

NOAA Fisheries Draft Climate Science Strategy

NOAA FISHERIES

Council Briefing | January 2015

Draft Climate Science Objectives

| Objective 1 | Identify appropriate, climate-informed reference points. |
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| Objective 2 | Identify robust management strategies. |
| Objective 3 | Implement adaptive decision processes that respond to changing climate conditions. |
| Objective 4 | Identify likely future states to plan for. |
| Objective 5 | Identify mechanisms of climate effects to improve projections and responses. |
| Objective 6 | Track trends and provide early warnings of change. |
| Objective 7 | Strengthen the science infrastructure required to fill these needs. |



Draft Climate Science Objectives

1. Climate-Informed Reference Points

2. Robust Management Strategies

3. Adaptive Management Processes

4. Robust Projections of Future Conditions

5. Information on Mechanisms of Change

6. Status, Trends and Early Warnings

7. Science Infrastructure to Produce and Deliver Actionable Information



Recommendations— Immediate Actions

- Conduct LMR climate vulnerability analyses in each region.
- 2 Maintain and develop Ecosystem Status Reports to track change and provide early-warnings.
- 3 Increase capacity to conduct climate-informed Management Strategy Evaluations



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3 Increase capacity to conduct climate-informed Management Strategy Evaluations



Recommendations— **Short-term Actions (6-24 months)**

| 1 | Complete region-level action plans. |
|---|--|
| 2 | Strengthen climate-related science capacity nation-wide. |
| 3 | Increase resources for process-oriented research. |
| 4 | Establish climate-ready terms of reference for ESA, MSFCMA, MMPA stock assessments and Biological Opinions, etc. |



Questions?

www.st.nmfs.noaa.gov/ecosystems/climate



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