

Developing Future Scenarios for Climate Change in the California Current Ecosystem

Update to Council

September 2020

Items to Cover

Reminder of the CCI climate change scenario planning exercise

Update on work conducted since March 2020

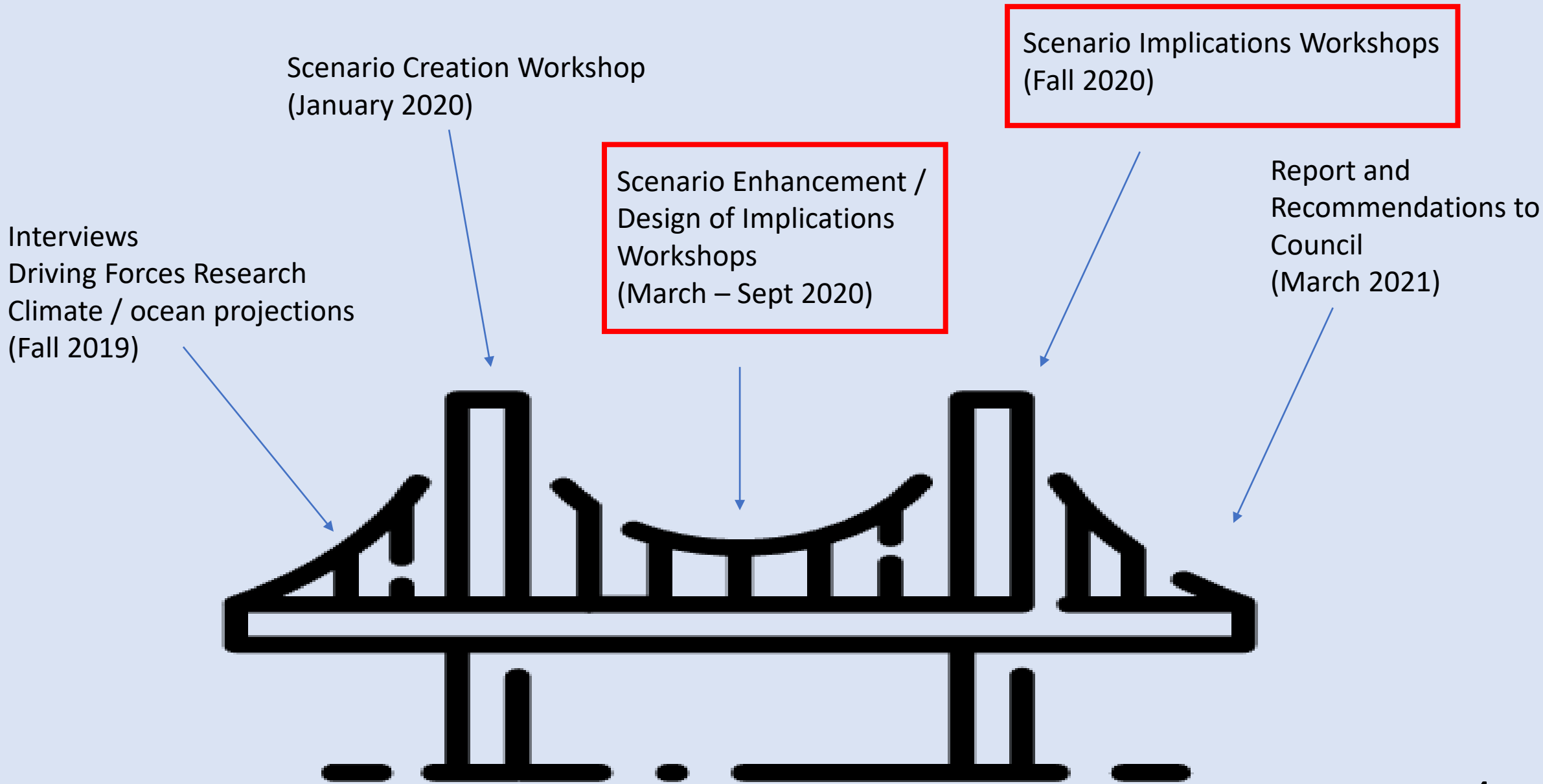
Brief review of updated scenarios

Proposal for forthcoming series of 'implications workshops'

Scenario Project Objectives

- Explore how climate-related shifting stock availability and other factors might affect west coast fishing communities over the next 20 years
- Define and develop tools, products and processes so that management and communities can navigate uncertainty and react to potential future states

