NIPAS MPA Training Workshop: Damage Assessment, Response, Restoration and Monitoring of Natural Resources

Olympian	Schedule (excluding travel time)		
Cluster	Facilitation Training	Training Proper	
Cluster 2 (Sorsogon,Region 5)	August 11-13, 2023	August 14-19, 2023	
Cluster 3 (General Santos, Region 12)	September 9-11, 2023	September 12-17, 2023	
Cluster 1 (Pangasinan, Region 1)	October 13 -15, 2023	October 16 -21, 2023	

Provisional Program (Training Proper)

DAY 1 _ COASTAL AND MARINE ECOSYSTEM SERVICES, DAMAGE ASSESSMENT

TIME	ACTIVITY	MATERIALS	LEAD
8:00 – 9:00	 OPENING SESSION Opening Program: Welcome and message from Regional Executive Director Introductions and icebreaker Group photo 	Margolis wheel icebreaker - sharing in 1 minute on	BMB (Introduction)
9:00 – 9:30 (30 mins)	■ Framework □ Process □ Each participant works on own MPA □ Ground rules □ Connection to previous trainings ■ Overview of Philippines context of natural resource damage assessment and response □ ad hoc, standardized protocols only for oil spills, reliance on university partners, move towards developing national protocols for coastal and marine ecosystems and resources ■ Training Overview □ Overview of NRDA planning process □ Importance of monitoring to assess damage □ Focusing response for 2 acute, single responsible part and acute natural disaster □ Resilience and preparation	Process poster	National Mentors

	 Importance of communications planning 		
9:30 - 10:00	PRESENTATION1.1 Review on CME, Ecosystem Services • Quick review on Coastal and Marine Ecosystems, Processes and Indicator Species • Quick review on Ecosystems Services and applied valuation of natural resources • Review on tools for habitat assessment and monitoring (BAMS)		National Mentor
	Objectives: To briefly review marine ecosystems, ecosystem services, and ocean processes concepts, including BAMS as a "pre-assessment" or baseline tool for monitoring these aspects within NIPAS MPAs.		
10:00- 10:45 AM (45 mins)	EXERCISE 1.1. ECOSYSTEMS SERVICES IN YOUR MPA Participants will assess ecosystem services in their NIPAS MPAs Discuss within your group the common ecosystem services that you share with other MPAs within your table. What are is unique to your MPA Objectives: To distinguish between comparable	Worksheet 1.2 Handout 1.1	Cluster Mentor
10:45-11:00A M (15 mins)	currencies for ecosystem services in NIPAS MPAS.		NOAA/ National Mentor
11:00 - 11:30	Assessment Tool Background knowledge suggested as precursor for the exercise Objective: Review the concepts of assessing the market and non-market value of natural resources and the ecosystem services they provide. EXERCISE/DISCUSSION 1.2: DEVELOPING YOUR MPA CASE STUDY	Worksheet 2.1:	Cluster Mentor/
(30 mins)	Objective: Share lessons learned and experiences addressing damages/injuries within	Developing your MPA Case Study	Exercise Mentor

