

Enhanced Ecosystem-Based Management Initiative



*Sanctuary Advisory Council Meeting
August 19, 2010
Monterey Bay National Marine Sanctuary*



Enhanced Ecosystem Based Management Initiative

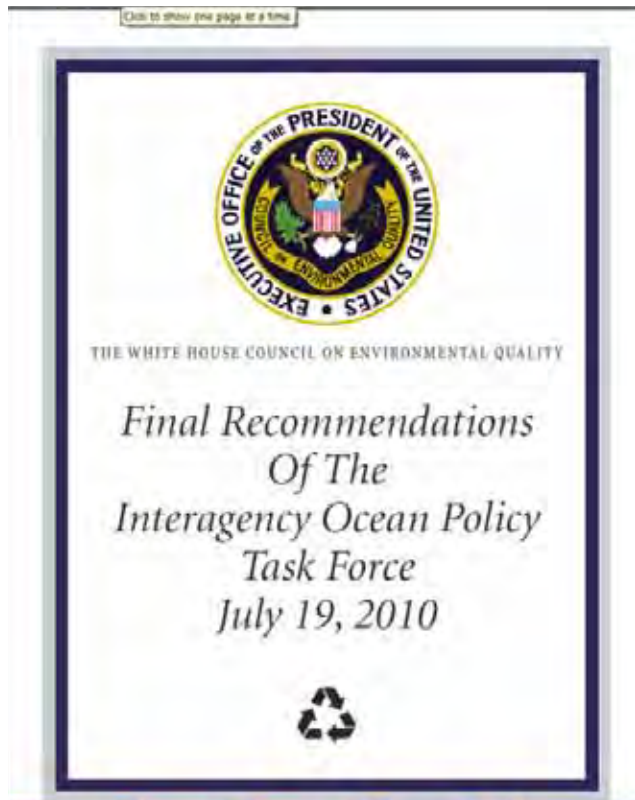
Implementing ecosystem-based management in MBNMS

- Science based
- Public input & stakeholder involvement
- Collaborative, interagency
- Transparent management

Goals

1. Protect ecosystem health
 2. Protect unique and rare areas
 3. Establish research areas
 4. Promote sustainable uses
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National Ocean Policy



- 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.

