



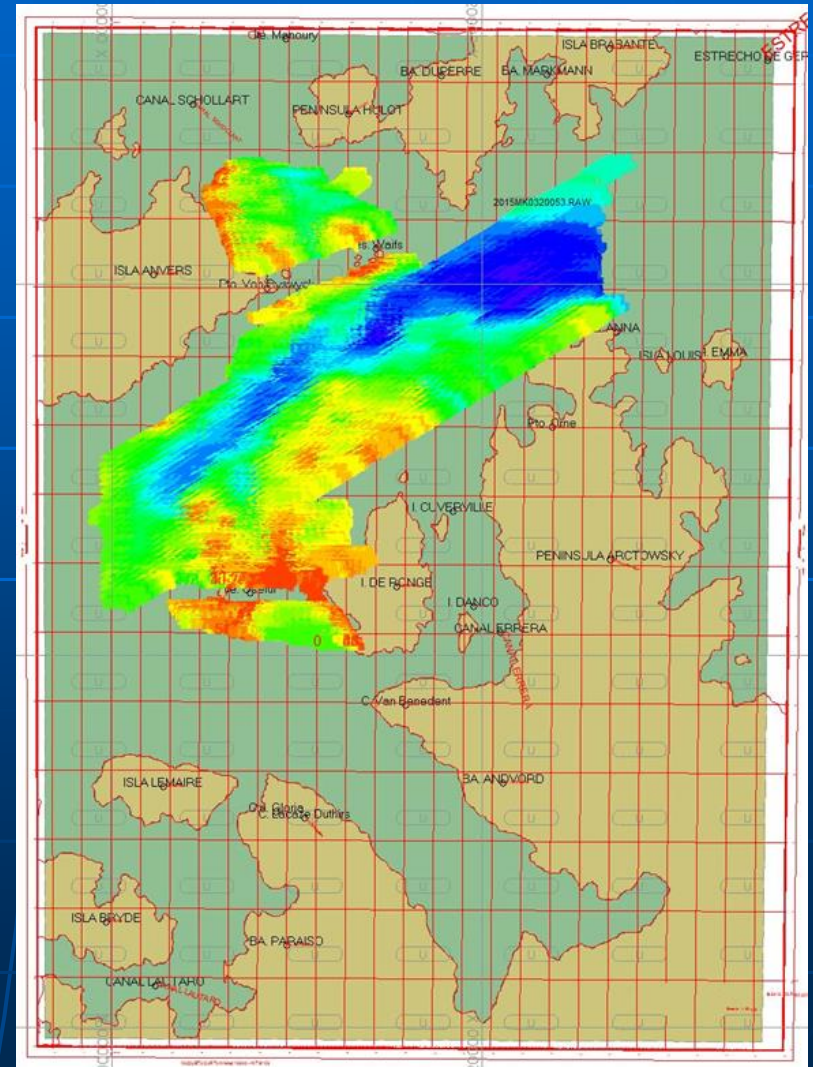
Hydrographic Commission on Antarctica

National Report by COLOMBIA



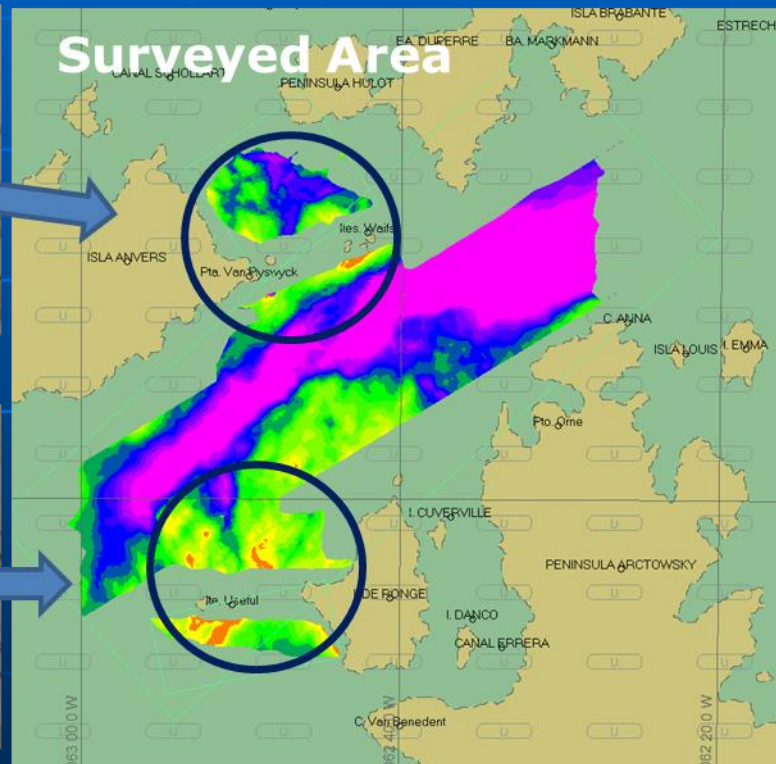
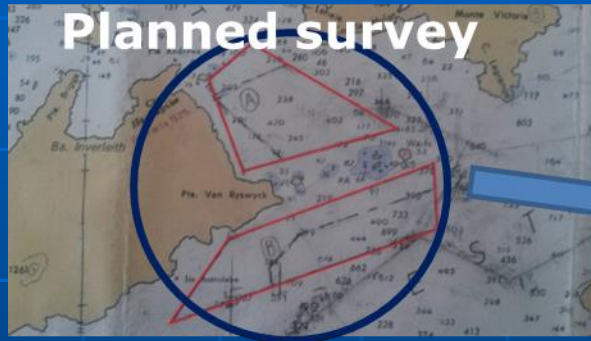
Survey and charting progress in Antarctica since last meeting (December 2013)

- The hydrographic data (2015) contributed to:
- INT 9103 Markman Bay to Andvord Bay . SHOA 2017
- Several NtoM BA 446 UKHO



Survey and ^{charting} progress in Antarctica since last meeting (December 2013)

★ Areas surveyed: Gerlache strait



Lines	389
MNL surveyed	1000.83
Area	26.276.275.2 m ² .
Order	1b y 2
Depth	4.35 to 837 m
Survey days	17



DIMAR-CIOH
SHOA

SURVEY
EDIT CHART INT 9103.