	your MPA and discuss the challenges addressing	(review)	
	them.	Flip charts	
		Sticky notes	
11:30 - 12:00 (30 mins)	PRESENTATION 1.3: INTRODUCTION TO DAMAGE ASSESSMENT	Handout 2.1 Tubbataha	
(00 1111113)	Overview of damage assessment	grounding	
	processes regionally and globally	assessment	
	(pre-asses, asses and plan, restore)		
	 Types of damage, chronic vs. acute, natural vs human caused 		
	Principles of assessment techniques		
	 Importance of distinction between mobile species and sessile invertebrates, plants 		
	and seaweeds		
	 Step-by-step process of assessment Scaling restoration to an injury: introduction 		
	to the concepts of interim service losses		
	and the role of HEA/REA		
	Objective: ■ Understand the use of damage		
	assessments and the linkages between		
	threats and damage assessments		
	Explore the step-by-step process, tools, and		
	resources to assess the damages to habitats and ecosystems		
	12:00-1:00 PM LUNCH		
1:00 -1:15	ENERGIZER		Cluster
1.00 1.10			Mentor/
1:15 - 1:55	EXERCISE 1.3: DAMAGE ASSESSMENT CASE	Worksheet 2.2:	National
PM	STUDIES	Damage	Mentor
(40 mins)	Using coral,mangrove, and seagrass case	Assessment Case Study	
	studies, review ship grounding and oil spills in	duos stady	
	different scenarios and fill out worksheet 2.2.	Table Handouts	
		Ex 2.2: Case Studies	
	PRESENTATION 1.4: PRINCIPLES OF	E-handout:	RP/ National
1:55 -	ASSESSMENT TECHNIQUES	Survey	Mentor
2:15 PM	Understand the concepts of the damage	Methods	
(20 mins)	pre-assessment and assessment processes		
(20 1111115)	Establishing a baselineScientific information needed		
	Mapping		
	Data and sample collection		
	Collecting evidence Protocols for how to collect complete		
	 Protocols for how to collect samples, worksheets and forms, how to assess 		
	Mornoriosto aria formo, now to assess	<u>. </u>	

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	marine mammals and turtle health		
	Site access if wanted to do photography or		
	transect counts		
	 Plan to measure the recreational use 		
	Acute vs. chronic		
2:15-3:00	EXERCISE1.4. ASSESSMENT TECHNIQUES,	Transect	Cluster
PM	DOCUMENTING AND QUANTIFYING	tapes &	mentor
	DAMAGE	quadrats	
(1 hr)		samples of	
,	 Photography 	different	
	Transects and quadrats	materials	
	Determining percent cover		
	Preparing in advance	Field	
	 Interview techniques to understand how 	notebooks	
	the damage has affected use of the area	Tiotobooko	
	the damage has affected use of the area	Laptops or	
		ipads(for	
	Objective:Identify five different sampling	l , ,	
	techniques/ approaches useful in the NRDA	photography	
	context	station)	
LIEALTH DE	LEAK I ENEDOIZED		
HEALIH BR	REAK and ENERGIZER		
3:00 - 3:30	CASE STUDY PRESENTATION: RAPID	PPT	BMB-CMD
(30 mins)	ASSESSMENT AND CASE STUDIES	prsentation	RP
	Share the experience of the BMB team		Criselda
	during the Mindoro oil spill and how an		Castor/
	improvise assessment was conducted		Alternate
3:30-4:00	PRESENTATION 1.5: OVERVIEW OF RAPID		National
	ASSESSMENT TECHNIQUE FOR SPECIES	C bandout	Mentor
(30 mins)		E-handout	Mentor
	DAMAGE [from storm, grounding, scarring,	: NOAA	
	water quality]	OAR	
	Marine mammal health assessment	Sea	
	Sea turtle assessments	turtles and	
	 Coastal and marine bird assessments 	oil spills	
	 Types of damage in a species-specific 		
	context		
	 Handling dead wildlife 		
	 Rapid assessment for mobile species 		
4:00-4:45	EXERCISE 1.5: ENVIRONMENTAL	Table	National and
Pm	SENSITIVITY INDEX MAPS	handout:	Cluster
		Environmen	Mentor
(45 mins)	Using Environmental Sensitivity Index (ESI)	tal Sensitivity	
(45 mins)	mapping techniques, refer to table handouts	map example	Colored
	and Handout 3.1: Developing an ESI Map	(2 per table)	pencils
	handout to create ESI maps for your MPAs.	Handout 3.1:	
	· ·		Flip chart
	Gallery walk to share each other's ESI maps.	Developing	paper
		an ESI map	paper
		1	1

