

Comisión Interamericana del Atún Tropical  
Inter-American Tropical Tuna Commission



# Stock assessment schedule and workplan (SAC-12-01)

**12<sup>a</sup> Reunión del Comité Científico Asesor - 10-14 de mayo de 2021 (por videoconferencia)**  
**12<sup>th</sup> Meeting of the Scientific Advisory Committee - 10-14 May 2021 (by videoconference)**

# Cronograma de evaluaciones – atunes tropicales

## Stock assessment schedule – tropical tuna



*New triennial assessment and management cycle (2022-2024)*

SPECIES	2021	2022	2023	2024
Tropical Tunas				
SKJ				
YFT				
BET				
Risk analysis				
MSE process				

# Cronograma de evaluaciones – atunes tropicales

## Stock assessment schedule – tropical tuna

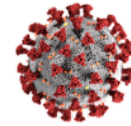
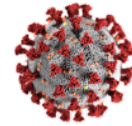


### *New triennial assessment and management cycle (2022-2024)*

SPECIES	2021	2022	2023	2024
Tropical Tunas				
SKJ	Review of assessment methods	Initial results of tagging analysis; External review	Exploratory assessment	Benchmark assessment
YFT		WS on longline data; WS on improving spatio-temporal methods for CPUE and L-F standardization (Project H.1.f)	Exploratory assessment; External review	Benchmark assessment
BET		WS on longline data; WS on improving spatio-temporal methods for CPUE and L-F standardization (Project H.1.f)	Exploratory assessment; External review	Benchmark assessment
Risk analysis	WS to improve metrics and scoring in risk analysis (Proposal H.1.g)			Risk analysis
MSE process	MSE WS, Tech. Work	MSE WS, Prelim. results	MSE WS, Results, Future Work	

# Cronograma de evaluaciones – atunes tropicales

## Stock assessment schedule – tropical tuna



CYCLE	2017	2018	2019	2020	2021	2022	2023	2024
Management			C-17-02			<i>New triennial assessment and management cycle (2022-2024)</i>		
Assessment	<i>2017-2019 Status quo</i>					<i>2022-2023 Status quo</i>		

# Cronograma de evaluaciones – colaboraciones

## Stock assessment schedule – collaborations



<b>SPECIES</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
<b>SPC and others</b>				
<b>South Pacific albacore (SPC)</b>	Benchmark assessment			
<b>Bigeye – Pacific wide (SPC)</b>		Exploratory assessment		
<b>South EPO swordfish (others)</b>		Benchmark assessment		
<b>ISC</b>				
<b>Pacific bluefin tuna (ISC)</b>	Projections	Update	Projections	Benchmark
<b>North Pacific albacore tuna (ISC)</b>			Benchmark assessment	
<b>North EPO swordfish (ISC)</b>		Benchmark assessment		
<b>South EPO swordfish</b>		Benchmark assessment		

# Cronograma del plan de trabajo para el atún barrilete: 2021-2024

## Timeline for skipjack tuna workplan: 2021-2024



<b>2021</b>	
Fall: Initiate development of the tagging analysis	Project H.3.a
Fall: Workshop on improving metrics and their scoring for the IATTC risk analysis	Unfunded project H.1.g
<b>2022</b>	
May: Present preliminary results of the tagging analysis at SAC	
Summer: Initiate development of the YPR analysis/stock assessment	Project H.3.b
Summer/Fall: External review of tagging analysis	
<b>2023</b>	
Tagging cruise	
May: Present Exploratory Assessment at SAC	
Conduct growth analysis	Project H.3.c
<b>2024</b>	
May: Present Benchmark Assessment at SAC	

# Cronograma del plan de trabajo para el atún aleta amarilla: 2021-2024

## Timeline for yellowfin tuna workplan: 2021-2024



<b>2021</b>	
CAPAM natural mortality workshop	
Longline work (pending data availability)	H.1.e (ext)
Workshop on improving metrics and their scoring for the IATTC risk analysis	H.1.g (unfunded)
<b>2022</b>	
Longline work (pending data availability)	H.1.e. (ext)
Preliminary spatial models	H.1.b phase 2
<b>2023</b>	
External review	T.1.b phase 2
Exploratory models	H.1.b phase 2
<b>2024</b>	
Benchmark yellowfin assessment	

# Cronograma del plan de trabajo para el atún patudo: 2021-2024

## Timeline for bigeye tuna workplan: 2021-2024



2021	
CAPAM natural mortality workshop	
Workshop on improving metrics and their scoring for the IATTC risk analysis	H.1.g (unfunded)
2022	
Longline work (depends on data submission)	H.1.e. (ext)
Pacific-wide exploratory assessment model	H.7.a (unfunded)
2023	
Preliminary assessment models	
External review	T.1.a phase 2
2024	
Benchmark stock assessment	





