

Items	Code	Descriptions	Deliverable	Start date	End date
Action 1.1 / O3	Action 1.1 / O3	Fisheries management plan (FMP) for the trawl fishery in BRVT	A trawl fishery management plan ready to be suggested to Sub-DOF BRVT for implementation.		
Objective:	Action 1.1 / O3	Develop a Fisheries Management Plan (FMP) through a co-management approach			
	1.1.1	Review of current trawl fishery management policies, objectives (including Master plan objectives) and management measures in place in BRVT	A report about current trawl fishery management policies, objectives (including Master plan objectives) and management measures in place in BRVT	01/01/22	01/12/23
	A	Review of current trawl fishery management in BRVT	A report about current trawl fishery management in BRVT	10/02/23	15/03/23
		<p>Desk review about fishery management in BRVT in general and management of trawl fisheries</p> <p>(i) Send email to sub-DOF to ask for relevant references: BRVT fishery management documents and sub-DOF reports (quarter, six-months, annual)</p> <p>(ii) Search for more information from relevant website, e.g: Directorate of Fishery, VASEP, ICAFISH</p> <p>(iii) Write a report about trawl fishery management in BRVT until 2023 and share with FIP partners and stakeholders</p>	<p>Email, official letters</p> <p>A report about trawl fishery management in BRVT until 2023</p>		
	B	Meeting with Sub-DOF BRVT about BRVT Provincial Fisheries Management Plan from 2023 onwards			
		<p>Request a meeting with Sub-DOF BRVT</p> <p>Prepare a letter and FIP documents for such meeting and email to sub-DOF</p>	Acceptance via email or Zalo by Sub-DOF	01/02/23	28/02/23
		<p>Meeting with Sub-DOF BRVT</p> <p>(i) Update FIP Vung Tau activities</p> <p>(ii) Consult with Sub-DOF about the provincial Fishery Management Plan in general (the FMP) and trawl fishery management plan (if any)</p> <p>(iii) Communicate with Sub-DOF about how FIP VT can contribute to the development, update and implement the FMP</p> <p>(iv) Offer help to sub-DOF with developing a FMP for trawl fishery of BRVT</p> <p>(v) Suggest sub-DOF to form a key stakeholder team and lead agency during developing FMP for trawl fishery of BRVT</p> <p>(vi) Discuss about fishery data sharing mechanism</p> <p>(vii) Request relevant fishery management documents, e.g: policies, objectives (including Master plan objectives), applicable and tentative management measures</p>	<p>Photo</p> <p>Relevant official documents provided by the Sub-DOF</p>	01/03/23	28/04/23
	C	Agreement with Sub-DOF	A report about current trawl fishery management in BRVT		

Items	Code	Descriptions	Deliverable	Start date	End date
		Prepare the agreement of the collaboration between sub-DOF BRVT and FIP Vung Tau that covers trawl fishery data sharing, trawl FMP and trawl fishery co-management (i) Develop a draft of agreement (ii) Share the draft with Sub-DOF for comments (iii) Revise the agreement based on sub-DOF's comments	Acceptance via email or Zalo by Sub-DOF	02/05/23	12/05/23
		The Director of BRVT sub-DOF and the Chairman of Fishmeal Association sign the agreement Participants of the event: FIP partners, the key stakeholder team and lead agency	Photo The signed agreement	12/05/23	26/05/23
	1.1.2	BRVT trawl FMP is developed and adopted by BRVT sub-DOF			
	A	Form a trawl fishery co-management team			
		Approach and propose key stakeholders and lead agency to form the co-management team of BRVT trawl fishery, including at least: (i) relevant provincial authorities, e.g: Sub-DOF, port authorities, border guard; (ii) marine scientific research organizations, e.g: SORESIMF, NTU; (iii) industrial associations, e.g: BRVT Fishery Association, VASEP; (iv) NGOs, e.g: MCD Vietnam, WWF, IUCN, SFP, FAO.	Emails	05/01/23	31/03/23
		Develop operational documents for the co-management team: (i) a draft of consortium agreement with a workframe for the stakeholder team that covers: scope of activities of the consortium, roles and responsibilities of each stakeholder, tasks of each stakeholders in the consortium with budget allocate and timelines and reporting; (ii) a draft of the Code of Conduct for the consortium including interest conflict handling procedure; (iii) share these documents with tentative team members for comments (10 working days).	Draft of consortium agreement Draft of the Code of Conduct	30/01/23	14/04/23
		Develop the draft of frame trawl FMP covers: scope and overall policy goals; Fishery resources, ETBs, critical habitats, ecosystem, compliance and enforcement	Draft of frame trawl FMP	14/04/23	28/04/23
		Hold a meeting to form the co-management team: (i) prepare an invitation letter; (ii) send the invitation letter to all (tentative) team members together with team operational documents; (iii) preparation for the meeting venue and other logistics; (iv) conduct the meeting with discussion points: Consortium agreement, Code of Conduct, frame trawl FMP	Meeting agenda Participating confirmation emails Draft of consortium agreement Trawl frame FMP List of stakeholder team members Meeting minutes	05/05/23	26/05/23

