

Tampa Deep Sea Xplorers

Seabed 2030 Game

October 4, 2019

Tampa Deep Sea Xplorers

Tampa Deep Sea Xplorers (TDSX) was founded in 2016 to compete in the Shell Ocean Discovery XPRIZE

An international competition to build autonomous underwater vehicles to explore and map the deep ocean.

Semi-finalists in main competition and Runner Up in NOAA Challenge



Shell Ocean Discovery XPRIZE

Challenge to map 500 km in 24 hours at a depth of 4000 meters

38 Teams from around the world

Each team submitted technical paper outlining their approach

19 Semi-finalist teams and 8 finalist teams

4 million dollar first prize, 2 million dollar second prize, 1 million dollar
NOAA Challenge



Local Competitions

TDSX Participated in over a dozen local competitions
These included SOFWERX competitions, pitch competitions, and hackathons



Tampa Bay Technology Incubator

In July of 2017, TDSX Joined the Tampa Bay Technology Incubator at University of South Florida



Tampa Hackerspace

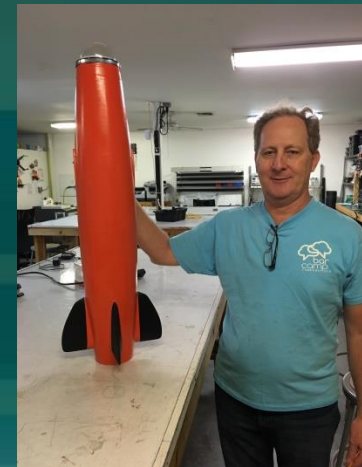
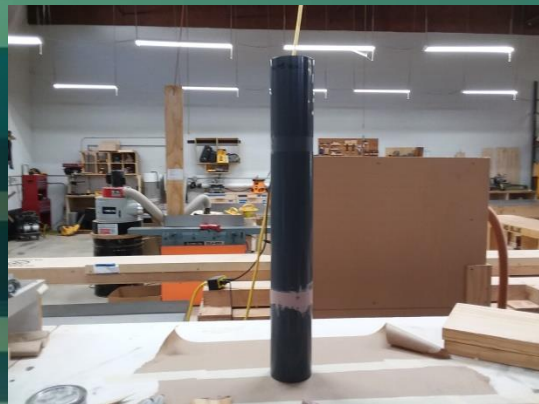
TDSX has maintained a close relationship with the Tampa Hackerspace

A non-profit organization dedicated to the maker movement.

Tampa Hackerspace has provided us with much needed workspace, tools, workshops, and training.

The Hackerspace is located south of the Tampa airport at 4931 Nassau Street

<https://www.amazon.com/photos/shared/uGZXYP0rQw2ae5xnx1B3hw.kY6T3D1LjDktmpfxTFzN6g>