Survey and charting progress in Antarctica since last meeting (December 2013)

Installation equipment on boat DEFENDER



Survey speed 7 knots

Personal 3 Hydrographers

Equipment : Echosounder single beam;
GPS – RTK 8517; PC



✦ Risk assessment studies



Survey and charting progress in Antarctica since last meeting (December 2013)

Installation equipment on ARC 20 de Julio (vessel OPV made in Colombia)



DGPS RTK



PC - DGPS RTK



Bridge screen control



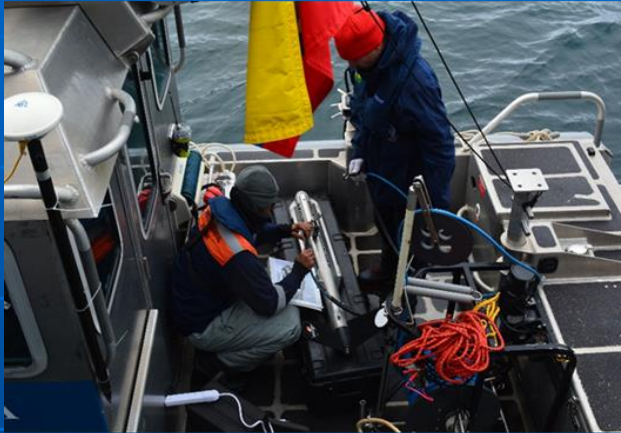
GPT - MRU



Transducer 18 - 200 Khz



Survey and charting progress in Antarctica since last meeting (December 2013)



Activity 2:

Geophysical monitor in small bays.

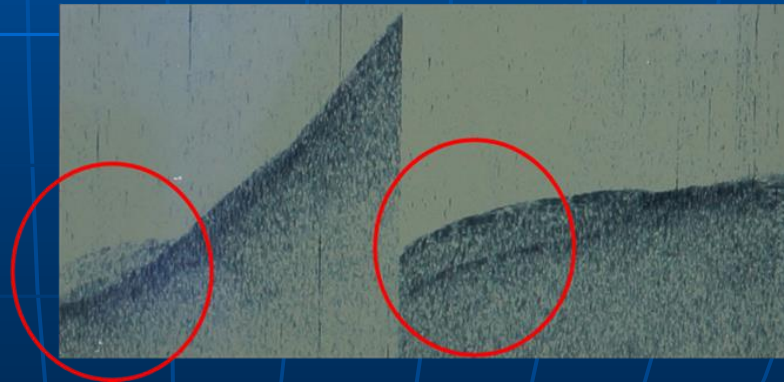
goal:

Subbottom profile.

