

National Marine Sanctuaries
National Oceanic and Atmospheric Administration



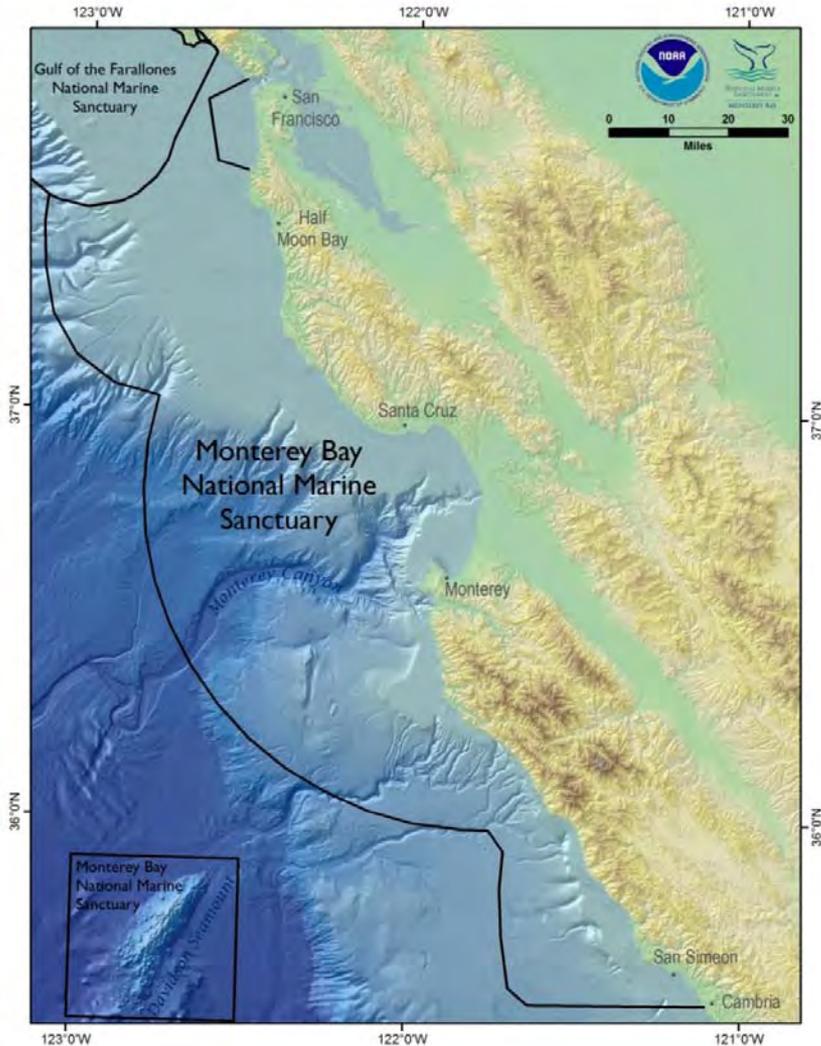
NATIONAL MARINE
SANCTUARIES

MONTEREY BAY

Monterey Bay National Marine Sanctuary Ecosystem-based Management Initiative