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		<p>Follow up with signing operational documents:</p> <ul style="list-style-type: none"> (i) consortium agreement; (ii) Code of Conduct (iii) Trawl frame FMP (iv) announce and publish the FIP Vung Tau co-management team 	<p>Signed consortium agreement Signed Code of Conduct Signed Trawl frame FMP Announcement of FIP Vung Tau com-management team</p>	26/05/23	16/06/23
	B	Develop a workplan on developing a FMP that links with all of the other FAP actions	Workplan		
		<p>Develop a trawl fishery sampling plan:</p> <ul style="list-style-type: none"> (i) Translate the 'Interim guidance on data needs for assessing and monitoring the fish resources in the multispecies trawl fisheries of Ba Ria-Vung Tau, Vietnam' (ii) Develop the ToR for Collect trawl fishing database in Ba Ria - Vung Tau province (iii) Discuss with the contractor (SOUTHERN SUB-RESEARCH INSTITUTE FOR MARINE FISHERIES) about the ToR (iv) Develop a trawl fishery sampling plan that covers total catch, reduction component and ETPs (v) Develop and proceed the contract with the contractor 	<p>The translation of 'Interim guidance on data needs for assessing and monitoring the fish resources in the multispecies trawl fisheries of Ba Ria-Vung Tau, Vietnam' ToR Sampling plan Contract</p>	18/11/22	28/02/23
		<p>Develop a workplan for the co-management team:</p> <ul style="list-style-type: none"> (i) develop a draft of the co-management team work plan including at least, but not limited to: outputs / deliverables, activities / timeline / budget, communication (ii) the co-management team agrees upon the work plan 	<p>The co-management team work plan Meeting minutes</p>	14/04/23	28/04/23
		<p>Analyse trawl fishery data:</p> <ul style="list-style-type: none"> (i) arrange a server for storing trawl fishery data (ii) enter BRVT trawl fishery data (data shared by sub-DFISH and collected by budget of FIP) (iii) develop ToR for fishery data analyst and proceed the contract (iv) analyse data (v) draft report 	Analysis report	03/07/23	01/07/24
		<p>Conduct a workshops with the co-management team:</p> <ul style="list-style-type: none"> (i) discuss results about stock assessments, reduction, ETPs, critical habitats (ii) agree on management measures to control total catch and reduction, methods to record future interaction with ETPs, method to mitigate impact on critical habitats and collection for future monitoring 	<p>Invitation letter Workshop report Photos</p>	21/07/23	09/08/24
		<p>Conduct a workshops with stastakeholders:</p> <ul style="list-style-type: none"> (i) present the outcomes of the co-management team workshops (ii) record feedback from stakeholders 	<p>Invitation letter Workshop report Photos</p>	21/07/23	09/08/24

Items	Code	Descriptions	Deliverable	Start date	End date
		<p>Develop the first version of FMP:</p> <ul style="list-style-type: none"> (i) Analyse feedback from the co-management team and stakeholders (ii) Develop the draft FMP (iii) Share the draft FMP with the co-management team for final comments (iv) Finalise first version of FMP 	Draft FMP	21/07/23	30/08/24
		<p>Propose the Sub-DOF BRVT to incorporate the trawl fishery FMP into the provincial master FMP:</p> <ul style="list-style-type: none"> (i) Share the draft FMP with the Sub-DOF BRVT (ii) Propose a meeting between FIP Vung Tau, the fishery co-management team with the Sub-DOF BRVT (iii) Meet with the Sub-DOF BRVT and the fishery co-management team (iv) Prepare and share the draft agreement about the Public Private Partnership (PPP) related to BRVT trawl fishery FMP (v) Follow up with signing the agreement (vi) Organise a workshop to announce the PPP 	<p>Meeting minutes PPP agreement Workshop report Photo</p>	30/08/24	27/09/24
Priority		Very high			
Estimated Cost	Action 1.1 / O3	64.000 USD			
Responsible Parties	Action 1.1 / O3	<p>Kim Delta Vietnam Sub-DOF BRVT / DARD BRVT Fishmeal & Fish Oil Association of BRVT / Fishery Association of BRVT Directorate of Fisheries of Vietnam SORESIMF (Southern Seafood Research Sub-Institute) Nha Trang University / Institute for Marine Science & Fishing Technology</p>			
Action 1.2 / O1:	Action 1.2 / O1:	Mechanism for fisheries information sharing with DARD, Sub-DOF BRVT and BRVT Port authorities.			
Objective:	Action 1.2 / O1:	Support BRVT authorities for better management of trawl fisheries activities in the province.			
Action Description		<p>Study about options for FIP Vung Tau to have trawl fishery data from the existing official fishery data system in Vietnam:</p> <ul style="list-style-type: none"> (i) Map existing fisheries information owners and sources of data among stakeholders (ii) Assess the current mechanisms for sharing data and information (iii) Organise a workshop researchers to have an overview about collecting multispecies fishery data and sharing data among stakeholders 	<p>Report Participant list Workshop material (presentation) Workshop report</p>	25/04/22	20/08/22