Scientif aim:

Try to Understand the evolution of transitional glacial marine in terms of climate & oceanographic changes that it influences in its sedimentation

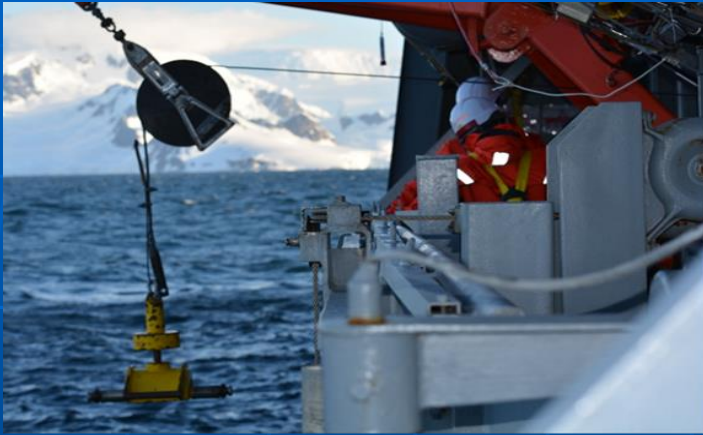
International Cooperation CIOH/DIMAR – U. A. Bello (Chile)



✦ impact of Polar Code on your activities



Survey and charting progress in Antarctica since last meeting (December 2013)



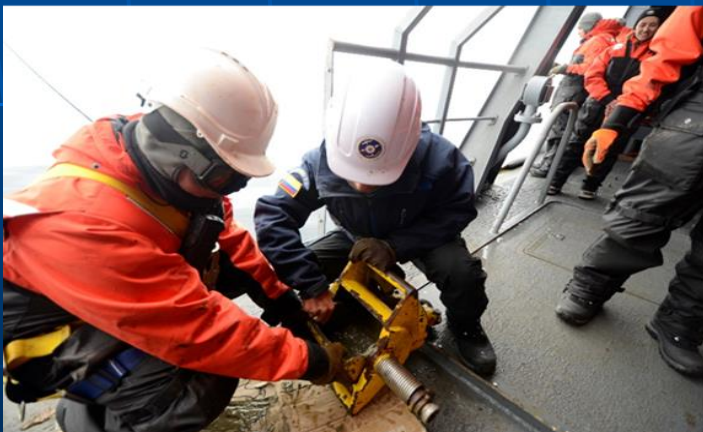
Activity 3:

Get bottom sediment samples to determine: Heavy metals, hydrocarbons, organic matter, organisms.

Scientific goal:

Determine the composition and environmental quality of the seabed.

