

DAY 1 – STARTING THE PLANNING PROCESS
Monday, March 16, 2015
MMMPA Program - MPA Management Plan Training

TIME	ACTIVITY	HANDOUTS	LEAD
9:00-9:45	<p><u>INTRODUCTIONS</u></p> <ul style="list-style-type: none"> • Round Robin <p><u>EXERCISE: Setting the Stage</u></p> <ul style="list-style-type: none"> • Expectations (30 min) <p><i>Objective: To develop a common understanding among participants of the expectations they have for this workshop.</i></p>		
9:45-10:00	<p><u>DISCUSSION: Overview of Training Course</u></p> <ul style="list-style-type: none"> ▪ Clarification on purpose of training ▪ Basis of methodology used in training course 		
10:00-10:30	<p style="text-align: center;">1.1 OVERVIEW OF MANAGEMENT PLANNING</p> <p><u>PRESENTATION: Management Planning Process Model</u></p> <ul style="list-style-type: none"> ▪ Purpose and need for management planning ▪ Different planning models ▪ Considerations before engaging in the process ▪ Overview of planning model <p><i>Objective: to understand the value in investing in a solid management planning process and the expected returns in terms of results.</i></p>	<p>Poster 1.1: Process Model</p> <p>Handout 1.1: Steps for Developing Effective Management Plans</p> <p>Handout 1.2: Different Types of Management Plans</p>	
10:30-11:15	<p style="text-align: center;">1.2 DEFINING THE LEGAL FRAMEWORK</p> <p><u>PRESENTATION: Legal Framework for MPAs in the Mediterranean</u></p> <ul style="list-style-type: none"> ▪ Range of authority of MPAs ▪ Jurisdictional conflicts ▪ Co-management arrangements <p><i>Objective: to understand the limitations of the MPA authority, and the complexity of managing the marine environment within the framework of that limited authority.</i></p>	<p>Worksheet 1.1: Getting Organized to Start Management Planning (use as handout)</p>	
BREAK			
11:30-12:30	<p><u>EXERCISE 1.1: Creating a Marine Cadastre</u></p> <ul style="list-style-type: none"> ▪ Identifying types and spatial extent of jurisdictional authorities ▪ Identifying areas of conflict or incompatibility between jurisdictional authorities <p><u>PRESENTATIONS AND DISCUSSION ON RESULTS</u></p> <p><i>Objective: to understand the range of other jurisdictional authorities within and adjacent to an MPA and how these authorities may either conflict or complement each other.</i></p>	<p>Maps</p> <p>Handout 1.3: Meg Caldwell</p>	Participants
LUNCH			
14:00-15:00	<p style="text-align: center;">1.3 ENGAGING STAKEHOLDERS</p> <p><u>PRESENTATION: Value and Necessity of Stakeholder</u></p>	<p>Handout 1.4: Stakeholder Analysis</p>	

	<p>Engagement</p> <p><u>EXERCISE 1.2: Stakeholder Identification & Analysis</u></p> <ul style="list-style-type: none"> ▪ With your team, draw on a flip chart the stakeholder analysis diagram ▪ Make a list of all stakeholders and their relationship to each MPA ▪ Put each stakeholder's name in a circle, the size of the circle based on their influence on your MPA ▪ Place the circle on the flip chart those with the closest and most direct connection to the MPA should be closest to the center. <p><i>Objective: to understand the full range of stakeholders and their relationship and influence over the MPA.</i></p>	Flip charts and pens	
15:00-15:45	<p><u>PRESENTATION: Stakeholder Analysis</u></p> <ul style="list-style-type: none"> ▪ Understanding values and attitudes of stakeholders <p><u>EXERCISE 1.3: Stakeholder Characterization</u></p> <ul style="list-style-type: none"> ▪ Use worksheet 1.2 to start to characterize each stakeholder, including their behavior and attitude towards your MPA <p><i>Objective: to better understand stakeholders' values and attitudes as a precursor to determining how they might be engaged in the management planning process.</i></p>	<p><u>Worksheet 1.2:</u> <i>Stakeholder Characterization</i></p> <p><u>Worksheet 1.3:</u> <i>Designing a Planning Team</i> (use as handout)</p>	
BREAK			
16:00-17:00	<div style="background-color: black; color: white; text-align: center; padding: 5px;">1.4 DEFINING THE FUTURE STATE</div> <p><u>EXERCISE 1.4: Developing a Vision for the Future</u></p> <ul style="list-style-type: none"> ▪ Evaluate and describe where you are today in terms of the biophysical, social, cultural, governance economic condition of the MPA ▪ With each one of these attributes describe where you want to be 10 years from now ▪ Develop a timeline with milestones of what needs to be achieved in order to get from where you are today to where you want to be <p><i>Objective: to start to set targets for what we want to achieve through the management of the MPA, and establish the incremental steps it is going to take to get there.</i></p>	Flip Chart	
17:00	<u>WRAP-UP AND BRIDGE TO DAY 2</u>		