President Obama Executive Order Interagency Ocean Policy- July 19th, 2010

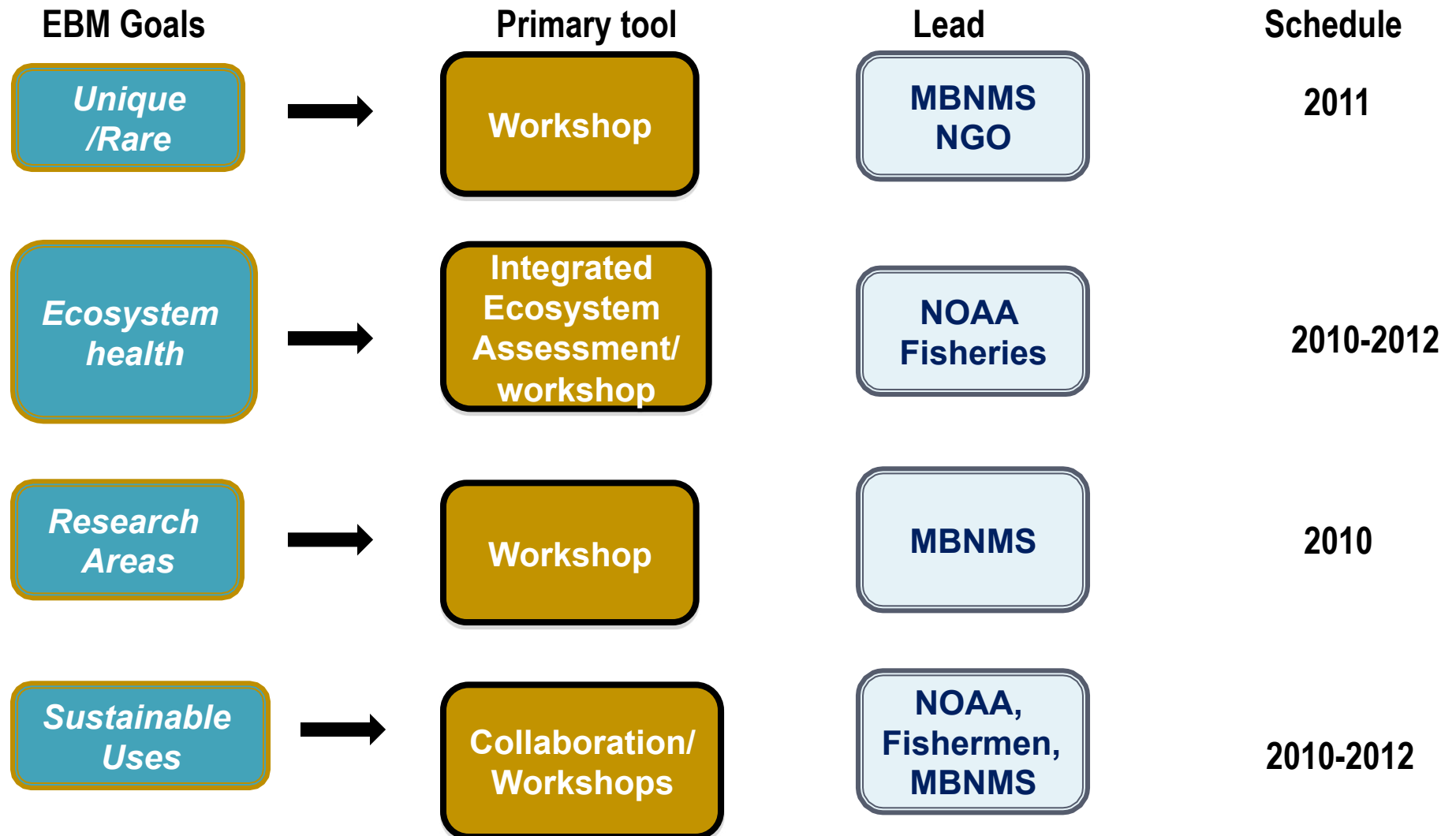
- National Executive Order
- Comprehensive national policy
- Ecosystem Based Management
- Robust public engagement
- Comprehensive, integrated regionally based approach to planning & managing uses (MSP)
- Based on best science
- Coordinated management

