

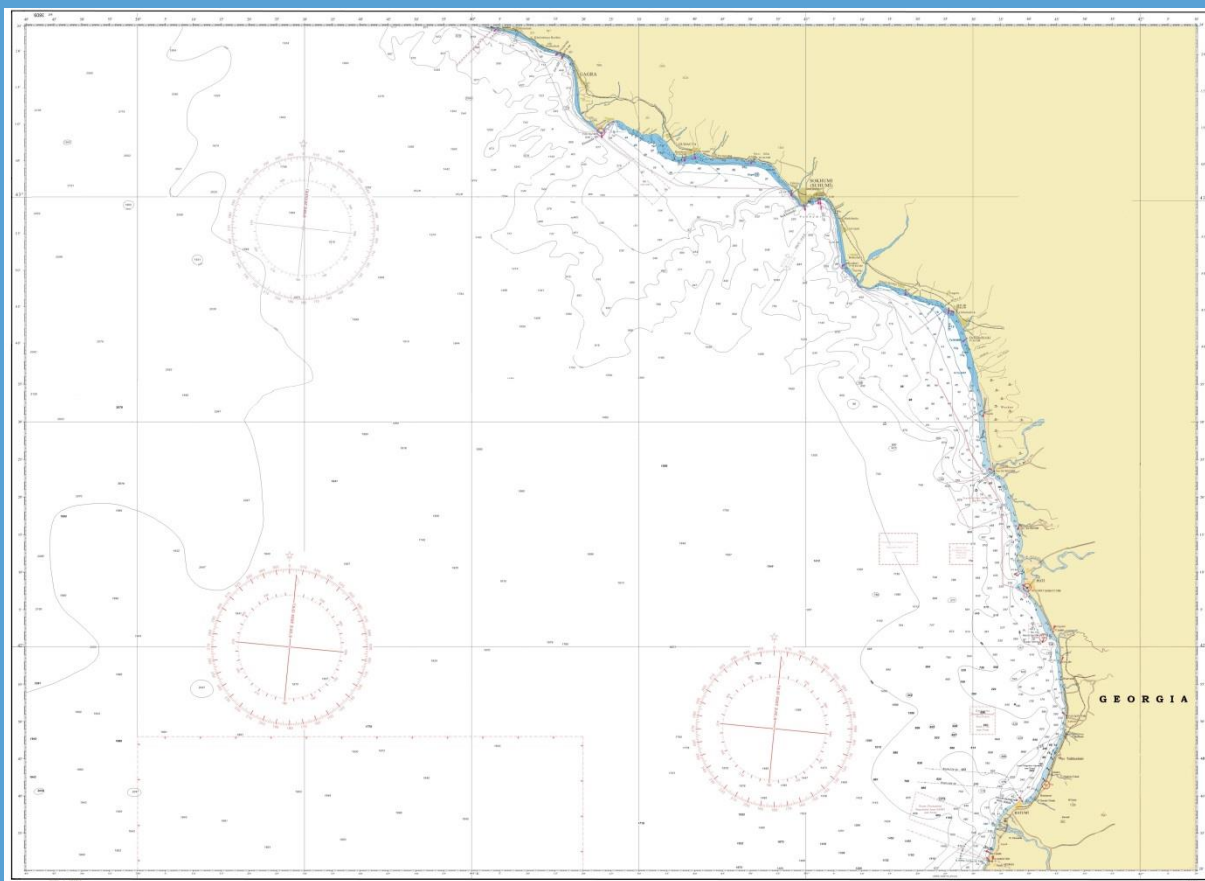
# The STATE HYDROGRAPHIC SERVICE OF GEORGIA



