

**Report-out from Southern Coastal Systems
Day 2 of RECOVER/SCG Science Meeting
January 24, 2017**

The team determined that it was premature to vote on how effects from drivers have changed or will change because our drivers and stressors for the CEMs changed as of today. Plus, we decided to focus on reviewing/revising the CEMs to the extent we could while we had the brainpower in the room.

Also, note that because there is so much overlap and similarity between the 3 CEMs we may be combining all 3 CEMs into one, but that remains to be determined depending on how the “Effects” and “Attributes” aspects unfold.

For **Drivers** (common to all 3 SCS CEMs):

1. Global Climate Patterns
 Sub-drivers include: climate cycles, climate change (temp, precip), SLR, and extreme weather events
2. Water Demand and Management
3. Land Use/Land Change
4. Rec fisheries
5. Invasive Exotics Introductions

For **Stressors** (common to 3 SCS CEMs):

1. Altered freshwater inflow
2. Inundation (water depth and hydroperiod)
3. Hydrodynamics energy (waves, currents, f.w. flow) – erosion
4. Nutrient inputs
5. Contaminants
6. Predation, competition and disease
7. Habitat availability (habitat loss and compression)
8. Fishing harvest, disturbance, debris
9. Temp, salinity, sulfides, and DO

The team developed broad “Effects” categories and started the process by cross checking the pertinent information in the hypothesis clusters against the CEMs.

Broad “Effects” categories include:

1. Salinity patterns
2. Water quality/algae blooms (phyto and macroalgae)
3. SAV
4. Mangrove (mainland and island)
5. Hardbottom
6. Aquatic preybase
7. Oysters

8. Soft bottom
9. Predator/prey interactions

The plan is to plug in the hypothesis clusters into those broad categories where we can and pull in information from the MARES CEMs.

The team also determined that the **Hypothesis Clusters** need review and revision, too.