Process Overview

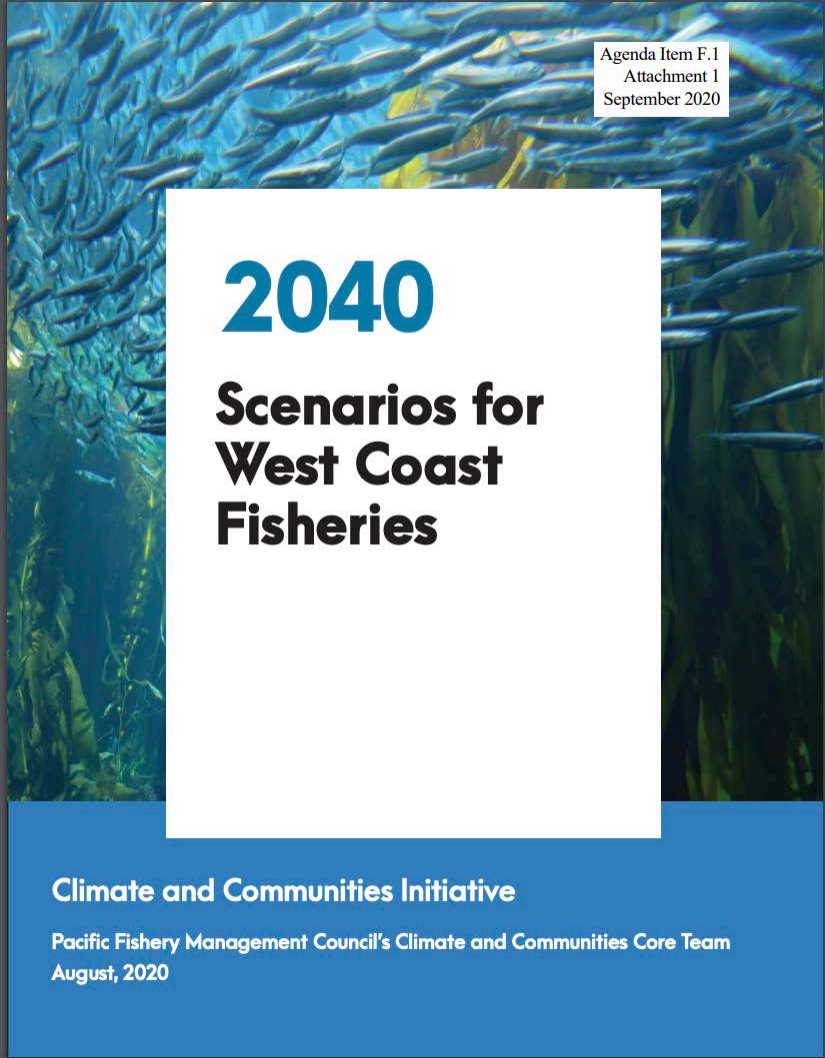


March – September 2020 Update

Scenario Enhancement

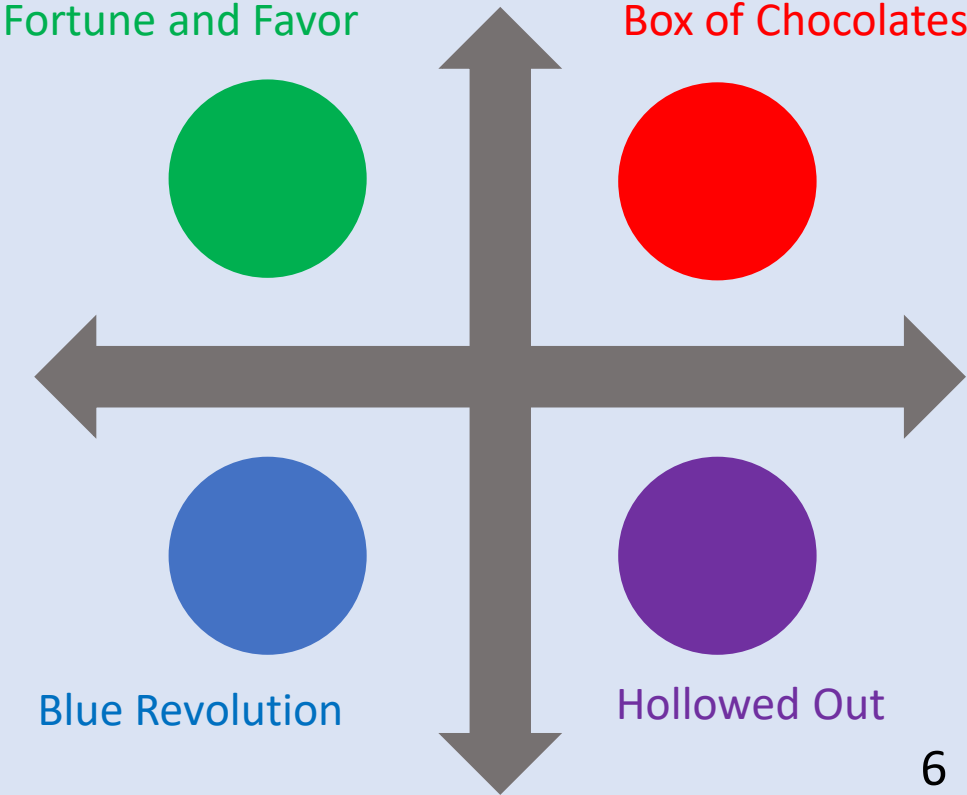
- Clarified the underlying conditions of each of the four scenarios
- Further developed the narratives and themes in each
- Considered the impacts of the scenarios on key species within and across the Council's four fishery management plans
- Conducted six 2-hour webinars with Council Advisory Bodies
- Reviewed webinar input, added details and created a final draft of the scenario descriptions