J.P.P.R. The STATE HYDROGRAPHIC SERVICE OF GEORGIA

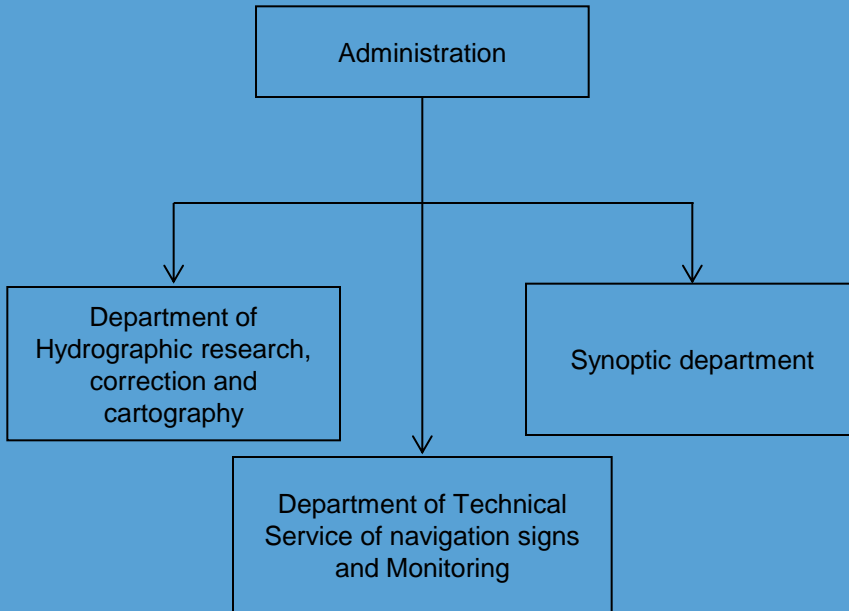
# NATIONAL REPORT OF GEORGIA TO 11th MEETING OF THE WORKING GROUP ON THE SAFETY OF NAVIGATION IN THE BLACK AND AZOV SEAS (BASWG11)

- “The STATE HYDROGRAPHIC SERVICE OF GEORGIA” is a national coordinator of the navigation warnings in Georgia. It includes a systems of navigation equipments and shining (illuminate) and non-shining (non-illuminate) navigation signs located on the coastline {seafront}, cardinal and literal signs in the open sea, that ensure a safe navigation of floating means {floating equipments} within the zone of Georgia’s responsibility and coastline.



# Service Structure

The Service consists of 3 main Departments:



## 1. Function of Department of Technical Service of navigation signs and Monitoring.

- a) Supervision on, technical assistant to and modernization of navigation equipment's and navigation means.
- b) Fencing with a modern cardinal signs of dangerous areas for navigation in the Georgia's responsibility zone.
- c) Furnishing of sea ports and port's waterways (channels) with a modern navigation signs.
- d) Furnishing of sea ports and port's waterways (channels) with a modern navigation signs.
- e) Furnishing of overland and navigation means with supervision monitoring system for a safe navigation, operative response and proper functioning.



## **2. Function of Department of Hydrographic research, correction and cartography**

- a) Bathymetric survey and observation of depths of coastline.
- b) Bathymetric survey of itinerary.
- c) Collection of Bathymetric data in the ports and areas of anchoring.
- d) Monitoring of coastline changes.
- e) Monitoring of coastline changes. Determination of geodetic or characteristic data and/or monitoring of changes of navigation signs and stop-lights and their description and publishing.
- f) Description of ports and berths being built from the geodetic and bathymetric standpoint for the purpose of determination of places for placement of navigation signs and safe berths.
- j) Publishing a booklet - Seamen's Statement.
- o) Informing Seamen or respective services regarding changes in the navigation (closing of marine areas, itinerary changes, arisen marine dangers or prohibitions and other events related to marine navigation.
- h) Production of navigation charts, plans, route maps {itinerary charts} and general charts within Georgia's coastline in accordance with both international and national standards.
- i) Introduction of Amendments in the marine navigation charts and their publication.

## **3. Synoptic Department**

- a) Regular monitoring of weather by existing means (barometer, barograph, meteorological maps {meteorological charts}, data of local and other meteorological stations, other means.).
- b) Holding weather prediction and storm warning for safe navigation and safety of staff at sea and in the port.
- c) Registration of meteorological phenomena.
- d) Holding data and its archiving.





# New stage of development of of the Service started in 2011, under conception made in advance.

- Damped navigation signs at the sea ports and entrance channels were replaced by new ones.