DAY 2 – FRONT-END ASSESSMENT PHASE
Tuesday, March 17, 2015
MMMPA Program - MPA Management Plan Training

TIME	ACTIVITY	HANDOUTS	LEAD
9:00-9:15	REVIEW OF DAY 1		Participant Team
9:15-10:15	<p style="text-align: center;">2.1 IDENTIFYING TARGETS</p> <p>EXERCISE 2.1: Identifying Target Resource for Protection Targets for Protection</p> <ul style="list-style-type: none"> - With your team, fill-out Worksheet 2.1 identifying targets (e.g., biophysical, economic, cultural) (30 min) - use raking criteria to prioritize top 3 target resources (30 min) <p><i>Objective: To identify the main targets of our management actions in the management plan.</i> <i>Note: At this time, each small MPA team will select 3 targets that they will build the planning pieces around during the remainder of the workshop.</i></p>	<u>Worksheet 2.1: Identifying Resource Targets</u>	
10:15-11:00	<p style="text-align: center;">2.2 THREAT IDENTIFICATION & PRIORITIZATION</p> <p>EXERCISE 2.2: Threat Identification</p> <ul style="list-style-type: none"> ▪ Use Worksheet 2.2 ▪ Work in teams, and for each target identify all existing threats and possible future threats (distinguish between the two) <p><i>Objective: To start to make the link between the threat and the human use activities (user groups) that are the source of the threat and should be managed in order to reduce or eliminate the threat.</i></p>	<u>Worksheet 2.2: Threat Identification</u>	
BREAK			
11:15-12:00	<p>EXERCISE 2.3: Mapping the Threats</p> <ul style="list-style-type: none"> ▪ With your teams, draw on your poster-size maps the location and spatial extent of each of the threats to your targets. ▪ Discuss and compare the results from each group. <p><i>Objectives: to understand the spatial extent of the targets and spatial extent of the threats to those targets.</i></p>	<i>MPA Maps</i>	
12:00-1:00	<p>EXERCISE 2.4: Threat Diagrams</p> <ul style="list-style-type: none"> ▪ Work in your small groups to identify threats, causes and associated user groups, remember to reference your maps and handout 2.1 ▪ diagram the threats on a flip chart <p><i>Objective: To start to make the link between the threat, the human use activities (user groups), and root cause(s) that will be the focus of the management actions in the management plan.</i></p>	<u>Handout 2.1: Threat Diagrams</u> <i>Flip Charts</i>	
LUNCH			
14:15-14:45	PRESENTATIONS: Threat Diagrams		Participants

14:45-15:30	<p><u>EXERCISE 2.5: Threat Prioritization</u></p> <ul style="list-style-type: none"> ▪ Work in your small groups to rank each threat and determine the highest priority threats to each target. Use worksheet 2.3 <p><i>Objective: To identify those threats that are of highest priority to address in the management plan.</i></p>	<p><u>Worksheet 2.3:</u> <i>Prioritizing Threats</i></p>	
BREAK			
15:45-16:45	<p><u>EXERCISE 2.6: Complete Front End Assessment Conceptual Model</u></p> <ul style="list-style-type: none"> ▪ Work in teams to fill out the conceptual model poster based on results from exercises 2.1-2.5. ▪ present the conceptual models to the whole class soliciting their ideas for what it might be missing, and its use in the management plan development process. <p><i>Objective: To understand the connections between each of the individual attributes to be considered while developing a management plan.</i></p>	<p><u>Poster 2.1:</u> <i>Front End Assessment Conceptual Model</i></p>	
16:45	<p><u>WRAP-UP AND BRIDGE TO DAY 3</u></p>		