Final Scenario Descriptions

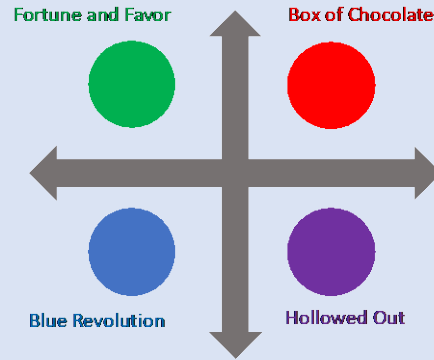
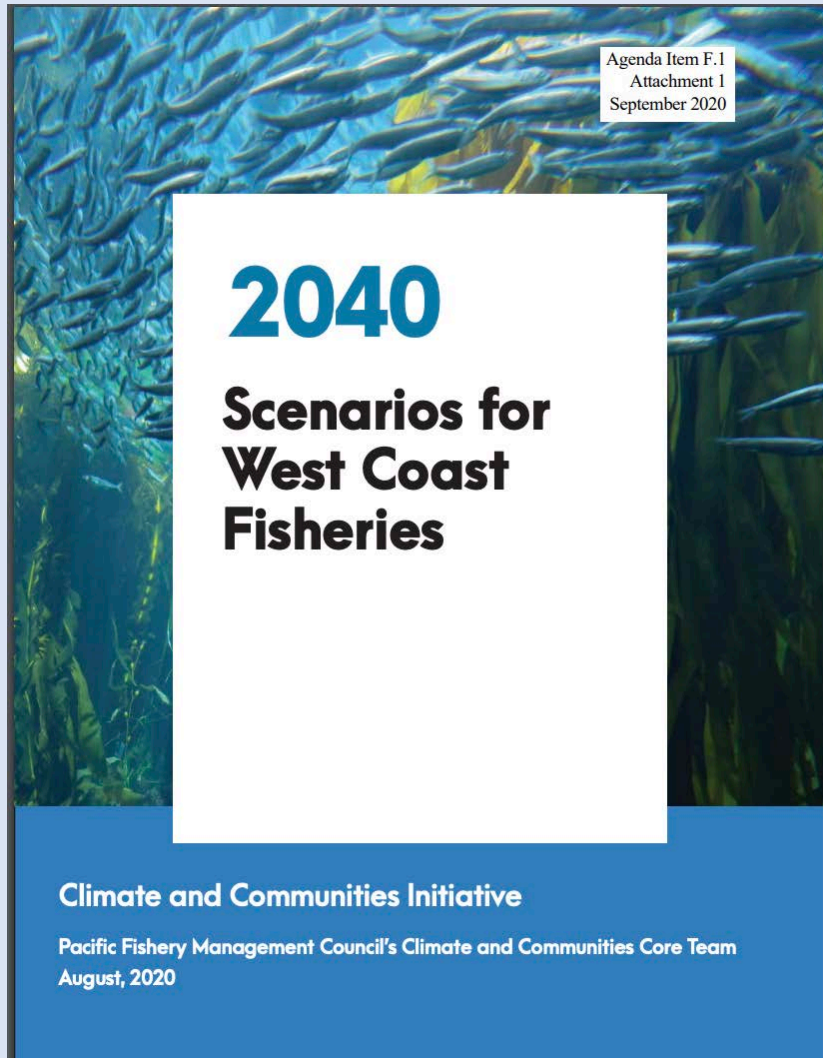


Prudent Assumptions

Four Scenarios



Final Scenario Descriptions



- Physical Drivers
- Policy, Market & Technological Conditions
- Ecosystem Responses

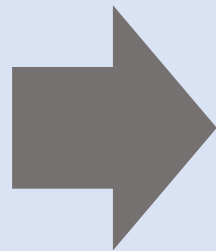
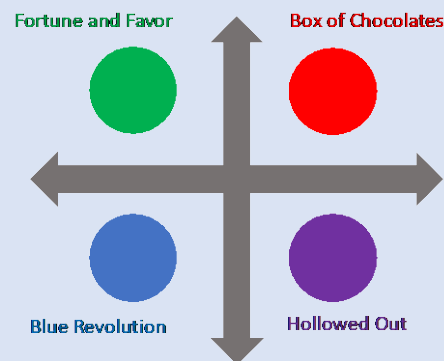
Coastal Pelagic Species
Highly Migratory Species
Groundfish
Salmon

Cross-FMP Implications

Comments or questions on the final scenario descriptions?

Implications Workshops

- Use the scenarios to identify specific challenges that could be faced by communities, regions and players in the West Coast fishing industry
- Generate suggested actions that the Council (and other stakeholders) could take in order to better prepare for a future of climate change



What should Council (and other stakeholders) do now to prepare for each and any of these future scenarios?

Implications Workshops

- Four workshops, each focused on a “region” (WA, OR, NorCal, SoCal)
- Virtual workshops, each lasting ~2 days
- 20-30 participants in each workshop
- Participants drawn from a diverse range of backgrounds / connections to West Coast fishing

Comments or questions on the design / proposal?

Suggestions for individuals who should be invited to participate?