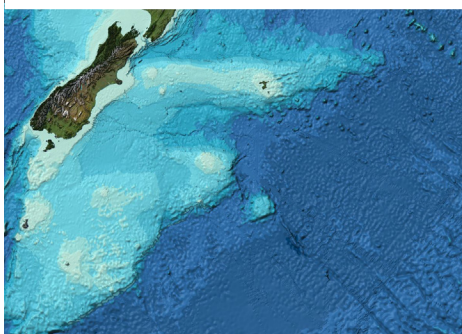
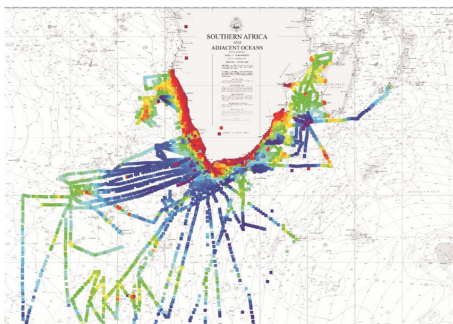
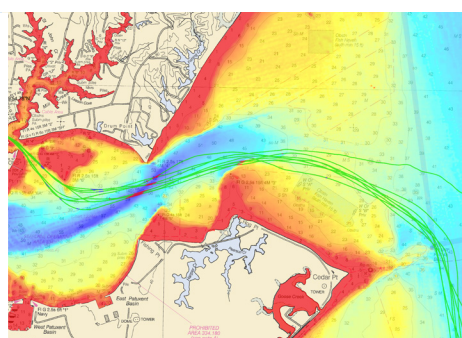
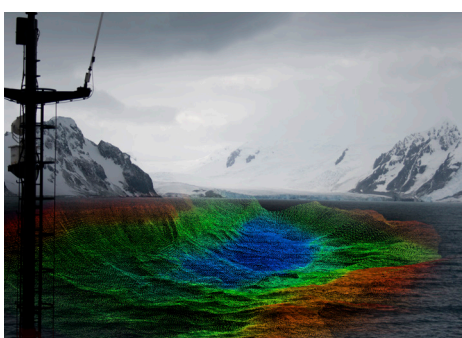


MAPPING THE PHYSICS AND FEATURES OF THE OCEAN





MAPPING THE PHYSICS AND FEATURES OF THE OCEAN

ABOUT THE INTERNATIONAL HYDROGRAPHIC ORGANIZATION

The IHO is an intergovernmental organization which works to ensure all the physics and features of the oceans are measured and charted. This includes sea level, topography of the seabed (mountains, volcanoes, ravines...), bathymetry (depth) currents, etc...

This information supports all marine activities including navigation, scientific research, environmental protection, and the development of the Blue Economy.

With 99 Member States across five continents, the IHO sets standards and coordinates activities of national hydrographic offices so that all oceans, coastal areas, lakes and rivers are surveyed and charted. It was established in 1921.

Information related to the topography of the seabed or the strength and regularity of currents can be used to develop marine renewable energy projects. Environmental factors such as temperature, salinity, and currents can help optimize fishing and aquaculture activities. Plus, the marine environment is changing. In some parts of the world sea level is rising, ice is melting, coasts are eroding etc.

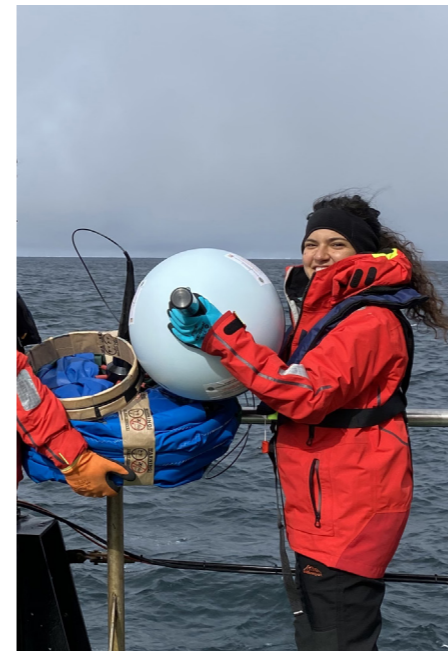


Hydrography provides baseline data to measure and monitor these changes.

WE STILL KNOW VERY LITTLE ABOUT THE OCEAN

In the areas within 200 miles of the coast, it is estimated only 50% have been surveyed to modern standards. Of the open ocean, only 24,9% is fully known.

In some cases, more information exists, but is not publicly available. The IHO fosters international cooperation



and data sharing and aims to enhance national efforts. It also provides a forum for states to come together and discuss important issues.

MAPPING THE WORLD'S OCEANS

The IHO works to increase knowledge of the oceans across the globe.

It manages the General Bathymetric Chart of the Oceans (GEBCO) mapping programme together with IOC UNESCO, and its Nippon Foundation GEBCO Seabed 2030 project which aims to have a complete map of the ocean by 2030.

With the support of NOAA, it hosts the IHO Data Center for Digital Bathymetry (IHO DCDB) which centralises ocean data and makes it publicly available.

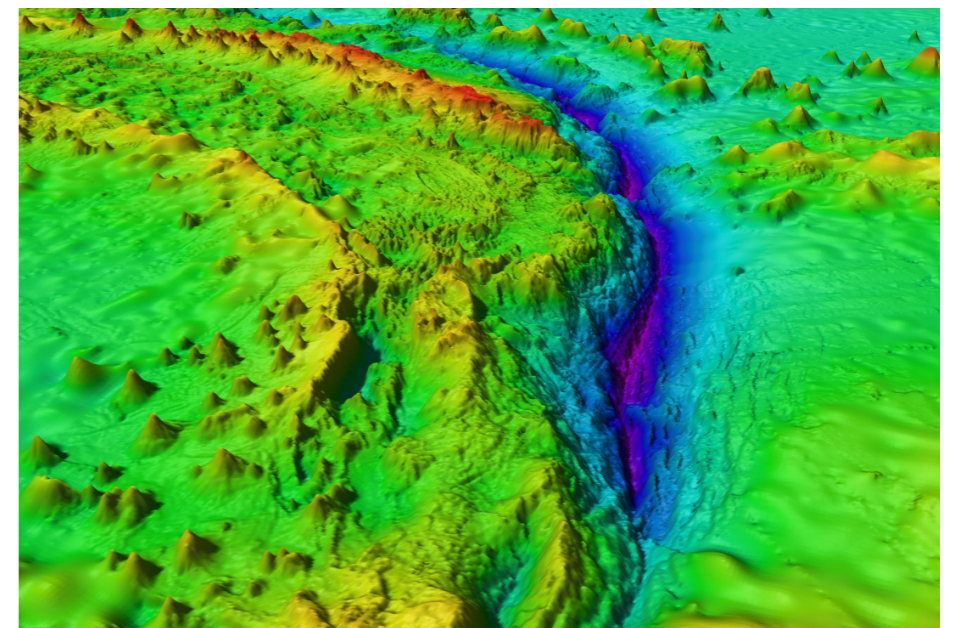


SETTING THE STANDARDS

The IHO helps coordinate the activities of national hydrographic offices and sets standards in order to promote uniformity in nautical charts and publications.

BUILDING CAPACITY AROUND THE WORLD

The IHO coordinates education and training courses on hydrography and cartography to enable coastal states to sustainably manage their marine environment.





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