**DAY 3 – MOVING FROM THE FRONT END ASSESSMENT PHASE
TO THE PLANNING PHASE
Wednesday, March 18, 2015
MMMPA Program - MPA Management Plan Training**

TIME	ACTIVITY	HANDOUTS	LEAD
9:00-9:15	<u>REVIEW OF DAY 2</u>		Participants
9:15-9:30	<p style="text-align: center;">3.1 DEVELOPING MANAGEMENT OBJECTIVES</p> <p><u>PRESENTATION: Developing Management Objectives</u></p> <ul style="list-style-type: none"> ▪ Differences between goals and objectives ▪ Importance of clearly articulated objectives ▪ Using objectives as indicators of management effectiveness <p><i>Objective: To understand the difference between goals and objectives and how they provide a reference point for the development of the management plan.</i></p>	<u>Handout 3.1: Developing SMART Objectives</u>	
9:30-10:30	<p><u>EXERCISE 3.1: Developing “SMART” Objectives</u></p> <ul style="list-style-type: none"> ▪ Use Worksheet 3.1: Developing SMART Objectives and together with your team develop management objectives for each of your target resources. Each MPA team should have 3-5 objectives. ▪ Transfer final objectives to a flip chart <p><i>Objective: To develop clear and concise objectives to direct your management strategies.</i></p>	<u>Worksheet 3.1: Developing SMART Objectives</u> Flip Chart	
10:30-11:00	<p><u>PRESENTATION: “SMART” Objectives and Peer Review</u></p> <ul style="list-style-type: none"> ▪ Each team to present one objective for the whole group to review to ensure it is truly a “SMART” objective 		
BREAK			
11:15-13:00	<p style="text-align: center;">3.2 IMPACT ANALYSIS OF TARGET RESOURCE & AFFECT ON MEETING OBJECTIVES</p> <p><u>EXERCISE 3.2: Impact Analysis: Factors Influencing Levels of Impact on Target Resources</u></p> <p>Make your way through poster 3.1 and conduct the following analysis for each of your target resources:</p> <ul style="list-style-type: none"> ▪ Impact analysis ▪ Sensitivity analysis ▪ Capacity analysis ▪ Cumulative impact analysis <p><i>Objective: In preparing for the selection of management strategies, these analyses should help better inform about specific levels of impacts from human use activities on specific target resources, and help target the selection of management appropriate management strategies to address impacts.</i></p>	<u>Poster 3.1: Impact Analysis of Target Resources</u>	
LUNCH			
14:00-18:00	3.3 FIELD TRIP: SANTA MARGHERITA MPA		

DAY 4 –THE PLANNING PHASE
Thursday, March 19, 2015
MMMPA Program - MPA Management Plan Training

TIME	ACTIVITY	HANDOUTS	LEAD
9:00-9:15	<u>REVIEW OF DAY 3</u>	<u>Handout 4.1:</u> Management Plan Contents	
9:15-10:15	<p style="text-align: center;">4.1 SYNTHESIZING RESULTS OF THE IMPACT ANALYSES</p> <p><u>EXERCISE 4.1: Results of the Impact Analyses</u></p> <ul style="list-style-type: none"> ▪ Use worksheet 4.1 to both assess the results of the impact analyses and project results of both no management action is taken, and results if key management actions are taken. <p><i>Objective: to understand the implications of the results of the collective analyses and make a determination of the trigger points of where the greatest impacts are occurring on the target resources based on the nature of the human use activities, the sensitivity of the target resource, and projected cumulative impacts.</i></p>	<u>Worksheet 4.1:</u> Synthesizing Results	
BREAK			
10:15-12:15	<p style="text-align: center;">4.2 DEVELOPING MANAGEMENT STRATEGIES</p> <p><u>EXERCISE 4.2: Selecting Management Strategies</u></p> <ul style="list-style-type: none"> ▪ Work in teams and fill out the Selecting Management Strategies worksheet 4.2. This worksheet will provide some guidance on the range of possibilities, based on different approaches to addressing impacts from human behavior. <p><i>Objective: To understand that management actions consist of approach to managing, controlling or prohibiting different types of human behavior and interactions with target resources.</i></p>	<u>Worksheet 4.2:</u> Selecting Management Strategies <u>Handout & Poster 4.2:</u> Decision Flow Chart	
12:15-13:15	<p style="text-align: center;">4.3 ASSESSING RESULTS (IMPACTS) OF MANAGEMENT STRATEGIES</p> <p><u>EXERCISE 4.3: Results Chain: Assessing How Your Management Strategies Result in the Anticipated Changes</u></p> <ul style="list-style-type: none"> ▪ Fill out poster 4.2 to ensure each proposed management strategy results in the type of change in a human use activity ▪ Work the model from left to right and right to left to make sure it hangs together. <p><i>Objective: a filter to put each management strategy through to ensure that the anticipated results will be realized and impacts reduced (or eliminated).</i></p>	<u>Poster 4.1:</u> Results Chain	
LUNCH			
14:30-15:15	<u>EXERCISE 4.4: Practical Application of Management Strategies</u>	<u>Worksheet 4.3:</u>	

