

Shell OCEAN DISCOVERY XPRIZE®

Incentivizing Innovation in Ocean Technology

Dr. Drew Remsen

Technical Lead

OceanDiscovery.xprize.org

The XPRIZE logo is centered at the top of the image. It features a stylized white 'X' with a curved line through it, followed by the word 'PRIZE' in a bold, white, sans-serif font. A registered trademark symbol (®) is located at the top right of the word 'PRIZE'.

XPRIZE®

The main text is centered in the middle of the image. It consists of three lines of text in a bold, yellow, sans-serif font. The background is a dark blue, abstract digital landscape with glowing lines and points, resembling a data visualization or a futuristic terrain.

**POWERFUL TOOLS
FOR SOLVING
GRAND CHALLENGES**

MEASURING LONGITUDE

A large three-masted sailing ship with white sails is shown on a dark sea under a cloudy sky. The ship is the central focus, with its sails fully deployed. In the distance, another smaller sailing ship is visible on the horizon.

A 20,000 pound prize for a simple and practical method for the precise determination of a ship's longitude.

- *Board of Longitude*

1714

AVIATION



... A prize of \$25,000 to the first aviator to cross the Atlantic in one flight, from Paris to NY or NY to Paris.

- *Raymond Orteig*

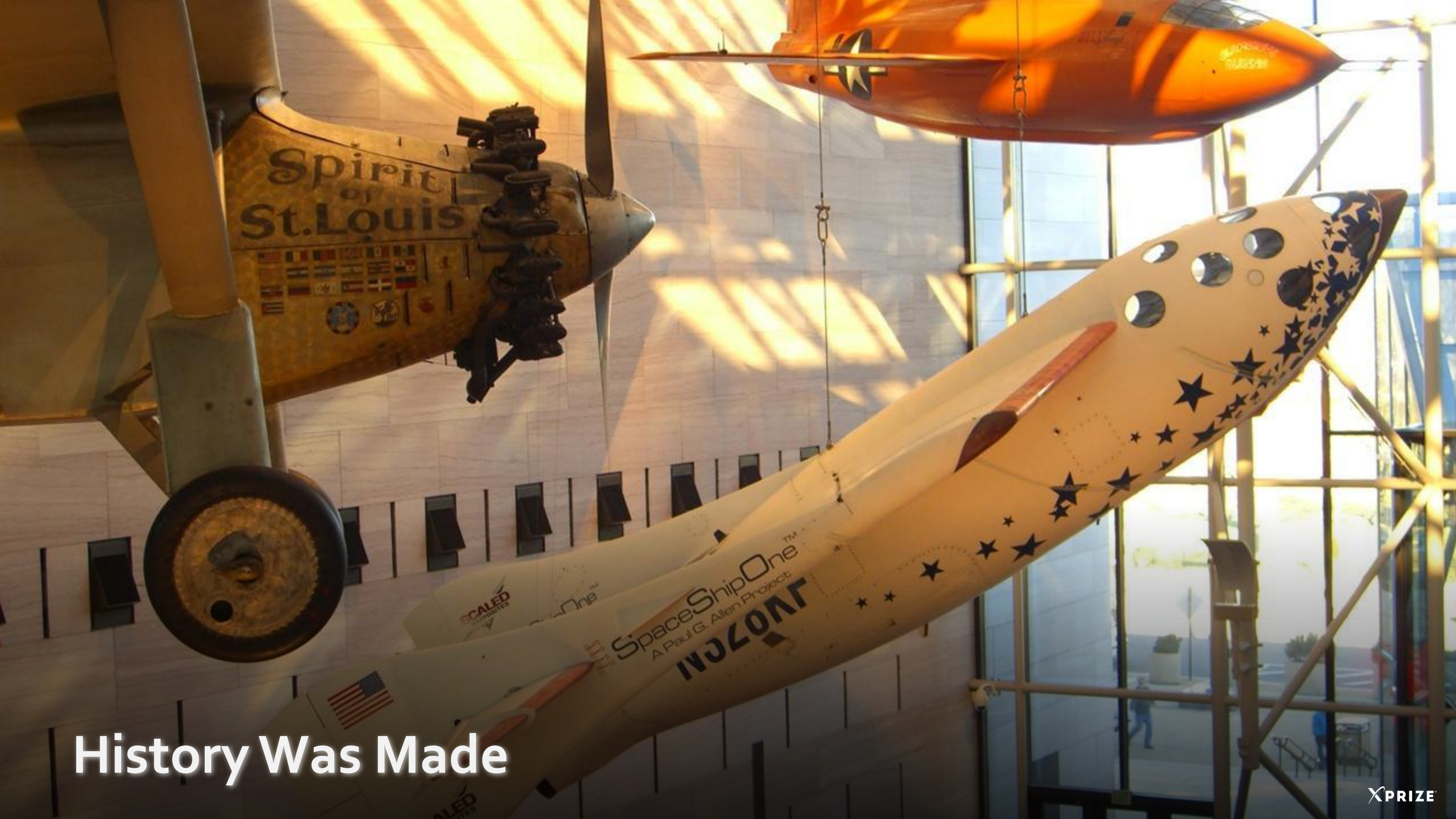
1919

