

Panamanian Small Pelagics FIP Progress Update

July 2019 – LAST TWELVE MONTHS ACTIVITIES APPEAR IN BLUE THROUGHOUT THE TABLE

Results/ FIP Stage	Indicator of Success	Specific Details	Date Achieved	Entities in charge	Source
FIP is launched (Stage 1)	Sustainability assessment is publicly available	Sustainability report	January 2009	FishSource (SFP)	Pacific anchoveta Pacific thread herring Pacific bumper
		Fishery technical reports available at CeDePesca's website	October 2010	CeDePesca	Fishery Profile (in Spanish) Fishery obstacles to sustainability (in Spanish)
		Gap analysis was conducted by CeDePesca, delivered to PROMARINA and is publicly available	July 2013	CeDePesca PROMARINA	Gap Analysis
	Fisheries improvement recommendations publicly available	The first FIP public report is published with improvement recommendations	January 2011	CeDePesca	FIP Public Report
FIP is formed (Stage 2)	Stakeholders are organized	CeDePesca continuously strengthened relationships with the industry, especially with the Panamanian Seafood Exports Association (APPEXMAR), artisanal fishermen associations, and other stakeholders	2010 - 2012	CeDePesca	
		CeDePesca held several meetings with PROMARINA as a response to a request from the company to discuss an effort limitation rule being drafted at the fisheries agency, and ways to address demands from companies like Cargill regarding scores in FishSource	Throughout 2010	CeDePesca PROMARINA	
		Meetings with other fishery stakeholders such as Conservation International, Mar Viva, WWF, and researchers from the University of Panama	2010 - 2012	CeDePesca	
		Framework Collaboration Agreement and Specific Agreement #1 signed between CeDePesca and PROMARINA	February 2012	PROMARINA CeDePesca	MOU
		Framework Collaboration Agreement signed between the University of Panama and CeDePesca	July 2013	University of Panama CeDePesca	

FIP is formed (Stage 2) (CONTINUED)	Stakeholders are organized (CONTINUED)	Specific Agreement #2 signed for the continued implementation of the FIP workplan	August 2013	PROMARINA CeDePesca	
		Panamanian General Audit Office approves MOU between CeDePesca and the University of Panama	October 2013	Panamanian General Audit Office	Framework Collaboration Agreement
		Specific Agreement #3 signed in order to conduct the first stock assessment for the fishery and to improve the observers program	February 2015	PROMARINA CeDePesca	
		Specific Agreement #4 editing a clause in Specific Agreement #3	May 2015	PROMARINA CeDePesca	
		Specific Agreement #5 signed in order to conduct a second stock assessment for the fishery and to give continuance to the observers program in 2016 and 2017.	March 2016	PROMARINA CeDePesca	
		Promarina and CeDePesca have welcomed Procesadora Bayano to the FIP.	April 2017	PROMARINA PROBASA CeDePesca	Addendum to the Framework Collaboration Agreement (in Spanish)
		Meeting with the General Administrator of the ARAP	June 2018	PROMARINA PROBASA CeDePesca	Short report
		Specific Agreement #7 signed in order to conduct a quarter stock assessment for the fishery and to give continuance to the observers program in 2019.	February 2019	PROMARINA PROBASA CeDePesca	
FIP is encouraging improvements (Stage 3)	Workplans with annual improvement milestones are publicly available	Workplans approved by FIP partners	March 2013	CeDePesca PROMARINA	Initial workplan
			January 2016	CeDePesca PROMARINA	Workplan 2016
			April 2017	CeDePesca PROMARINA PROBASA	Workplan 2017-2018 (in Spanish)
			February 2019	CeDePesca PROMARINA PROBASA	Workplan 2018-2019
	FIP is achieving agreed annual improvement milestones	A catch and effort database for the period 1996/2012 is available.	November 2012	PROMARINA ARAP CeDePesca	Database available at stakeholders' request.
		A preliminary stock assessment was presented to PROMARINA	April 2013	CeDePesca	PPT available at request.