Contributions to Antarctic environmental health committee Antarctica

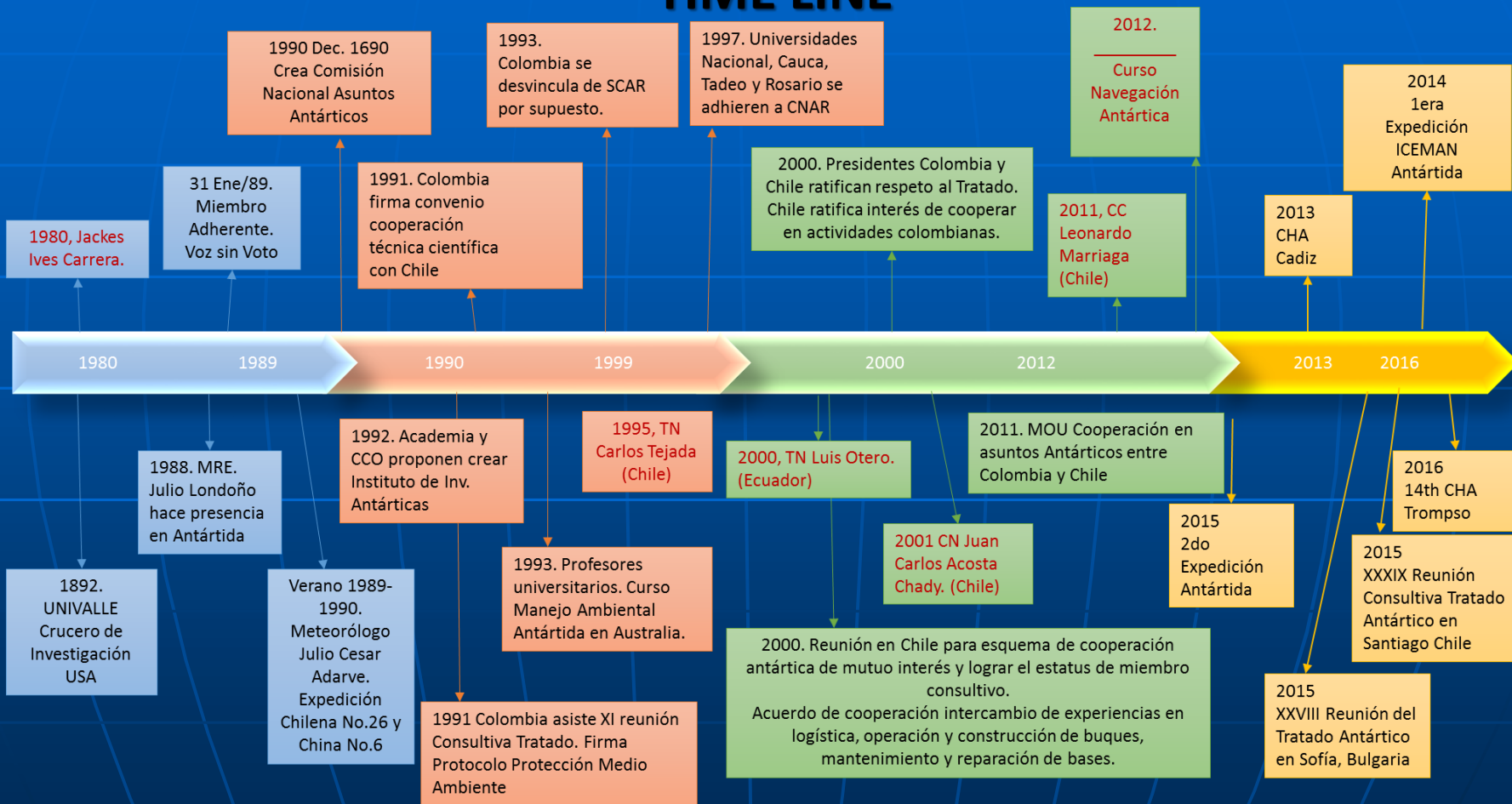


✦ impact of Polar Code on your activities



Status of Relations with Other Organizations

TIME LINE



Status of Relations with Other Organizations

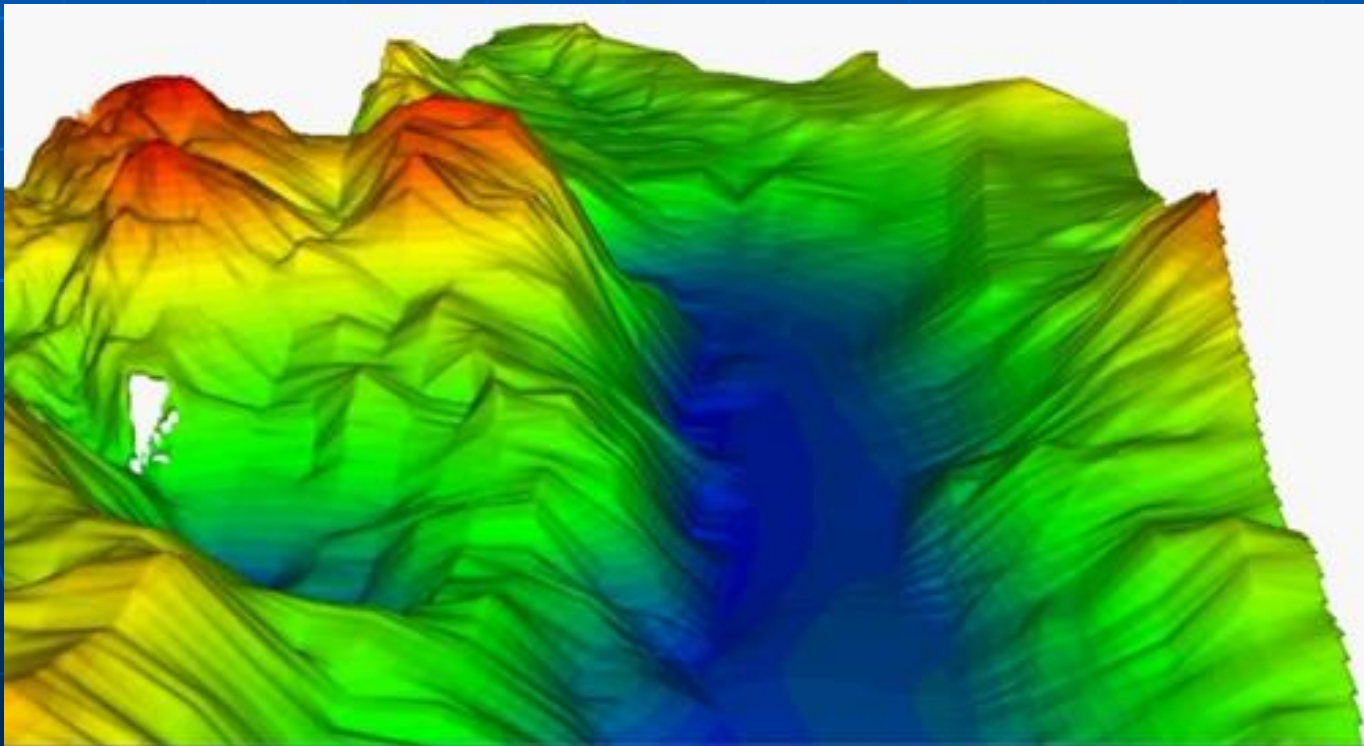
✦ Scientific and polar institutes

INSTITUTES	QUANTITY
COLOMBIAN NAVY RESEARCHERS	11
OTHER INSTITUTES RESEARCHERS	7
FOREING RESEARCHERS (Chile)	1
TOTAL SHIPPED RESEARCHERS	19
DOMESTIC INSTITUTES	16