	<ul style="list-style-type: none"> Work in small groups and use worksheet 4.3 to answer a series of basic questions about the practicality of your management actions. <p><i>Objective: To understand the practical application (and implications) when a management strategy is implemented at the site level.</i></p>	<i>Checking in on the Practicality of Management Strategies</i>	
15:15-15:45	<p>EXERCISE 4.5: Impacts on Stakeholders</p> <p><i>Objective: to clearly understand the potential positive and negative impacts to different stakeholder groups from implementation of your management strategies and consider possible approaches for addressing the negative impacts.</i></p>	<i>Worksheet 4.4: Stakeholder Impact Analysis</i>	
BREAK			
16:00-16:30	<p>EXERCISE 4.6: Fitting the Pieces Together into the "Management Strategies Model"</p> <ul style="list-style-type: none"> Work with your team to see if each of the proposed strategy is addressing the stated problem (threat) and meeting the management objectives established for each target resource. Work the model both ways, from left to right and right to left. At each stage as "if, then . . ." to see if your model hangs together. <p><i>Objective: To examine proposed management actions to determine if they are meeting the objective for protection of each of the target resources.</i></p>	<p><i>Poster 4.2: Management Strategies Model</i></p> <p><i>Handout 4.3: Components of the Conceptual Model</i></p>	
16:30-17:00	<p>PRESENTATIONS: Peer Review of Models</p> <ul style="list-style-type: none"> Each team will present their models for peer review and critiquing. 		Participants
17:00-17:45	<p>DISCUSSION: Implementation of the Plan</p> <ul style="list-style-type: none"> Sustainable Financing Enforcement Engaging Stakeholders in Implementation 		Participants
17:45	WRAP-UP AND BRIDGE TO DAY 5		

DAY 5 –THE EVALUATION PHASE
Friday, March 20, 2015
MMMPA Program - MPA Management Plan Training