Items	Code	Descriptions	Deliverable	Start date	End date
Action Description		<p>Develop agreements / MoU between FIP Vung Tau and key stakeholder about trawl fishery data sharing / collecting mechanism:</p> <p>(i) Meetings with key stakeholders: Directorate of Fishery (DFISH/MARD), sub-DFISH BRVT, IUCN Vietnam, WWF Vietnam</p> <p>(ii) Meetings with potential partners of FIP Vung Tau: seafood and surimi processors in BRVT, VASEP</p> <p>(iii) Develop and share the agreements / MoU with stakeholders about data sharing that covers: trawl fishery data and information needs to be shared (e.g. vessel data, catch data, IUU data etc) and; the fishery data and information sharing mechanism (e.g. expand existing databases, open access portal etc)</p> <p>(iv) Follow up with signing process</p>	The draft of mechanism of data collecting / sharing	05/05/23	26/05/23
		<p>Develop the BRVT trawl fishery portal</p> <p>(i) Develop ToR for the service provider</p> <p>(ii) Discuss the ToR with potential providers, select one and proceed the contract</p> <p>(iii) Follow up with the progress and update stakeholders</p>	A portal to publish trawl fishery data / information	05/05/23	26/05/23
Priority	Action 1.2 / O1:	High			
Estimated Cost	Action 1.2 / O1:	12.615 USD			
Action 2.1 / O1:	Action 2.1 / O1:	Collection of trawl fisheries data		01/03/23	03/05/24
Rationale		<p>Some scientific data on trawling in Ba Ria - Vung Tau collected by Southern Seafood Research Sub-Institute (SORESIMF). During the workshop in Ho Chi Minh City on August 3, 2022, Derek Staples asked the SORESIMF representative if they could share these data with FIP Vung Tau. No official answer was given, but SORESIMF staff later implied that sharing their data with the private sector was a sensitive matter.</p> <p>It will take some time for FIP Vung Tau to access public fisheries science data. As a result, the FIP budget has been reallocated to focus on improving the Ba Ria - Vung Tau trawl fishery database to provide baseline data for an actual FMP.</p> <p>In addition, besides fishmeal companies, seafood and surimi processors (VASEP members) also source their inputs from trawling, they certainly hold certain fisheries information, engaging them in FIP and discussing with them the possibility of data sharing is needed to have comprehensive data for the BRVT trawl fishery.</p>			
Objective:	Action 2.1 / O1:	Improve the quality of data collected for BRVT trawl fisheries			

Items	Code	Descriptions	Deliverable	Start date	End date
Gap addressed:	Action 2.1 / O1:	A2,B2,C2: Expected rating from High risk to Medium risk			
Justification:	Action 2.1 / O1:	Data of total landings from fisheries, CPUE, species composition and catch composition are not available at species level.			
		Develop guidance for 'Multi-species stock assessment': (i) Proceed a contract with Fish Matter (ii) Form Peer review committee (iii) Conduct the peer review (iv) Finalise the 'Interim guidance on data needs for assessing and	Guidance for 'Multi-species stock assessment'	01/03/22	15/07/22
Action Description	2.1.1	Collect trawl fishery data: (i) Develop a ToR and contract with a fisheries advisor to ensure the rationality of the sampling plan (ii) Discuss with SORESIMF fisheries experts about frequency, quantity and sampling points (iii) Develop ToR and proceed the contract with SORESIMF about sampling plan	ToR Contract Sampling plan	15/11/22	29/02/24
		(v) Collect trawl fishery data	Data report	17/03/23	29/03/24
Priority	Action 2.1 / O1:	High			
Estimated Cost		114.069 USD			
Responsible Parties	Action 2.1 / O1:	SORESIMF Derek Staples Kim Delta Vietnam			
Action 2.2 / O2:	Action 2.2 / O2:	Status and management of fishery resources			
Objective:	Action 2.2 / O2:	Assess the status of the fishery resource and develop management measures as inputs into the development of the FMP.			
Gap addressed:	Action 2.2 / O2:	A3-A6 and B3-B6: Expected rating from High risk to Medium risk			
Justification:	Action 2.2 / O2:	The status of the fishery resource is known with a low degree of certainty The status of high-risk species is unknown. No management measures have been developed.			