INTERNATIONAL INSTITUCIONES (Chile: 2; Mexico:2; Puerto Rico)	5
DOMESTIC RESEARCH	9
INTERNATIONAL RESEARCH	2

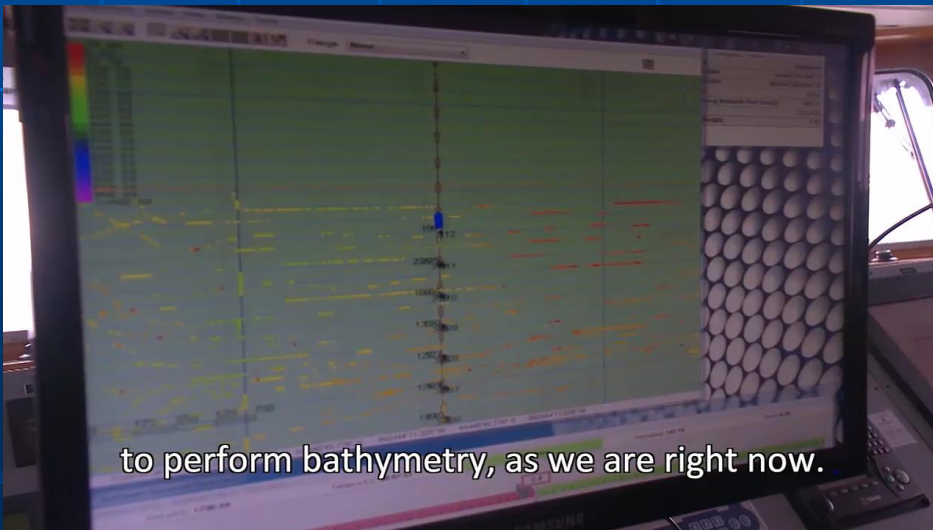


Status of Relations with Other Organizations

- ✦ Hydrographic data received from other organizations as HO from CL, EC, PE, UK.
- ✦ Hydrographic data provided to other primary charting authorities and/or SHOA & UK.
- ✦ Participation in the XXXVIII Antarctic Treaty Meeting in Sophia, Bulgaria between 1st and 10th June 2015 where Colombia showed the results of ICEMAN