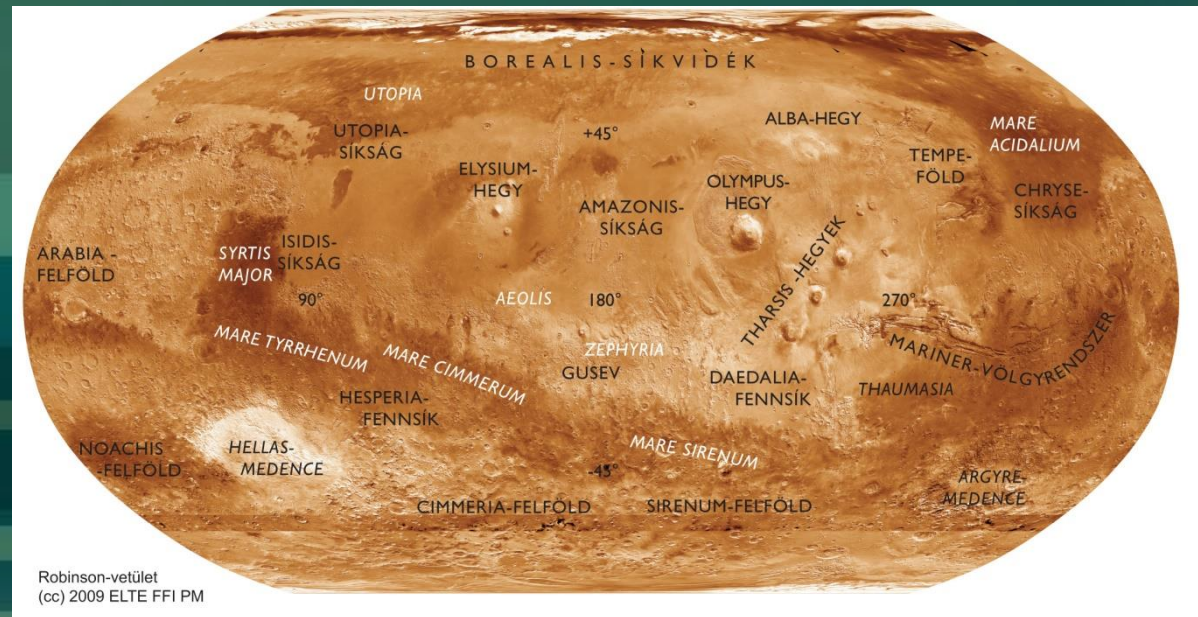


Mapping the Deep Ocean

Currently only about 16% of the deep ocean has been mapped to a resolution greater than 5km.

This means that any features smaller than 5km across are invisible on most of our maps.

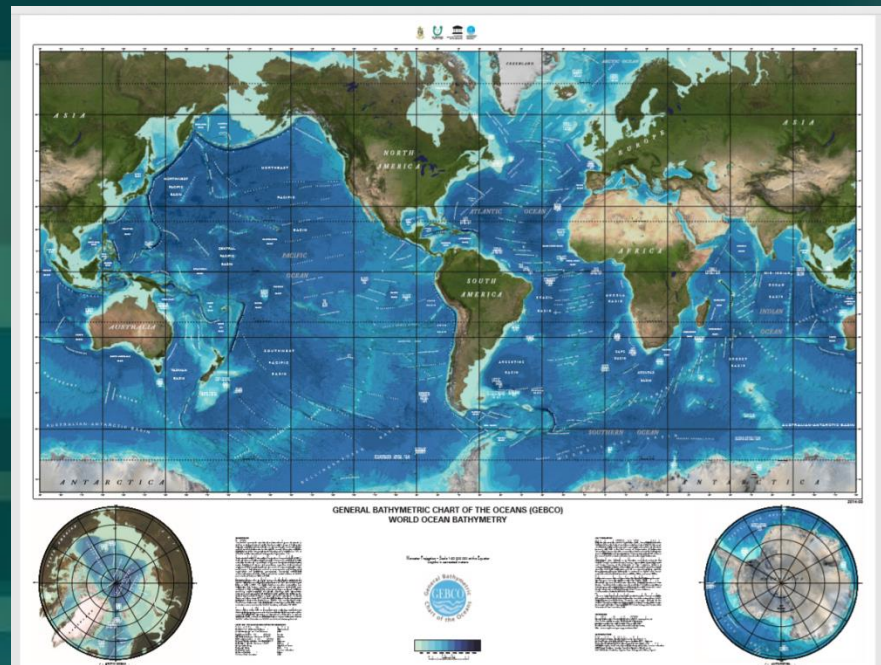
We have better maps of the Moon and Mars than we have of the deep ocean.



Seabed 2030 Initiative

In 2017 the Nippon Foundation and GEBCO announced the Seabed 2030 Initiative.

An international effort to map all of the deep ocean to a resolution of 100 meters or less by the year 2030.



Seabed 2030 Challenge Game

In support of the Seabed 2030 Initiative, TDSX has developed the Seabed 2030 Challenge Game.



Seabed 2030 Challenge Game

2 to 8 players can play

Players take turns launching their exploration expeditions to map the deep ocean and to discover hidden treasures of knowledge.



Questions?

