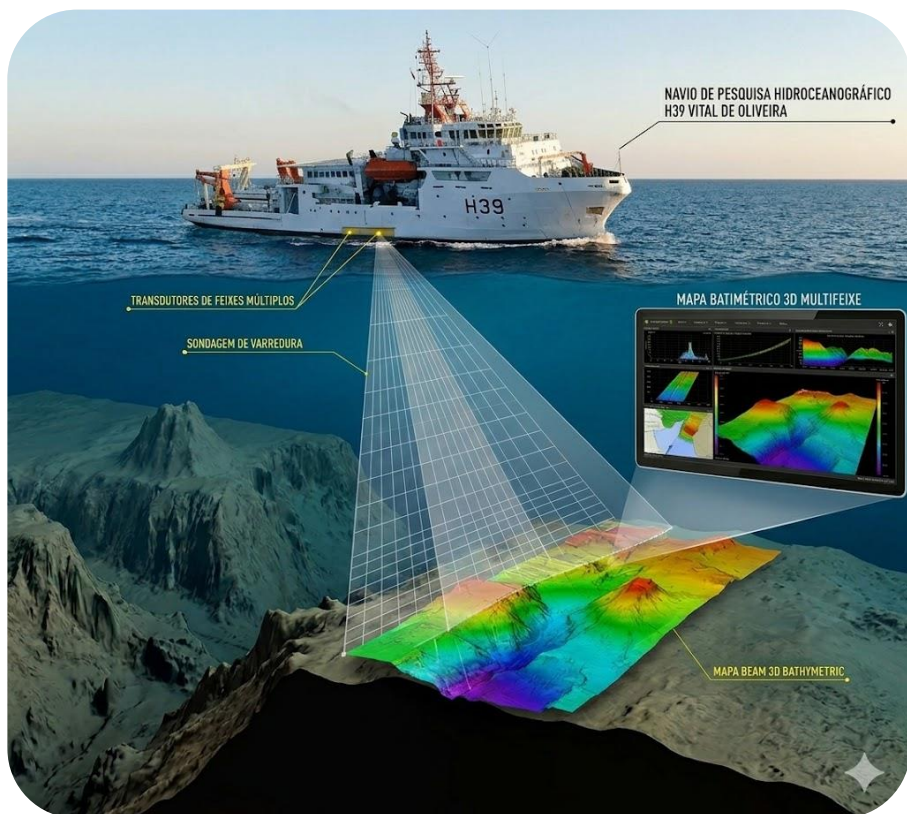




VISÃO DE FUTURO DA PREVISÃO OCEÂNICA NO BRASIL



Contribuições para o planejamento futuro no âmbito do CHM

