



IHO Hydrographic Commission on Antarctica (HCA)

National Report by **Colombia**



International Hydrographic Organization
Organisation Hydrographique Internationale

HCA-15, Niteroi, Brazil, 26 – 28 June 2018

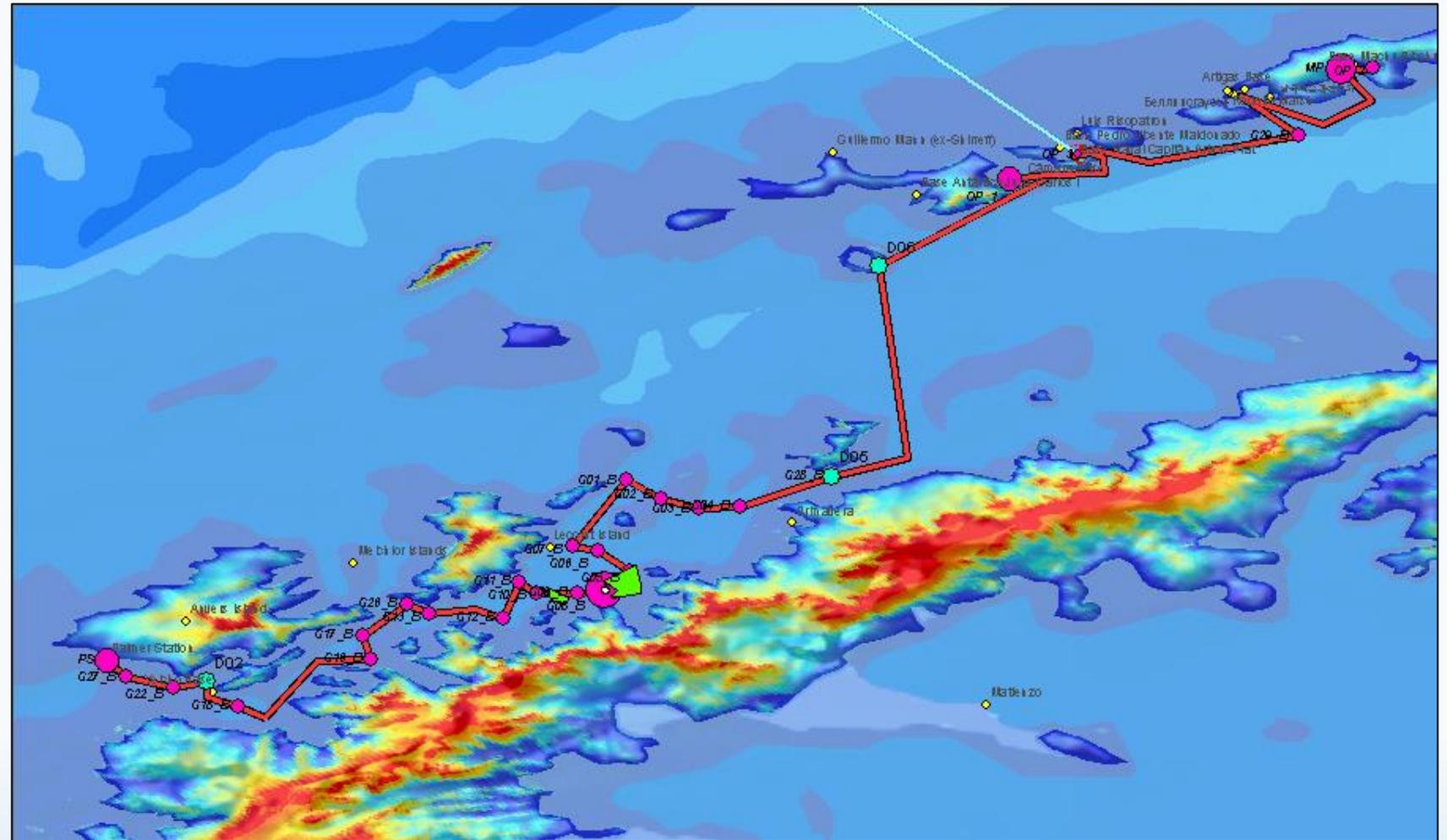
Survey and charting progress in Antarctica since HCA-14 (June 2016)

