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## The Challenge

The ocean is under threat from a host of pressures, from plastic pollution and overfishing to habitat destruction. But no threats loom larger than those caused by greenhouse gas pollution and the resulting global climate disruption. Greenhouse gas pollution is driving ocean overheating and acidification. This heating is in turn causing deoxygenation, sea level rise, and disruption of critical marine ecosystem functions and services. At the same time, direct absorption of carbon dioxide, a leading greenhouse gas pollutant, is increasing the ocean's acidity and impacting all marine life. Together, these stresses provide a one-two punch that is destabilizing the ocean's life support systems on which we all depend. To address these enormous challenges, the world needs to generate and scale innovative approaches and solutions much more quickly.

## Why Ocean Visions

In 2019, a group of leading research and academic institutions created Ocean Visions to accelerate the development of a multisector network to catalyze solutions in the ocean-climate nexus. Ocean Visions connects oceanographic research institutions, marine resource managers, conservation organizations, investors, businesses, and governments to drive development, testing, and deployment of viable solutions.

## Our Goals

We are committed to developing viable solutions around three grand challenges:

- Reducing, and ultimately reversing, greenhouse gas-driven changes to the ocean
- Building climate resiliency in coastal systems and communities
- Enhancing ocean-based food security in the face of climatic change

*The mission of Ocean Visions is to mobilize a diverse community of problem-solvers working together to tackle the most pressing challenges facing the ocean.*

## Who We Are

The Ocean Visions Network links science and engineering resources from the research community with other key expertise to develop applied solutions that can ameliorate and reverse dangerous threats to the ocean. The Network is comprised of:

**Research Consortium:** Leading ocean research and academic institutions that help identify, develop, evaluate, and test solutions to ocean challenges



**Acceleration and Impact Partners:** Investors, philanthropists, NGOs, businesses, accelerators, and others that help move promising solutions into scalable real-world applications



**The non-profit Ocean Visions:** Staff and leadership that facilitate engagement and action across the Network

## THE OCEAN VISIONS NETWORK