THE FIRST COLOMBIAN ANTARCTIC EXPEDITION



Activities for 2015-16

The II Scientific Expedition to Antarctica Colombia named "Admiral Lemaitre" was develop in the austral summer 2015-2016.



03.03.2016.12:15



Activities for 2015-16

The II Scientific Expedition to Antarctica Colombia named "Admiral Lemaitre" was develop in the austral summer 2015-2016.



Activities for 2015-16

In the framework of the XXXIX Consultative Meeting of the Antarctic Treaty to be held in Santiago de Chile, the General Directorate Maritime - DIMAR presented the Document IP 50 "Contribution of Colombia to the Maritime Safety in the Antarctic," which supports the studies and actions taken by DIMAR in Antarctic issues as was the development of the Colombian first scientific expedition to the white continent, in the austral summer 2014-2015.



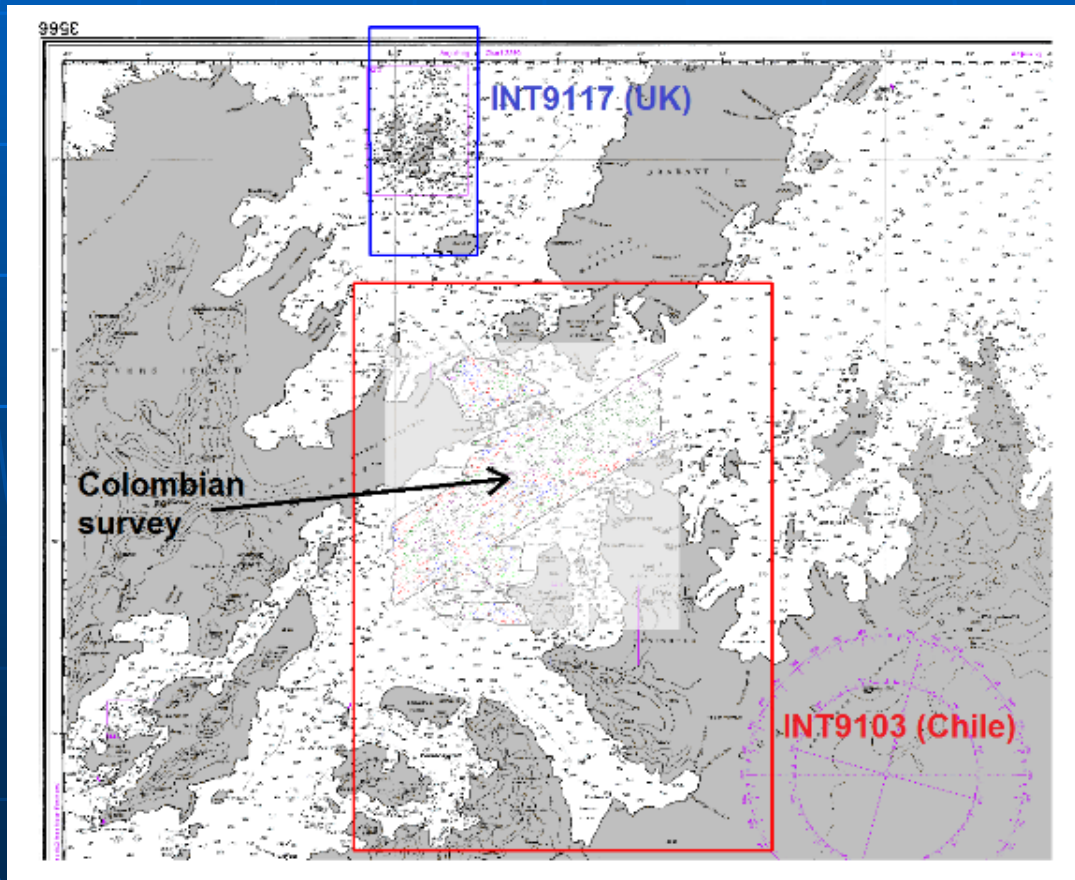
Planned Activities for 2016-17

The Maritime Authority in the III Scientific Expedition will take place in the austral summer 2016-2017, we will continue contributing to maritime safety in Antarctica through studies of interannual variability wave and sea level, analysis of oceanographic and meteorological conditions Gerlache Strait and the acquisition of hydrographic information that will provide security in navigation.