4:45-5:15 PM (30 mins)	PRESENTATION 1.6: COLLECTING EVIDENCE FOR DAMAGE ASSESSMENT, RESPONSE, RESTORATION AND MONITORING Use of photos and images from kites, drones and Google Earth Case studies of actual use in damage Objective: Present different techniques and tools for collecting evidence on DARRM	
	WRAP-UP, PREP FOR DAY 2	
	IMPLEMENTATION PLAN WRITING AND REVIEW	
	FEEDBACK REPORTING (MENTORS AND TABLE REPRESENTATIVES)	

Day 2- INCIDENCE RESPONSE, ASSESSMENT, REHABILITATION AND MONITORING: OIL SPILL

TIME	ACTIVITY	MATERIAL S	LEAD
8:10-8:25	Ice breaker/Energizer RECAP DAY 1		
0.25 0.25			
8:25-8:35	Overview of the Course:		
(40 :)	-Overview		
(10 mins)	-tools and methods		
	-case study presentation		
	-damage assessment and response plan		
8:35-9:20	PRESENTATION2.1: OIL SPILLS		National
(45 mins)	Fate and behavior of oil spilled in the		Mentor
	environment		
	Introduction to oil chemistry and toxicity		
	Overview of how oil impacts habitats and		
	species (toxicity)		
	Objective: Understand behavior of different types of		
	oils and impacts of each.		
9:20-10:00	EXPERT PRESENTATION NATIONAL OIL		Invited
	SPILL CONTINGENCY PLAN		PCG
(40 mins)	Mandate of the Philippines		Resource
,	Tool and techniques used		Speaker
	Communications		
	Experiences of oil spill response in the		
	Philippines		
10:00-10:20	Open Forum		

10:20-11:05	EXERCISE 2.1: APPLYING ESI MAPPING AND PROTECTION STRATEGIES	E-handout: Using Maps to	Cluster Mentor
(45 mins)	Using your ESI maps from the previous exercise, discuss information that is needed to set priorities for protecting different resources along the shoreline from potential scenarios.	Evaluate Environmen tal Tradeoffs	
11:05-11:35	PRESENTATION 2.2: OVERVIEW OF INCIDENT RESPONSE FOR OILSPILL		NOAA/ National
(30 mins)	 Principles, Concepts, Processes, Toolkits Specific Incidents/Damage Seagrass (Florida keys example: replant seagrasses quickly) Corals - rapid emergency restoration after storm or ship grounding Oil spills Hazardous waste spills Other types of incidents/damages Communications - feed science into response system with limited capacity How to assess and respond with limited staff Keeping yourself and your co-workers safe Objective: Review the process, tools, and resources to respond to incidents 		Mentor
11:35-:12:05	EXERCISE 2.2: RAPID ASSESMENT FOR OILS SPILL INCIDENCE	Worksheet 3.2: First Responder	
(30 mins)	TOOLS FOR FIRST RESPONSE AND COMMUNICATION	Guidelines Handout 3.2: First	
	Developing a list of actions for first response to an reported injury such as an oil spill. The goal is to have this on hand at your site as a response guide when an injury occurs.	Responder Guidelines	
	12:05-1:00 LUNCH		
1:00-2:00	CASE STUDY PRESENTATION: CASE STUDY ON MANGROVE DAMAGE ASSESSMENT, RESTORATION AND MONITORING IN GUIMARAS Objective: To present the damage assessment undertaken, mangrove rehabilitation and recovery in Guimaras Oil Spill Incident and Other Oil Spill Incidents in the Philippines		Invited Speaker Dr. Resurrecion B. Sadaba

