

COASTAL PELAGIC SPECIES MANAGEMENT TEAM REPORT ON RESEARCH AND DATA NEEDS

The Coastal Pelagic Species Management Team (CPSMT) discussed the top science and management challenges and key topics associated with those challenges found in Agenda Item D.3, Attachment 1, and recommend the following:

Challenge 1: Data Limited Stocks

- Add CPS to the list of Fishery Management Plan (FMP) examples for the Topic “Need for life history data to improve stock assessments”.

Challenge 2: Fishery impact projections

- Add CPS to the list of FMP examples for the Topic “Better understanding of movement and changes in distribution, especially in relation to climate forcing”, and move this Topic under Challenge 4.
- For the Topic “Evaluate methods for apportionment of biomass within U.S. waters” add Science to the Science and/or Management column.

Challenge 3: Socioeconomic resilience

- Add CPS to the list of FMP examples for the Topic “Develop management strategies that are robust to forecast errors”.

Challenge 4: Intersection of ecosystem dynamics and fishery science/management

- Add CPS to the list of FMP examples for the Topic “Integration of ecosystem indicators and climate change impacts into stock assessments; Develop more robust methods to integrate ecosystem information into stock assessments”.
- Add the Topic “Develop an alternative to the temperature-recruitment relationship (E_{msy}) based on the California Cooperative Oceanic Fisheries Investigations (CalCOFI) temperature index time series for Pacific sardine” for the CPS FMP under Science and Management.
- Add CPS to the list of FMP examples for the Topic “Ability to react faster to new information (e.g. fishery changes, science, etc.)”.

Additionally, the CPSMT notes that a Challenge focused on habitat issues *per se* may be useful to add to the list as there are Topics related to essential fish habitat that may best fit under that Challenge for many fishery management plans, including CPS.