

**INFORMATION NEEDS FOR CMSP IN CORAL REEF ECOSYSTEMS:
A PROPOSED EXERCISE TO IDENTIFY REGIONAL/ISLAND-SPECIFIC PRIORITIES
AT THE WORKSHOP ON RESILIENT CORAL REEFS
October 19, 2011**

NAME: _____ AFFILIATION: _____ LOCATION: _____

Topic	Examples	Current Info Status: Step 2 (Good, Fair or Poor)	Priority Info Gaps: Step 3 (Top 5)	Challenges / Notes (fill in)
Ecosystem Structure, Function and Services				
Coral reef habitat and community distributions	Fore reef, back reef, atolls, near shore ridge, inner reef, middle reef, outer reef			
Submerged aquatic vegetation and seagrass habitat and community distributions	sea grass, lagoons,			
Emergent vegetation and mangroves habitat and community distributions	estuaries			
Other major habitat types and community distributions	pelagic, water column, sand flats, oysters			
Oceanographic features and processes	Currents, sea mounts, fronts, channels, vents, bathymetry, elevation, shoreline, substrate types, salinity, temperature, pH, upwelling, water clarity			
Natural hazards and other risks	Storms, sedimentation, bleaching, disease, fresh water plumes, earth			

Topic	Examples	Current Info Status: Step 2 (Good, Fair or Poor)	Priority Info Gaps: Step 3 (Top 5)	Challenges / Notes (fill in)
	quake, volcano, sea level rise, acidification			
Ecological processes	Migrations, mating, spawning, nurseries, feeding, connectivity, production, food webs, estuarine/coastal exchange			
Important species	Threatened/endangered, top predators, forage, habitat formers, invasives, charismatic			
Indices of ecosystem health	Ecologically important / vulnerable areas, cumulative impacts, water quality, biodiversity,			
Ecosystem services <i>(Others? Fill in)</i>	Use and non-use			
Extracted Resources				

Topic	Examples	Current Info Status: Step 2 (Good, Fair or Poor)	Priority Info Gaps: Step 3 (Top 5)	Challenges / Notes (fill in)
Energy	Wind, wave, tidal, OTEC			
Minerals	Sand, limestone			
Biological	Fish, shellfish, other inverts, algae, birds			
<i>(Others? Fill in)</i>				
Human Dimension: Social, Cultural, Economic				
Ocean use patterns	Current + emerging uses, coastal development, fishing activities, diving activities, recreational boating, etc.			
Economic benefits of uses	Local/regional, market/non-market			
Use conflicts + compatibilities	Aquaculture vs. jet skis			
Culturally significant areas	Tribal + native peoples' ceremonial sites			
Historically significant areas	Shipwreck sites			

Topic	Examples	Current Info Status: Step 2 (Good, Fair or Poor)	Priority Info Gaps: Step 3 (Top 5)	Challenges / Notes (fill in)
<i>(Others? Fill in)</i>				
Infrastructure				
Maritime operations	Ports, harbors, marinas			
Cables	Telecommunications, research			
Energy	Oil platforms, pipelines, wind mills, hydroturbines			
Military	Bases, training areas			
<i>(Others? Fill in)</i>				
Place-Based Governance				
Marine Protected Areas	State reserve, national parks			
<i>De Facto</i> MPAs	Ocean areas restricted for safety, security and operations			
Leases and other rights	Oil & gas exploration, aquaculture			
Other spatial management	Fishing regulations, water quality standards, SMZs (Special			

Topic	Examples	Current Info Status: Step 2 (Good, Fair or Poor)	Priority Info Gaps: Step 3 (Top 5)	Challenges / Notes (fill in)
	management zones)			
Tribal / native peoples' management	Traditional stewardship methods			
Community based management	Agreements among local stakeholders			
<i>(Others? Fill in)</i>				
Decision Support Tools				
Assess conflicts and compatibilities among co-occurring ocean uses				
Analyze implications of tradeoffs among competing ocean uses				
Visualize place-based consequences specific ocean use scenarios				
Project impacts of climate change on ecosystems and their uses				
<i>(Others? Fill in)</i>				

Topic	Examples	Current Info Status: Step 2 (Good, Fair or Poor)	Priority Info Gaps: Step 3 (Top 5)	Challenges / Notes (fill in)
Other Types of Info for CMSP on Coral Reefs				

INSTRUCTIONS FOR BREAK OUT SESSION

Step 1: Important information for conducting CMSP in coral reef ecosystems - Looking at each of the information categories provided in the table above (shaded rows), and the examples of information topics under each category, for each topic presented please **identify any additional information topics** relevant to CMSP in coral reef ecosystems and provide them in the blank rows at the bottom of each section. Also, please provide your thoughts on **additional types of information** to inform CMSP in the last section of the table.

Step 2: Current Information Status - What information, data and tools do we have now? For each information topic please share your knowledge on the level of existing information where you live and/or work by providing a Good (G), Fair (F), or Poor (P) score for each topic in column 3.

Step 3: Priority Gaps - What gaps in information, data and tools are most critical to fill for CMSP? Please look at any topics that received a low or medium score in Step 2 and identify priority information needs for the place where you live and/ or work by selecting the five most important information gaps and assigning a score of 1 through 5 for each of these topics with 1 being the most important information gap to fill before conducting a CMSP process.

Step 4: Group discussion – when you have completed your template, your group’s coach will divide your larger group of 20+ participants into smaller discussion groups of 5-6 participants. In your smaller groups, please share the outcomes of Step 3 and discuss your top 5 information needs with the group. Also please highlight areas that you identified a “good” in terms of existing information in Step 2 and briefly explain what information exists,

Step 5: Submit your completed handout to your group’s coach