2:00-2:40	EXERCISE 2.3: SPECIES RAPID ASSESSMENT IN ACTION	Table handout:	Cluster mentor/
(40 mins)	 3 minute introduction, Four stations, 8 minutes at each station, 8 minute discussion Dead bird count Fish survey techniques (coral) Fish survey techniques (seagrass) Turtles 	Coral Assessment Techniques Laminated cards for fish	National Mentors
	Objective: Learn different rapid assessments of mobile species, practice those assessments	ID books inverts, marine	
	Discussion- How do these species assessments compare to the current monitoring program at your MPA?	mammals, seabirds Field notebooks	
2:40-3:00	PRESENTATION 2.3: COLLECTING EVIDENCE		
(20 mins)	FOR DAMAGE ASSESSMENT, RESPONSE, RESTORATION AND MONITORING FOR OILSPILL	E-handout: Using Maps to Evaluate Environmental tal Tradeoffs	
	Use of photos and images from kites, drones and Google Earth		
	Case studies of actual use in damage		
	Objective: Present different techniques and tools for collecting evidence on DARRM		
3:00-4:15 PM	EXERCISE 2.4: COLLECTING EVIDENCE		
(1 hr 15 mins)	 Brief overview and discussions Emphasis on how to use the data/pictures gathered to support management efforts Reference sites Using the CSI toolkit 		
	Practical exercises for the following:pros/cons of each MACRO LEVEL: (15 min per station, 3 stations) Drones - uses, considerations, flight planning for the fieldtrip (rules for drone use in the Philippines), different groups will have different flight plans - seagrass or mangrove Drone- actual flight Underwater towing- Photography to classify drone data MICRO LEVEL (2 stations, 15 min		

	each): Mangrove survey methodology Seagrass survey methodology	
4:15-4:40	PRESENTATION 2.4: ASSESSING IMPACTS ON RECREATIONAL USE	NOAA/ National Mentor
(15 mins)	Uses and methods for applying counting and interview techniques to assess damage to recreational use.	Mentol
4:40-5:15	OPEN DISCUSSION: DRAFT RESPONSE PLAN GUIDELINES AND ASSESSMENT OF EXISTING RESPONSE PLAN	
5:15-5:35	WRAP-UP & IMPLEMENTATION AGREEMENTS	
5:35-6:00	FEEDBACK REPORTING (MENTORS AND TABLE REPRESENTATIVES)	

Day 3-INCIDENCE RESPONSE, ASSESSMENT, REHABILITATION AND MONITORING: SHIP GROUNDING

TIME	ACTIVITY	MATERIALS	LEAD
8:00 – 8:10	RECAP DAY 2		
8:10-8:25	Ice breaker		
8:25-8:35	Overview of the Course:		
	-Overview		
(10 mins)	-tools and methods		
	-case study presentation		
	-damage assessment and response plan		
8:35-9:05	PRESENTATION 3.1: INTRODUCTION TO DAMAGE ASSESSMENT: SHIP GROUNDING		NOAA/ National
(30 mins)	 Overview grounding related damages Coral grounding and emergency restoration assessing damage for rapid response Prop scar damage to seagrass beds - determining clean-up vs. no clean up, planting vs. leaving it - what has been harmed and how not to harm more by trampling wetland plants, etc. Ship grounding Ship strikes Prop scarring Fate of coral reefs and associated species and other habitats in ship grounding incidences - short and long term Objective: Understand impacts of ship grounding. 		Mentor