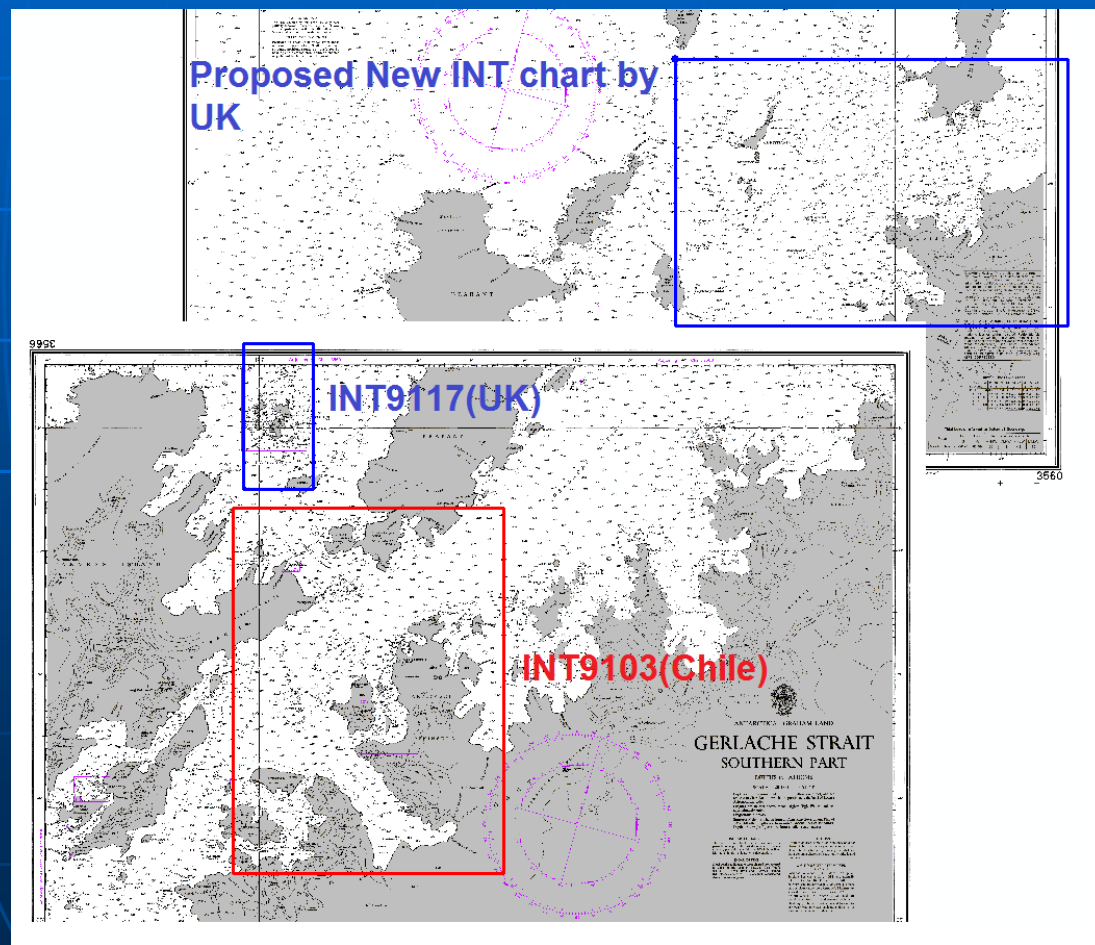
Planned Activities for 2016-17

CO is considering with UK and CL about surveys tasks áreas to cover.



Planned Activities for 2016-17

CO is considering with UK and CL about surveys tasks áreas to cover.





CIOH

NATIONAL HYDROGRAPHIC OFFICE OF COLOMBIA

