

# Overview

## NOAA Science Integration Project

- **Impetus** - Scientific uncertainty on role of MPAs in fishery mgmt.
- **Goal** - Develop synthesis approach for MPA science integration.
- **Principals** - NMFS-Santa Cruz Lab (SCL)  
NOAA MPA Center-Science Institute (NMPAC-SI)
- **Timeline** - Proposal funded      **June 2003**  
NOAA Organizing Committee      **Feb 2004**  
Working group meetings      **Fall 2004 - Summer 2006**  
1<sup>st</sup> working group meeting      **Sept 2004**

# MPA Demonstration Project

- 1) NOAA Science integration
- 2) Policy integration
- 3) MPA implementation phase

- *Goal* - Science integration goal expanded to include policy and implementation phases
- *Principals* - NMFS-SCL, NMPA-SI and PFMC
- *Timeline* - Initial development - **Summer 2003**  
Science integration - **2003 - 2006**  
Policy integration and MPA implementation phases to follow science integration

# NFCC Science Consensus Conference

## National Fisheries Conservation Center

- **Goal** - Develop a consensus statement on the state of the science of marine reserves for fishery management.
- **Principals** - NFCC
- **Timeline** - project development  
Organizing committee  
Consensus Conference
  - summer 2003
  - Nov 2003
  - June 7 - 9, 2004
- **Outcome** - final document at [www.nfcc-fisheries.org](http://www.nfcc-fisheries.org)

# PFMC - SSC Marine Reserves Subcommittee

- **Goal** - Develop a white paper to evaluate implications of marine reserves for fishery management and define SSC expectations of marine reserve proposals submitted to PFMC.
- **Principals** - PFMC - SSC
- **Timeline** - subcommittee formation **2001**  
white paper **June 2004**

Concepts from the draft white paper have been used to inform the NOAA science integration process

# NOAA Science Integration Project

- *Goal* - Develop the scientific information necessary to integrate MPAs within the broader context of fishery science and management
- *Objectives*-
  1. Convene a NOAA-wide planning group to determine the scope and main questions (*attachment A*) and goals of investigation.
  2. Assemble a working group with appropriate expertise to discuss the issues, conduct meta analyses and synthesize an approach for integration of MPAs with conventional fishery science and management.
  3. Produce a proceedings, peer reviewed papers, 'a blueprint' for integration of MPAs with conventional fishery science and management.
  4. Establish a postdoctoral appointment and graduate fellowship.

# Goals for This Presentation

1. Provide an update to the PFMC (its advisory panels, SSC) on our project.
2. Present the list of topics/questions developed by the NOAA planning team.
3. Request comments from the PFMC on ways to improve/refine topics to address critical science gaps the PFMC has.

# List of MPA Topics for Working Group Consideration

- A) MPAs and management of natural resources  
(fisheries and natural heritage)
- B) MPAs and conventional fishery management
- C) MPAs and natural heritage management
- D) MPAs as insurance in the face of uncertainty
- E) MPA design and evaluation





# Overview

## NOAA Science Integration Project

- Impetus - Scientific uncertainty on role of MPAs in fishery mgmt.
- Goal - Develop synthesis approach for MPA science integration.
- Principals - NMFS-Santa Cruz Lab (SCL)  
NOAA MPA Center-Science Institute (NMPAC-SI)
- Timeline - Proposal funded      June 2003  
NOAA Organizing Committee      Feb 2004  
Working group meetings      Fall 2004 - Summer 2006  
1<sup>st</sup> working group meeting      Sept 2004

# MPA Demonstration Project

- 1) NOAA Science integration
- 2) Policy integration
- 3) MPA implementation phase

- Goal - Science integration goal expanded to include policy and implementation phases
- Principals - NMFS-SCL, NMPA-SI and PFMC
- Timeline - Initial development Summer 2003  
Science integration 2003 - 2006  
Policy integration and MPA implementation phases to follow science integration

# NFCC Science Consensus Conference

## National Fisheries Conservation Center

- *Goal* - NIH process with blue ribbon panel and expert presenters to reach agreement on key scientific issues with respect to MPAs and fishery management. Similar goals as the NOAA process and outcome will inform NOAA process
- *Principals* - NFCC, COMPASS, and PISCO
- *Timeline* - project development summer 2003
- *Organizing committee* (Grimes, Fogarty and Methot) Nov 2003
- *Consensus Conference* June 7 - 9, 2004
- *Outcome* - add this from Kate Wing

# PFMC - SSC Marine Reserves Subcommittee

- Goal - Develop a white paper to evaluate implications of marine reserves for fishery management and define SSC expectations of marine reserve proposals submitted to PFMC.
- Principals - PFMC SSC
- Timeline - subcommittee formation 2001  
white paper June 2004

Draft white paper concepts have been used to inform the NOAA science integration process

# NOAA Science Integration Process

- Goal - Develop the scientific information necessary to integrate MPAs within the broader context of fishery science and management
- Objectives-
  1. Convene a NOAA-wide planning group to determine the scope and main questions (attachment A) and goals of investigation.
  2. Assemble a working group with appropriate expertise in fishery and ecosystem science and management to participate in a series of meetings to discuss the issues, conduct meta analyses and synthesize an approach for integration of MPAs with conventional fishery science and management.
  3. Produce a proceedings of the working group and peer reviewed papers that will serve as a blueprint for integration of MPAs with conventional fishery science and management
  4. Establish a postdoctoral appointment and graduate fellowship to conduct research relevant to understanding the role MPAs play within fishery science and management and support the working group

# Goals for This Presentation

1. Provide comment to the PFMC on the list of topics/questions developed by the NOAA planning team.
2. Provide us with comments on ways to improve/refine topics to address critical science gaps the PFMC needs.

# List of MPA Topics for Working Group Consideration

- A) MPAs and management of natural resources  
(fisheries and natural heritage)
- B) MPAs and conventional fishery management
- C) MPAs and natural heritage management
- D) MPAs as insurance in the face of uncertainty
- E) MPA design and evaluation