Items	Code	Descriptions	Deliverable	Start date	End date
Action Description		Finalise 'Multi-species stock assessment' methods that could be used in the BRVT trawl fishery, based on existing and possible new data: (i) Share analysis results with the trawl fishery co-management team for feedback (ii) Critically review the existing multi-species stock assessment guidance related to the BRVT trawl fishery (iii) Conduct workshop to identify gaps in the assessments and agree on: the groups to be used aggregated assessment methods; a set of set of indicator species based on a PSA analyses (high risk, medium risk and low risk species) that will be used to guide management (10-15 species); how to assess the impact on juvenile fish of high-value species; target reference point (TRP) for the aggregate catch and limit reference point(s) (LRP) for the high-risk/vulnerable species. (iv) Conduct additional analyses deemed (if necessary) (v) Prepare results for input into stakeholder consultations and input to the FMP	Workshop report Photos	08/04/24	10/05/24
Priority	Action 2.2 / O2:	High			
Estimated Cost	Action 2.2 / O2:	4.800 USD			
Responsible Parties	Action 2.2 / O2:	Sub-DOF BRVT Derek Staples SORESIMF The co-management team Kim Delta			
Action 2.3 / O2:	Action 2.3 / O2:	Status and management of the reduction component of the catch.			
Objective:	Action 2.3 / O2:	Assess the status of the reduction component of the catch and develop management measures as inputs into the development of the FMP.			
Gap addressed:	Action 2.3 / O2:	C2-C6: Expected rating from High risk to Medium risk			
Justification:	Action 2.3 / O2:	Insufficient data and information concerning the reduction component of the catch The status of the reduction component is unknown. No management measures have been developed.			

Items	Code	Descriptions	Deliverable	Start date	End date
Action Description	2.3.1	<p>Determine the species composition of the reduction component of the catch in four categories: "by-products", "true trash fish", "poor quality high-value fish" and "juveniles of high-value fish"</p> <p>(i) Analyse collected data by SORESIMF and withdraw conclusion about the status of the different categories of the reduction component of the catch for: aggregate by-product fish; aggregate trash fish catch and; stock assessments/risk assessments for indicator species.</p> <p>(ii) Develop a monitoring program for tracking the species composition of the reduction catch, at annual intervals</p> <p>(ii) Share analysis results with the trawl fishery co-management team for feedback</p> <p>(iii) Prepare results for input into stakeholder consultations and input to the FMP</p>	Workshop report Photos	08/04/24	10/05/24
Priority	Action 2.3 / O2:	High			
Estimated Cost	Action 2.3 / O2:	30.050 USD			
Responsible Parties	Action 2.3 / O2:	Sub-DOF BRVT SORESIMF Derek Staples The co-management team Kim Delta			
Action 2.4 / O2:	Action 2.4 / O2:	Status and management of ETPs		17/03/23	31/08/23
Objective:	Action 2.4 / O2:	Assess the impact of the trawl fishery on ETPs and develop mitigation measures as inputs into the development of the FMP			
Gap addressed:	Action 2.4 / O2:	T1-T3: Expected rating from High risk to Medium risk			
Justification:	Action 2.4 / O2:	A comprehensive study about the interaction/effects of the trawl fishery with/on ETP in BRVT waters is not conducted yet.			