Preguntas - Questions

# Cronograma de proyectos en el plan de trabajo para el atún barrilete: 2021-2024

## Project timeline for skipjack tuna workplan: 2021-2024



SSP ref.	Target/Project	Timeframe & status			
		2021	2022	2023	2024
<b>1. ASSESSMENT RESEARCH</b>					
H.3.a	Analysis of recent skipjack tagging data	Blue	Blue	Yellow	Yellow
H.3.b	Skipjack YPR/Stock assessment		Yellow	Yellow	Yellow
H.3.c	Estimate skipjack growth rates from recent tagging data			Yellow	Yellow
J.2.a	Quantify the relationship between vessel operational characteristics and fishing mortality	Yellow	Yellow		
H.1.g	Workshop on improving metrics and their scoring for the IATTC risk analysis	Red			
T.1.c	External review of skipjack tagging analysis		Red		
<b>2. NEW DATA SOURCES</b>					
E.4.a	<a href="#">IATTC Regional Tuna Tagging Program (RTTP) - EPO</a>	Blue	Blue	Blue	
<b>3. INDICES OF ABUNDANCE</b>					
J.3.a	Developing alternative buoy-derived tuna biomass indexes	Yellow	Yellow		
<b>4. LIFE HISTORY DATA</b>					
E.5.a	Evaluate the Pacific-wide population structure of bigeye and skipjack tunas, using genetic analyses		Red		

# Cronograma de proyectos en el plan de trabajo para el atún aleta amarilla: 2021-2024

## Project timeline for yellowfin tuna workplan: 2021-2024



Projects included in the yellowfin tuna work plan, 2021-2024. **Green:** completed; **blue:** funded; **red:** unfunded; **pink:** partially funded (funded components completed, other components pending); **orange:** IATTC staff and/or collaborators. Text ~~struck-through~~ indicates completed or terminated projects.

SSP ref.	Target/Project	Timeframe & status			
		2021	2022	2023	2024
<b>1. MONITORING STOCK STATUS AND MANAGEMENT ADVICE</b>					
H.4.a	Conduct routine stock assessments of tropical tunas and indicators	Green	Orange	Orange	Orange
J.2.a	Quantification of the relationship between vessel operational characteristics and fishing mortality		Blue	Blue	Blue
<b>2. ASSESSMENT RESEARCH</b>					
H.1.b	Improve the yellowfin tuna stock assessment phase 2: Explore alternative hypotheses of stock structure and life-history for YFT in exploratory stock assessment models	Orange	Orange	Orange	Orange
X.1.c	CAPAM workshop on natural mortality	Blue			
H.1.g	Workshop on improving metrics and their scoring for the IATTC risk analysis	Red			
T.1.b	External review of yellowfin tuna assessment			Red	
<b>3. LIFE HISTORY DATA</b>					
E.2.a	Investigate spatiotemporal variability in the age, growth, maturity, and fecundity of yellowfin tuna in the EPO	Green	Orange		
E.3.a	Investigate geographic variation in the movements, behavior, and habitat utilization of yellowfin tuna in the EPO	Green			
<b>4. INDICES OF ABUNDANCE</b>					
H.1.e	Advance the understanding of the longline data of different fleets and potential indices of abundance		Red	Red	
H.1.f	Workshop on improving <del>spatio-temporal</del> methods for tuna CPUE and length composition standardization		Red		
<b>5. NEW DATA SOURCES</b>					
J.3.a	Developing alternative buoy-derived tuna biomass indexes	Orange	Orange		
E.4.a	<a href="#">Multi-year tuna tagging study</a>	Blue	Blue		



# Cronograma de proyectos en el plan de trabajo para el atún patudo: 2021-2024

## Project timeline for bigeye tuna workplan: 2021-2024



Projects included in the bigeye tuna work plan, 2021-2024. **Green**: completed; **blue**: funded; **red**: unfunded; **pink**: partially funded (funded components completed, other components pending); **orange**: IATTC staff and/or collaborators. Text ~~struck through~~ indicates completed

SSP ref.	Target/Project	Timeframe & status			
		2021	2022	2023	2024
<b>6. MONITORING STOCK STATUS AND MANAGEMENT ADVICE</b>					
H.4.a	Conduct routine stock assessments of tropical tunas and indicators	Green	Orange	Orange	Orange
J.2.a	Quantification of the relationship between vessel operational characteristics and fishing mortality		Blue	Blue	Blue
<b>7. ASSESSMENT RESEARCH</b>					
H.1.b	Improve the bigeye tuna stock assessment	Orange	Orange	Orange	Orange
H.1.g	Workshop on improving metrics and their scoring for the IATTC risk analysis	Red			
H.7.a	Pacific-wide exploratory assessment for bigeye tuna	Orange	Orange		
T.1.a	External review of bigeye tuna stock assessment			Red	
X.1.c	CAPAM workshop on natural mortality	Blue			
<b>8. INDICES OF ABUDANCE</b>					
H.1.e	Advance the understanding of the longline data of different fleets and potential indices of abundance		Red	Red	
H.1.f	Workshop on improving <del>spatio-temporal</del> methods for tuna CPUE and length composition standardization		Red		
J.3.a	Developing alternative buoy-derived tuna biomass indices	Orange	Orange		