	EVEROIDE O.A. DAMAGE AGGESTATION	1M/ (0 0	011-
9:05-9:45	EXERCISE 3.1: DAMAGE ASSESSMENT	Worksheet 2.2:	Cluster
(30 mins	CASE STUDIES	Damage	Mentor
exercise, 10		Assessment	
mins	Using coral and mangrove case studies, review	Case Study	
presentation)	incident reports in different scenarios and fill out		
prosentation)	worksheet 2.2.	<u>Table</u>	
	WOINSHEEL Z.Z.	Handouts Ex	
		<u>2.2</u> :	
		Case Studies	
		Scenarios 1-4	
	EVERCISE 3 2: ECOLOGICAL BARID	Table Handout Ex	
	EXERCISE 3.2: ECOLOGICAL RAPID		
	ASSESSMENT IN ACTION	3.2: Coral	
		Assessment	
	Work through an acute and chronic event	Techniques	
	and apply the type of damage assessment	Transect tapes &	
	1, ,,	quadrats	
	techniques best suited (each group works	Cameras &	
	on a different chronic and acute, oil spill,	photo-grids	
	boat grounding on reef, typhoon or	Field notebooks	
	storm)	ID cards	
	·		
	Discuss difference between acute and observe events.	Flip charts &	
	chronic events	colored	
		construction	
		paper	
		Flip charts &	
		markers	
9:45-10:30	PRESENTATION 3.2: OVERVIEW OF		
(40 mins)	RESPONDING TO AN INCIDENT		
	Principles, Concepts, Processes, Toolkits		
	Specific Incidents/Damage		
	Seagrass (Florida keys example: replant)		
	seagrasses quickly)		
	Corals - rapid emergency restoration after		
	l		
	storm or ship grounding		
	Communications - feed science into		
	response system with limited capacity		
	 How to assess and respond with limited staff 		
	Keeping yourself and your co-workers safe		
	Objective: Review the process, tools, and		
	resources to respond to incidents		
10:20 44:00	·		Invited
10:30-11:00	CASE STUDY PRESENTATION: SHIP	PPT	Local
AM	GROUNDING EXPERIENCE :(Per CLUSTER PA		
	example)	Presentation	Speaker
	Cluster I:		
	Masinloc Oyon Bay Ship Grounding		
	Incident (w/ EV) (R3- Jong)		
	Cluster II:		
i .	Clustel II.		

	Ticao-Burias Grounding Incident (w/ EV) (R5- BFAR)		
	Cluster III: Saranggani Ship Grounding Incident (w/ EV) (R12-PASu Joy)		
	Objective: To present the damage assessment undertaken, response provided and rehabilitation and recovery strategies on Ship Grounding incidence in the Philippines.		
	Open forum		
11:00-11:30	PRESENTATION 3.3: COLLECTING EVIDENCE FOR DAMAGE ASSESSMENT, RESPONSE, RESTORATION AND MONITORING FOR OILSPILL	E-handout: Using Maps to Evaluate Environmental tal	National mentor
	Use of photos and images from kites, drones and Google Earth	Tradeoffs	
	Case studies of actual use in damage		
	Objective: Present different techniques and tools for collecting evidence on DARRM		
11:30-12:00	EXERCISE 3.3: COLLECTING EVIDENCE		
	 Brief overview and discussions Emphasis on how to use the data/pictures gathered to support management efforts Reference sites 		
	12:00-1:00 LUNCH		
1:00-1:15 PM	Iceb breaker		
1:15-2:15 PM (1 hr)	CASE STUDY PRESENTATION: SHIP GROUNDING EXPERIENCE OF TUBBATAHA REEF NATURAL PARK	PPT Presentation	Invited Speaker from TRNP
	Objective: To share the experience of TRNP during the ship grounding experience of the PA from coordination, assessment, valuation and damage fee collection including monitoring of affected area rehabilitation and its present status.		
	OPEN FORUM		
2:15-2:45 PM	EXERCISE 3.4: RAPID CORAL REEF RESPONSE	Worksheet 4.1 Coral Injuries and	Cluster Mentor