<p>FIP is encouraging improvements (Stage 3)</p> <p>CONTINUED</p>	<p>First national workshop on fisheries research identified key research needs.</p>	<p>April 2013</p>	<p>ARAP, UP, UMIP, STRI, PROMARINA, Panalang, CeDePesca, CONAPAS</p>	<p>Workshop report available on request</p>
	<p>Onboard Observers Program up and running</p>	<p>May 2013</p>	<p>PROMARINA CeDePesca</p>	<p>Undercurrent News</p>
	<p>Onboard Observer Program database updated and reviewed.</p>	<p>October-December 2013</p>	<p>CeDePesca</p>	<p>Data base available to stakeholders on request</p>
	<p>ERAEF Workshop ERAEF at the University of Panama. Thrity-six stakeholders participated.</p>	<p>January-February 2014</p>	<p>University of Panama PROMARINA CeDePesca</p>	
	<p>CeDePesca trained a new observer.</p>	<p>March 2014</p>	<p>CeDePesca</p>	
	<p>Meetings pre season between observers, skippers and CeDePesca</p>	<p>April 2014</p>	<p>CeDePesca PROMARINA</p>	
	<p>The onboard observers database is updated</p>	<p>Jun 2014</p>	<p>CeDePesca</p>	<p>Database available to stakeholders on request</p>
	<p>The catch-effort database and the biological database are updated</p>	<p>August 2014</p>	<p>CeDePesca PROMARINA</p>	<p>Database available to stakeholders on request</p>
	<p>A student of the Panama Maritime University began his professional practice as onboard observer</p>	<p>September 2014</p>	<p>PROMARINA UMIP CeDePesca</p>	
	<p>Catch and effort database and bycatch database are updated</p>	<p>December 2014</p>	<p>CeDePesca PROMARINA</p>	<p>Database available to stakeholders on request</p>
	<p>The biological database was updated.</p>	<p>January 2015</p>	<p>CeDePesca</p>	<p>Database available to stakeholders on request</p>
	<p>First formal stock assessment and recommendations for a management delivered.</p>	<p>March 2015</p>	<p>CeDePesca PROMARINA ARAP</p>	<p>Stock assessment and recommendations</p>
	<p>The data collection methodology for the Onboard Observers Program is improved</p>	<p>June 2015</p>	<p>CeDePesca</p>	
	<p>A draft management plan has been put together</p>	<p>September 2015</p>	<p>PROMARINA CeDePesca</p>	<p>Available on request</p>
	<p>Catch and effort database is updated</p>	<p>November 2015</p>	<p>CeDePesca</p>	<p>Database available to stakeholders on request</p>
	<p>Biological and bycatch databases are updated</p>	<p>December 2015</p>	<p>CeDePesca</p>	<p>Database available to stakeholders on request</p>
	<p>Second formal stock assessment is completed in March, and is available to the public as of July 2016</p>	<p>March 2016</p>	<p>CeDePesca PROMARINA</p>	<p>Stock assessment (in Spanish) Stock assessment (in English)</p>

FIP is encouraging improvements (Stage 3) CONTINUED	FIP is achieving agreed annual improvement milestones CONTINUED	As a direct result from this FIP, the Government of Panama updates the fishery's regulations.	March 2016	ARAP	Executive Decree N° 107-2016
		Catch and effort database is updated	August 2016	CeDePesca	Database available to stakeholders on request
		Biological and bycatch databases are updated	September 2016	CeDePesca	Database available to stakeholders on request
		Catch and effort database and biological database are updated	December 2016	CeDePesca	Database available to stakeholders on request
		A report on bycatch according to the data from the Onboard Observers Program has been prepared.	January 2017	CeDePesca	Bycatch Report (in Spanish)
		An hydroacoustic survey in the Gulf of Panama was conducted by FIP partners	February 2017	PROMARINA CeDePesca	
		A third biologist has been trained as onboard observer for the Program	May 2017	CeDePesca	Picture
		Catch and effort database, biological database and bycatch database updated	June 2017	CeDePesca	Database available to stakeholders on request
		An onboard observer was trained for the PROBASA fleet	July 2017	CeDePesca	
		The Onboard Observers Program database was shared with ARAP	August 2017	PROMARINA CeDePesca ARAP	
		The catch and effort database and the size structure database were updated	November 2017	CeDePesca	Database available to stakeholders on request
		ARAP requested to participate from the drafting process of the FIP Action Plan for 2018	December 2017	ARAP CeDePesca	

