The Future of Marine Spatial Planning at **The Nature Conservancy**



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Paul Dye

pdye@tnc.org Director of Marine Conservation The Nature Conservancy / Washington

- Session Introduction
- MSP @ TNC
- MSP Speed Talks
- Breakout conversations
- Wrap up



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Marine Spatial Planning @ TNC We are NOT Bowling Alone



The 2013 MSP Assessment

Shawn W. Margles

Coastal and Marine Planning Scientist The Nature Conservancy – Global Marine Team



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Conservancy Marine Spatial Planning Sites



Different Geopolitical and Spatial Scales



Different Drivers



Technical Support



Stakeholder



Advisor



Facilitator

The Role of the Conservancy



- Step 2: Obtaining financial support
- Step 3: Organizing the process through pre-planning
- Step 4: Organizing stakeholder participation
- Step 5: Defining and analyzing existing conditions
- Step 6: Defining and analyzing future conditions
- Step 7: Preparing and approving the spatial management plan
- Step 8: Implementing and enforcing the spatial management plan
- Step 9: Monitoring and evaluating performance
- Step 10: Adapting the marine spatial management process

MSP Steps

		0%	20%	40%	60%	80%	100%
Step 1:	Identifying a need					81	%
Step 2:	Obtaining financial support					69%	
Step 3:	Organizing the process through pre-						
360.5	planning					75%	
Step 4:	Organizing stakeholder participation					79%	6
Step 5:	Analyzing existing conditions					81	%
Step 6:	Analyzing future conditions					77%	,
Step 7:	Preparing and approving the spatial management plan					67%	
Step 0.	Implementing and emotioning the spatial management	_				-	
plan				4	4%		
Step 9:	Monitoring and evaluation				48%		
Step 10:	Adapting the marine spatial management process			42	.%		

Heavily or somewhat involved

TNC Heavily Involved in MSP

		0%	20%	40%	60%	80%	100%
Step 1:	Identifying a need					81	%
Step 2:	Obtaining financial support					69%	
Step 3:	Organizing the process through pre- planning					75%	
Step 4:	Organizing stakeholder participation					79%	
Step 5:	Analyzing existing conditions					81	%
Step 6:	Analyzing future conditions					77%)
Step 7:	Preparing and approving the spatial management plan					67%	
Step 8: plan	Implementing and enforcing the spatial management			44	ŀ%		
Step 9:	Monitoring and evaluation			4	48%		
Step 10:	Adapting the marine spatial management process			429	%		

Heavily or somewhat involved

TNC Heavily Involved in MSP

		0% 10% 20% 30% 40% 50%									
Step 1:	Identifying a need	17%									
Step 2:	Obtaining financial support	19%									
Step 3:	Organizing the process through pre- planning	13%									
Step 4:	Organizing stakeholder participation	10%									
Step 5:	Analyzing existing conditions	6%									
Step 6:	Analyzing future conditions	15%									
Step 7:	Preparing and approving the spatial management plan	23%									
Step 8: plan	Implementing and enforcing the spatial management	31%									
Step 9:	Monitoring and evaluation	40%									
Step 10:	Adapting the marine spatial management process	38%									

Not involved but we are trying to engage

Not Involved but Trying to Engage

		0% 10% 20% 30% 40% 50%								
Step 1:	Identifying a need	17%								
Step 2:	Obtaining financial support	19%								
Step 3:	Organizing the process through pre-									
	planning	13%								
Step 4:	Organizing stakeholder participation	10%								
Step 5:	Analyzing existing conditions	6%								
Step 6:	Analyzing future conditions	15%								
Step 7:	Preparing and approving the spatial management plan	23%								
Step 8: plan	Implementing and enforcing the spatial management	31%								
Step 9:	Monitoring and evaluation	40%								
Step 10:	Adapting the marine spatial management process	38%								
		Not involved but we are trying to engage								

Opportunities for TNC?

		0%	10%	20%	30%	40%	50%	60% 70%
Step 1:	Identifying a need							57%
Step 2:	Obtaining financial support					4	2%	
Step 3:	Organizing the process through pre- planning						47%	
Step 4:	Organizing stakeholder participation							60%
Step 5:	Analyzing existing conditions							60%
Step 6:	Analyzing future conditions				29%	,		
Step 7:	Preparing and approving the spatial management plan				25%			
Step 8: plan	Implementing and enforcing the spatial management			22	2%			
Step 9:	Monitoring and evaluation				31	%		
Step 10:	Adapting the marine spatial management process				28%			
					■Total F	esponces	\$	

TNC Expertise in MSP

		0%	10%	20%	30%	40%	50%	60%	70%
Step 1:	Identifying a need							57%	>
Step 2:	Obtaining financial support					4	2%		
Step 3:	Organizing the process through pre- planning						47%		
Step 4:	Organizing stakeholder participation							60%	,
Step 5:	Analyzing existing conditions							60%	
Step 6:	Analyzing future conditions				29%				
Step 7:	Preparing and approving the spatial management plan				25%				
Step 8: plan	Implementing and enforcing the spatial management			22	2%				
Step 9:	Monitoring and evaluation				31	%			
Step 10:	Adapting the marine spatial management process				28%				
					■Total R	esponces	5		

