

MODEL SCENARIO COMMITTEE

- **Goal of the Scenario Committee is threefold**
 - Transparency: We want all sectors to know what scenarios we are running
 - Collaboration: Try to design scenarios that everyone will agree are managerially meaningful
 - Leveraging: Shared funding when there is mutual interest in scenarios
- **The Committee is a discussion body, not an approval body**
 - We will run scenarios individual member agencies would like to support
 - But the Committee will help us avoid silos if possible
- **The CTAG Modeling Committee is available to support this Committee**
 - Some model run details may require assistance with technical details

COMMITTEE MEMBERSHIP

- **Three POTW representatives (Lan Wiborg, Steve Wagner, Lorien Fono)**
- **Three Regulators (Karen Mogus, Dave Gibson, Justine Kimball)**
- **Two NGO (Sean Bothwell, California Coastkeeper Alliance, Serge Dedina, WildCoast)**
- **Chair of the CTAG Modeling Committee is ex officio (Ami Latker)**

THREE TYPES OF DISCUSSION

- **Share thoughts on scenarios**
- **How scenarios are run**
- **Best form for model outputs**

POTENTIAL SCENARIO DISCUSSIONS

- **Different classes of management scenarios**
 - Nutrient input reduction
 - Carbon dioxide removal
 - Alteration in global stressors
- **Levels of change within a class**
- **Timing of changes**
 - For instance, how long would it take to implement nutrient reductions?
 - What is the presumed change in global CO₂ inputs during that implementation period?
- **Spatial scope of changes**
 - Similar levels of change at all facilities or a particular subset

SCENARIO IMPLEMENTATION DISCUSSIONS

- **How many years do we run the model for?**
 - Which years?
- **What model resolution**
 - 1 km vs. 300m
- **What geography**
 - All of southern California
 - Just State waters
 - Areas of particular concern (e.g. MPAs)
- **These decisions affect cost substantially**
 - The Committee will explore the most cost-effective approach for each scenario

MODEL OUTPUT

- **Chemistry or biology?**
 - Model produces chemistry, but we have focused output on biology
 - Biology involves post-processing of chemistry output
- **Which biology?**
 - So far we have focused on pteropods for acidification and anchovies for hypoxia
 - We can use whatever species you prefer
- **Spatial and temporal integration**
 - So far, we have focused on volume of lost habitat
- **Model uncertainty**
 - What type of uncertainty would you like us to include with the output?