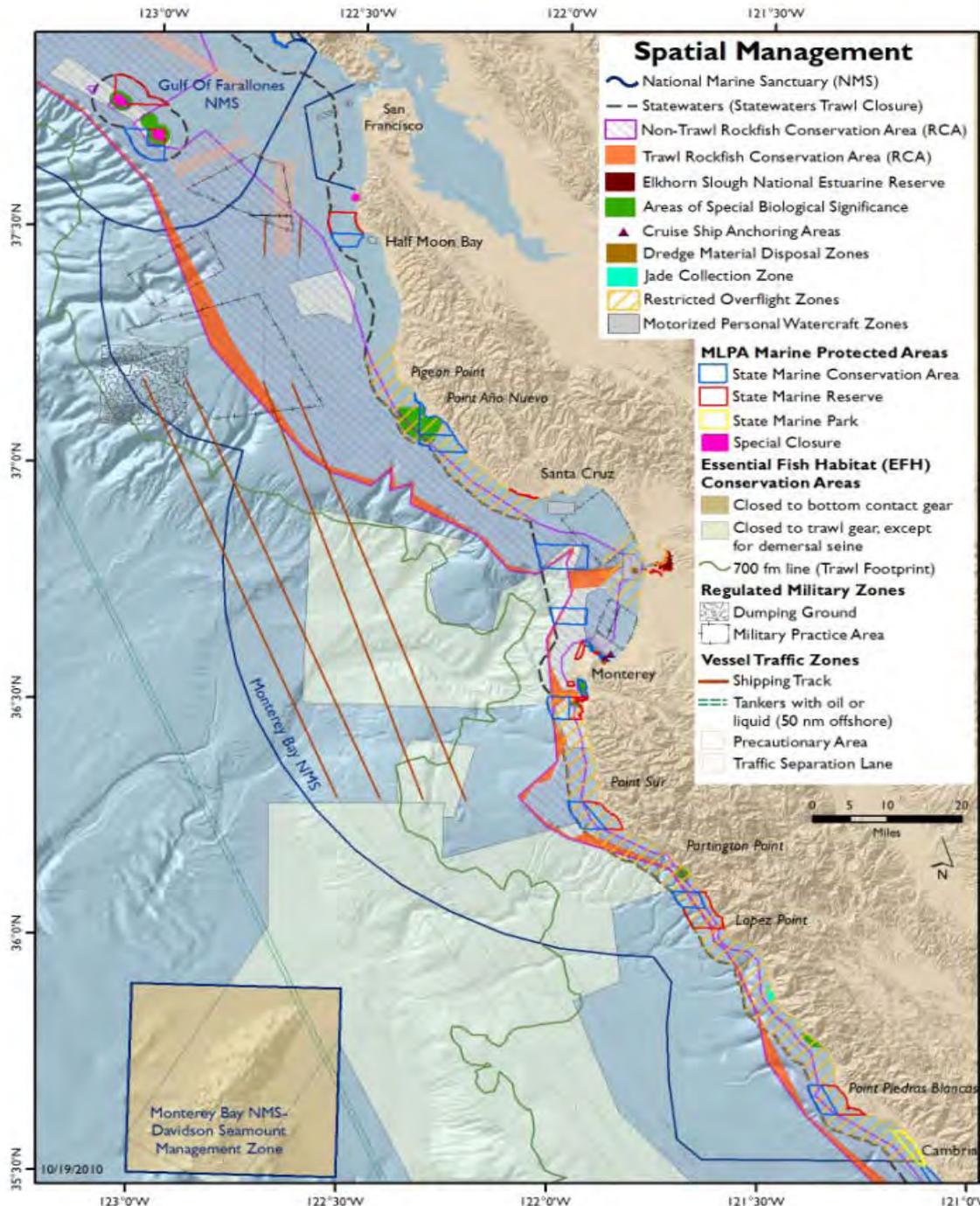
SAC Meeting December 9th

EBM Initiative Goal



Enhance ecosystem-based management & marine spatial planning in MBNMS by applying the best available science and integrating and coordinating with partner agencies