IV Colombian Antarctic Expedition 2018 – 2019

Gerlache Strait

15 December 2017 –
15 March 2018

12 Research projects



Survey and charting progress in Antarctica since HCA-14 (June 2016)

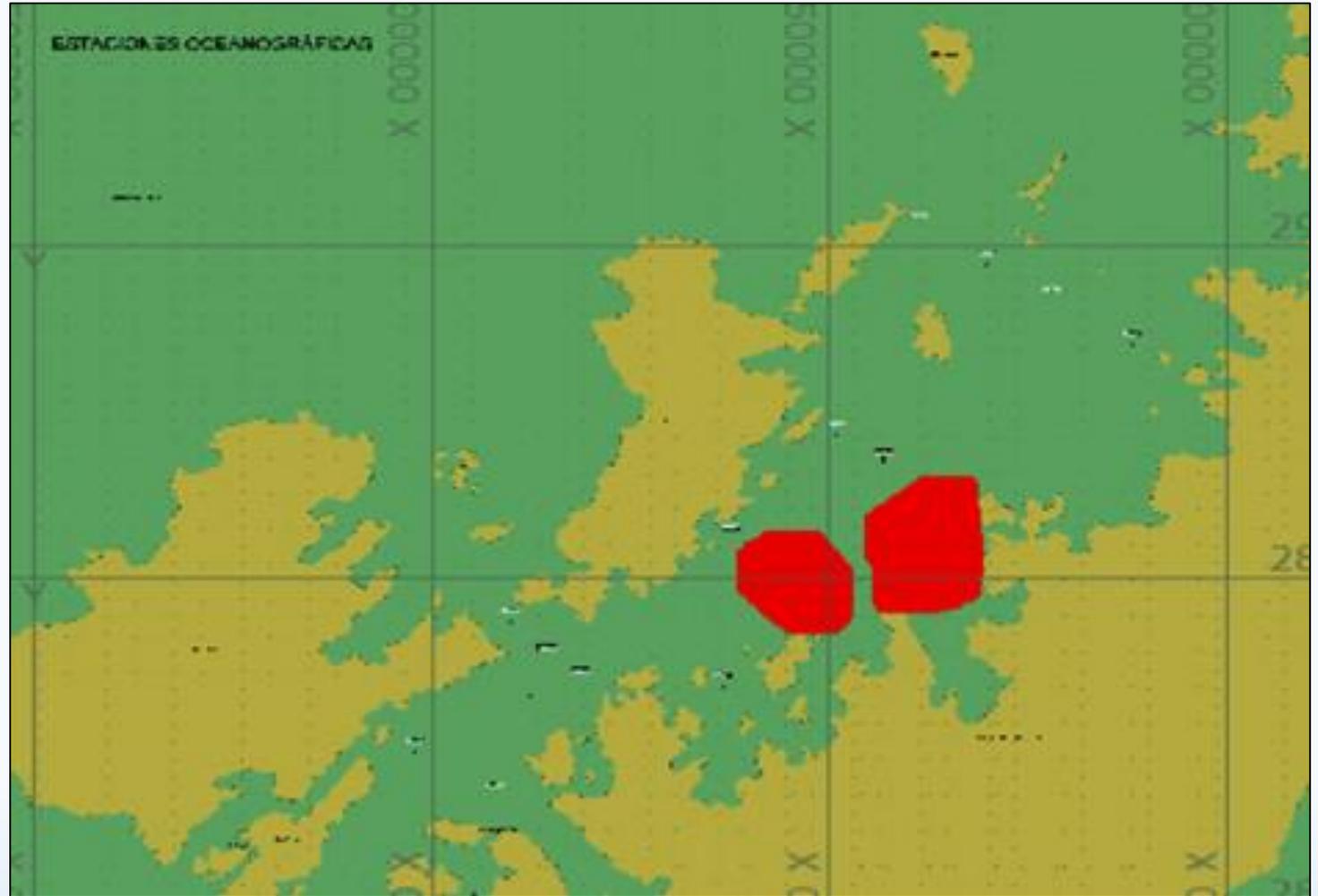
Hydrographic survey

Isla Monita

Peninsula
Cap. Reclus

~30 Km²

INT 9166 (UKHO)



Survey and charting progress in Antarctica since HCA-14 (June 2016)

Hydrographic
survey

Isla Monita

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Cap. Reclus

~30 Km²

INT 9166 (UKHO)

The screenshot shows the IHO Chart Catalogue interface. On the left, a search panel is active with the following details for chart 9166: Nation Title, Nation Chart No, Inclusion Year, Publication Year, New Edition Year, Producers, Chart Date Year, Printer Nation, Print Chart No, Print format (A0), Frame Dimensions, Scale (50000), INT Area (M), Producing Status (Scheded), Record Update Date (3.0.5 Jun. 2018), and Region Version. Below the search panel, a 'CHART List' shows two items: 9157:Gerlache Strait and 9166:Wilhelmina Bay. The main map area displays a satellite view of the Antarctic region with a yellow rectangular overlay indicating the location of chart 9166. The interface includes a top navigation bar with 'CHART SEARCH', 'CHART LAYER', and 'BASE MAP' options, and a right-hand sidebar for map settings.

<http://chart.iho.int:8080/iho/main.do>



Status of Relations with Other Organizations

Dimar – CIOH have permanent excellent relationships (Hydrography matters) with:

- INOCAR (Ecuador) – Joint hydrographic survey 2017-2018
- SHOA (Chile) – Coordination and assistance hydrographic survey 2017 - 2018.
- DHN (Perú) – Possibility of joint hydrographic survey 2018 – 2019 (BAP “Carrasco”).
- Antarctic Institute of Uruguay (MoU 2018) – We are advancing in enable Colombian module on board Artigas Base.
- INNOVA foundation (EU) – Hydrographic USV for Antarctic calm waters.