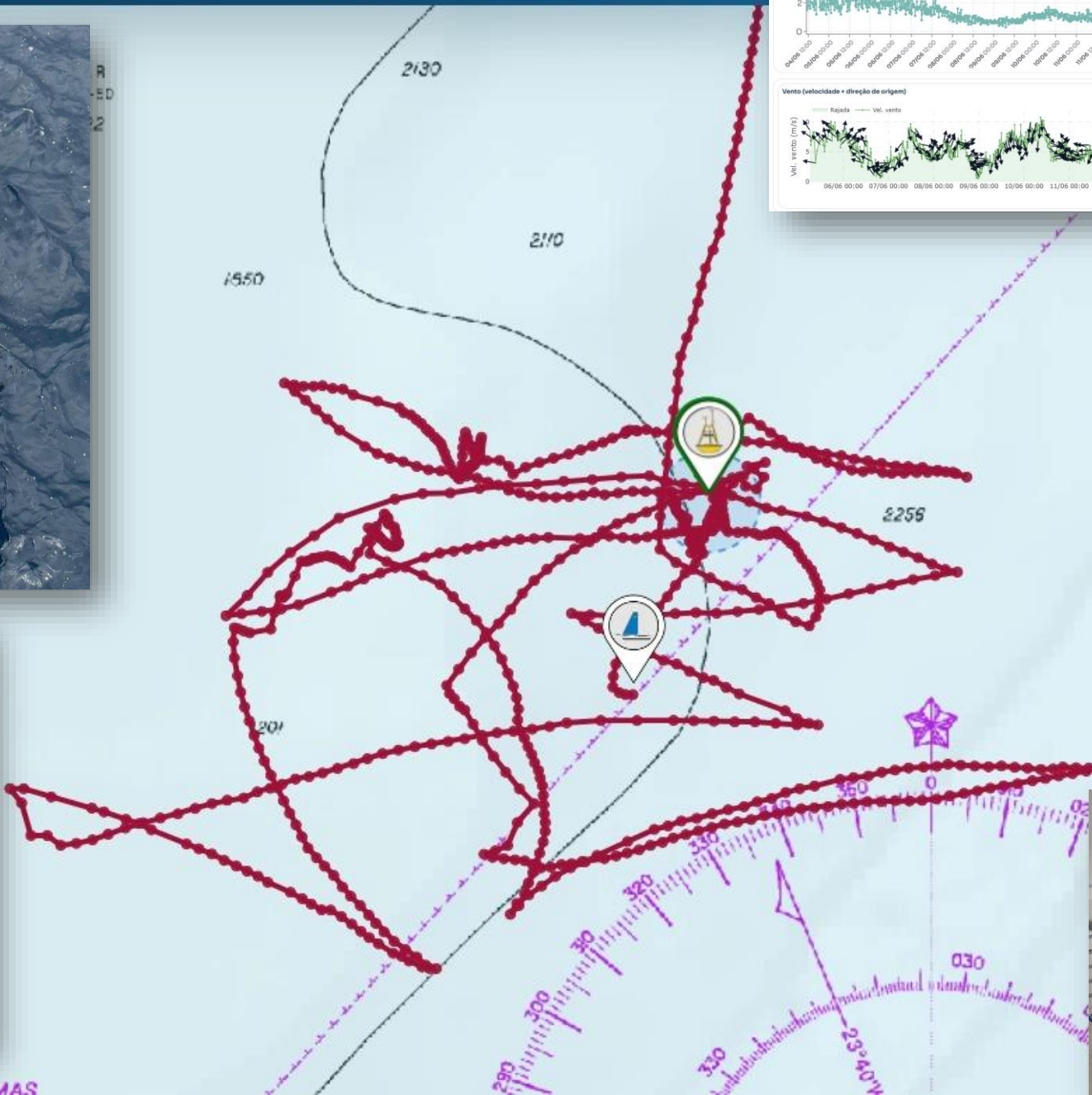
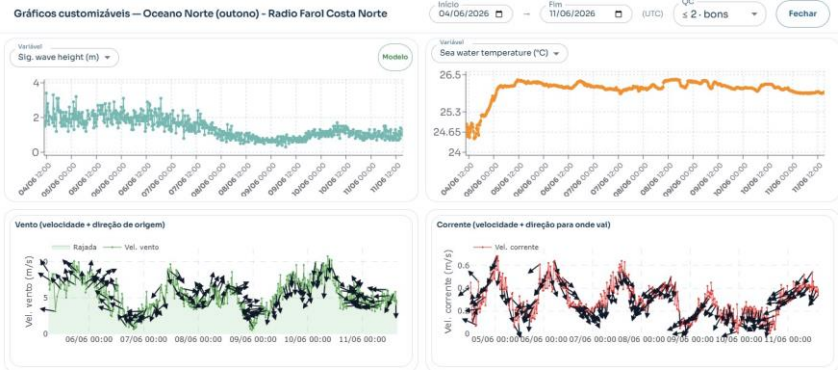
CMG Alexandre Fonseca de Azeredo

