



Climate-Smart Adaptation Working Group of the North-central California Coast and Ocean

April 22, 2015

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Gulf of the Farallones National Marine
Sanctuary



Climate-Smart Adaptation for the North-central California Coast and Ocean

Goal

Protect and maintain healthy ecosystems by enhancing the resilience of species, habitats and ecosystem services to the impacts of climate change through collaboratively developed adaptation actions that are feasible, effective, and nature-based.

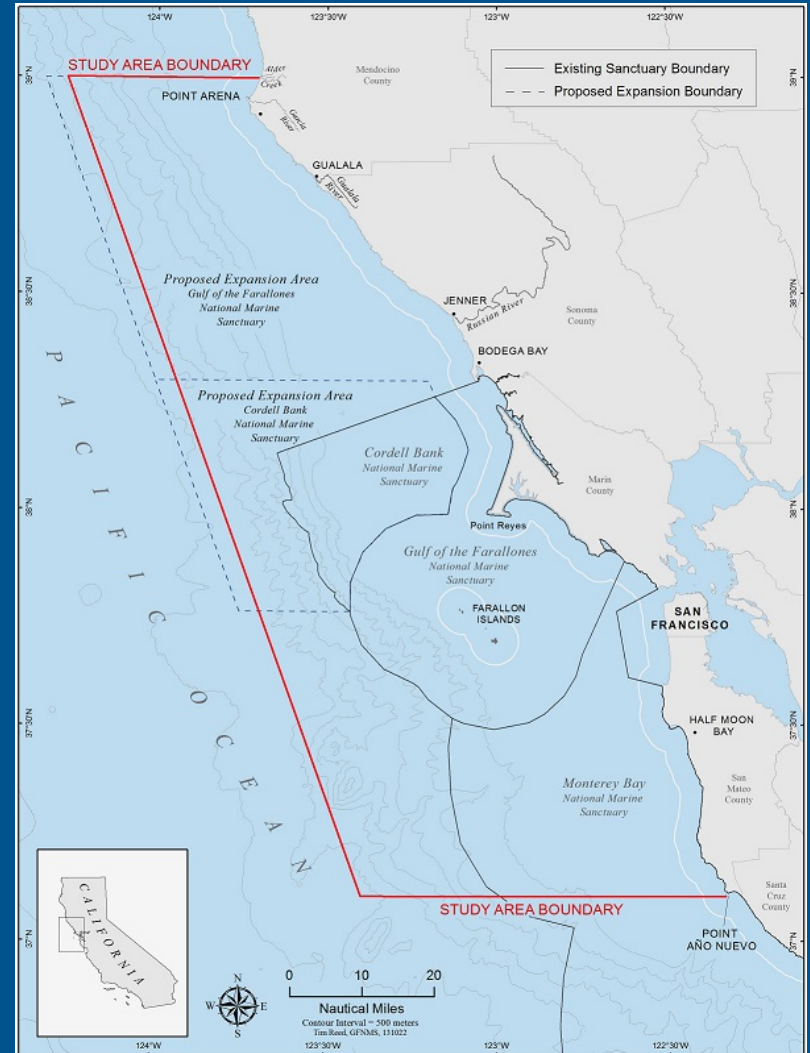
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Geographic Scope

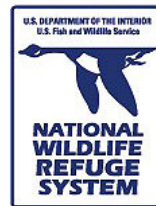
Año Nuevo, San Mateo County to Alder Creek, Mendocino County