IN 1996 XPRIZE OPENED UP A NEW ERA...

ANSARI  PRIZE

- \$10M prize purse
- 3 person crew
- 100 km altitude
- 2 flights within 2 weeks





History Was Made

Awarded
> \$ 70 Million

ANSARI XPRIZE

PROGRESSIVE
AUTOMOTIVE XPRIZE

NORTHROP GRUMMAN
LUNAR LANDER XCHALLENGE

WENDY SCHMIDT
OIL CLEANUP XCHALLENGE®

Google
LUNAR XPRIZE®

BARBARA BUSH FOUNDATION
ADULT LITERACY XPRIZE®
PRESENTED BY
DOLLAR GENERAL®

NOKIA
SENSING XCHALLENGE®

WENDY SCHMIDT
OCEAN HEALTH XPRIZE®

QUALCOMM
TRICORDER XPRIZE

ANU & NAVEEN JAIN
WOMEN'S SAFETY XPRIZE®

WATER
ABUNDANCE XPRIZE®
POWERED BY
TATA Australian Aid

Shell
OCEAN DISCOVERY XPRIZE®

Awarded
>\$70 Million

Active
~\$36 Million + X



Shell
OCEAN DISCOVERY **XPRIZE**[®]

Getting to the Bottom of Our Ocean

OceanDiscovery.xprize.org

PRIZE OVERVIEW

- 3-year competition, \$6 Million Prize
- Autonomously or remotely
- Transit to and from Competition Area (CA)
- Launch and recover Entry
- Collect bathymetry/imagery from 500 km² CA in 24 hours
- Return processed bathymetry to XPRIZE in 48 hours

**THERE IS A PLANET WE HAVE
YET TO UNDERSTAND. OURS.**

95% of the ocean remains unexplored.

MYSTERY

Shell
OCEAN DISCOVERY XPRIZE

Getting to the Bottom of Our Ocean.

NOAA BONUS PRIZE

- **\$1 Million**
- **Detect and track a chemical or biological signal autonomously to its source.**