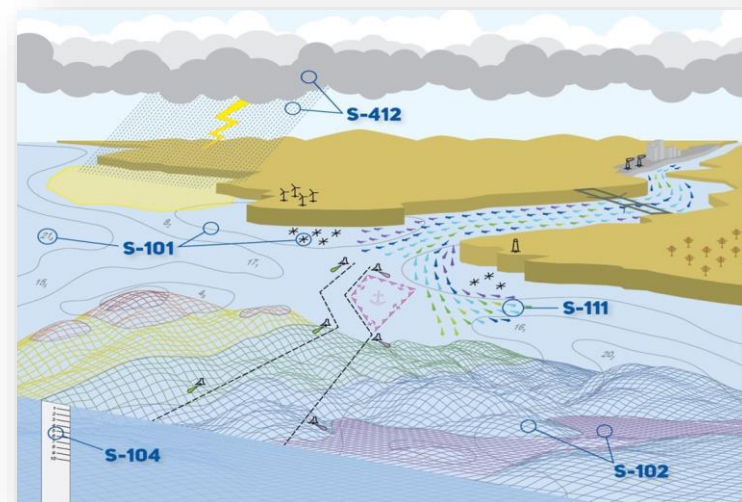
Diretor do Centro de Hidrografia da Marinha



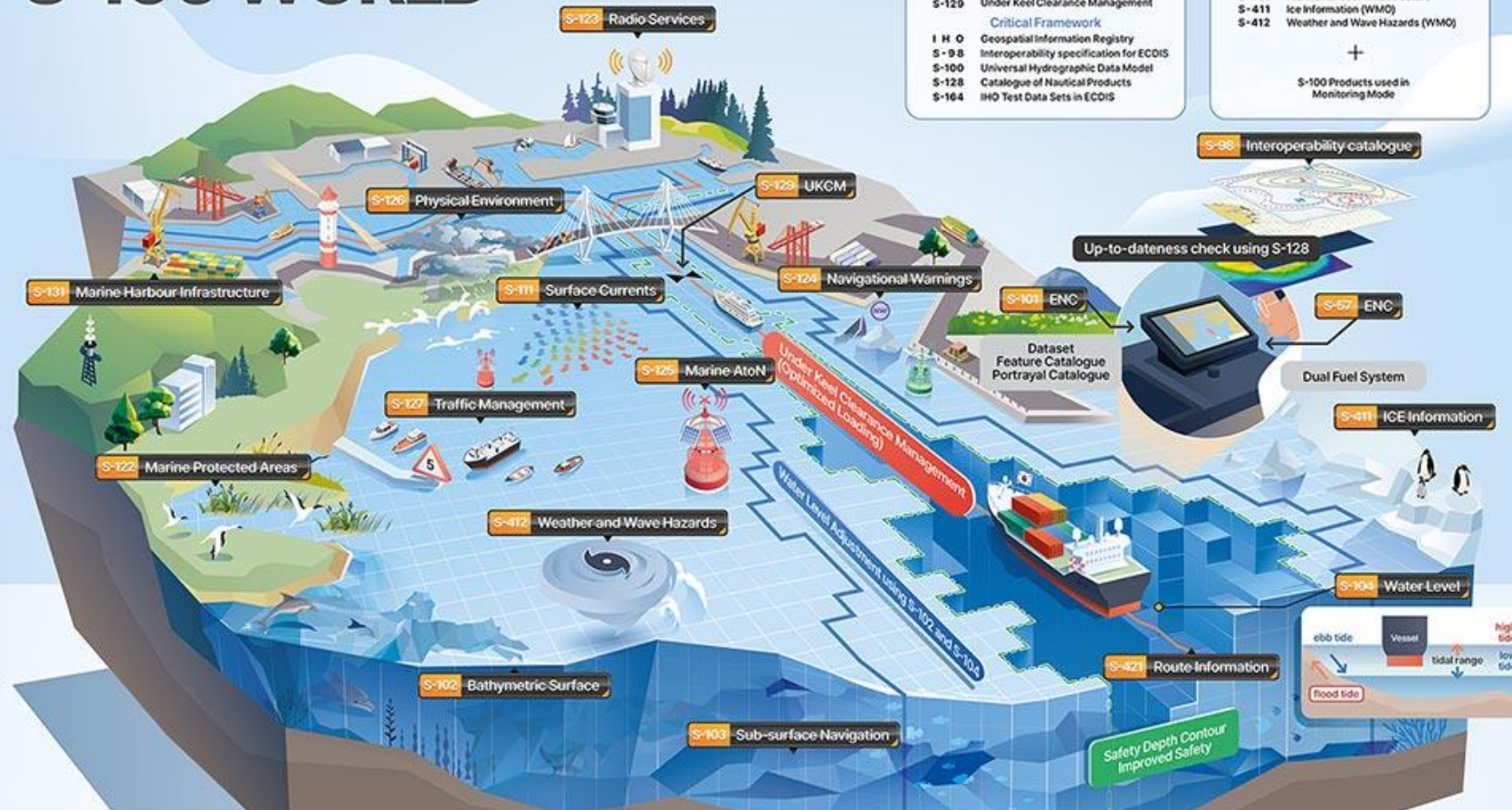
REMO Observacional

Uma iniciativa brasileira em oceanografia operacional





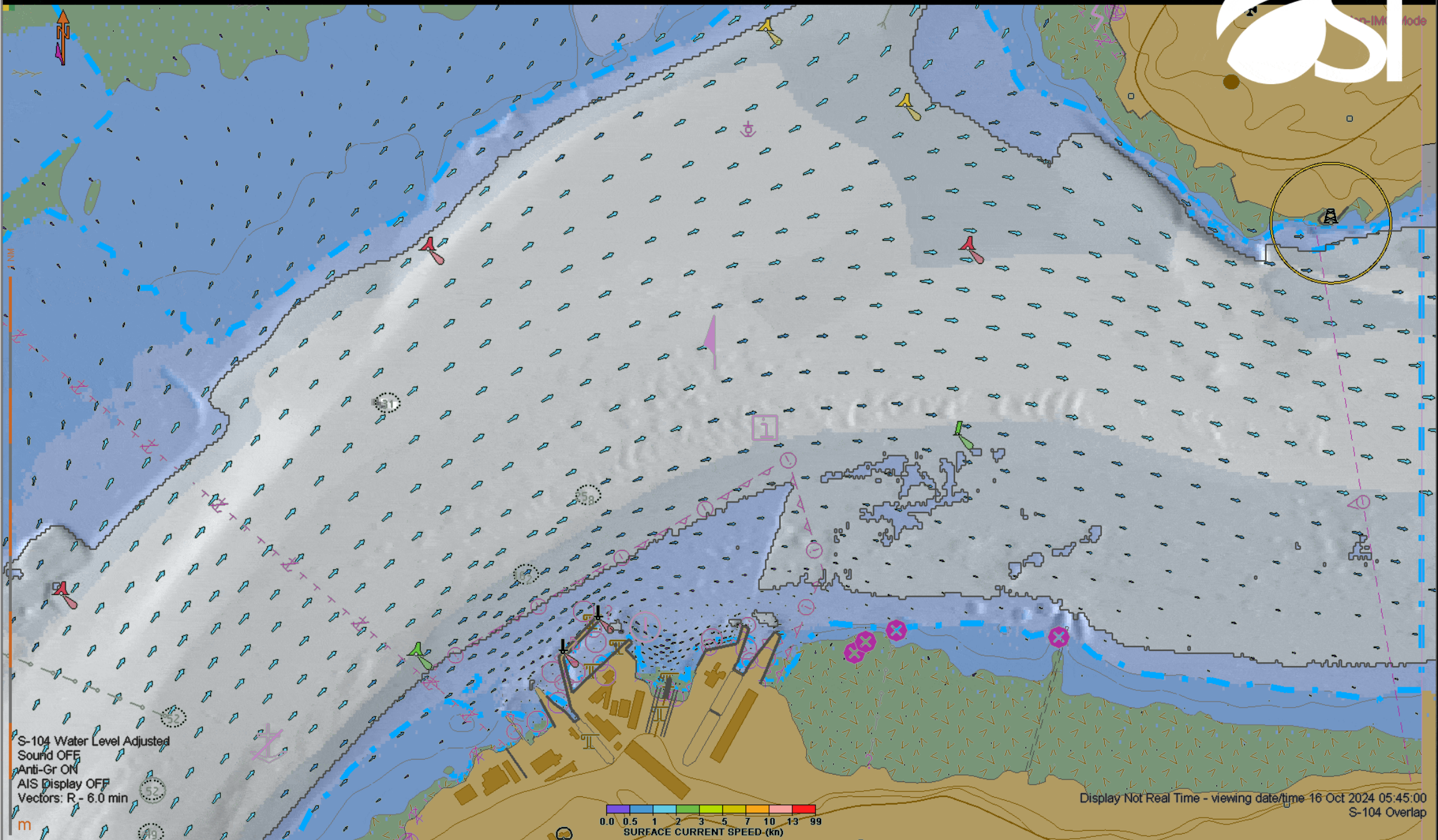
S-100 WORLD



- Phase 1**
- Route Monitoring**
- S-101 Electronic Navigational Chart
 - S-102 Bathymetric Surface
 - S-104 Water Level for Surface Navigation
 - S-111 Surface Currents
 - S-124 Navigational Warnings
 - S-129 Under Keel Clearance Management
- Critical Framework**
- IHO Geospatial Information Registry
 - S-98 Interoperability specification for ECDIS
 - S-100 Universal Hydrographic Data Model
 - S-128 Catalogue of Nautical Products
 - S-164 IHO Test Data Sets in ECDIS

- Phase 2**
- Route Planning**
- S-122 Marine Protected Areas
 - S-123 Marine Radio Services
 - S-125 Marine Aids to Navigation
 - S-126 Marine Physical Environment
 - S-127 Marine Traffic Management
 - S-131 Marine Harbour Infrastructure