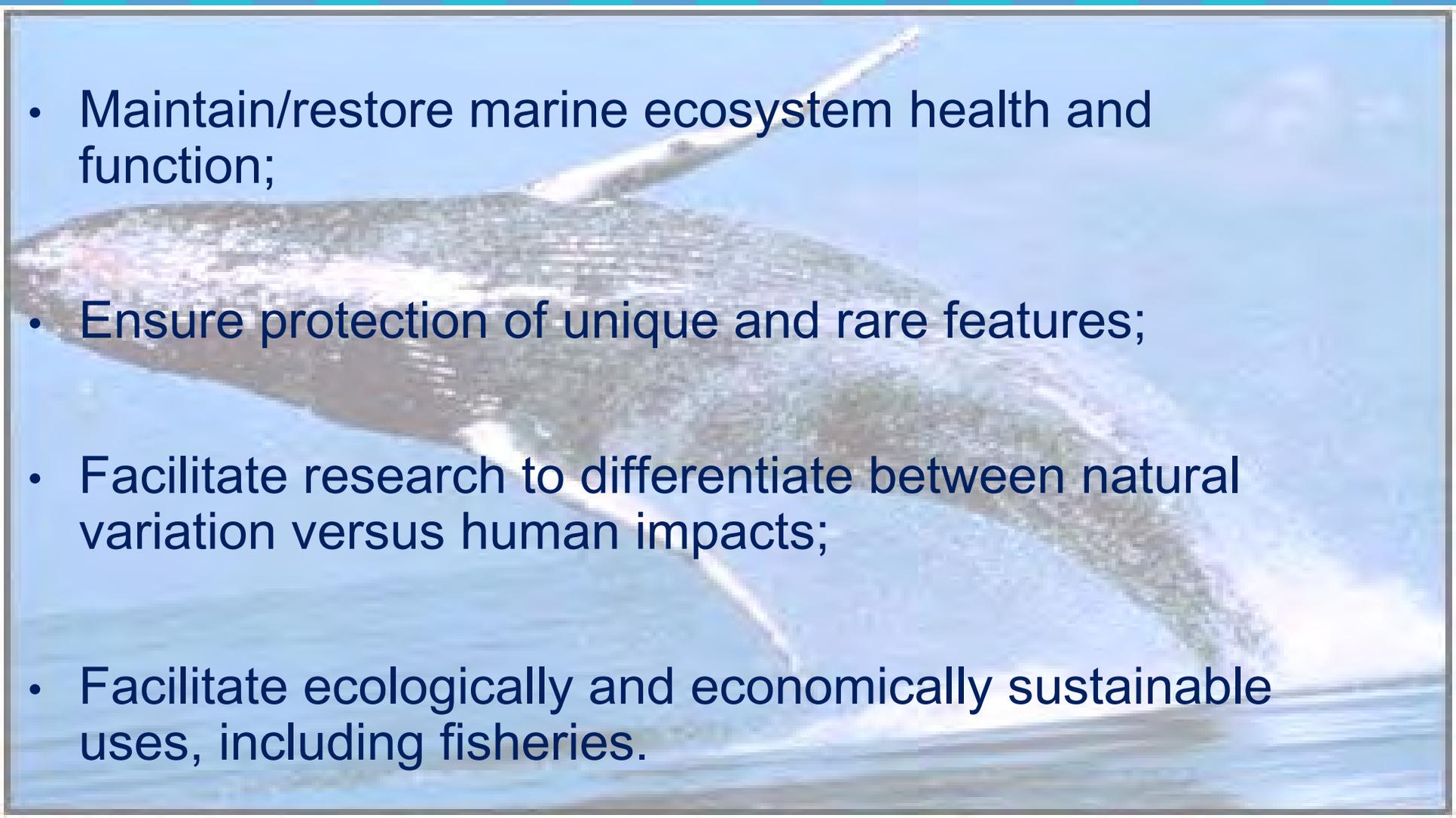
Current MBNMS seascape



- zones created in isolation
- overlapping jurisdictions
- Sector by sector management

EBM Initiative proposes to work collaboratively with various zoning agencies to create a plan that incorporates EBM goals with goals of other organizations.

EBM Initiative Objectives

- Maintain/restore marine ecosystem health and function;
 - Ensure protection of unique and rare features;
 - Facilitate research to differentiate between natural variation versus human impacts;
 - Facilitate ecologically and economically sustainable uses, including fisheries.
- 
- A photograph of a whale breaching the ocean surface, creating a large splash of water. The whale's back and tail are visible above the water, and the sky is a clear blue.