Basic steps

to achieve EBM goals

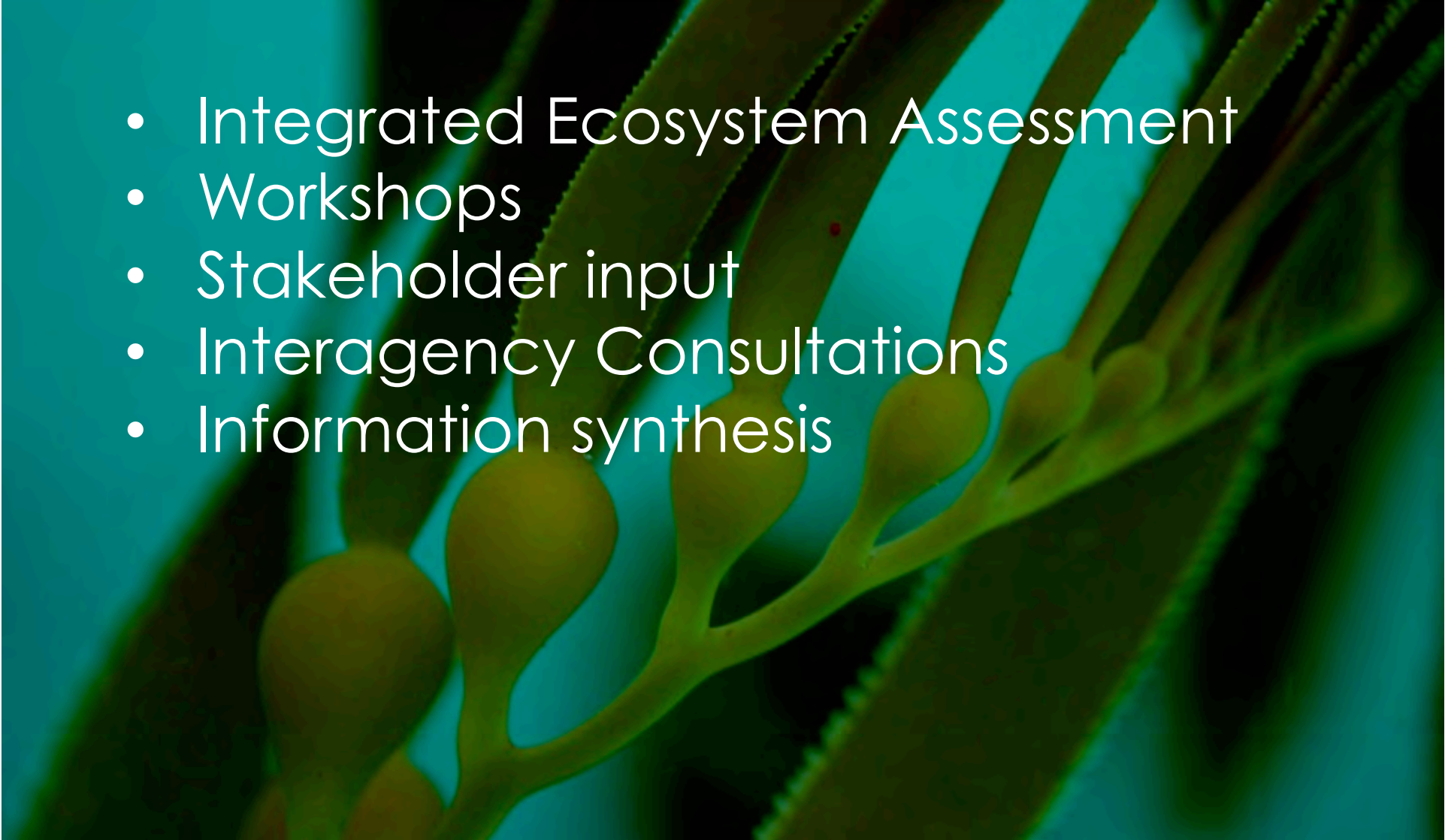
- **Step 1: Information gathering and analyses**
- **Step 2: Propose and implement strategies/
actions**
- **Step 3: Monitor, assess, and adapt strategies**