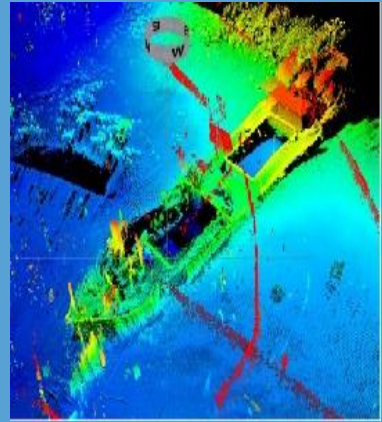
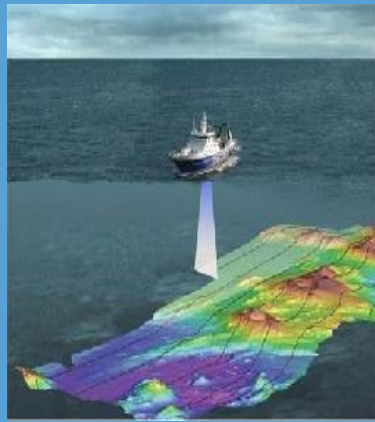
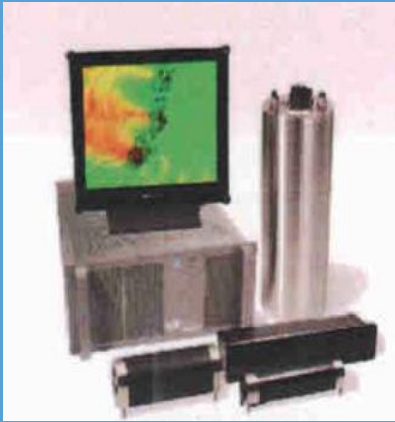


- Ports being built and that places requiring signposts (guiding points) in the form of traffic lights were furnished with navigation signs.

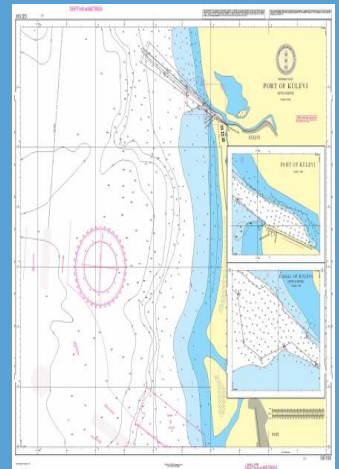
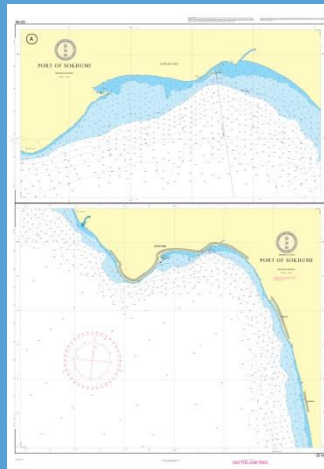
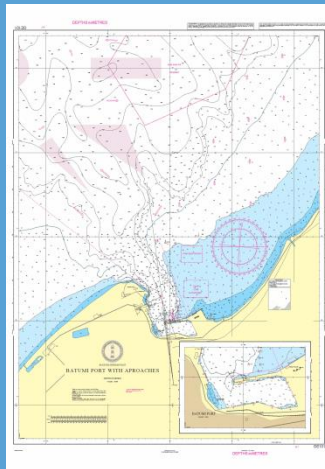


# Implemented Projects

- The Service was furnished with modern sophisticated multibeam echosounder. It gives us possibility to study the sea depths regularly, to update old data, to detect sunk vessels.



- First time in the history of Georgia, the paper and electronic charts of Georgia's coastline – Ports of Sokhumi, Kulevi, Poti, and Batumi – were made.



# Implemented Projects

- In order to print marine charts, the Service was furnished with special printer – plotter.