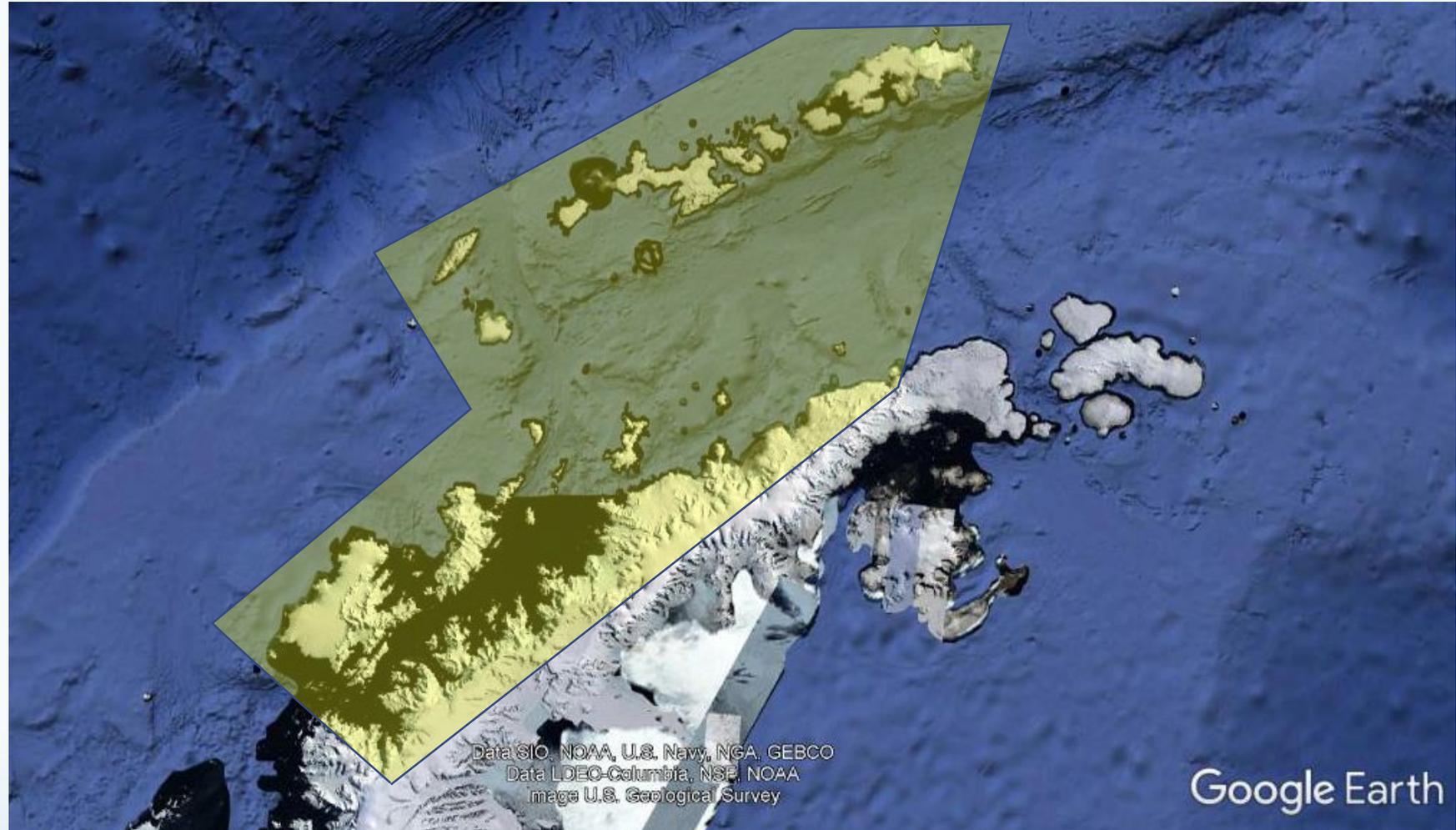


Planned Activities for 2018-19

Hydrographic Survey 2018 - 2019

We are confirming
areas for conduct
hydrographic
surveys.

