

## Handline Tuna Banda Sea Workplan (1 January – 31 December 2018)

### Status of the fishery

Yellowfin tuna is an important artisanal fishery, supporting the livelihoods of coastal communities in the Banda Islands. However, there is no accurate catch data on of the handline yellowfin tuna fisheries. Banda Islands situated in the Banda Sea, and part of the Western Central Pacific Ocean. Administratively, Banda belongs to Maluku Province. The Archipelago was famous once as the only world's source of the nutmeg until the mid-19th century.

In the region, yellowfin tuna contributes to about 4% of total fish landing in Maluku Province, putting this fishery in number 6 of top fisheries commodities from Maluku Province, following other fish (21%), skipjack (10%), scad (7%), eastern little tuna (7%) and mackerel (5%). The Banda Sea is one the main sources of coastal tuna fishery for export.

At the regional level, The estimates of the latest (2012) and current (2008-2011) spawning biomass of the yellowfin tuna in the Western Central Pacific Ocean are both above levels necessary to produce the maximum sustainable yield (MSY). This indicates that that the population is not *in an overfished state*. Fishing mortality levels have been increasing over time but are still below levels needed to produce the maximum sustainable yield. Therefore overfishing is not occurring. Although it should be noted that catches in recent years have been close to or exceeded MSY by up to 13% (Davies et al. 2014).

The biomass of yellowfin tuna has declined over time and fishing mortality rates for juveniles and adults have increased over time. Depletion estimates have also increased over time, reaching 60% of unexploited levels in 2012. While this is considered a moderate level of depletion, depletion in equatorial waters is considered to be higher – indicating that these regions may be fully exploited (Davies et al. 2014). Also, newly released Fishery Minister Decree on Estimation of Fishery Resource Potential in Indonesia put yellowfin tuna in Banda Sea (WPP 714) as *fully exploited* (MMAF, 2011).

## Workplan

The FIP aims to support and contribute to the development of the improvement and sustainability of the small scale handline tuna fishery in Indonesia. The FIP involves over 200 fishers from Banda islands operating in the 50 to 60 nautical miles from their villages into Banda Sea. The FIP steps are to start with some improvement measures, which will likely be further developed as time progresses.

Action/Task	Deliverables	Deadline
<b>Stock Asssment</b>		
Biological port sampling	Port sampling for biological data recording continued by the enumerators	Dec 2018
Catch data primary species reporting	<ul style="list-style-type: none"> <li>&gt; Data inputted into database; analysed and submitted to the Authority</li> <li>&gt; Result is reported to stakeholders during stakeholders consultation</li> <li>&gt; Continue to contribute data towards the development of harvest control strategy and rules</li> </ul>	Dec 2018
<b>ETP recording</b>	Port sampling for ETP	Dec 2018
<b>Management and Governance</b>		
Continue to strengthen Fisher Organisation capacity/skills (e.g. training in organisation development, finance, facilitation, safety at sea and first aid training)	Training for fisher group completed	Dec 2018
Renewing Boat registration with local authority at Provincial level according new regulation	Registration of fishing boats to get the BPKP (Bukti Pendaftaran Kapal Penangkap) into the Government system called R-VIA, as required completed	April 2018
	Continue to monitor the fishing ground using VT devices	Dec 2018
Time Lapsed Camera to observe fishing activity	Installation 10 TLC	Dec 2018
Stakeholder meeting and consultations	Local stakeholder consultations held in 2016. The main objective of this	March and September 2018

	stakeholder consultation is for data management, which meeting planned to be conducted twice a year	
<b>Community Support</b>		
Safety at Sea and First Aid Training for fishers who has completed boat registration	3rd training Completed	Sept 2018
Provide fishers with information concerning new facilities which could be accessed by fishers including insurance for fishers	Information delivered	Dec 2018
<b>Policy and Coordination</b>		
Support National Tuna Fishery Management Plan Implementation	Participate in the data collection and compliance in fishing regulation	Dec 2018
Local Stakeholders consultation	stakeholders meeting conducted	Mar and Sep 2018
FIP meetings	Meeting with MMAF updating FIP progress	Dec 2018
<b>Communication and Promotion</b>		
Update Progress report regularly in the available industry website	FIP reporting in industry website up to date	April, Aug, and Dec 2018
Outreach and awareness	FIP is presented in seafood shows  Outreach materials prepared and shows completed	Mar and May 2018