Items	Code	Descriptions	Deliverable	Start date	End date
Action Description		Assess the impact of the trawl fishery on ETPs and develop mitigation measures as inputs into the development of the FMP: (i) Develop a list of ETPs for the BRVT based on IUCN,CITES and national lists (ii) Analyse data collected by SORESIMF: observer data, interviews with fishers, landing site and at fishmeal factories (iii) Conduct risk-based assessment of the impact of trawling on ETPs: direct impact of trawling; indirect impact lost gear (iv) Share analysis results with the trawl fishery co-management team for feedback (v) Prepare results for input into stakeholder consultations and input to the FMP	Workshop report Photos	17/03/23	31/08/23
Priority	Action 2.4 / O2:	Moderate			
Estimated Cost	Action 2.4 / O2:	2.000 USD			
Responsible Parties	Action 2.4 / O2:	Sub-DOF BRVT SORESIMF WWF Vietnam IUCN Vietnam The co-management team Kim Delta Vietnam			
Action 2.5 / O2:	Action 2.5 / O2:	Status and management of critical habitats.			
Objective:	Action 2.5 / O2:	Assess the impact of the trawl fishery on critical habitats and develop mitigation measures as inputs into the development of the FMP.			
Gap addressed:	Action 2.5 / O2:	H1-H3: Expected rating from High risk to Medium risk			
Justification:	Action 2.5 / O2:	A comprehensive study about the nature, distribution and vulnerability of the commonly encountered habitats in BRVT waters is not conducted yet. There are no scientific studies to evaluate interaction.			

Items	Code	Descriptions	Deliverable	Start date	End date
Action Description		<p>Assess the impact of the trawl fishery on critical habitats and develop mitigation measures as inputs into the development of the FMP:</p> <p>(i) Scientific desk review about the nature, distribution and vulnerability of the commonly encountered critical habitats in BRVT, including baselines of past distribution and habitat quality</p> <p>(ii) Conduct risk-based assessment of the impact of trawling on critical habitats: direct impact of trawling, indirect impact lost gear</p> <p>(iii) Share analysis results with the trawl fishery co-management team for feedback</p> <p>(iv) Prepare results for input into stakeholder consultations and input to the FMP</p>	Workshop report Photos	17/03/23	31/08/23
Priority	Action 2.5 / O2:	Moderate			
Estimated Cost	Action 2.5 / O2:	2.000 USD			
Responsible Parties	Action 2.5 / O2:	Sub-DOF BRVT WWF Vietnam IUCN Vietnam The co-management team Kim Delta Vietnam			
Action 2.6 / O2:	Action 2.6 / O2:	Status and management of ecosystem structure and function			
Objective:	Action 2.6 / O2:	Assess the impacts of the BRVT fishery of the structure and function of the ecosystem in BRVT and develop mitigation measures as input into the FMP			
Gap addressed:	Action 2.6 / O2:	E1-E3: Expected rating from High risk to Medium risk			
Justification:	Action 2.6 / O2:	There is no information to identify the ecosystem elements in BRVT waters, hence main impacts of the trawl fishery on these key ecosystem elements cannot be inferred.			
Action Description		<p>Assess the impacts of the BRVT fishery of the structure and function of the ecosystem in BRVT and develop mitigation measures as input into the FMP:</p> <p>(i) Scientific desk review on the changes in the ecosystem structure (species composition) based on historic research trawl surveys</p> <p>(ii) Review and describe any existing ecosystem models (e.g. Ecopath with Ecosim) that could be used to model the ecosystem dynamics of the BRVT marine ecosystem</p> <p>(iii) Share analysis results with the trawl fishery co-management team for feedback</p> <p>(iv) Prepare results for input into stakeholder consultations and input to the FMP</p>	Workshop report Photos	17/03/23	31/08/23

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Priority	Action 2.6 / O2:	Moderate			
Estimated Cost	Action 2.6 / O2:	2.000 USD			
Responsible Parties	Action 2.6 / O2:	Sub-DOF BRVT WWF Vietnam IUCN Vietnam The co-management team Kim Delta Vietnam			
Action 2.7 / O4:	Action 2.7 / O4:	Project Management		01/01/22	01/12/24
Objective:	Action 2.7 / O4:	Ensure that all actions covered by this action plan are executed and achieve its goals within the agreed timeframe and budget.			
Gap addressed:	Action 2.7 / O4:	Not applicable			
Justification:	Action 2.7 / O4:	Not applicable			
Action Description		Develop ToRs & contracts		01/01/22	01/12/24
Action Description		Organize workshops, conferences, meetings			
Action Description		Engage advisors at critical steps in the project			
Action Description		Administration (maintain eligibility of FIP, support partners with assessments and audits) and payments			
Priority	Action 2.7 / O4:	High			
Estimated Cost	Action 2.7 / O4:	45.000 USD			
Responsible Parties	Action 2.7 / O4:	Kim Delta Vietnam			