TNC Expertise in MSP

		0%	10%	20%	30%	40%	50%	60%
Step 1:	Identifying a need				30	%		
Step 2:	Obtaining financial support						43%	
Step 3:	Organizing the process through pre- planning				3	33%		
Step 4:	Organizing stakeholder participation				26%			
Step 5:	Analyzing existing conditions				31	%		
Step 6:	Analyzing future conditions							54%
Step 7:	Preparing and approving the spatial management plan							53%
Step 8: plan	Implementing and enforcing the spatial management						49	%
Step 9:	Monitoring and evaluation						47%	
Step 10:	Adapting the marine spatial management process						42%	

Total Responces

Areas Where TNC Needs Training

Conservation Planning/Applie_ d Science (37), 77% Knowledge Exchange and Learning (0), 0%

_Other (3), 6%

Government Relations/Policy work (5), 10%

Information and Data Management (3), 6%

TNC Staff Capacity

Questions?

Shawn Margles smargles@tnc.org



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Breakout Discussions

- 1) Information Portals & Decision Support Tools
- 2) The Planning Process
- Applying MSP to MPA Networks: evolving single objecting planning into multi sectoral planning





Dr. Jorge Brenner

Associate Director of Marine Science Texas Chapter The Nature Conservancy

Connected Seas: RESILIENCE

Coral larvae dispersion simulations (demographic connectivity)



August 21, 2011

Dynamic Simulation: coral larvae dispersion

John Knowles

Conservation Information Manager Caribbean Program The Nature Conservancy



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Dr. Aurora Justiniano

Conservation Planner PR and USVI, Caribbean Program The Nature Conservancy FUTURE OF MSP - CARIBBEAN REGIONAL OCEAN PARTNERSHIP (CROP) AURORA JUSTINIANO-SANTOS, PHD - CARIBBEAN PROGRAM







Alfonso Lombana

Marine Scientist Mid-Atlantic The Nature Conservancy



Gwynn Crichton

Senior Project Scientist The Nature Conservancy, Virginia Chapter

Ships, Wind and Whales: A Mid-Atlantic Seascape Use Case



Charles Steinback

Director Point 97









portal.midatlanticocean.org/portal/learn

feedback

Julie Robinson

Marine Specialist Mesoamerican Reef The Nature Conservancy

Julie Robinson: MAR Marine Specialist

Evaluating Protected Area Network Designs



DST Selection Tools allow the user to quickly design a custom configuration of areas ...

The Decision Support Tools evaluate spatial alternatives and recommendations from the planning team *as* the team discusses them

DYNAMIC CHARTS & TABLES

-80 -80



Coral Rent-Lighthouse Ren

Annick Cros

Marine Scientist Indo-Pacific Division The Nature Conservancy











The Nature Conservancy











CORAL TRIANGLE ATLAS

http://ctatlas.reefbase.org/













Dr. Alan White

Coral Triangle Program Indo-Pacific Division The Nature Conservancy

Coral Triangle MPA System: An Inclusive Nested System (>1900 MPAs)



Indicators per 6 country agreement:
➤ Marine area within MPAs or MMA

- Area of critical habitat in no-take zone
- Area under "effective" management
- Area in each CTMPAS category of MPA

Categories: 1. basic data 2. National Effective Site 3. Regional Development Site 4. Regional Flagship Site

> Coral Triangle Marine Protected Area System (CTMPAS) Framework and Action Plan





Willie Atu

Coral Triangle Program Indo-Pacific Division The Nature Conservancy





Dr. Alison Green

Sr. Marine Scientist Indo-Pacific Division The Nature Conservancy

Designing Marine Protected Area Networks to Achieve Fisheries, Biodiversity and Climate Change Objectives in Tropical Ecosystems

(Green et al. 2014 Coastal Management Journal 42:143-159)





A publicator apporting the Cenal Triangle Instantine on Canala, Picheries and Posed Security (CT) CFP)



A Booklet to Help Sustain Community Benefits Through Management for Faheries, Ecosystems, and Climate Change



A publication supporting the Coral Triangle Initiative on Coral Reefs, Fisheries and Pood Security (CTI-CFP)



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Green et al. 2014 (modified from Maypa 2012)



Nirari Cardenas

Marine Specialist Gulf of California and Pacific Program, MNCA The Nature Conservancy



Marine Spatial Planning in Mexico



Breakout Discussions

1. Information Portals & Decision Support Tools

2. The Planning Process

 Applying MSP to MPA Networks: evolving single objecting planning into multi sectoral planning • Where is TNC at the cutting edge of MSP?

• Trends in scale, issue, partners, etc.?

• What are opportunities for TNC?



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NEW HOPE



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