Step 1: Information gathering



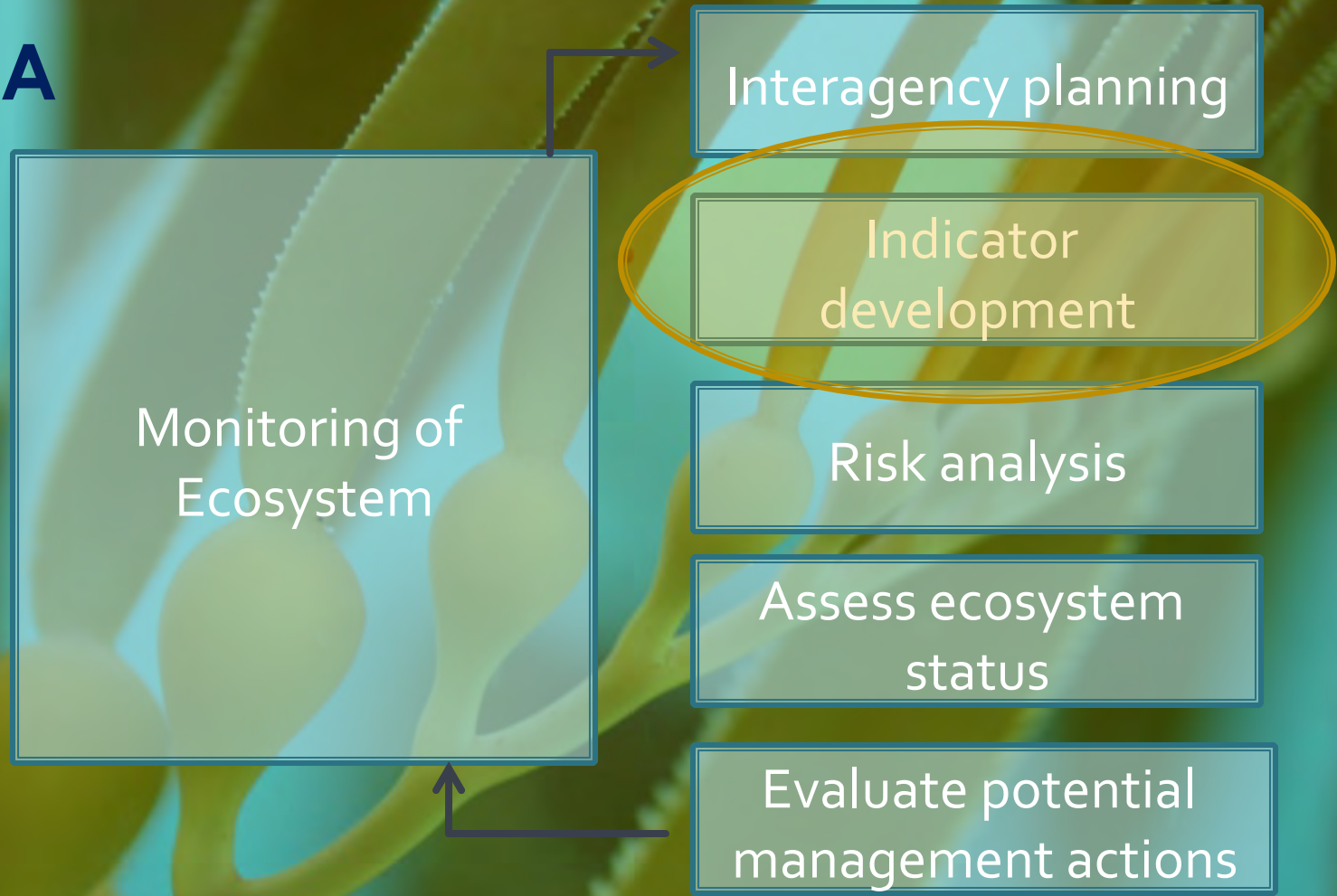
Step 1. Information gathering

Methods

- Integrated Ecosystem Assessment
 - Workshops
 - Stakeholder input
 - Interagency Consultations
 - Information synthesis
- 

Step 1: Information Gathering Integrated Ecosystem Assessment MBNMS

Steps of IEA



Step 1: Information Gathering

Integrated Ecosystem Assessment

MBNMS

Integrated Ecosystem
Assessment products for
MBNMS



1. Status report of ecosystem health
2. Modeling different management scenarios to test model
3. Increased scientific underpinning for Ecosystem based management

Step 1: Information Gathering Research Areas workshop MBNMS

Goal: To identify guidelines and criteria for research areas to address critical research questions related to management needs in MBNMS

