# SEABED 2030 PROJECT

A global Citizen Science Initiative to map the world's oceans by 2030.

**As part of the effort to map the world's oceans by 2030, The International SeaKeepers Society has partnered with The Nippon Foundation GEBCO Seabed 2030 Project. This project will engage vessels to relay information collected from specially designed hardware data loggers to collect bathymetric data. These data loggers are easily installed or integrated into vessel systems.**

The Nippon Foundation - GEBCO Seabed 2030 Project is a collaborative effort between The Nippon Foundation and the General Bathymetric Chart of the Oceans (GEBCO). Launched at the United Nations Ocean Conference in 2017, the project coordinates and oversees the sourcing and compilation of bathymetric data through its five data centers into the freely-available GEBCO Grid, to produce the definitive map of the world ocean floor.

Seabed 2030 is aligned with the United Nation's Sustainable Development Goal #14 to conserve and sustainably use the oceans, seas and marine resources, as well as being a flagship program of the "Ocean Decade". **Learn more at www.seakeepers.org/seabed-2030/.**

## Data Impact

Crowdsourced bathymetry (CSB) is the collection of depth measurements from vessels, using standard navigation instruments, while engaged in routine maritime operations. CSB can be used to supplement the more rigorous and scientific bathymetric coverage done by hydrographic offices, industry, and researchers around the world.

This information can help identify uncharted features such as seamounts and canyons, verify charted information and help fill the spaces on charts where no data exists. Routinely measured parameters such as under keel depth and position can then be stored, uploaded, and contributed to local and global mapping initiatives. These contributions can also benefit navigational safety, detect unknown hazards, and aid other mariners and ocean scientists. **For more information about the hardware data loggers used and instructions for installation scan the QR code.**

SCAN QR CODE

**255 Aragon Avenue, Third Floor | Coral Gables, FL | WWW.SEAKEEPERS.ORG**

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THE INTERNATIONAL SEAKEEPERS SOCIETY

## Participate as a DISCOVERY Yacht

Privately-owned vessels can contribute by installing or integrating the hardware for data collection on their vessel's system and sharing depth measurements while out at sea. Yachts explore the world's oceans often in remote areas where data is difficult to obtain. These are exactly the places where provision of global seafloor mapping can have the greatest impact. **For US inquiries, contact Haley@SeaKeepers.org; for Europe inquiries, contact Gill@SeaKeepers.org; for South Pacific inquiries, contact Melissa@SeaKeepers.org; for Asia inquiries, contact Gail.Tay@SeaKeepers.org.**




Completing a DY Application to install the Seabed 2030 Data Logger aboard M/Y Pursuit.




Completing a DY Application to install the Seabed 2030 Data Logger aboard M/Y Brandi Wine.

## Data Confidentiality

Data collected by our users can remain completely anonymized if specified by the user. Our standard Yacht Devices and SeaTalk loggers store metadata, such as vessel name, that can be replaced with an identifier to protect confidentiality. Our next generation NEMO-30 loggers are wireless and can transmit data when connected to a network. The data is stripped of the header that can identify the contributing vessel before it is posted in the Data Center for Digital Bathymetry's public repository. Additionally, the data is not sent to the DCDB immediately so it cannot be traced back to the vessel in real time. These loggers also offer a "standalone" mode where connection to a network is not required and data can be sent to SeaKeepers manually.

**For further information on data confidentiality and anonymity, please contact SeaKeepers' Citizen Science Manager at Haley@SeaKeepers.org.**