MBE survey



Marine Spatial Data Infrastructure

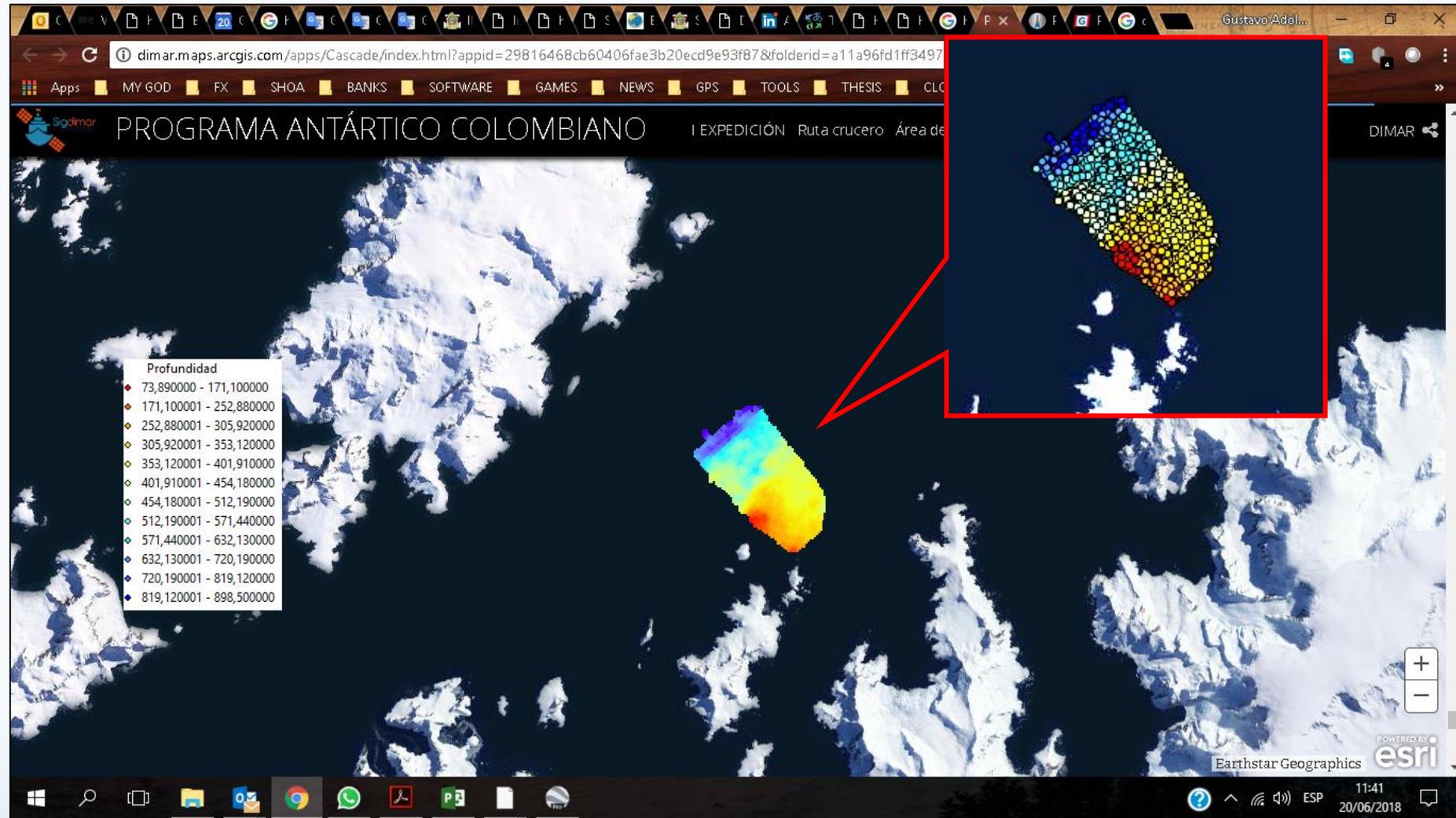
MSDI

SIG Dimar

**Colombian
Antarctic
Program**

PAC

Monita Island (2018)