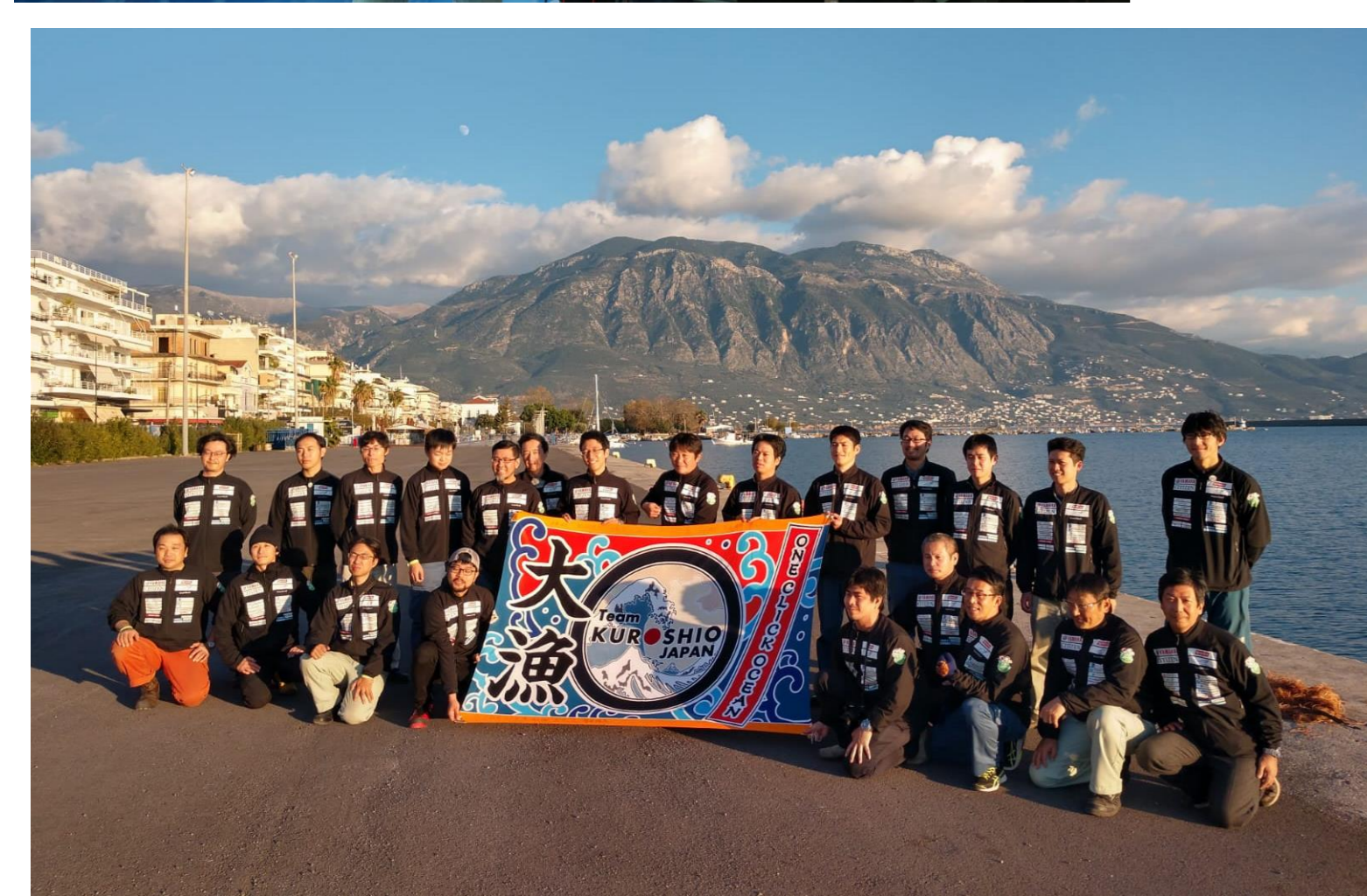
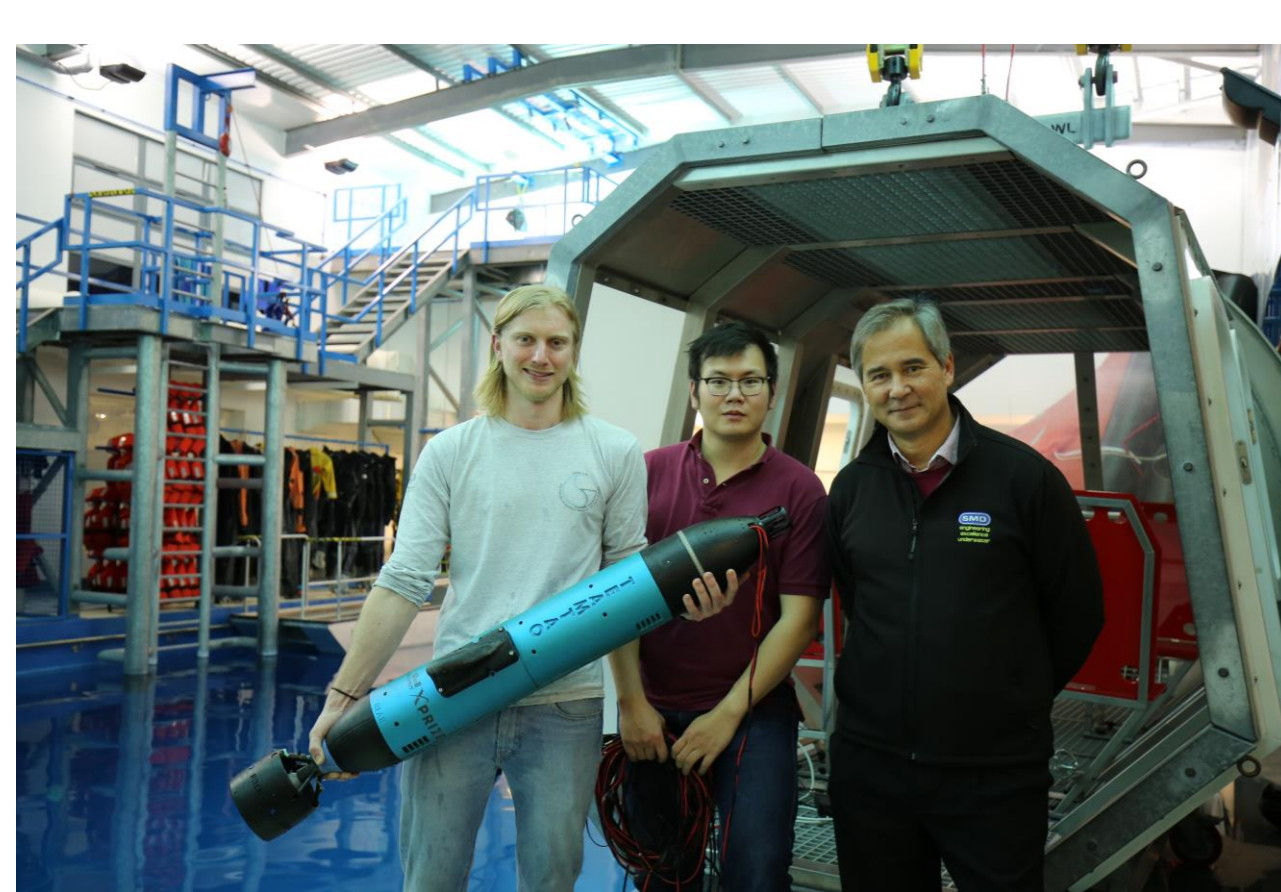
**IMAGINE DISCOVERING
A WHOLE NEW UNIVERSE
HERE ON EARTH.**

