



**OCEAN
DISCOVERY
LEAGUE**

STRATEGIC OVERVIEW

2022 GOALS AND OBJECTIVES

VISION

Our vision is a discovered, thriving ocean.

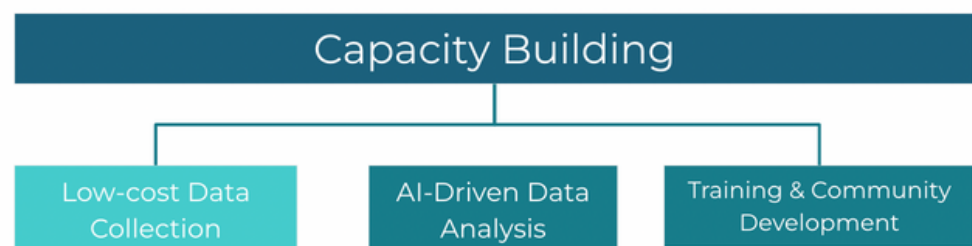
MISSION

Our mission is to accelerate deep ocean exploration by developing accessible systems to broaden the community of those who explore and understand the deep sea.

GOALS

93% of the ocean lies below 200m and the majority of countries have no ability to explore it. Ocean Discovery League is committed to growing the community of deep ocean explorers globally and developing the capacity to explore the deep sea through the creation of tools and programs in three core areas:

- Low-cost data collection (sensors)
- AI-driven data analysis
- Training and community development



LOW-COST DATA COLLECTION

Access to data collection is one of the primary barriers to deep-sea exploration. Traditionally, data collection at depth is conducted from large (and expensive) research vessels accessible to only a select few countries and researchers.

We are creating low-cost, easy-to-use deep-sea systems that gather the most critical data to inform environmental decision-making and deployment strategies that do not require access to research vessels.

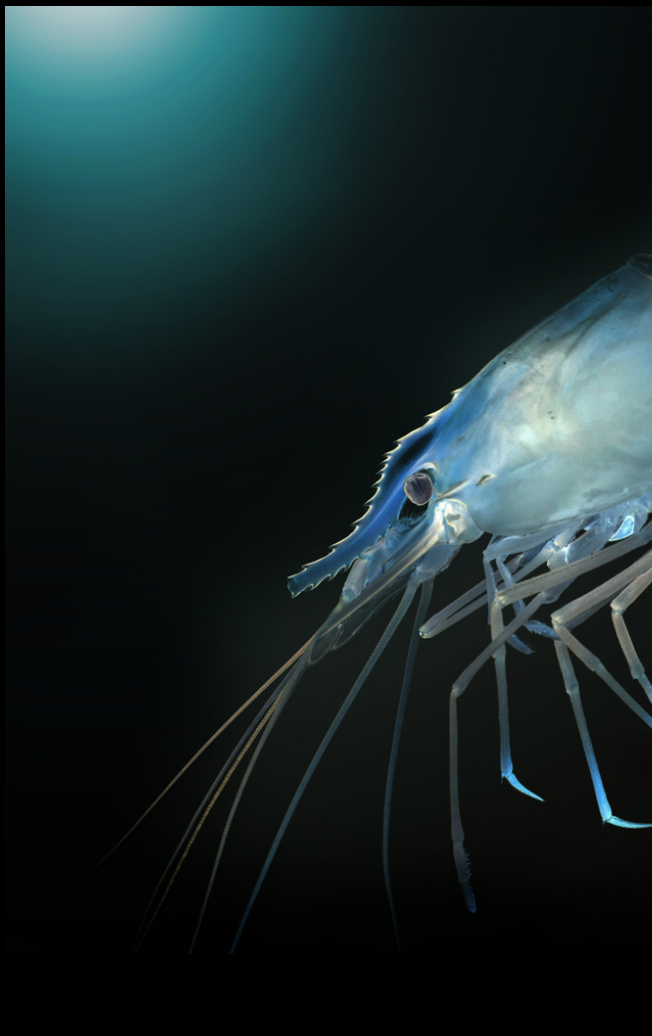


AI-DRIVEN ANALYSIS

Data collection is only one challenge. Once you've gathered data, most tools available to researchers require an engineer to set up and use. We are developing machine learning platforms to create easy-to-use interfaces for post-processing and analysis.

"DATA IS ONLY AS USEABLE AS YOUR ABILITY TO ANALYZE AND INTERPRET IT."

We are working with Monterey Bay Aquarium Research Institute on Ocean Vision AI (OVAI), a comprehensive tool to automatically identify organisms in deep-sea video.



GROWING THE COMMUNITY

There is a significant capacity gap between developed and developing countries with respect to access to tools, training, and infrastructure for deep-sea exploration and research.

Traditional capacity development is a multidisciplinary approach extending beyond just training and education. Ocean Discovery League applies these approaches to ocean science capacity development within countries to build sustainable infrastructure and environmental justice for deep-sea exploration and science.

The pilot program for the Ocean Discovery Fellowship will take this multifaceted approach and include deep-sea science education and field experiences and provide supporting training for leadership, management, finance, policy, and other necessary infrastructure tracks.

Actual capacity building is a change process within organizations, individuals, and countries, and taking a piecemeal approach within programs is often where capacity projects have failed in the past. We are learning from these experiences to apply new strategies to ocean exploration and research capacity development.



Our Next Steps:

2022-2023

1

CAPACITY ASSESSMENT RESULTS

Results of our survey of 120 countries will be released in April 2022.

2

DEVELOP SENSOR STRATEGY

Creation of strategy and prototype requirements by September 2022,

3

OVAI DEVELOPMENT

Continue work with MBARI on the development of the OVAI tool throughout 2022.

4

FELLOWSHIP STRATEGY

Continue research and development of the training and capacity-building fellowship pilot.

5

TEAM BUILDING

Continue to grow the ODL team to include expertise on capacity building and educational development, along with other key roles.

6

FUNDRAISING

Continue to identify fundraising opportunities, grants, and explore sustainable financial models for programs.

"Expanding diversity in deep-sea science and exploration while broadening our knowledge of the ocean will allow us to make wise decisions regarding the use, management, and protection of the ocean, resulting in humankind thriving on earth now and into the future."

Visit us at www.oceandiscoveryleague.org



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