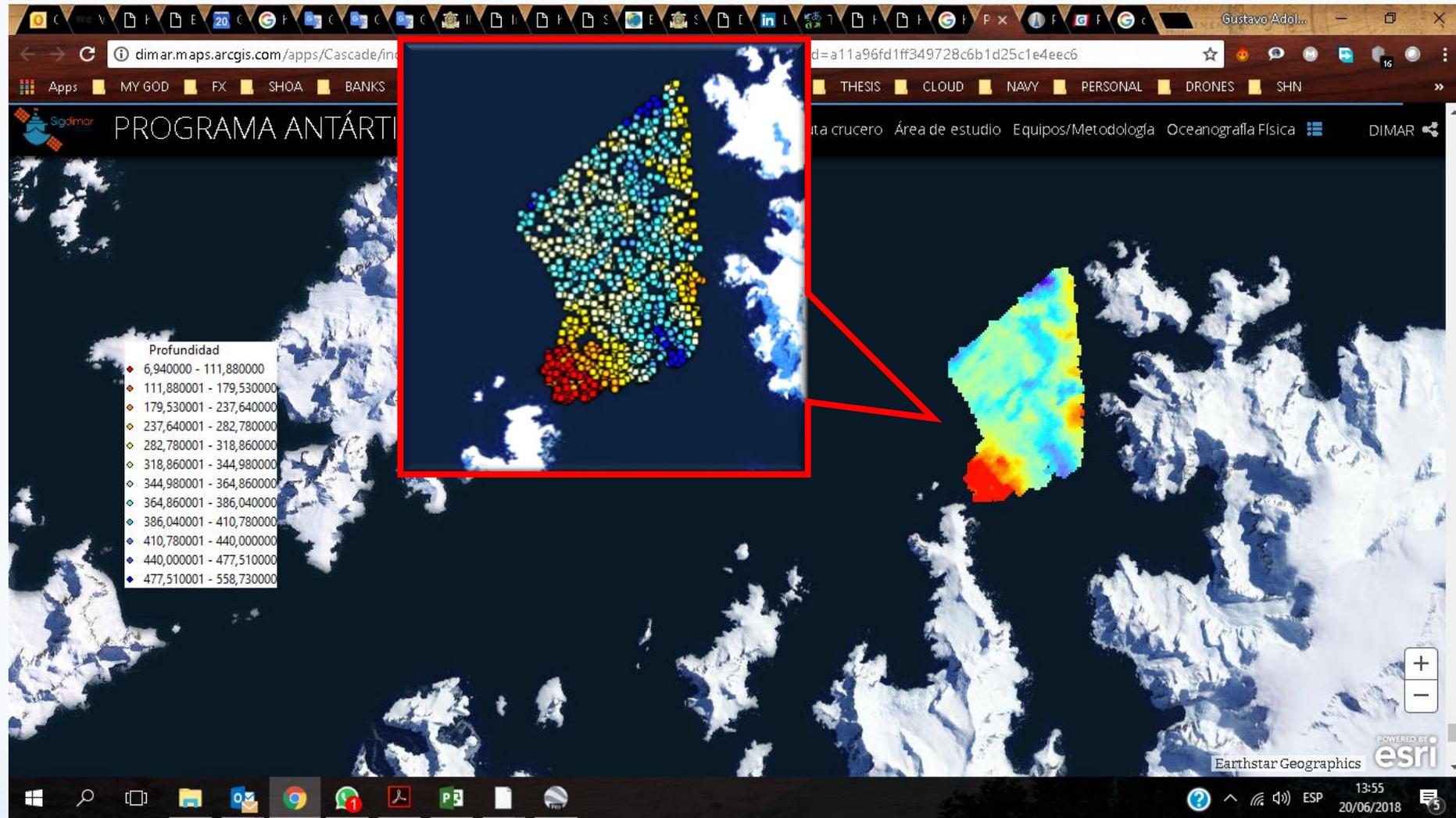
Marine Spatial Data Infrastructure

MSDI - SIG Dimar

Colombian
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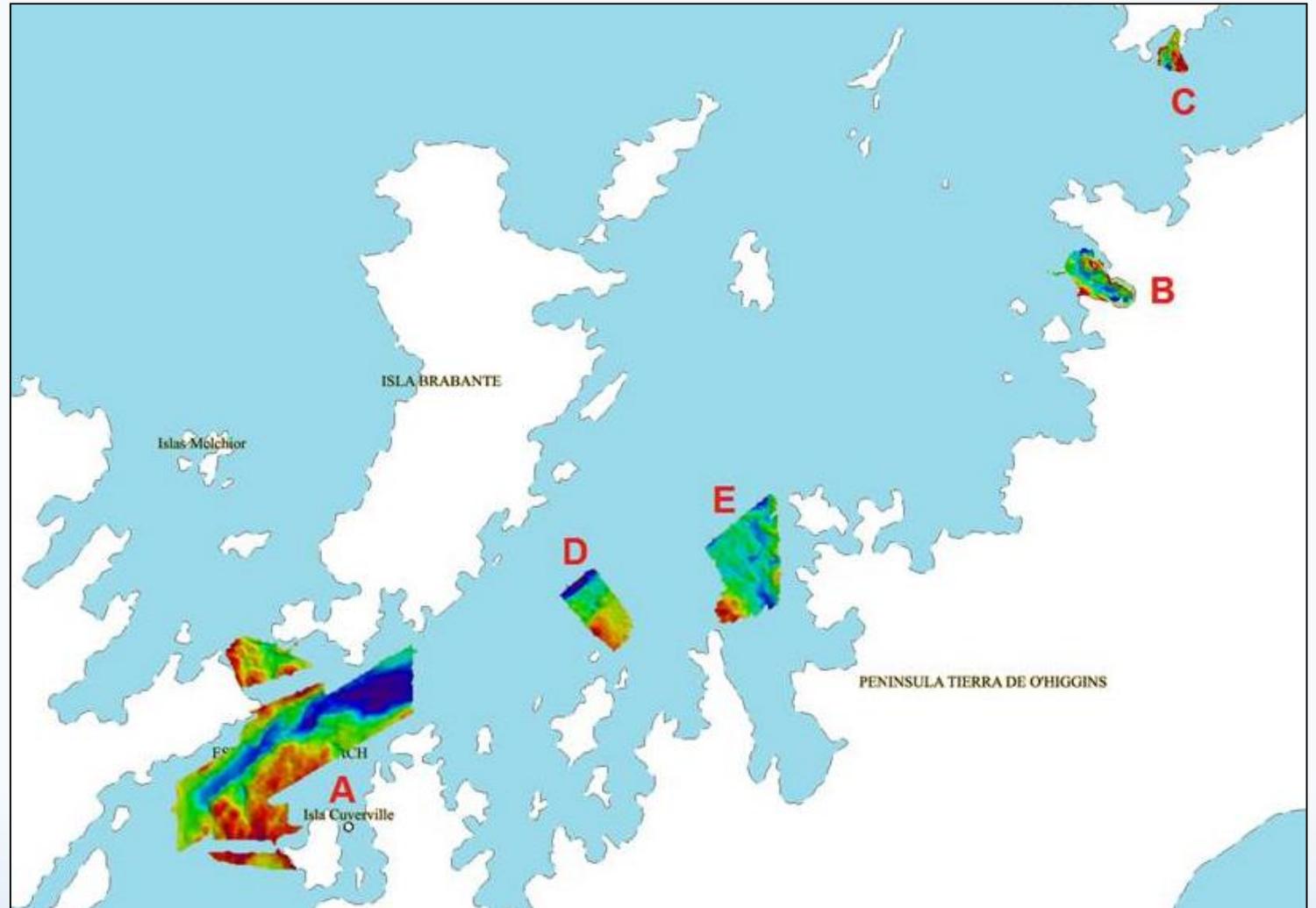
Cap. Reclus
Peninsula (2018)



Particular Issues that may require HCA Consideration

Since 2015 3 COL expeditions

- A. Estrecho de Gerlache - 2015
- B. Bahía Cierva Cove - 2017
- C. Isla Trinidad – Puerto Mikkelsen – 2017
- D. Isla Munita - 2018
- E. Península Cap Reclus - 2018



Particular Issues that may require HCA Consideration

**Since 2015
3 COL expeditions**

**Full Vision Simulator
Antarctic Scenarios**

Crew members training

And

Possibility of regional training

Cierva Cove (2017)



Particular Issues that may require HCA Consideration

**Since 2015
3 COL expeditions**

**Full Vision Simulator
Antarctic Scenarios**

Crew members training

And

Possibility of regional training

Puerto Mikkelsen (2017)



Particular Issues that may require HCA Consideration

New Support Vessel

Logistic Support to build the Colombian facility in Artigas Base (URUGUAY).

Probably 1st participation in the Antarctic expedition 2019 – 2020.



Particular Issues that may require HCA Consideration

New Support Vessel

Baptism ceremony
Name: ARC "Caribe"
14th June 2018

Naval Base
Cartagena de Indias
Colombia

Now the ship is in preparation to
flight deck installation





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Gracias



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