(30 mins)	With your group, fill in the Coral Injuries and Appriopriate techniques worksheet	Appropriate Techniques	
2:45-3:15 PM	PRESENTATION 3.4: FROM RESPONSE TO RESTORATION: FOCUS ON WHAT IS	Vogue Trader grounding	NOAA/ National
(30 mins)	 NEEDED FOR SUCCESS Focus on resilience, damage prevention and preparedness Each incident is unique as is response and restoration options for each unique site and incident HEA example: focusing on the type of damage restoration needed Case study: Vogue Trader grounding Philippines storm damage and mangrove restoration Developing restoration and mitigation plans Integrating citizen science into plan 	video	Metor
3:15-3:45 PM	PRESENTATION 3.5: MANDATES OF NGAS RE DAMAGE ASSESSMENT/RESPONSE,	PPT Presentation	DENR BMB
	Objective: Using the actual experiences from each representative per cluster, Present on the mandates and institutional arrangements for coastal and marine ecosystems and resource damage assessment and response as well as communications		
3:45-4:15 PM	EXERCISE 3.5: CORAL REEF RESTORATION DECISION MATRIX	Handout 4.1: Coral Reef	
(30 mins)	After reviewing the decision matrix with team, each participant considers the provided scenarios and how it applies to their site individually (5 min), then teams of two share outcomes (5 min each - 10 min total for discussion) Objective: understand a general set of guidelines to assess feasibility of a restoration project prior to undertaking it.	Restoration Decision Matrix	
3:45-4:15 PM (30 mins)	PRESENTATION 5.1 MONITORING RESTORATION PROJECTS	E-reference: Apo Island	NOAA
,	 Overview: Principles, Concepts, Processes, Tools Specific Incidents/Damage How to evaluate the process and 	Marine Sanctuary: Steps to Recovery	

	T	
	incorporate lessons learned into	from Storm
	future efforts	<u>Damage</u>
	Objective: To provide an overview on monitoring restoration efforts, including sharing the Apo Island/Siquijor Experience	
4:15- 5:30PM (1 hr 15 mins)	 EXERCISE 5.1: MONITORING RESTORATION PROJECTS Identify fish species that can be included in their monitoring program in their specific location/MPA and discuss with group to compare notes and discuss different choices. Understand the role that randomized controlled trials play in evaluating data, particularly from many sources. Understand the role that replicate study sites play in data reproducibility, dealing with confounding factors, scientific uncertainty, and assessing the quality of outcomes from quality or level of intervention. 	Worksheet 5.1: Choosing control sites for monitoring programs Refer to Module 5 Manual: Monitoring Ship grounding case study
	Objectives: Part I: Identify indicator species that would be fit to include in their monitoring program and provide reasoning. Part II: Understand tools used in the evaluation of restoration and conservation intervention outcomes	
5:30-5:45 PM	PRESENTATION: DRAFT RESPONSE PLAN GUIDELINES AND ASSESSMENT OF EXISTING RESPONSE PLAN	
5:45-6:00	WRAP-UP & IMPLEMENTATION AGREEMENTS FIEL WORK ANNOUNCEMENT	
6:00-6:15 PM	FEEDBACK REPORTING (MENTORS AND TABLE REPRESENTATIVES)	

Day 4 FIELD SESSION AND/OR SIMULATION EXERCISES

DAY 5 _TYPHOON DAMAGE AND INTRODUCTION TO ECOSYSTEMS VALUATION

TIME	ACTIVITY	MATERIALS	LEAD
8:00-8:15	REVIEW OF DAY 5		

8:15-8:30 (15 mins)	AND OVERVIEW OF DAY 6 Overview tools and methods case study presentation damage assessment and response plan		National Mentor
8:30-8:45 AM (15 mins)	PRESENTATION 5.1 INTRODUCTION TO TYPHOON DAMAGES • Fate of the coastal and marine habitats and associated species in typhoon incidences • Damage assessment and response • Dealing with remote situations in response Typhoon Haiyan disaster preparedness Objective: Understand impacts of typhoon incidences		
8:45-9:00 AM (15 mins)	PRESENTATION 5.2 DEALING WITH REMOTE SITUATIONS IN RESPONSE Overview of response for remote locations Community incident response and communications documentation, communicating the information Typhoon Haiyan disaster preparedness Objective: Understand impacts of typhoon incidences		
9:00-9:45 AM (45 mins)	EXERCISE 5.1: DAMAGE ASSESSMENT CASE STUDIES Using coral and mangrove case studies, review incident reports in different scenarios and fill out worksheet 2.2.	Worksheet 2.2: Damage Assessment Case Study Table Handouts Ex 2.2: Case Studies Scenarios 1-4	Cluster Mentor
9:45-10:45 AM (1 hr)	CASE STUDY PRESENTATION: TYPHOON DAMAGE ASSESSMENT APO ISLAND OPEN FORUM		Invited Speaker Dr. Aileen Maypa
10:45-11:30 AM	EXERCISE AND DISCUSSION 5.2: MATERIALS AND TOOLKITS	Handout 5.1 Boaters guide to	

