

Assessing the State of Climate Adaptation in the Marine and Coastal United States



Background

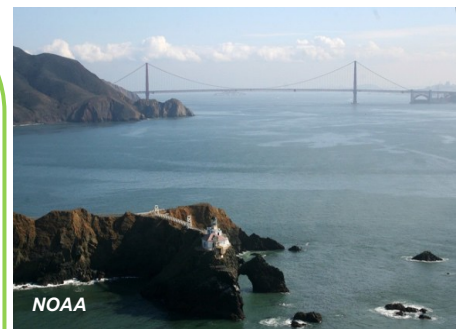
Climate change threatens the success and longevity of conservation, planning, and management. In marine and coastal environments, climate change-driven shifts are resulting in increasing ocean temperatures, changes in ocean chemistry, and sea level rise, which affect species, habitats, infrastructure, cultures, and economies. Identifying what approaches are being implemented and their success expands the list of options for marine and coastal managers seeking to address climate change.

EcoAdapt's State of Adaptation Program is a research initiative designed to raise awareness of and build capacity for climate adaptation. Program goals are to:

- Assess climate changes and impacts within specific geographies and /or sectors
- Identify and synthesize trends, constraints, and opportunities
- Highlight adaptation examples and lessons learned
- Amplify and promote adaptation projects to benefit the broader practitioner community

Phase II

In 2011, EcoAdapt published a report detailing the results of surveys, inventories, and assessments of adaptation projects from different regions, jurisdictions, and scales throughout North America's marine and coastal environments. In December 2018, EcoAdapt began Phase II of this project, which aims to identify, synthesize, and update climate adaptation activities in the marine and coastal environments of the United States, territories, and commonwealths that have emerged since 2011. The project will look at if and how practitioners have moved from generalities to concrete actions, including implementation, monitoring, and evaluation of the efficacy of adaptation efforts. As part of this effort, we are evaluating how practitioners are implementing resistance, resilience, and response strategies.



Resistance

Resilience

Response

Why Case Studies?

Case studies are important tools for supporting knowledge exchange, learning, and application of climate adaptation strategies. Case studies provide approachable “entry points” for people to effectively engage in the climate adaptation conversation. The framing of these issues in approachable formats helps people understand complex issues, develop actionable ideas to reduce the impacts of climate change, and generate public support for climate-informed policies and practices.



Expert Advisory Panel

Guide project implementation and product design



Interviews and Surveys

Identify on-the-ground projects through interviews



Data Analysis and Synthesis

Develop case studies, synthesis reports, and regional fact sheets



Dissemination and Outreach

Share findings via conferences, webinars, and CAKE



Project Evaluation

Evaluate project and product utility and lessons learned

Are you engaged in climate adaptation?

Submit your project!

Participate in an interview!

Promote your efforts!

Find case studies and other resources at CAKEx.org!

Learn More!

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State of Adaptation Program: <http://EcoAdapt.org/programs/state-of-adaptation>

EcoAdapt: EcoAdapt.org

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