Project Partners



CALIFORNIA
ACADEMY OF
SCIENCES

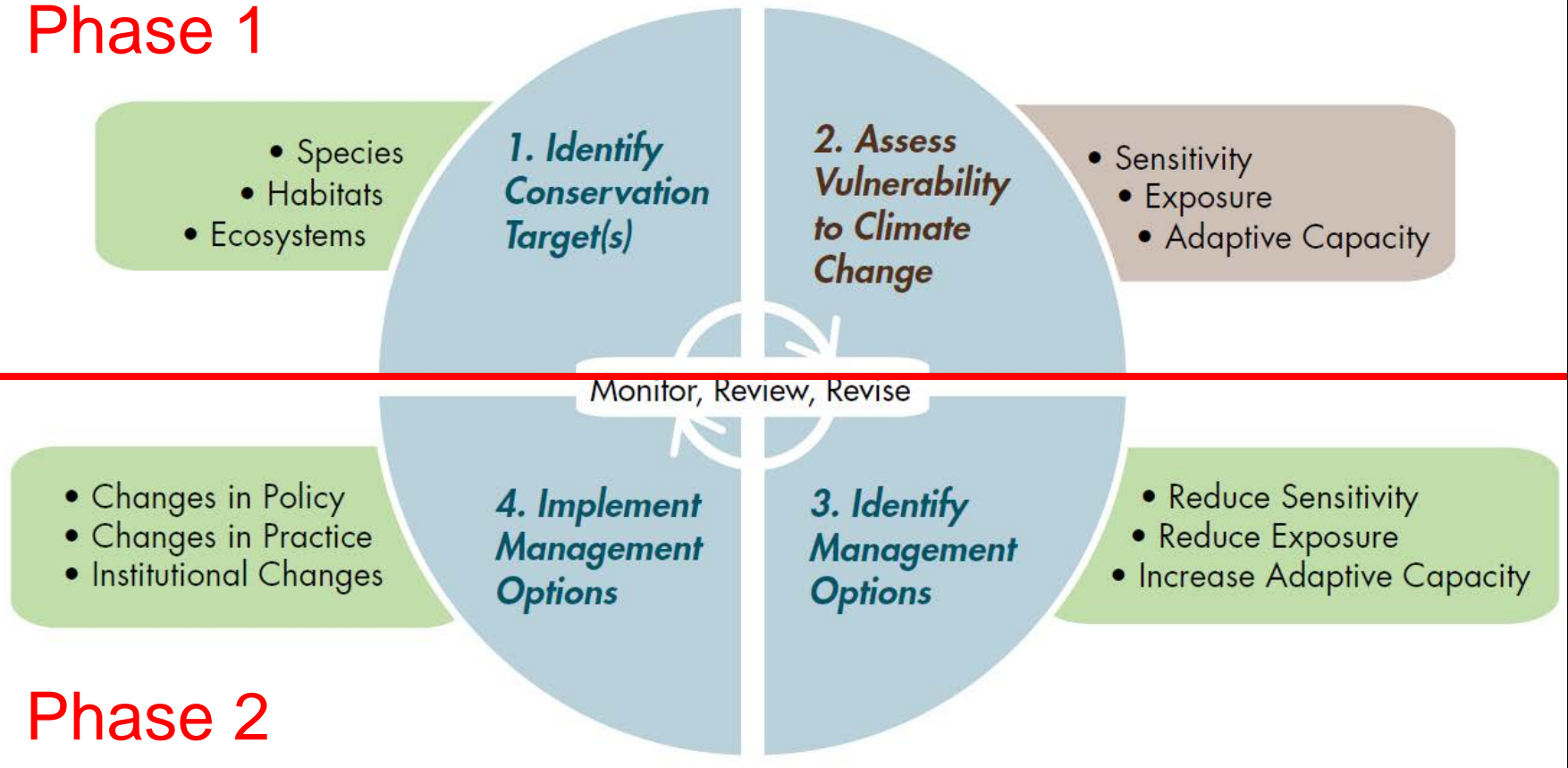


Two Big Questions:

1. How vulnerable to climate change are the species, habitats, and ecosystem services that we manage? [Phase 1: Vulnerability Assessment]
2. What can we do to limit or reduce vulnerability? [Phase 2: Adaptation Planning]