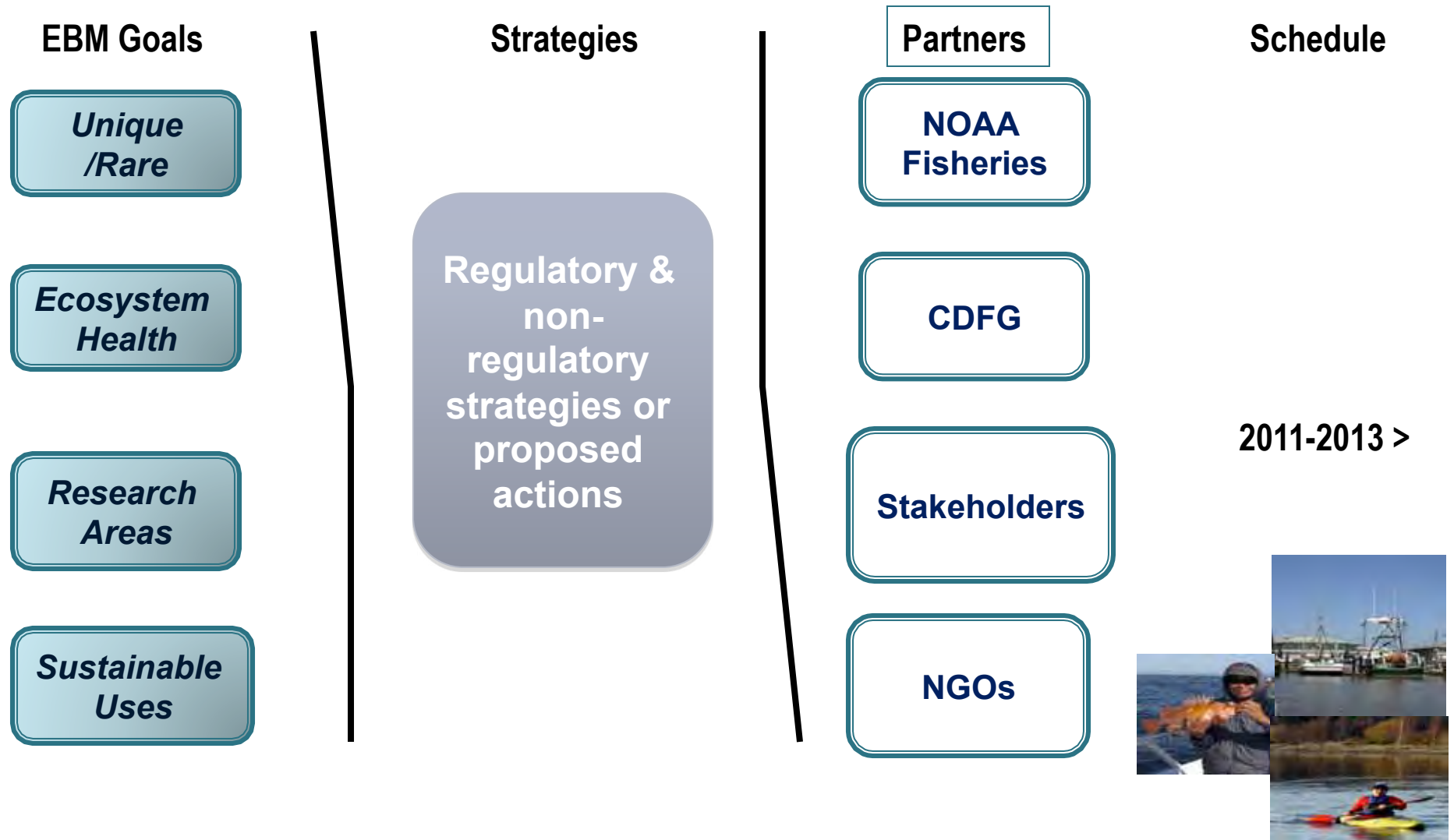
Objectives:

- 1) Define types of areas needed
- 2) Review existing zoning and current activities
- 3) Identify management questions that require research areas
- 4) Discuss how existing zones can fulfill research needs
- 5) Conduct compatibility analyses of proposed activities