Basic steps of Initiative

1. Information gathering

2. Propose & implement strategies

3. Monitor, adapt, assess

now

2010

2011

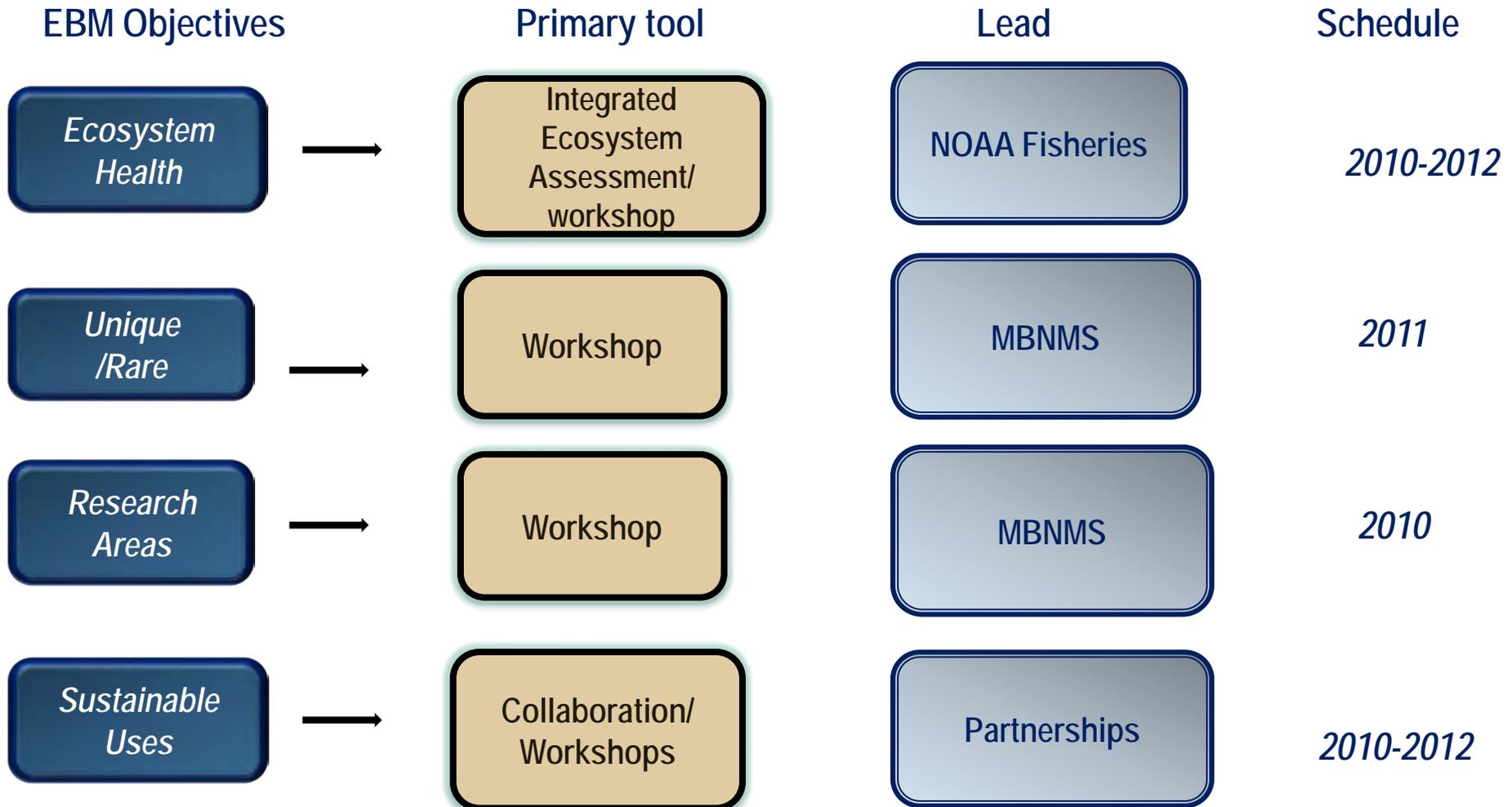
2012

2013

