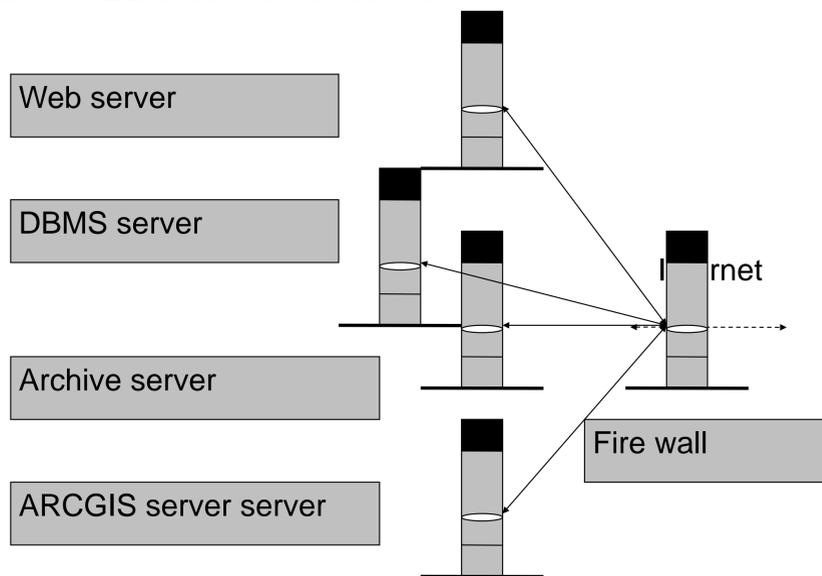
**PURPOSES:** To collect oceanographic data;  
To archive and provide long-term storage of data and related information for their correct interpretation;  
To check the quality of data, using internationally accepted standards;  
To contribute to national and international data exchange;  
To provide oceanographic products and services to end users.

## GENERAL DATABASE STRUCTURE

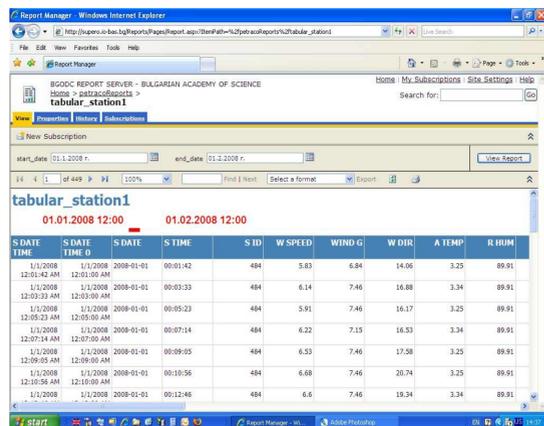


Ensure the implementation of essential tasks including storing, updating and retrieval of information. Database maintenance includes scheduled back-up and automatic recovering. The database was tested and tuned in laboratory and is installed on BGODC data centre.

## DMS WEB Portal Structure

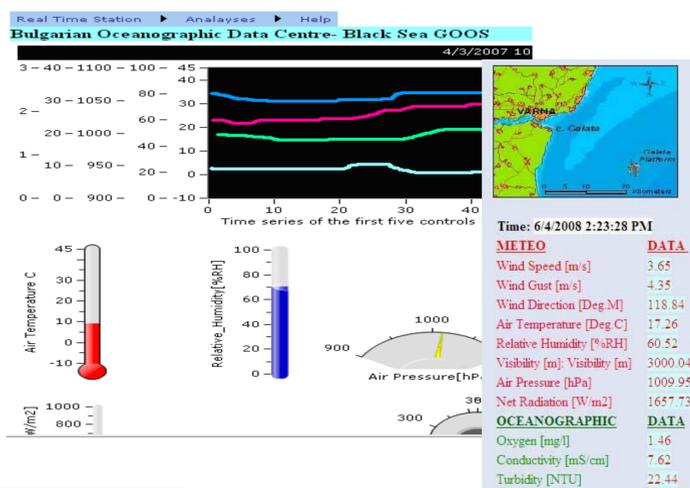


## REPORT SERVER



WEB services that underlie the dissemination of information. They serve incoming requests for records, process them, transform them into the format requested and sending them to the user. Work in non-stop 24/7.

## REAL TIME SERVICES

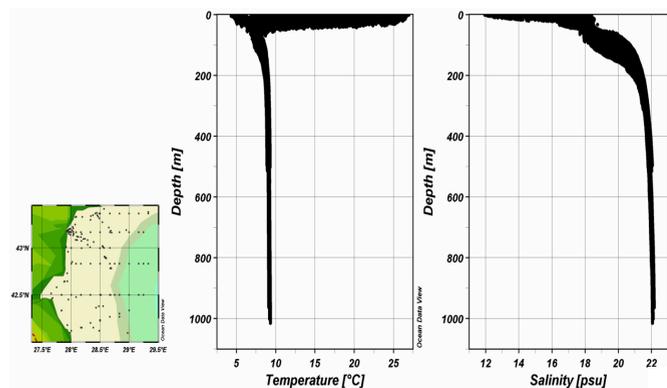


## WAP SERVICES



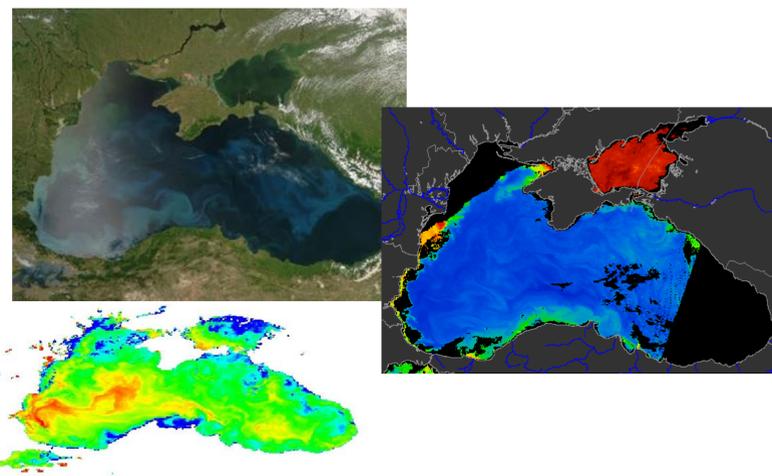
## DATA QUALITY CONTROL

An essential part of the management of data to show their consistency and opportunities for their application in various areas. To provide data of high quality for quality control protocols established in IOC, the leading national oceanographic data centers and international projects.



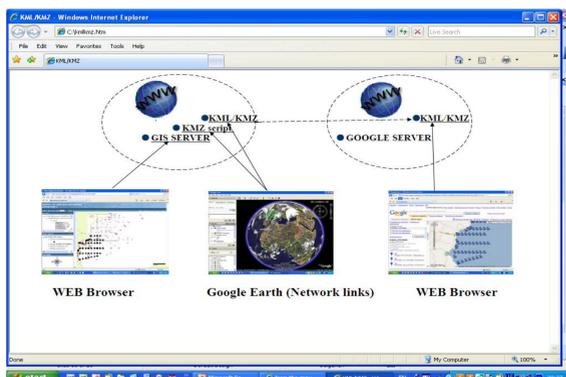
Profiles of temperature and salinity data obtained after administration of quality control procedures.

## GETTING OCEANOGRAPHY DATA USING OF GEOPHYSICAL SATELLITES



## GIS SERVICES

Provide interface to geographical data. Work combined with Reporting Services using desktop GIS products through web browsers and mobile devices.



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