# Cara (Groundfish Biology and Ecology)

Big Picture Questions

* What have we learned about skipped spawning in fishes and its influence on management?
* Why does maturity and fecundity vary over time?
* Why are reproductive dynamics important to understand and incorporate in the management process?
* What are some methods we can use to better predict skipped spawning and the probability of being mature? What sorts of data are needed in this context?
* Synthesize the current state of knowledge of reproduction for Alaska sablefish and potential developments for this species.
* How can reference points better consider the reproductive biology of a species?
* What are some ways of accounting for skipped spawning in an assessment context?
* What are some alternative metrics we can use in our assessments?
* Why is it important to account for age-diversity in the SSB for our metrics in stock assessments?
* Is SSB a good measure of egg production?
* What are some core assumptions of SSB? Consequences if SSB is not proportional to egg production?

# Pete (AI Pcod, Stock Structure, HCR, FMP Plans)

## Pacific Cod Assessment Structure

## Tier System in NPFMC and Management Measures

# Dan (Stock Structure)

## Pacific Cod Stock Structure

## Stock Identification Methods