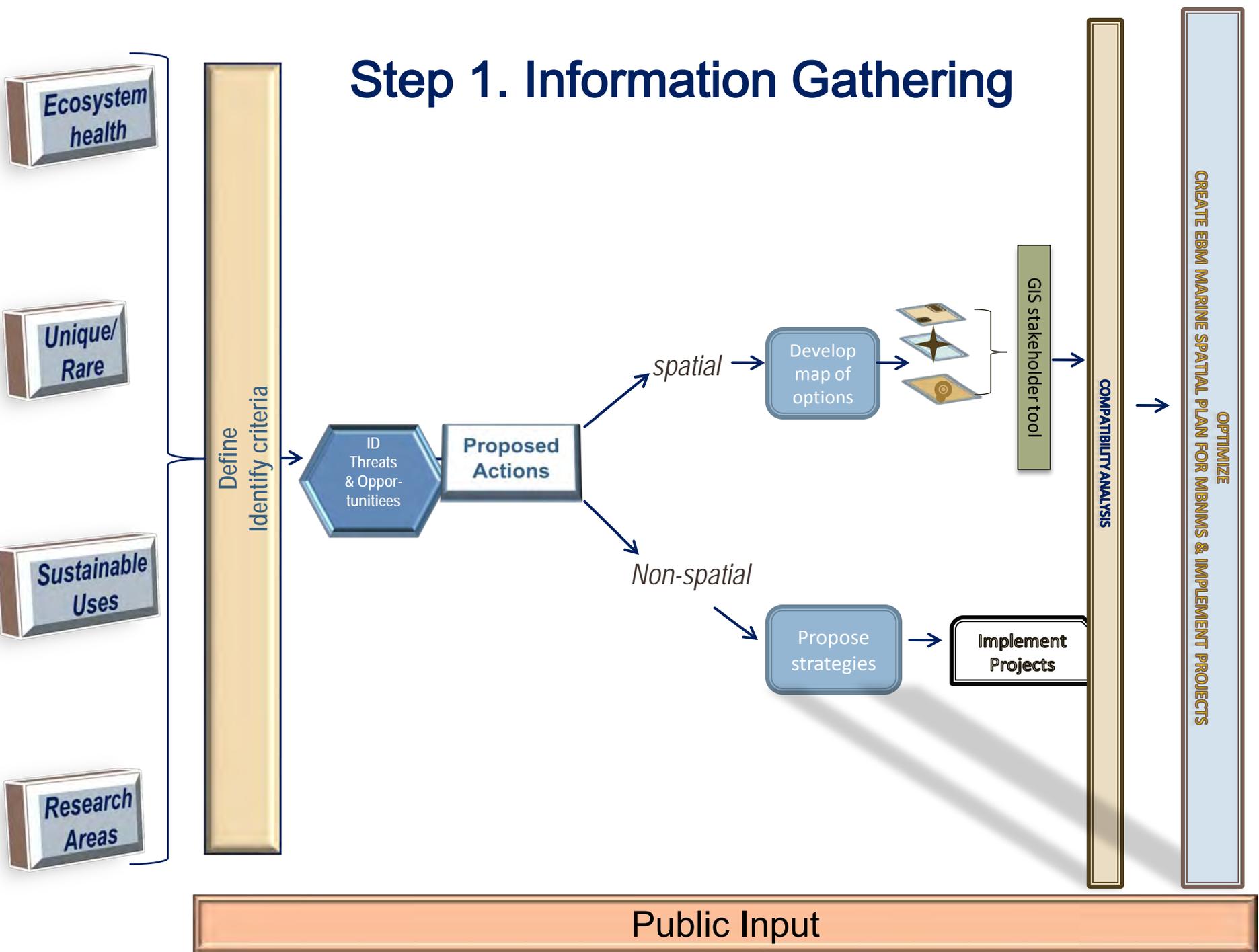
2014

2015

Step 1: Information gathering

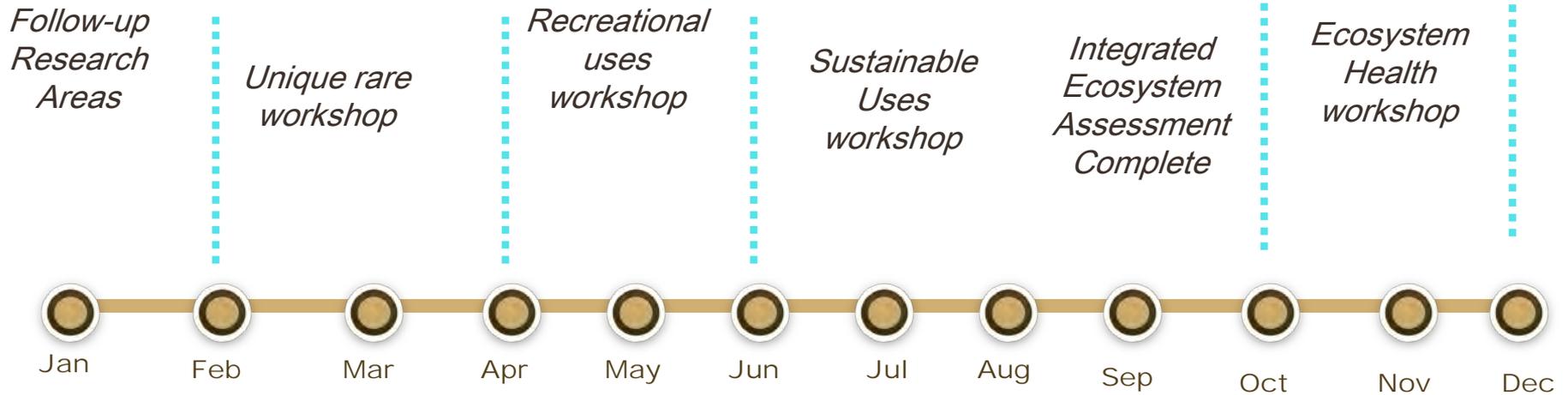


Step 1. Information Gathering



Step 1. Information gathering

FY 2011