95% of the ocean remains unexplored.

WONDER

Shell
OCEAN DISCOVERY **XPRIZE**

Getting to the Bottom of Our Ocean.

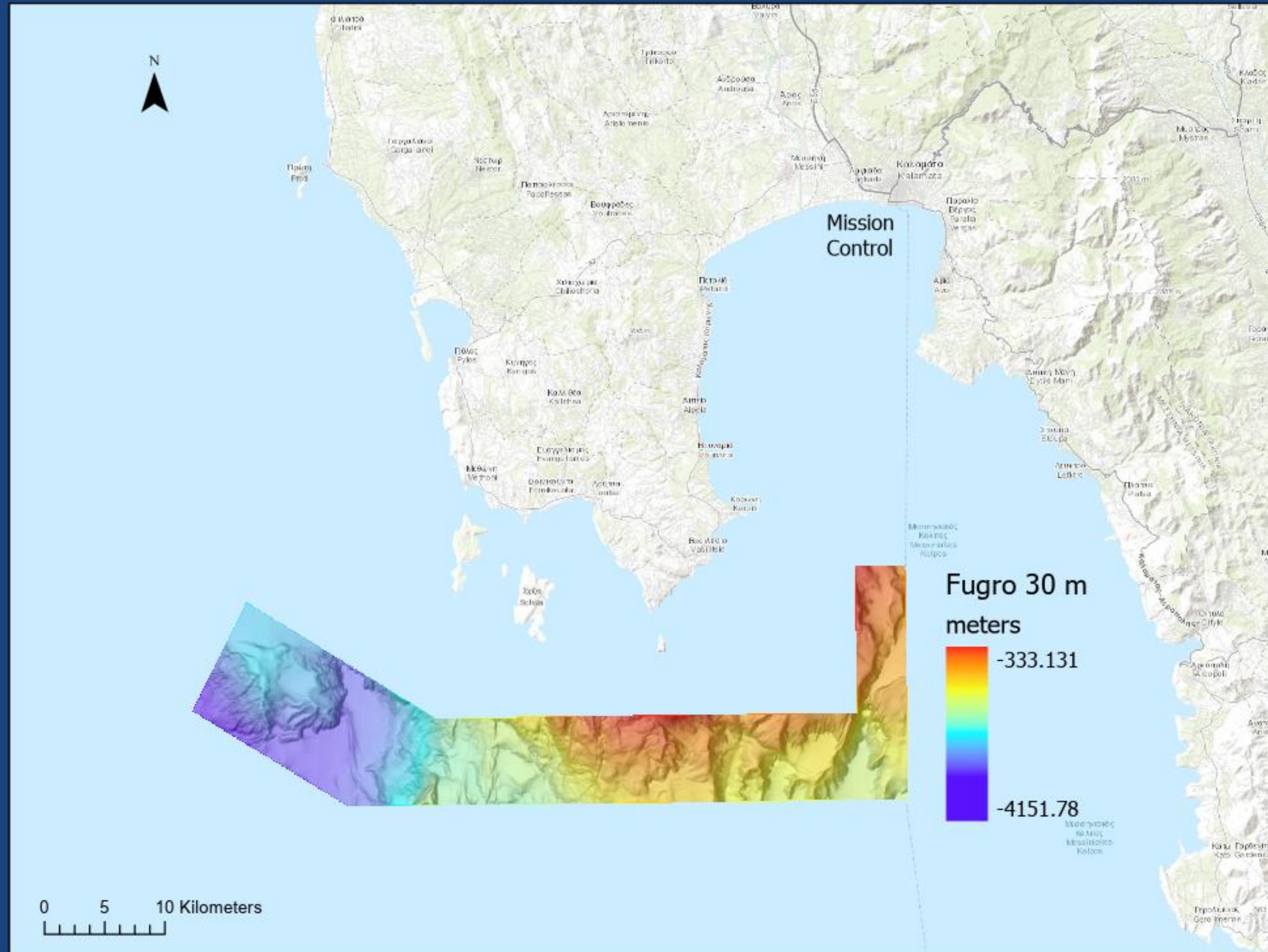


Team Members
30+ Countries
700+ individuals
500+ students





Final Round Competition Area



Team GEBCO-NF Alumni Grand Prize Winner



Team Ocean Quest NOAA Bonus Prize 1st Place



Shell Ocean Discovery 3 key Impacts



1. ACCELERATE TECHNOLOGY

25

NEW PATENTS

Technological Advancements

Autonomous platforms

Sensors

Communications



2. CATALYZE MARKETS

\$52M+ SPENT ON ENTRY DEVELOPMENT FOR...