Climate-Smart Adaptation Process

Phase 1

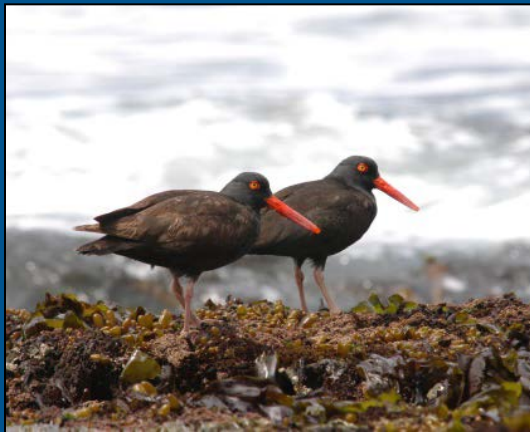


Glick et al. 2011 Scanning the Conservation Horizon

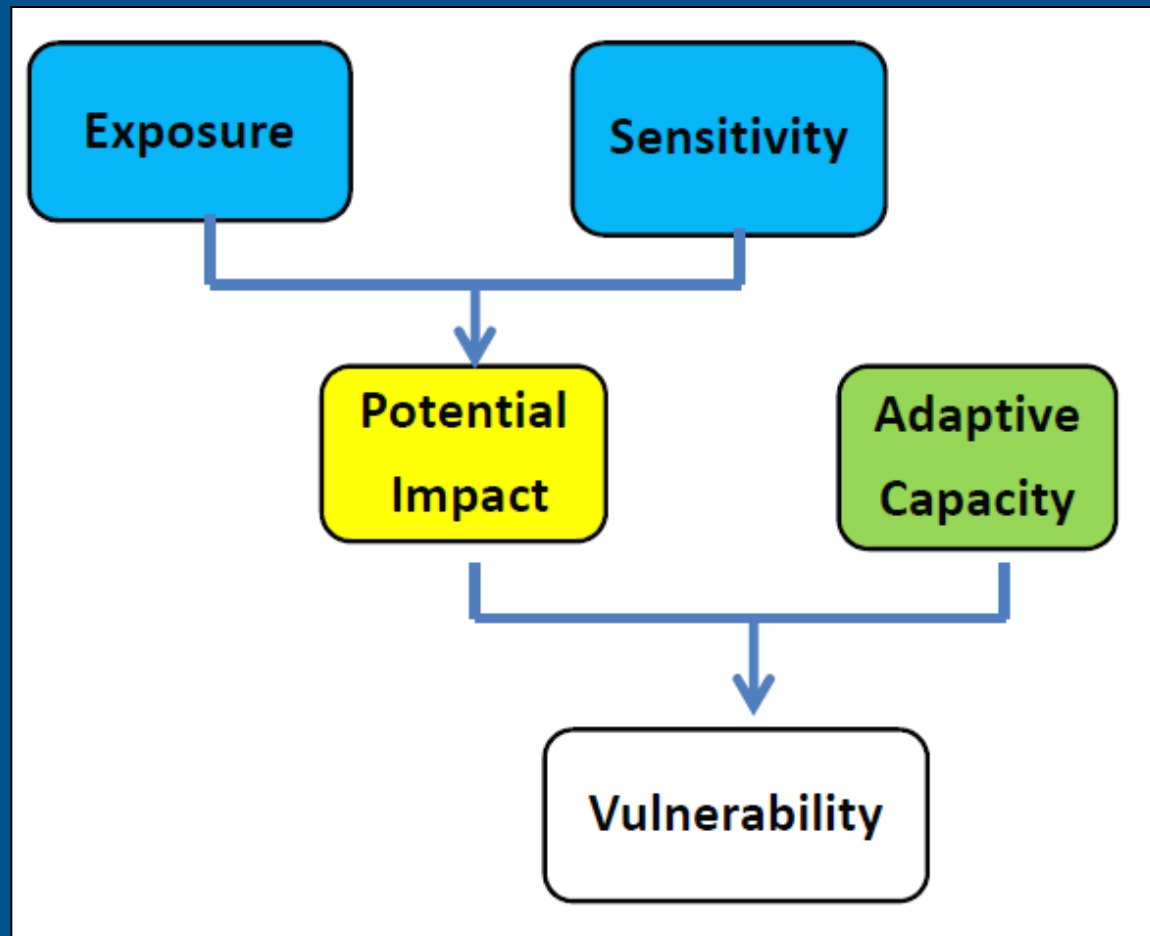
Phase 1: Vulnerability Assessment

Two Decision-Support Workshops:

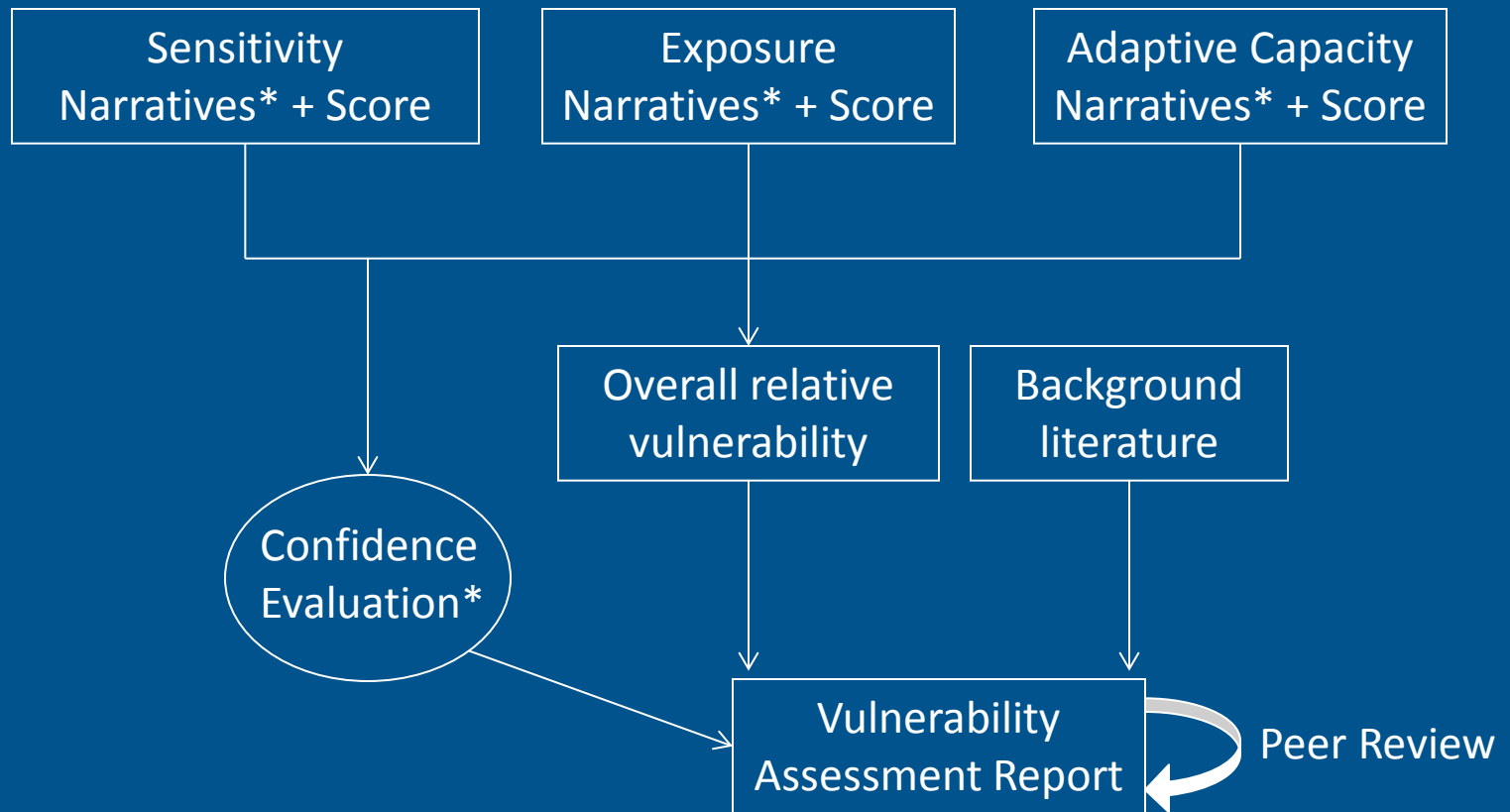
1. Define focal resources (11 Feb 2014)
2. Assess resource vulnerability (10-11 June 2014)