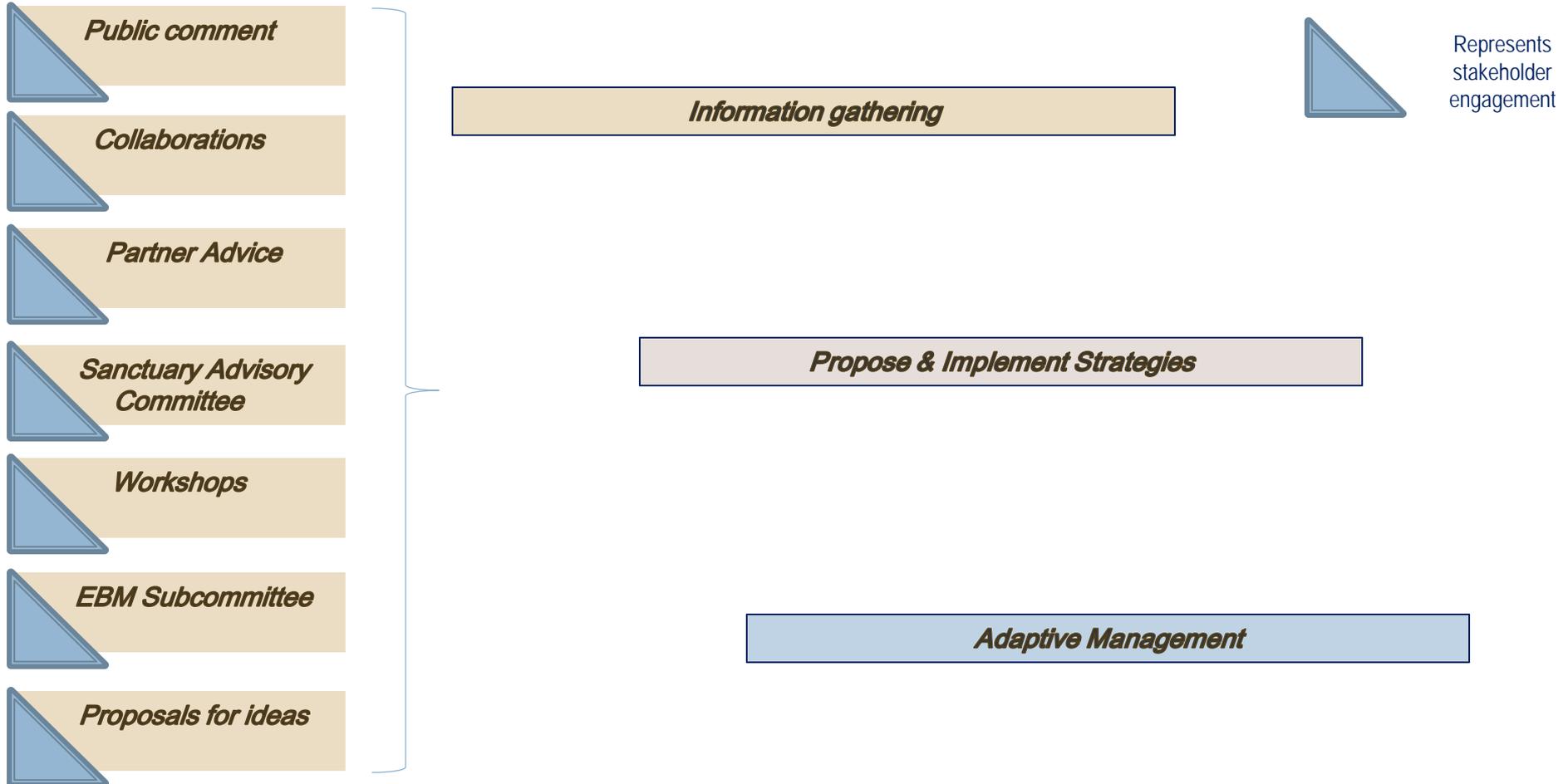
Interagency Consultation

Essential Fish Habitat Review (NOAA Fisheries)

Central Coast Ground Fish Project

Halibut Trawl Fishing proposal (Monterey)

