



IOS FIP Workplan – January 2023 revision

Table 2 – proposed Actions to close the gaps

Proposed Actions – stock assessment	Outputs	Year start	Year End	Time budget	Lead responsibility	Progress	Audit trace
<b>Gaps addressed A1.2, A2.1-A2.5</b>							
Establish harvest control rules for each sector - There are two sectors for harvest control. ie., Purse seine/ shore seine	Discussion document	Year 4	End Year 4 - December 2023	12 months	Fisheries agency plus stakeholders from all sardine fisheries	Next phase is to talk with agency fishery managers about establishing harvest control rules	
	Workshop reports						
Prepare and publish regulations to give effect to control rules	Advisory document	Year 5		6 months?	Fisheries agency and law makers		
<b>Proposed Actions – Monitoring, Control and Surveillance</b>	<b>Outputs</b>	<b>Time Table</b>		<b>Time budget</b>	<b>Lead responsibility</b>		
<b>Gaps addressed M2.1, M2.3, M2.4</b>							
Clarify MCS arrangements in Maharashtra State VTS rules should be available.	Short report	Year 1		3 months	FIP support consultant and		
Liaise with government officials over the need for proper resourcing for MCS - Secretary Director of Goa Fisheries department has said that enforcement is his top priority	Meetings	Year 3	Mid 2022	6 months (and repeat if required)	FIP members	See letters from Goa and Marashtra 2 January 2021	Copies of correspondence and updates
Document MCS activities in both Goa and Maharashtra and provide evidence of	Short report	Year 1		12 months	FIP support consultant and		
Document how MCS efforts work towards implementation of national policy	Report	Year 3	Mid 2022	3 months	MCS Consultant and agency staff	Completed January 2023	Report submitted to Marin Trust
<b>Proposed Actions – ecosystem impacts</b>	<b>Outputs</b>	<b>Time Table</b>		<b>Time budget</b>	<b>Lead responsibility</b>		
<b>Gaps addressed F3.1-F3.3</b>							
Update and extend current Ecosim with Ecopath (EwE) model for SW India. Include climate change effects and effects of predators such as dolphins	Report	Year 3	End Year 3 - December 2022	12 months	Science agency staff	Literature obtained and discussions held with	Literature and email correspondence
Model and evaluate the effects of the fishery of interest and other sardine fisheries. Workshop with stakeholders	Report	Year 4	End Year 4 - December 2024	6 months	Science agency staff	To be undertaken once EwE model is prepared	
Discussions with agency about fishery planning (i.e. management plan preparations)		Year 4		12 months	Fisheries management staff and stakeholders		
Incorporate any of the important results of the modelling into the fishery planning	Fishery regulations	Year 5		6 months	Fisheries management staff		

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incorporating into the fishery planning.	regulations				and stakeholders		
Proposed Actions – protected, endangered and threatened species Gaps addressed F3.1-F3.3	Outputs	Time Table		Time budget			
Detailed review of literature, including any local projects, that may have researched this area - Dr Shirdhankar from the Ratnagiri college of fisheries will give data to fill the gaps	Report	Year 3		6months	Consultant and agency staff	Visits to College of Fisheries and searches for existing information have been carried out	Email correspondence
Vessel based observer work -CIFT may have some information based on vessel based work looking at dolphin depredation	Report	Year 3		24 months	Consultant, fishermen and science support	Research papers obtained from CIFT and gaps identified.	Literature and email correspondence
Proposed Actions – other retained species	Outputs	Time Table			Lead responsibility		
Write to RS Standards regarding the unit of assessment	Email exchange	Already done		Completed	FIP consultant	Completed	
Resolve catching method for mackerels. Are they caught when fishing for sardines using the	Short report on mackerel	Year 1		3 months	Local consultant	Completed	
Detailed review of literature, including any local projects, that may have researched this area	Short report	Year 1		3 months	FIP support consultant plus agency staff and	Completed	
Observer based catch sampling	Report	Year 3	End Year 3 - December 2022	24 months	Science providers and fishermen	Completed	