\$4M GRAND PRIZE = 13x RETURN

10 COMPANIES WILL USE TECHNOLOGY

- 6 OF THEM ARE NEW

3. INSPIRE THE PUBLIC

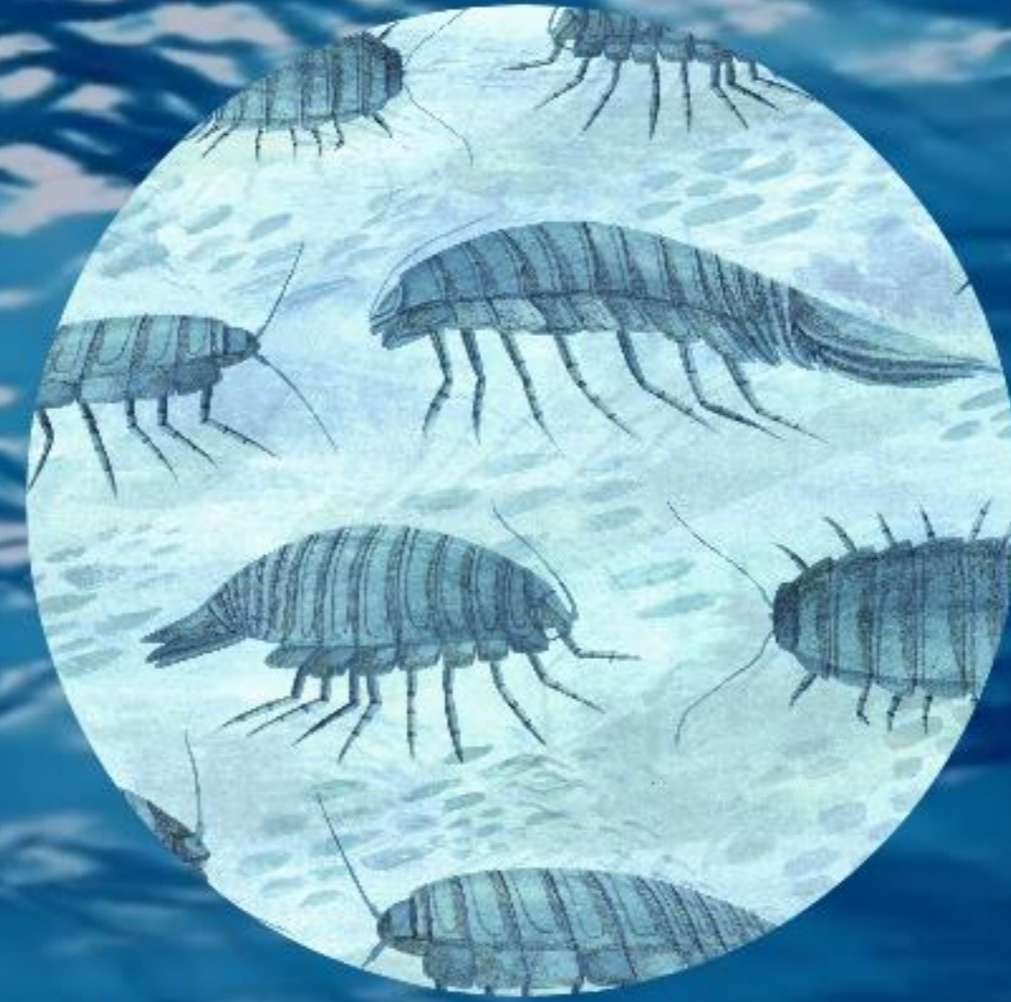
6,872,200,000+ MEDIA IMPRESSIONS

25,000 REACHED DIRECTLY

OCEAN COMMUNITY ACTION PLAN

THE LITTLE SHEPHERDESS

WRITTEN BY Gwyneth Jones



POEMS AND DISTANT LANDS

WRITTEN BY Gu Shi



An inspiring group of students,
an impossible task, an incredible journey.



A VALLEY CHRISTIAN SCHOOLS DOCUMENTARY

OCEAN QUEST

A race to map the ocean floor.

VALLEY CHRISTIAN PRESENTS AN ANISE INSTITUTE DOCUMENTARY IN ASSOCIATION WITH MEDIA VILLAGE PRODUCTIONS
"OCEAN QUEST" FEATURING THE STUDENTS OF VALLEY CHRISTIAN'S JUNIOR HIGH AND HIGH SCHOOL OCEAN DISCOVERY PROGRAM
WRITTEN BY DAINE VERMOOTEN DIRECTED BY SHANE VERMOOTEN PRODUCED BY CHRIS VAN DER BURGH AND HOWARD PYNE EDITED BY JOE KRENZER
EXECUTIVE PRODUCERS: BIANCA SCHMITZ PRODUCED BY MARTIE VAN TONDERI DIRECTED BY JONIC TURTTON PRODUCED BY MATTHYS PRETORIUS EDITED BY BRENDAN FEELY
EXECUTIVE PRODUCERS: KEVIN MICHAEL EXECUTIVE PRODUCERS: TAMMY FOSSLOW EXECUTIVE PRODUCERS: YUMA SUNG PERFORMED BY VALLEY CHRISTIAN HIGH SCHOOL SYMPHONY ORCHESTRA
STOCK FOOTAGE SUPPLIED BY XPRIZE, POND5 AND FILM SUPPLY MUSIC SUPPLIED BY AUDIO NETWORK AND TONY ANDERSON



questforoceans.com



Woods Hole Film Festival

Sunday July 28

2 PM

Falmouth Academy

Simon Center



LIFESTYLE MAY 21, 2019 / 10:15 AM / A MONTH AGO

12-meter ship aims to be first to cross Atlantic without a crew



TOLLESBURY, England (Reuters) - Final preparations are underway for a 12-meter-long ship to set sail from Canada and attempt the world's first transatlantic crossing





Saving Coral Reefs XPRIZE

Innovations to scale the rate of coral restoration and survivability of restored corals.

Sponsors



Partners



CARICOOS



Department of Marine Sciences
University of Puerto Rico
Mayagüez Campus



SingularityU Greece
Summit



NATIONAL CENTRE FOR
SCIENTIFIC RESEARCH "DEMOKRITOS"



marine technology
SOCIETY



OCEAN INFINITY
Seabed Intelligence