 - S-411 Ice Information (WMO)
 - S-412 Weather and Wave Hazards (WMO)
- S-100 Products used in Monitoring Mode**

S-97	Guidelines for Creating S-100 Product Specifications	S-98	Data Product Interoperability in S-100 Navigational System	S-99	Operational Procedures for the Organization and Management of the IHO GI registry	S-100	IHO Universal Hydrographic Data Model	S-164	Test Data Set for S-100 and ECDIS Type Approval	S-101 to S-199	International Hydrographic Organization (IHO)
S-201 to S-299	International Association of Marine Aids to Navigation and Lighthouse (IALA)	S-301 to S-399	Intergovernmental Oceanographic Commission (IOC)	S-401 to S-402	Inland ENC Harmonization Group (IEHG)	S-411 to S-414	WMO Service Commission (SERCOM)	S-421 to S-430	International Electrotechnical Commission - TC80 (IEC-TC80)	S-501 to S-525	NATO Geospatial Maritime Working Group (GMWG) for Additional Military Layers (AML)



S-104 Water Level Adjusted
Sound OFF
Anti-Gr ON
AIS Display OFF
Vectors: R - 6.0 min

0.0 0.5 1 2 3 5 7 10 13 99
SURFACE CURRENT SPEED (kn)

Display Not Real Time - viewing date/time 16 Oct 2024 05:45:00
S-104 Overlap

AMAZÔNIA AZUL

NOSSO MAR, NOSSA RIQUEZA, NOSSA SOBERANIA

A Amazônia Azul é o espaço marítimo sob jurisdição brasileira, uma área de riquezas ambientais, econômicas, científicas e estratégicas fundamental para o desenvolvimento do Brasil.



**5,7 MILHÕES
de km²***

de área marítima sob
jurisdição brasileira

*área aproximada, podendo
ultrapassar esse valor.

MAR TERRITORIAL
12 MN

ZONA CONTÍGUA
24 MN

ZONA ECONÔMICA
EXCLUSIVA
200 MN

PLATAFORMA CONTINENTAL
ALÉM DAS 200 MN
(extensão pleiteada)

-  Petróleo e Gás
-  Biodiversidade Marinha
-  Pesca e Aquicultura
-  Pesquisa e Inovação
-  Energia Renovável
-  Transporte Marítimo
-  Cabos Submarinos
-  Defesa e Soberania
-  Preservação Ambiental



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OBRIGADO!