

# 22<sup>nd</sup> Conference of the Meso American - Caribbean Sea Hydrographic Commission

## National Report by Brazil

Directorate of Hydrography and Navigation  
Brazilian Navy



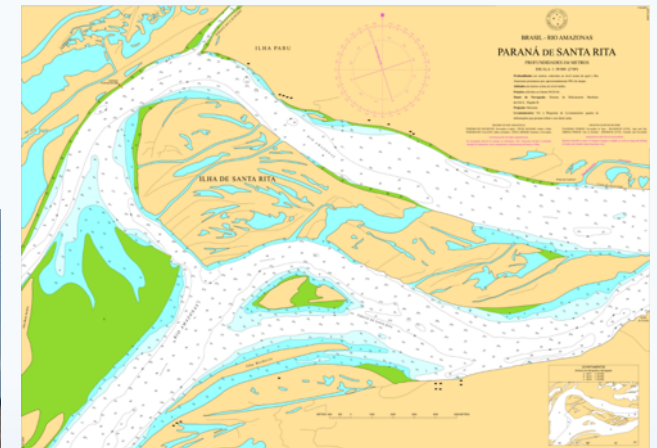
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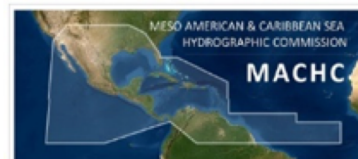
# Top Achievements during the year

- Beginning of post-processing of hydrographic survey data and of production of nautical charts on paper by Regional Hydrographic Branches in the Amazon basin (Belém and Manaus):
  - 320 - Porto de Belém
  - 4023A - Paran de Santa Rita
- Production of 2 new editions of Nautical Paper Charts, 9 new editions of ENCs and Update of the Catalog of Nautical Products.



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# Top Achievements during the year

Training of cartographers and technicians in cartography and geodesy through the Category “B” Course in Nautical Cartography (IHO Publication S-8B), from October 2021



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# Top Achievements during the year

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Launch of the Navigation Simulator in July 2021, that will improve the training of hydrographers, nautical cartographers and crews of Polar ships.



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# Top Challenges and/or Obstructions

- Training activities and work capacity were greatly affected, given the circumstances of the COVID-19 pandemic, without affecting the main activities.
- The design of the project outline and the establishment and coordination of a multidisciplinary team to develop the project.

The screenshot displays the IDEM-DHN website interface. At the top, there is a search bar and navigation options. Below this, a 'Navegar por Tópicos' section offers categories like 'Mapas de base, Coberturas', 'Informação geocientífica', 'Altimetria, Batimetria', 'Limites Administrativos', 'Transporte', and 'Climatologia, Atmosfera'. A 'Procurar recursos' button is also present. The main content area features a grid of map thumbnails, including 'Carta Náutica Raster 1:5.600.000 - Costa...', 'Fisiografia da Margem Brasileira', 'Limites Jurisdicionais e Linhas de base', 'Cartas de Pressão ao Nível do Mar', 'Aviso aos Navegantes', and 'Carta Náutica Raster 1:3500000 - Costa...'. A 'Visão geral' section on the right shows a large map of Brazil with a red outline indicating maritime limits. Below this, a smaller map titled 'LIMITES MARÍTIMOS' shows a cross-section of the ocean floor with labels for 'Fondos', 'Talude', 'Plata de Talude', 'Elevação Costeira', and 'Plata de Abaix'. The bottom of the screenshot shows a large map of South America with a search bar and social media links.



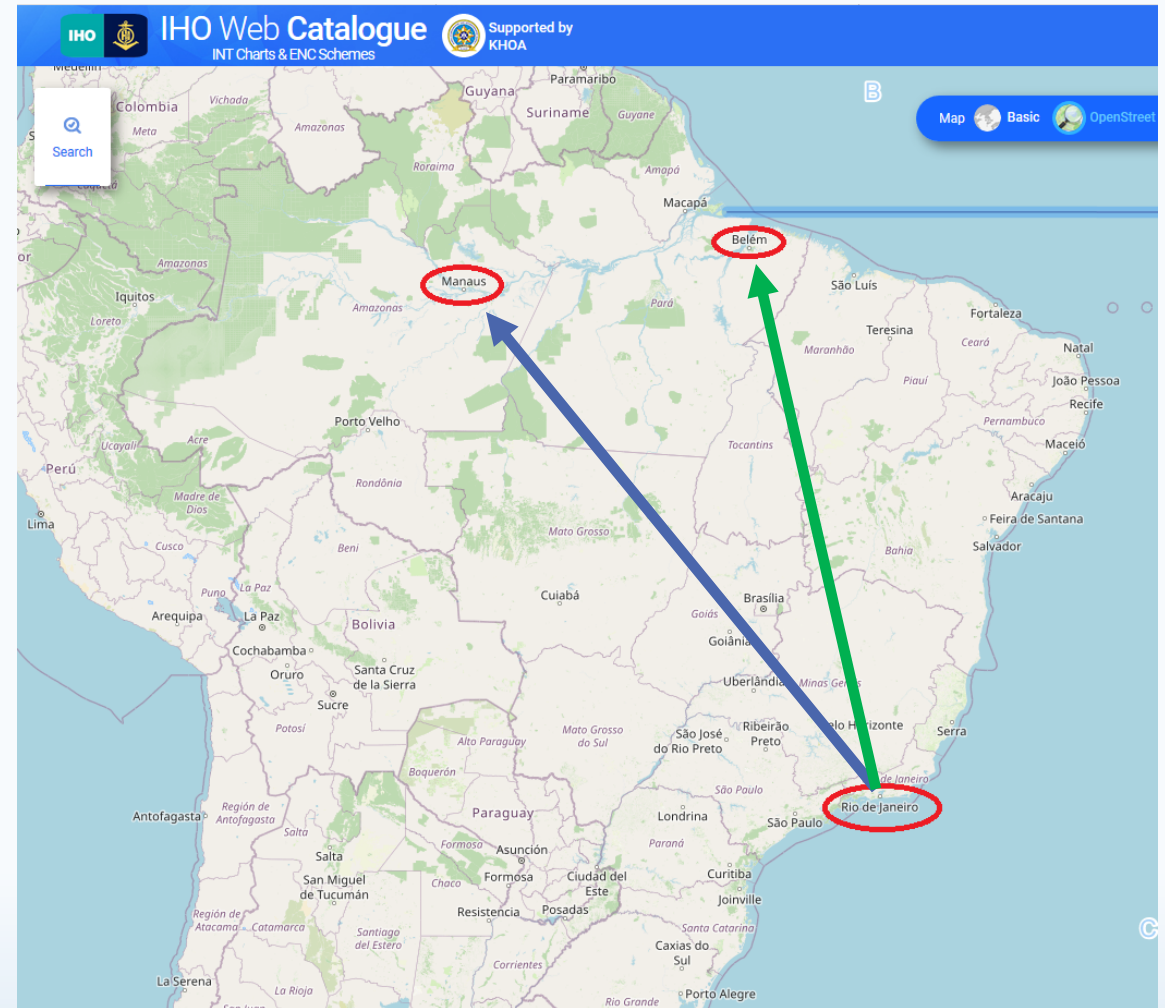
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# Top Plans that affect the region

- Opening of remote trainings program in 2022, which will increase the training of the personal of the Regional Hydrographic Branches in the Amazon basin (Belém and Manaus).
- Insertion of significant amount of marine data and information into the MSDI Geoportal by the end of 2022.
- Migration of features from the cartographic database in S-57 format to database under test in S-100 format.



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