Step 1. Information gathering Research Areas workshop

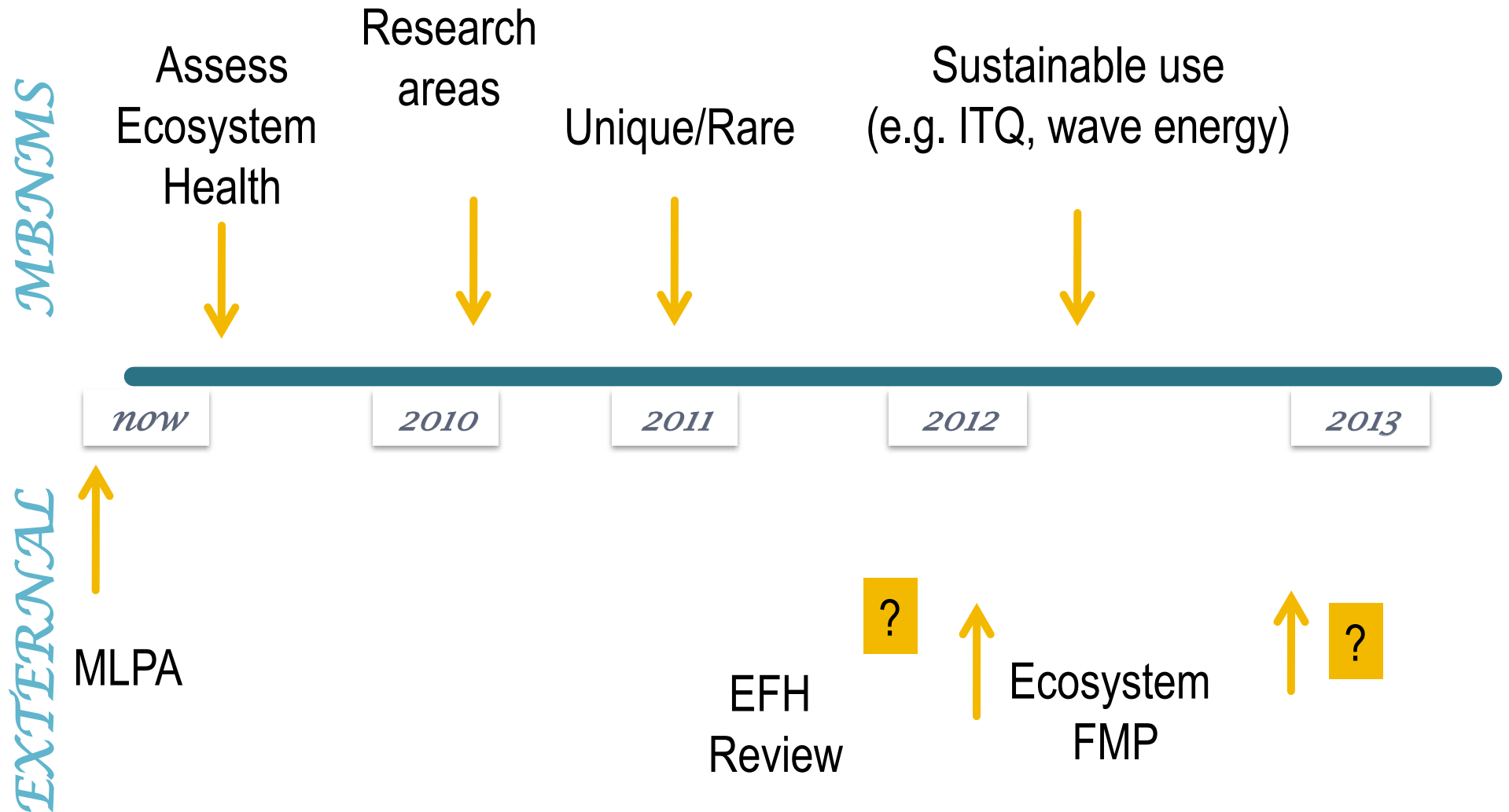
- October 26-27th, National Marine Fisheries Service Santa Cruz Lab
- **Participants:** Expert scientists with experience in MBNMS. Collaborative partners (e.g. fishermen). EBM SubCommittee.
- Open to the public
- Solicited input from EBM Subcommittee for attendees. Please give me your additional comments by August 31st
Rikki.dunsmore@noaa.gov

Step 2: Propose and implement strategies



Step 2: Propose and implement strategies

Coordinate with other processes



Step 2. Propose and implement strategies

Approximate timeline

Information Gathering

Criteria development

Proposed actions & strategies

Sustainable use pilot projects

Stakeholder input

*Marine Spatial plan
development*

*Review
& Implement*

now

2011

2012

2013

2014

Overview

EBM Goals

*Unique
/Rare*

*Ecosystem
Health*

*Research
Areas*

*Sustainable
Uses*

Steps

**Step 1:
Information
gathering and
analyses**

**Step 2:
Propose and
implement
strategies**

**Step 3:
monitor
assess
adapt**

Partners

**NOAA
Fisheries**

CDFG

Stakeholders

NGOs

Schedule

2010 ~ 2013 >

Thank you.....



*Enhanced
Ecosystem Health*