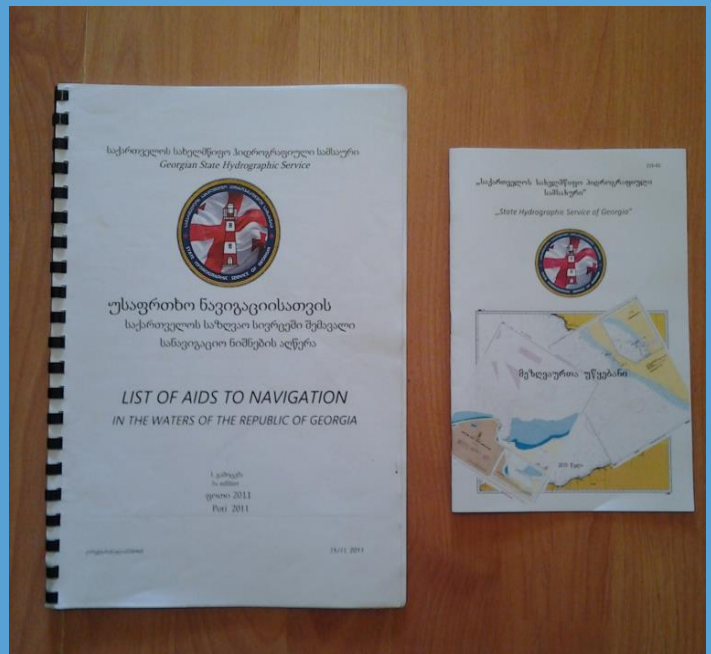
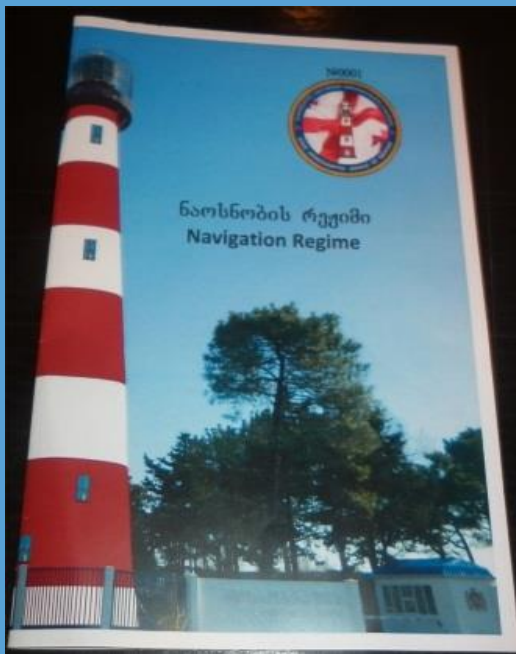
- With the purpose of improvement of personnel qualification, the foreign trainer-consultants were invited in meteorology, cartography and hydrology. Ppersonnel's retraining was also held at “JEPPESEN” company to study cartographic programs in Norway.





# Implemented Projects

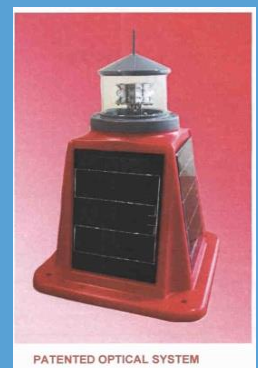
- The Service started printing the booklets such as “Seamen’s Statement”, “Navigation Regime”, “List of aids to navigation ”.



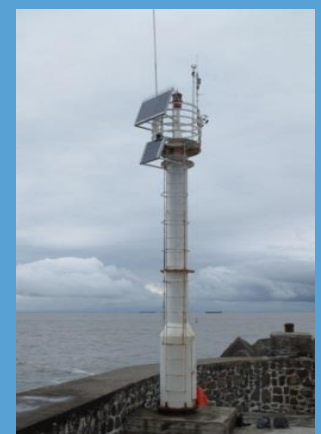


# Implemented Projects

- Land-based meteorological sensors and sea and oceanographic buoys with the sensors for tide, water hardness, undercurrent and transmitter of sea condition were introduced for prognosis (above mentioned buoys were installed at the Poti port, Batumi port, coastline of Anaklia land station). By means of Meteo sensors it is possible to make weather forecast along all perimeters of Georgia's coastline and to provide vessels and ports with actual information. (Requirements of UN SOLAS convention is met).