Stakeholder engagement



Objective 1. Ecosystem Health

Information gathering

*DRAFT IEA
completed*

*Natural
Resource
Assessment*

*DRAFT II.
IEA
completed*

*Ecosystem
Health
workshop*

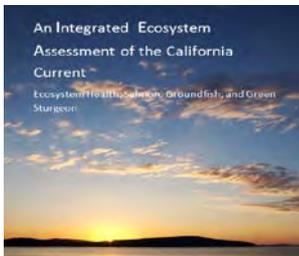
**Scoping
Stakeholder engagement**

Oct
2010

Mar
2011

Oct
2011

Nov
2011



Integrated Ecosystem Assessment

2010

- Ecosystem health
- Ground fish
- Salmon
- Sturgeon

2011

- Ecosystem health
- Ground fish
- Salmon
- Sturgeon
- Pelagic species
- Water quality
- Forage Fish

Objective 2. Unique & Rare

Information gathering

Prepare workshop

Work with partners

Unique/Rare workshop

Local Knowledge

Follow-up

Criteria for Unique Rare identified

**Scoping
Stakeholder engagement**

Nov
2010

Feb
2011

Sept
2011

Dec
2011

Objective 3. Facilitate Research

Information gathering

*Research
Areas
workshop*

*Workshop
report
completed
& distributed*

Follow up

*Criteria for
Research
Areas
Developed*

Stakeholder engagement

Oct
2010

Dec
2010

Jan
2010

Nov
2011

Objective 3. Research Areas workshop

Workshop Objective

To review existing spatial management, determine how it affects marine science, and discuss what kinds of strategies, if any, could facilitate science that supports ecosystem-based management of MBNMS

- October 26th, National Marine Fisheries Service Santa Cruz Lab
- **Participants:** Expert scientists with experience in MBNMS. Collaborative partners (e.g. fishermen). EBM Subcommittee.
- Open to the public
- Solicited input from EBM Subcommittee for attendees.

Objective 4. Promote sustainable uses

Information gathering

*Sustainable
uses
brainstorming*

*Sustainable
Use workshop
#1*

*Sustainable
Use workshop
#2*

Stakeholder engagement

Oct
2010

Apr
2011

Oct
2011

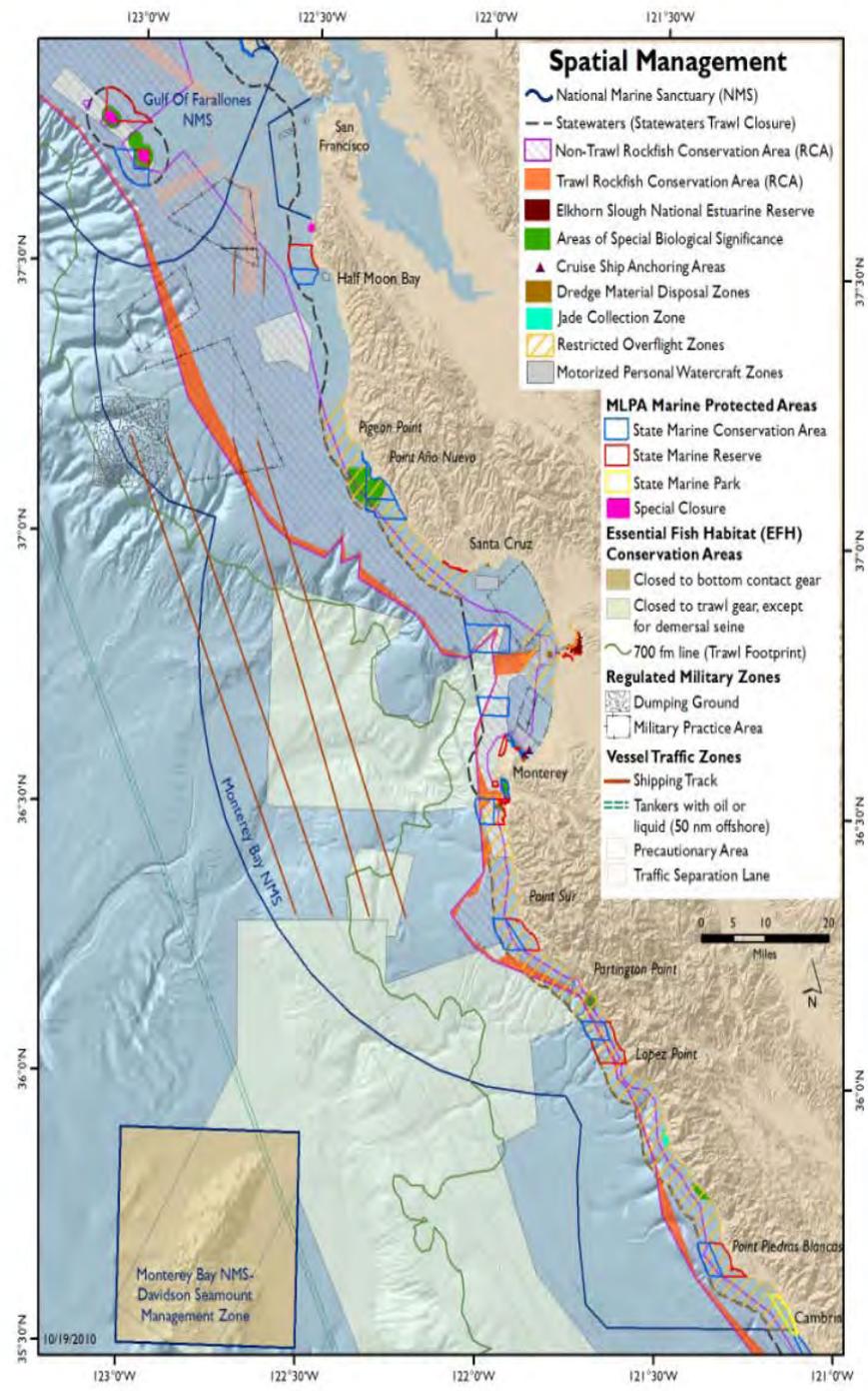
Potential projects by partners and ocean interest users

