

The 6th National Meeting of the Scientific Coordination Subcommittee of the Council Coordination Committee

*The Use of Management Strategy Evaluation (MSE) to Inform Management Decisions Made by the
Regional Fishery Management Councils*

Kona Kai Resort and Spa
1551 Shelter Island Drive
San Diego, CA 92106

January 17-19, 2018

Telephone: 619-221-8000

Wednesday, January 17

1. Use of MSEs in Evaluating and Modifying Harvest Control Rules

1.1 Example Applications from Each Region: Recent Past, Ongoing, and Foreseen in the Near Future; Lessons Learned

1.2 Clarifying Objectives, Incorporating Stakeholder Input, and Social/Economic Evaluation

Thursday, January 18

1. Use of MSEs in Evaluating and Modifying Harvest Control Rules (continued)

1.3 Role of MSEs in Informing and Advancing Ecosystem-Based Fisheries Management

1.4 Multi-Year Status Determinations, Assessment Frequency, Setting Acceptable Biological Catches (ABCs) Between or Without Assessments, and Phase-in of ABC Changes

2. Estimating and Accommodating Uncertainty

2.1 Model Selection and Multi-Model Inference

Friday, January 19

2. Estimating and Accommodating Uncertainty (continued)

2.2 Risk Assessment Methods (Quantitative and Qualitative) for Evaluating Uncertainty in Overfishing Limits, Stock Biomass, and F

2.3 SSC Communication of Uncertainty and Risk in Management Decision-Making

3. Adjusting Harvest Control Rules (HCRs) in Changing Environments/Non-Static Maximum Sustainable Yield (MSY)

3.1 Modifying HCRs and MSY to Adapt to Regime Shifts and Long-Term Drift in Stock Productivity

3.2 Incorporating Short-Term Perturbations in Stock Productivity into HCRs and Rebuilding Plans

3.3 Using MSE to evaluate HCRs That are Either Robust to or Adaptive to Changes in Stock Productivity

Suggested Topics and Format for SCS7

The meeting concluded with a discussion looking forward to the SCS7 meeting. The group first discussed potential topics for SCS7, and while no clear single topic emerged as the consensus choice, a tentative attempt was made to group topics by priority as follows:

Top priority topics:

- Integrated biological, social and economic assessments.
- Effective communication and coordination among SSCs, Councils, and stakeholders (it would be helpful to invite communication experts to such a meeting)
- Identifying representative approaches for climate and fishery impacts analyses
- Recreational fisheries surveys, assessment and modeling
- Alternatives to MSY. Defining OY in ways that consider ecosystem and economics
- Multi-model inference

Lesser priority topics:

- Improved processes for setting harvest specifications
- Lessons learned in the evolution of regional SSC processes (rate process steps)
- Ways to implement flexible arrangements (include data-poor species)
- Technical interactions with "choke" species
- Ways to incorporate impacts on protected species in models

It was further noted that the choice of topic(s) would likely be affected by which Council hosted the next meeting.