- Multicentral management systems of navigation signs and traffic lights monitoring were introduced, using of which give us possibly to controll proper functioning and coordinates of navigation signs from the management center



# Implemented Projects

- To maintain navigation signs and equipments in due working condition, a 100% stockpiles for their replacement were set up.

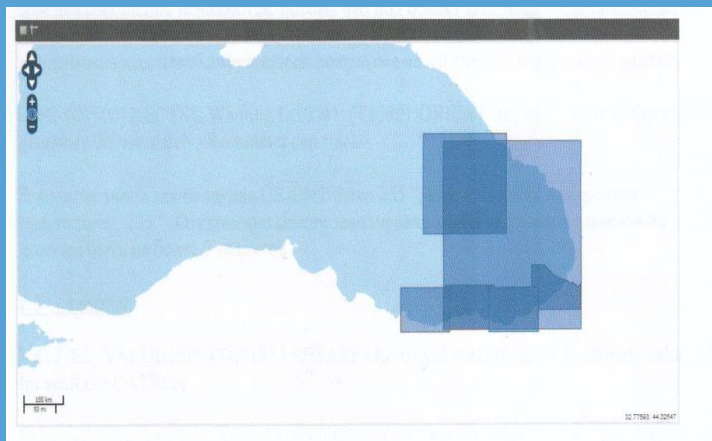
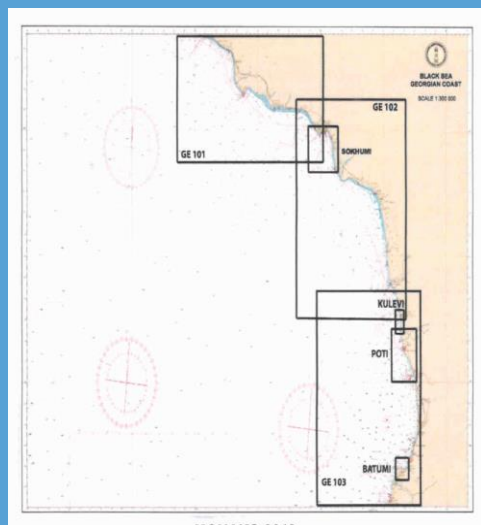


# Implemented Projects

- At the 17-th conference of the International Hydrographic Bureau, held on June 1-3, 2011, “The STATE HYDROGRAPHIC SERVICE OF GEORGIA” was adopted as associate member of the International Hydrographic Bureau (IHB).
- At the International Hydrographic Organization convention, for the purpose of Georgia to become a member of the International Hydrographic Organization, a letter was initiated, on the basis of which Georgia, under the resolution of the Georgia parliament, joined 1967 convention of the International Hydrographic Organization, and its membership procedures started. Until now, 22 countries supported Georgia to join the International Hydrographic Organization and this process continues.
- (April 23-27, 2012) A delegation of “The STATE HYDROGRAPHIC SERVICE OF GEORGIA” participated for the first time at the 18-th conference of the International Hydrographic Organization as the observer.



# Implemented Projects



- The Service raised the question before the International Hydrographic Organization to use GE index on Georgia's charts (maps) to be published in the international catalogues. Georgia's charts include all the Georgia's marine zones, including Abkhazeti.
- Agreement was achieved and the contract was signed with PRIMAR – an international collaboration dedicated to providing a consistent and reliable electronic navigational chart (ENC) service; Electronic charts will be published after some technical details are agreed.





## Implemented Projects

- Due to work done, the Service, within its competence, fully provides navigation safety within Georgia's marine zone (zone of its responsibility), in accordance with the international organizations IALA and IHO requirements.
- The Service provides the regional coordinator "NAVARE III" with the booklet "Seamen's Statement" and navigation threats. "NAVARE III" then sends information to international community, that makes navigation safer into Georgia's territorial waters.
- During reference period, <The STATE HYDROGRAPHIC SERVICE OF GEORGIA> fully implemented the recommendations N S1/4515 of December 17, 2010, of the technical experts of the International Hydrographic Bureau. At present, a new invitation has been sent to invite a new group of experts.
- Georgia puts a request to hold a meeting of a working group in Batumi, Georgia, in 2014, and invites all participants to Batumi.

