



# Science Advisory Committee

Feb 25, 2022

(Please type your name/affiliation in chat!)

# Today's Agenda

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- **Welcome back!**
  - **SAC Co-Chairs Drs. Amy Hunter and John Lehrter**
- **Purpose and charge of the SAC—Amy Hunter**
- **Progress and next steps for the Matrix—Dr. Missy Partyka**
- **Introduction to JamBoard session on monitoring—Missy Partyka**
  - **Activity—Breakouts/boards for habitats, ES, and stressors**
- **Announcements**
- **Adjourn**

# Hello new members!



- Ronny Bond, UC-Davis
- P.J. Waters, Auburn University

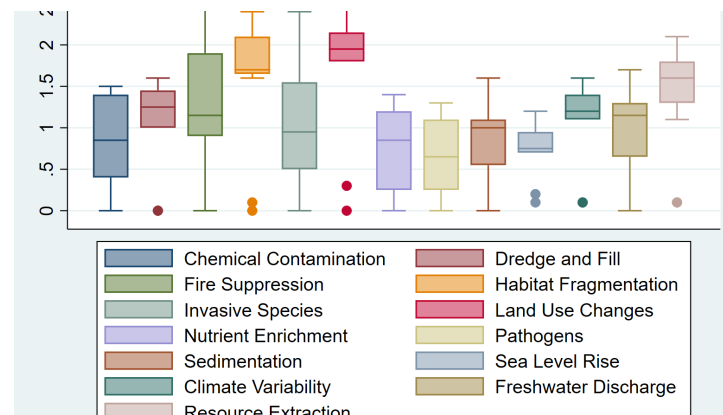
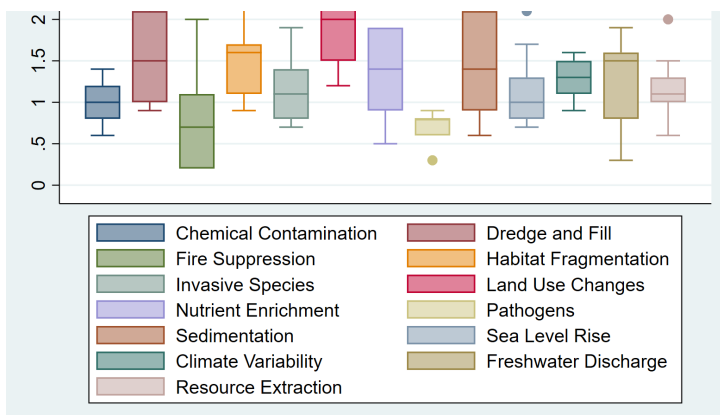
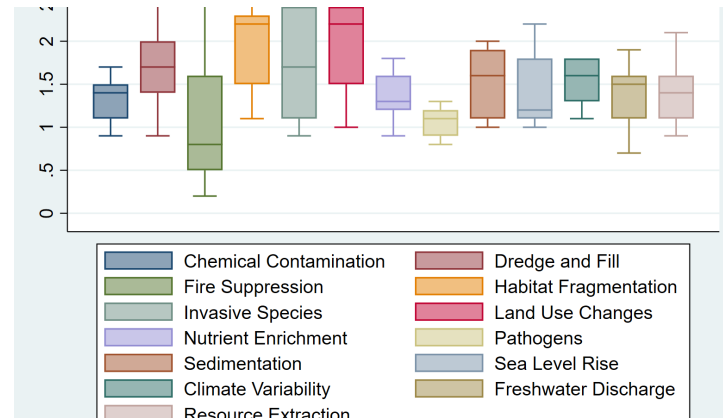
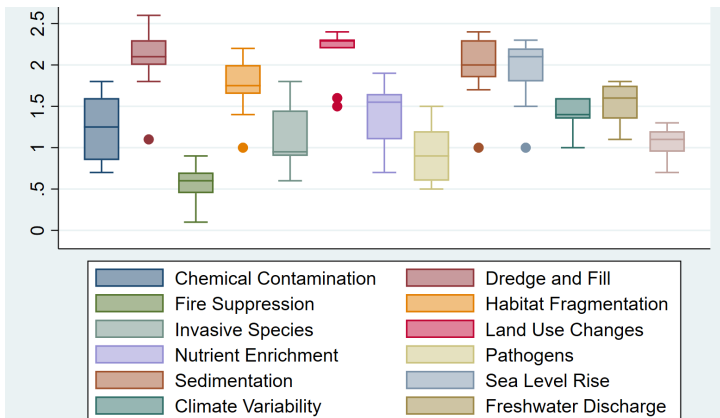


# Stressing the need for the matrix!



Habitat	Ecosystem Services	Top Stressors
<b>Freshwater Wetlands</b>	Nesting Habitat	Land-use Change
	Biodiversity	Fragmentation
	Wildlife	Dredging and Filling
	Fisheries	
<b>Intertidal Marshes and Flats</b>	Biodiversity	Sedimentation
	Fisheries	Sea Level Rise
	Wildlife	Fragmentation
	Water Quality	
<b>Streams, Rivers, and Riparian Buffers</b>	Fisheries	Freshwater Discharge
	Biodiversity	Land-use Change
	Water Quality	Sedimentation
	Sediment (retention)	

# 2012 Summary



- 29 respondents, 13 from the SAC
- Responses prioritized by habitat and ES
- Biodiversity and fisheries cross-cutting ES
- Sedimentation and Land-use/Fragmentation cross-cutting Stressors

			Ecosystem Services		Average	Responses
			Aesthetics		3.40	15
			Biodiversity		2.47	15
			Carbon Sequestration		1.84	15
			Commercial Fishing		2.65	15
			Cultural, Spiritual, and Historic		2.97	15
			Fisheries habitat		2.17	15
			Flood control		1.48	15
			Food		2.00	15
			Groundwater replenishment		0.65	15
			Health		1.84	15
			Medicinal Resources		0.27	15
			Nesting habitat for birds and turtles		1.31	15
			Oyster production		2.02	15
			Primary production		1.97	15
			Recreation		2.83	15
			Science and Education		1.58	15
			Sediment and nutrient retention and export		1.76	15
			Storm buffer/hazard protection		1.71	15
			Tourism		2.47	15
			Water quality enhancement		2.55	15
			Wildlife habitat		2.40	15
Habitats	Average	Responses				
Beaches and Dunes	0.33	42				
Estuaries	6.38	42				
Freshwater Wetlands	1.73	42				
Human ecosystem	1.07	21				
Intertidal Marsh and Flats	3.24	21				
Longleaf Pine Habitat	0.04	21				
Maritime Forest	0.11	21				
Oyster Reefs	3.10	21				
Pine Savanna Forest	0.10	21				
Shoreline	1.16	21				
Streams and Rivers	4.21	21				
Submerged Aquatic Vegetation	2.71	21				

# Jamboard session

- We will have 3 jamboard session going on where you will be asked to give us your opinions about monitoring priorities for habits, ES, and stressors based on the current CCMP.
  - Habitats: Freshwater wetlands, intertidal marshes/flats, and streams/rivers/riparian buffers
  - Ecosystem Services: Nesting habitats, biodiversity, fisheries, wildlife, and water quality
  - Stressors: Land-use change, fragmentation, dredging/filling, freshwater discharge, sediment, and sea level rise
- If we have time, we'll do a free for all!