<p>FIP is encouraging improvements (Stage 3)</p> <p>CONTINUED</p>	<p>FIP is achieving agreed annual improvement milestones</p> <p>CONTINUED</p>				
		<p>The catch and effort database, the size structure database and the database on bycatch of sharks and turtles were updated.</p>	<p>January 2018</p>	<p>ARAP CeDePesca</p>	<p>Database available to stakeholders on request</p>
		<p>A hydroacoustic prospecting of small pelagic species was carried out in the Gulf of Panama conducted by FIP partners.</p>	<p>March 2018</p>	<p>PROMARINA PROBASA ARAP CeDePesca</p>	<p>Adjunto informe de la prospección</p>
		<p>A training workshop was held for on-board observers.</p>	<p>April 2018</p>	<p>CeDePesca</p>	<p>Picture</p>
		<p>The Fishing Season 2018 began according to Resolution DGOMI N ° 024 of April 10, 2018.</p>	<p>April 2018</p>	<p>ARAP</p>	<p>Resolution DGOMI N ° 024 of April 10, 2018.</p>
	<p>FIP is achieving agreed annual improvement milestones</p> <p>CONTINUED</p>	<p>The Maximum Allowable Catch (CMA) was estimated for the 2018</p>	<p>May 2018</p>	<p>CeDePesca PROMARINA PROBASA</p>	<p>The Maximum Allowable Catch (CMA), Season 2018 (Spanish)</p>
		<p>A draft of the text of the TdR was drawn up to hire an expert in the assessment of small pelagic stocks.</p>	<p>September 2018</p>	<p>CeDePesca</p>	<p>The document is under review by ARAP, PROMARINA and PROBASA (Confidential)</p>
		<p>Catch and effort database, biological database and bycatch database update</p>	<p>December 2018</p>	<p>CeDePesca</p>	<p>Database available to stakeholders on request</p>
		<p>Catch and effort database, the size structure database and the database on bycatch of sharks and turtles were updated.</p>	<p>January 2019</p>	<p>CeDePesca</p>	<p>Database available to stakeholders on request</p>
		<p>Workshop with the fishing captains of Promarina and Probasa on the measures of the management plan of the fishery and on measures to reduce the mortality of turtles, sharks and rays.</p>	<p>January 2019</p>	<p>Promarina, Probasa and CeDePesca</p>	<p>Picture</p>
		<p>A hydroacoustic prospecting of small pelagic species was carried out in the Gulf of Panama conducted by FIP partners.</p>	<p>February 2019</p>	<p>PROMARINA PROBASA ARAP CeDePesca</p>	<p>Hydroacoustic survey Report</p>
		<p>CeDePesca coordinated a Workshop on the Estimation and Recommendation of the Maximum Allowable Capture for technicians of the Water</p>	<p>April 2019</p>	<p>PROMARINA PROBASA ARAP CeDePesca</p>	

<p>FIP is encouraging improvements (Stage 3)</p> <p>CONTINUED</p>	Resources Authority of Panama (ARAP) and collaborators of the FIP Partners Promarina and Probasa.				
	The Fishing Season 2019 began according to Resolution DGOMI N ° 025 of April 02, 2019.	April 2019	ARAP	Resolution DGOMI No.025	
	Three observers were trained on board theoretically and in the field.	May 2019	CeDePesca		
	As a catch control, the weekly average of the Catch per Effort Unit (CPUE) was estimated.	May and June 2019	ARAP and CeDePesca		
	CeDePesca moderates the second workshop on the calculation of the CMA to the ARAP researchers and collaborators of the FIP Partners Promarina and Probasa, at the request of the institution.	June 2019	CeDePesca		
	FIP members are engaging regulators	Discussions held between PROMARINA and ARAP, and between CeDePesca and University of Panama in order to reinforce the FIP	February 2012	PROMARINA CeDePesca UP ARAP	U. of Panama activities Pages 238 239
		A joint research project was submitted to SENACYT, aiming at securing funds for monitoring and stock assessment purposes. However, the project was not selected by SENACYT, citing funding availability	May 2012	PROMARINA, CeDePesca, UP (Limnology Center), ARAP	Email SENACYT FID 2012
		The first formal stock assessment is conducted by CeDePesca and recommendations for a management plan were delivered to ARAP and PROMARINA	March 2015	CeDePesca PROMARINA ARAP	Stock assessment and recommendations
		Draft management plan presented to ARAP	September 2015	CeDePesca PROMARINA ARAP	Available on request
		Second stock assessment conducted by CeDePesca and recommendations for a management plan were improved and presented to ARAP and PROMARINA	March 2016	CeDePesca PROMARINA ARAP	Stock assessment (in Spanish) Stock assessment (in English)
	Updated proposal for a management plan is presented to ARAP	July 2016	PROMARINA CeDePesca ARAP	Available on request	
	ARAP provided comments to the FIP's proposal for a management plan	June 2017	ARAP	Confidential	

