CORAL TRIANGLE INITIATIVE
ON CORAL REEFS, FISHERIES AND FOOD SECURITY

REGIONAL TRAINING ON IDENTIFICATION OF SHARKS AND RAYS

Species Visual ID and Design monitoring at Landing Site

25th – 27th February 2019
Novotel Lombok Resort and Villas, Lombok-West Nusa Tenggara

Background

Sharks, rays and their relatives (Class Chondrichthyes) are the world's most threatened species groups. Their elevated extinction risks are products of high levels of fishing mortality in both target and by-catch fisheries. These species have relatively slow growth and low reproductive rates which make most of them particularly vulnerable to overfishing. Due to its vulnerability, several species of sharks and rays have been listed in the annexes of the *Convention on International Trade in Endangered Species of Wild Fauna and Flora* (CITES) and additional species are proposed to be listed.

Coral Triangle region is a global priority area for threatened species and marine species conservation including sharks and rays, since it is both a hotspot for species diversity and fishing pressure. Sharks and rays populations decline leads to ecological imbalance, causing food webs to alter and prey behaviour to change. The main driver of significant decline in sharks and rays population is a combination of sharks and rays fishing, due to their valuable fins, skins, and gills and low reproduction cycle. Along with it, there is insufficient sharks and rays catch data for most parts of the world fisheries. The absence of this data gives very significant impact on regulating utilization and could result in overexploitation and extinction of wild populations.

With growing concern regarding the sustainability of sharks and rays fisheries and trade, monitoring data at the level of sharks and rays landing is important to do, as well as identifying the fishing efforts taken. The combination between data of number of sharks and rays landed and the number of fishing vessels used termed as Catch per Unit Effort (CPUE). CPUE is an indirect measure of the abundance of a target species. Thus, through the CPUE we could predict trend of population sharks and rays in wild, whether decrease, increase and/or overexploited. In relation to this, CTI-CFF through Threatened Species Working Group with support from Wildlife Conservation Society will conduct an Identification Training on Sharks and Rays: Species Visual ID and Design monitoring at Landing Site.

Objectives

Acknowledging the ecological and socio-economic importance of ensuring sustainable management of sharks. This training aims to build on existing systems and expertise to further develop capacity for shark's conservation. In particular, the training will build capacity of relevant stakeholders / institutions to identify the species of sharks and rays and therefore enforce species protection laws and trade regulations, to ensure legal/sustainable use and compliance with international and national regulation.

The main objective of this training is to impart knowledge and train the participants on sharks and ray's identification. Specifically, the training aims to:

1. Know how to design sharks and rays monitoring at landing sites
2. Gain knowledge and skills on how to identify sharks and rays
3. Identify the most caught sharks and rays species
4. Improve skills in collecting fisheries data (particularly sharks and rays species)

PROVISIONAL AGENDA

REGIONAL TRAINING ON THE IDENTIFICATION OF SHARKS AND RAYS

organized by Regional Secretariat, NCC Indonesia, MMAF and WCS

Novotel Lombok Resort & Villas, Lombok-West Nusa Tenggara

25-27 February 2019

Time	Agenda	Resources Needed	Person-in-Charge
Day 1: February 25 - Monday			
8:30 - 9:00	Registration	Attendance sheets Training kits Name tags	KKHL & WCS
9:00 - 9:30	Opening Program 1. Welcome Remarks 2. Message from the CTI-RS 3. Message from Chair of TSWG 4. Remarks from WCS 5. Opening Remarks 6. Photo Session	MC Photographer	1. Governor of NTB 2. Interim Executive Director of CTI-CFF RS 3. Chair of TSWG (Papua New Guinea) 4. Country Director of WCS Indonesia 5. MMAF 6. KKHL
9:30 - 9:45	Session 1: Overview of the Training • Rationale and Objectives of the Training • Session Overview • Expected Outputs and Outcomes	Presentation LCD Wide screen	Efin -WCS
9:45 – 10:15	Session 2: Brief Overview of West Nusa Tenggara Fisheries and Tanjung Luar • Description of the area • Location and significance • Lesson learned • Video on Ocean and Us	Presentation LCD Wide screen	Fisheries Office – NTB
10:15 - 10:30	Coffee Break		
10:30 – 11.30	Session 3: Overview on sharks and rays • Global or regional status of sharks and rays • Sharks and rays in CITES	Presentation LCD Wide screen	Mr. Dharmadi-MMAF

Time	Agenda	Resources Needed	Person-in-Charge
	• Indonesia regulation on sharks protection		
11:30 - 12:30	Session 4: How to Design Landing Monitoring • Background on methodology • How to Design Landing Monitoring? • Biology Measurement in Landing Monitoring Q and A	Module	Benaya - WCS
12:30 - 1:30	Lunch		
1:30 – 1.45	Pre-Test:		Trainer
1:45 - 3:00	Session 5: How to Identify Sharks	Module	Mr. Darmadi
3:00 - 3:30	Coffee Break		
3:30 - 4:45	Session 6: How to Identify Rays	Module	Benaya WCS
4:45 - 5:00	Wrap up and Exercise for Day 2 Closing of day-1	Minutes of meeting	Efin -WCS
6:00 - 7:30	Dinner at Hotel		WCS Indonesia
Day 2: February 26 - Tuesday			
6:00 - 6:30	Breakfast and registration	Attendance List	KKHL
6:30 - 6:45	Briefing for Field trip		Efin -WCS
6:45 - 7:45	Depart to Tanjung Luar Landing Site	Car and Bus	WCS
7:45 - 10:00	Field observation *Identification morphology sharks and rays *Biological measurement *Technical photographic	Measuring instrument, module identification	Trainer
10:30 - 11:30	Travel back to the hotel	Car / Bus	WCS Indonesia
11:30 - 1:00	Lunch and Break		
13:00 - 15:00	Session 7: Evaluation of field observation Evaluating identification process and evaluating the sharks and rays pictures	Minutes meeting Module	Benaya-WCS
3:00 - 3:15	Coffee Break		
3:15 - 4:45	Session 8: How to Collect and input Sharks and Rays Data Format Excel provided by trainer	Module	Benaya & Efin-WCS

Time	Agenda	Resources Needed	Person-in-Charge
	Format Sheet for field observation		
4:45 - 5:00	Wrap up and close day-2 Preparation for Tanjung Luar Site visit	Minutes of meeting	Efin-WCS
6:00 - 7:30	Dinner		
Day 3: February 27 - Wednesday			
6:00 - 6:30	Breakfast and registration	Attendance List	WCS Indonesia
6:30 - 6:45	Briefing		WCS Indonesia
6:45 - 7:45	Depart to Tanjung Luar Landing Site	Car / Bus	WCS Indonesia
7:45 - 10:30	Independent field observation *Identification morphology sharks and rays *Biological measurement *Technical photographic		Trainer
10:30 - 11:30	Travel back to the hotel	Car / Bus	WCS Indonesia
11:30 - 13:00	Lunch and Break		
13:00 – 15:00	Discussion and lesson learn from participants		Benaya & Efin-WCS
15.00 – 15.15	**Post-Test**		
15:15 - 15:30	Wrap up and synthesis		Chair of TSWG
15:30 - 16:00	Closing program		CTI-CFF RS