



INTERNATIONAL ALLIANCE TO  
COMBAT OCEAN ACIDIFICATION

INCREASING AMBITION FOR CLIMATE ACTION AND TRANSFORMING RESPONSE TO  
CLIMATE-OCEAN CHANGE.

## FROM KNOWLEDGE TO ACTION

Through the development of OA Action Plans, **OA Alliance members are proactively responding to OA and its impacts by promoting solutions that advance knowledge into local action.**

An OA Action Plan encompasses **the actions that OA Alliance members will take (or are taking) to better understand OA** in their region and accelerate OA mitigation, adaptation, and resilience nearshore.

## WHAT DOES AN OA ACTION PLAN HELP TO ACHIEVE?

### **Reduce atmospheric CO<sub>2</sub> emissions, the number one cause of ocean acidification**

- Implement climate action plans and strategies, support policies that mandate 100% clean electricity, improve efficiency of buildings, and advance electrification of the transportation and shipping sector.
- Support investments in renewable energy sources from solar to offshore wind.

### **Advance scientific understanding of climate-ocean impacts**

- Expand nearshore monitoring and research biological impacts of climate-ocean change to key species.
- Conduct climate-ocean risk and vulnerability assessments that guide investments and priority response strategies.

### **Reduce local pollutions that exacerbate coastal acidification**

- Assess and reduce local sources of nutrients, including from agriculture run-off and wastewater.
- Manage stormwater and other land-based sources of pollutants.

### **Protect the environment and coastal communities from climate-ocean impacts**

- Deploy nature-based solutions using aquatic ecosystems like mangroves, salt marshes, seagrasses, and kelp to sequester carbon or remediate coastal acidification.
- Identify key resources like coral reef, shellfish or fisheries in the area and ensure climate impacts are considered across marine planning and mapping strategies (MSP/ MPA).
- Work with fisheries and aquaculture leaders on strategies that increase sustainability and tolerance in the face of change.

### **Expand public awareness**

- Engage the seafood industry, aquaria, NGOs and other private sector partners about challenges and solutions.
- Engaging government leaders, scientists, industry, community and village leaders through panels, task forces, and workshops.

### **Sustain international and multi-governmental support for addressing this global problem**

- Call for emissions reductions and financing for ocean adaptation measures under international climate frameworks like the United Nations Framework Convention on Climate Change (UNFCCC) and the United Nations Sustainable Development Goals (UN SDG) 13 and 14.

**LEARN MORE ABOUT THE OA ACTION PLAN**

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