FIP is encouraging improvements (Stage 3) CONTINUED	FIP members are engaging regulators CONTINUED	Changes to the management plan proposal were discussed with authorities	August 2017	PROMARINA PROBASA CeDePesca ARAP	Confidential
		The Maximum Allowable Catch (CMA) was estimated for the 2018	May 2018	CeDePesca PROMARINA PROBASA	The Maximum Allowable Catch (CMA), Season 2018 (Spanish)
		Memorandum of Understanding (MoU) was signed	August 2018	ARAP PROMARINA PROBASA TABOQUILLA AnimalFeed CeDePesca	MoU
		RESOLUTION ADM / ARAP No. 027 of August 28, 2018 was signed and published in Official Gazette No. 28605-B of September 5, 2018. By means of which the Management Plan of the fishery of small pelagic,	August 2018	ARAP	RESOLUTION ADM / ARAP No. 027 of August 28, 2018
		The Fishing Season 2018 closes, according to Resolution DGOMI No. 048 of November 8, 2018, Official Gazette No. 28653.	November 2018	ARAP	Resolution DGOMI No. 048 of November 8, 2018, Official Gazette No. 28653.
		The Fishing Season 2019 began according to Resolution DGOMI N ° 025 of April 02, 2019.	April 2019	ARAP	Resolution DGOMI No.48
		FIP is delivering improvement in policies or practices (Stage 4)	Fishery practices changed	A catch and effort database for the period 1996/2012 is available.	November 2012
ARAP agreed to restart monitoring activities when the 2013 season opens in April. PROMARINA skippers are being trained on a new logbook and basic sampling protocols.	March-April 2013			ARAP PROMARINA CeDePesca	Logbook template available on request
First national workshop on fisheries research identified key research needs.	April 2013			ARAP, UP, UMIP, STRI, PROMARINA, Panalang, CeDePesca, CONAPAS	Workshop report available on request
Onboard Observer Program is successfully collecting data	May 2013 to date			PROMARINA CeDePesca	Undercurrent News
First formal stock assessment was performed and recommendations for a management plan were delivered.	March 2015			CeDePesca PROMARINA ARAP	Stock assessment and recommendations
PROMARINA commits itself to the adoption of the	May 2015			PROMARINA and CeDePesca	LoC

FIP is delivering improvement in policies or practices (Stage 4)	Fishery practices changed CONTINUED	management plan as self-regulating practice			
		Second formal stock assessment is completed, and its outcomes are presented to stakeholders and recommendations are presented to regulators.	March 2016	CeDePesca PROMARINA ARAP	Picture 1 Picture 2
		Second stock assessment available to the public	July 2016	CeDePesca	Stock assessment
		An hydroacoustic survey in the Gulf of Panama was conducted by Albor Tecnológico, hired by PROMARINA. The survey was conducted with collaboration from FIP partners.	February 2017	PROMARINA CeDePesca Albor Tecnológico	Hydroacoustic survey Report (in Spanish)
		A hydroacoustic prospecting of small pelagic species was carried out in the Gulf of Panama conducted by Albor Tecnológico, hired by PROMARINA and PROBASA. The survey was conducted with collaboration from FIP partners.	March 2018	PROMARINA PROBASA ALBOR TECNOLÓGICO ARAP CeDePesca	Report to be provided shortly
		The Maximum Allowable Catch (CMA)	May 2018	CeDePesca PROMARINA PROBASA	The Maximum Allowable Catch (CMA), Season 2018 (Spanish)
		A hydroacoustic prospecting of small pelagic species was carried out in the Gulf of Panama conducted by FIP partners.	February 2019	PROMARINA PROBASA ARAP CeDePesca	Hydroacoustic survey Report
	Fishery policies changed	The Government of Panama issues Decree N° 107 on March 29 th , effectively updating measures that were first set in 1977. This is a huge step forward for the fishery's sustainability and is considered an important FIP milestone.	March 2016	ARAP	Executive Decree N°107-2016