



# NOAA FISHERIES Webinar Series

Sponsored by the

## Quantitative Ecology and Socioeconomics Training (QUEST) Program

### Webinar Details:

**Date:** Tuesday, December 5, 2017

**Time:** 2 - 3 pm EDT

**Space is limited. Reserve your seat at:**

<https://goo.gl/5CLf3Y>

**Topic:** The Dream and the Reality: Meeting decision-making time frames while incorporating ecosystem and economic models into management strategy evaluation

**Presenters:** **Jon Deroba**  
NOAA Fisheries

**Sarah Gaichas**  
NOAA Fisheries

**Min-Yang Lee**  
NOAA Fisheries



**Abstract:** Management strategy evaluation (MSE) uses simulation to evaluate the trade-offs involved with alternative management options in the face of uncertainty. MSEs require time, however: time for stakeholder input, time for data collection, and time for model development. Fishery managers may want to make decisions within time frames that are inconsistent with the time required to thoroughly construct an MSE. What, then, are scientists to do when faced with the conflict between wanting to construct their ideal MSE and providing managers with timely information for decision-making? This presentation chronicles our experience developing an MSE on a very truncated timetable (<12 months) required to meet management time frames. We evaluate the relative performance of herring harvest control rules at achieving stakeholder-defined objectives, and identify lessons learned throughout the process, especially as they relate to using MSE as a tool to advance an ecosystem based approach to management.

**Biographies:** **Jon Deroba** is a Research Biologist at the NEFSC that conducts research on stock assessments and leads efforts in MSE. He is the lead assessment scientist for Atlantic herring. He serves on the New England Fishery Management Council's Herring Plan Development Team, the NOAA Fisheries national MSE Working Group, the NEFSC's MSE working group, and the Mid-Atlantic Fishery Management Council's Ecosystem Fishery Management Action Team. **Sarah Gaichas** is a biologist at the NOAA Northeast Fisheries Science Center (NEFSC) who has conducted research on food web modeling and integrated ecosystem assessment in the Northeast U.S. and Alaska. She co-chairs the NOAA Fisheries national Management Strategy Evaluation (MSE) Working Group, and serves on the Mid-Atlantic Fishery Management Council's Scientific and Statistical Committee. **Min-Yang Lee** is an economist at the NEFSC who has conducted research on seafood marketing and demand, recreational fishing, policy analysis of the scallop fishery, and economic geography. He serves on the New England Fisheries Management Council's Herring Plan Development Team.

**For more information, contact:**

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**Webinar System Requirements:**

**PC:** Windows® 8, 7, Vista, XP or 2003 Server

**Mac:** Mac OS® X 10.6 or newer