Phase 1: Vulnerability Assessment



Phase 1: Vulnerability Assessment



*documenting uncertainty

Climate Change Vulnerability Assessment for the North-central California Coast and Ocean



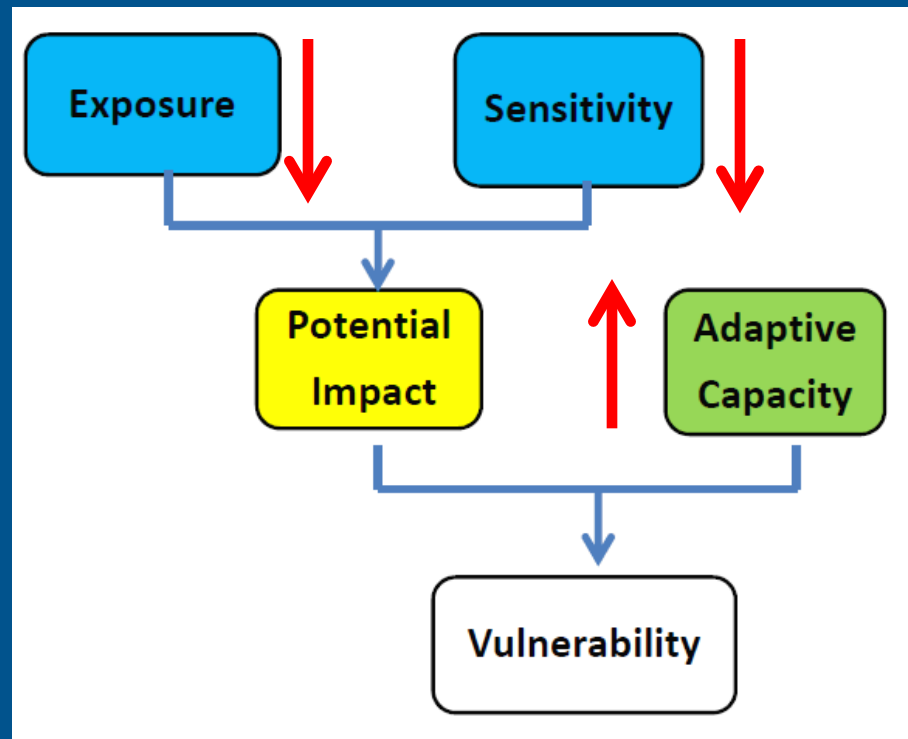
U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Ocean Service
Office of National Marine Sanctuaries



Insert Month Year

Phase 2: Adaptation Planning

Use assessment results to develop management strategies that will...



...in a variety of plausible future climate scenarios

Climate-Smart Adaptation Working Group

Working Group Goal:

Develop and prioritize climate-smart adaptive management recommendations that can be feasibly implemented by managers to reduce the vulnerability of select focal resources, while considering a range of plausible future climate scenarios for the region.

Recommendations will be presented to the Sanctuary Advisory Council at their November meeting in the form of a basic write-up.

After the Working Group

Recommended actions presented to the Sanctuary Advisory Council



Internal planning process
via a **Sanctuary
Implementation Plan**

Made available to other
management agencies
via a **Phase II Summary
Report**



Proposed Project Timeline