(45 mins)	 Develop inventory of current materials and resources on hand at MPAs for preparedness toolkit, what's missing, challenges to filling gaps, and steps to share information and resources across NIPAS network to support assessment, response, and restoration. Develop community response/communication plan summary write a one pager and who's on your call sheet Objective: Review some key resources, materials, and toolkits MPA Managers can put together to be prepared. 	being prepared on boats Preparedness list in logbook	
11:30-12:00	 PRESENTATION 5.3: MARINE DEBRIS Ghost net study from NW Hawaiian Islands Tools and resources on marine debris Blackbird mine in Idaho (15-20 years) looking at impacts to anadromous fish Heal the Bay water quality ratings for the beaches 	E-handout: Marine Debris Shoreline Survey Field Guide	
	12:00-1:00 LUNCH		
1:00-1:30 PM	PRESENTATION 5.4. INTRODUCTION TO COASTAL AND MARINE ECOSYSTEMS VALUATION • Ecosystem Services • Valuation Approaches • Framework		BMB Speaker/ Maria Katrina Apaya
1:30-2:15	EXERCISE 5.1: ECOSYSTEM SERVICE APPLIED VALUATION (I) Assess ecosystem services in NIPAS MPAs and (II) hands-on practice for two ecosystem service valuation techniques, the Market Price method and Contingent Valuation Method. Objective: To distinguish between comparable currencies for ecosystem services in their MPAs Learn the differences between local,	Worksheet 1.2, 1.3. , Handout 1.1	

	regional and global ecosystem services Learn the use value versus option value or intrinsic value of ecosystem services Practice two ecosystem service valuation techniques: Market Price Method and Contingent Valuation Method	
2:15-2:45PM	PRESENTATION 5.5 CURRENT POLICIES AND FUTURE INITIATIVES ON ASSESSING	ВМВ
(30 mins)	THE VALUE OF ECOSYSTEMS	
2:45-3:45 PM	DAMAGE VALUATION (CASE STUDY)	
(1 hr)	Oil spill Computation of damage during the MV Princes Empress oil spill experience in Mindoro	ВМВ
	 Ship Grounding Cluster 1: MOBPL Cluster 2: TCPLS Cluster 3:SBPS 	BFAR
3:45-4:00 PM-	PRESENTATION 3.4: DRAFT RESPONSE PLAN GUIDELINES AND ASSESSMENT OF EXISTING	
(15 mins)	RESPONSE PLAN	
4:00-4:30 PM	FINAL REFLECTIONS AND PROGRAM WRAP UP	
(30 mins)	 What are the ten most inspiring and important aspects of the entire capacity building program? How can you take those to inspire others? What can we do at the program summit to support you bringing these inspirations to fruition? 	

4:30-5:00 PM (30 mins)	 WRAP-UP & IMPLEMENTATION AGREEMENTS Training wrap up Inspirations to stay engaged Course evaluation DEBRIEFING (MENTORS AND TABLE REPRESENTATIVES) 	
5:00-6:00 PM	Jeopardy Game	National Mentors
6:00 PM- onwards	 CONGRATULATIONS! Dinner Certificate Celebrations 	All

Day 6- Travel Time to office station