Individual Transfer Quota Central California Coast
Emerging Issues

Step 2. Propose and implement strategies

Pathways (existing & emerging)

- Sustainable fishing projects
- Essential Fish Habitat
- MSA/NMSA
- ITQ Ground fish project
- Sustainable seafood market
- Coastal & Marine Spatial Planning
- Ecosystem Fishery Manager Plan



National Ocean Policy

Click to show one page at a time



THE WHITE HOUSE COUNCIL ON ENVIRONMENTAL QUALITY

*Final Recommendations
Of The
Interagency Ocean Policy
Task Force
July 19, 2010*



- Consistent with EBM Initiative

National Priority Objectives

1. **Ecosystem-Based Management:** Adopt ecosystem-based management as a foundational principle for the comprehensive management of the ocean, our coasts, and the Great Lakes.
2. **Coastal and Marine Spatial Planning:** Implement comprehensive, integrated, ecosystem-based coastal and marine spatial planning and management in the United States.
3. **Inform Decisions and Improve Understanding:** Increase knowledge to continually inform and improve management and policy decisions and the capacity to respond to change and challenges. Better educate the public through formal and informal programs about the ocean, our coasts, and the Great Lakes.
4. **Coordinate and Support:** Better coordinate and support Federal, State, tribal, local, and regional management of the ocean, our coasts, and the Great Lakes. Improve coordination and integration across the Federal Government, and as appropriate, engage with the international community.
5. **Resiliency and Adaptation to Climate Change and Ocean Acidification:** Strengthen resiliency of coastal communities and marine and Great Lakes environments and their abilities to adapt to climate change impacts and ocean acidification.
6. **Regional Ecosystem Protection and Restoration:** Establish and implement an integrated ecosystem protection and restoration strategy that is science-based and aligns conservation and restoration goals at the Federal, State, tribal, local, and regional levels.
7. **Water Quality and Sustainable Practices on Land:** Enhance water quality in the ocean, along our coasts, and in the Great Lakes by promoting and implementing sustainable practices on land.
8. **Changing Conditions in the Arctic:** Address environmental stewardship needs in the Arctic Ocean and adjacent coastal areas in the face of climate-induced and other environmental changes.
9. **Ocean, Coastal, and Great Lakes Observations, Mapping, and Infrastructure:** Strengthen and integrate Federal and non-Federal ocean observing systems, sensors, data collection platforms, data management, and mapping capabilities into a national system, and integrate that system into international observation efforts.

What are we working toward?

Through collaborative participatory process:

- A comprehensive spatial, integrated EBM plan for MBNMS that optimizes resource protection with sustainable uses
- This plan will be developed by considering other agency policy decisions (i.e. EFH Review, Ecosystem FMP)
- Modifications in spatial & non-spatial management may be proposed
- Modifications in management may be achieved thru regulatory & non-regulatory means

Moving toward....