TIME	ACTIVITY	HANDOUTS	LEAD
8:30-8:45	<u>REVIEW OF DAY 4</u>		
8:45-9:15	<div style="background-color: black; color: white; text-align: center; padding: 5px;">5.1 USING ZONES AS A MANAGEMENT TOOL</div> <p><u>PRESENTATION & FACILITATED DISCUSSION: Zonal Planning vs Marine Spatial Planning</u></p> <ul style="list-style-type: none"> ▪ Purpose and need for zones and regulations ▪ What's the difference between zoning and MSP? ▪ Overview of process steps ▪ Working with stakeholders ▪ Issues associated with site selections <p><i>Objective: to understand the difference and the commonalities between zoning and marine spatial planning; and to understand the challenges and the benefits.</i></p>		
9:15-10:00	<p><u>EXERCISE 5.1: The Compatibility Matrix</u></p> <ul style="list-style-type: none"> ▪ Work with your team on Worksheet 5.1 to identify the level of compatibility between each of the uses of your MPA <p><i>Objective: to make a list of the current and potential future uses in the planning area and determine how compatible they are with one another.</i></p>	<u>Worksheet 5.1: Compatibility Matrix</u>	
BREAK			
10:15-11:15	<p><u>EXERCISE 5.1a: Sorting Compatible and Incompatible Uses (Compatibility Between Uses)</u></p> <ul style="list-style-type: none"> ▪ Work with your team to group on Worksheet 5.2 to identify uses that are similar in terms of impacts, spatial and temporal needs ▪ On a flip chart create different groups of compatible users, and identify and outliers <p><i>Objectives: 1) to identify compatible uses that could share the same space, 2) to identify incompatible uses and their temporal/spatial needs, and 3) to understand any specific spatial/temporal requirements of all current and potential future uses as a step to developing zone categories.</i></p>	<u>Worksheet 5.2: Compatible vs Incompatible Uses</u>	
11:15-12:45	<p><u>EXERCISE 5.2: Developing Zones and Regulations</u></p> <ul style="list-style-type: none"> ▪ Review your objectives and priority threats ▪ Determine which activities you would like to regulate and their corresponding zone ▪ Use your MPA map as reference along with worksheet 5.3 to develop zone categories and include: <ul style="list-style-type: none"> - the objective for each zone - which activities will be allowed - which activities will not be allowed - any restrictions (regulations) on activities that will be allowed <p><i>Objective: To understand how to use zoning and regulations as a management tool.</i></p>	<u>Worksheet 5.3: Developing Zones and Regulations</u>	
LUNCH			

14:00-14:30	<p style="text-align: center;">5.2 DESIGNING MARINE RESERVES FOR FISHERIES RECOVERY AND REPLENISHMENT</p> <p>PRESENTATION: Marine Reserves as a Fisheries Management Tool</p> <ul style="list-style-type: none"> ▪ Benefits and Limitations of Marine Reserves <p><i>Objective: to understand when marine reserves are an appropriate management tool, under what conditions, and to manage expectations about what they can and cannot achieve.</i></p>	Handout: <i>Science of Marine Reserves</i>	
14:30-14:45	<p>PRESENTATION: Marine Reserves as a Fisheries Management Tool</p> <ul style="list-style-type: none"> ▪ Essential Factors for Designing Marine Reserves <p><i>Objective: to understand some of the most important guiding principles (biophysical and social) in designing effective, results-based marine reserves that.</i></p>	Handout 5.1: <i>9 Essential Factors for Designing Marine Reserves</i>	
BREAK			
15:00-15:45	<p>PRESENTATION: MARINE RESERVES AS A FISHERIES MANAGEMENT TOOL (con't.)</p> <ul style="list-style-type: none"> ▪ Essential Factors for Designing Marine Reserves <p>EXERCISE 5.3: Characterizing and Mapping the Needs of Fisheries Resources \</p> <ul style="list-style-type: none"> ▪ Each team will assemble the habitat and spatial requirements of target living marine resources in the MPA they have been working on, including those life history requirements outside of their MPA also needing spatial (marine reserve) protection. <p><i>Objective: to start to understand the spatial requirements for the number of, size and placement of marine reserves for protecting a specific species of concern based on an understanding of that species life history.</i></p>	Map/ Flip chart	
15:45-16:30	<p>EXERCISE 5.4: Defining Community Benefits</p> <ul style="list-style-type: none"> ▪ Team role play to understand different points of view and interests <p><i>Objective: to understand the perspective of different stakeholders who could be impacted by marine reserves (both negative and positive) so their perspectives, needs and desired results can be considered in the design of marine reserves.</i></p>	Worksheet 5.4: <i>Defining Community Benefits</i>	
16:30-17:30	<p>EXERCISE 5.5: Achieving Results</p> <ul style="list-style-type: none"> ▪ For each of the Nine Essential Factors make a determination of the best types of zones and management tools are needed to get results. ▪ Take into consideration the key messages that accompany each of the Factors. <p><i>Objective: to explore the different types of zones and rules that can effectively support the implementation of each of the Nine Essential Factors in order to realize results for fisheries recovery and replenishment.</i></p>	Worksheet 5.5: <i>Using the Essential Factors to Achieve Results</i> Handout 5.2: <i>9 Essential Zoning and Rule Regulations</i>	
17:30	WRAP-UP		