



## ANNEX 15

*24<sup>th</sup> Meeting of the  
International Scientific Committee for Tuna  
and Tuna-Like Species in the North Pacific Ocean  
Victoria, Canada  
June 19-24, 2024*

## REPORT OF THE STATWG WORKSHOP

**June 2024**

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*Annex 15***REPORT OF THE STATISTICS WORKING  
GROUP**

*International Scientific Committee for Tunas and Tuna-like  
Species in the North Pacific Ocean*

**1.0 Opening of Meeting**

The Statistics Working Group (STATWG) meeting was held June 17, 2024 prior to the 24th meeting of the ISC Plenary. The STATWG Chair, Jenny Suter, opened the meeting and welcomed participants from Canada, Chinese Taipei, Japan, USA, and WCPFC . In support of the STATWG, Kirara Nishikawa, continued to fulfill the roles of STATWG vice-chair and both the ISC Data Administrator (DA) and Webmaster (WM).

**2.0 Adoption of Agenda****2.1 Review and updates**

The adopted agenda and list of participants is attached as Appendix 2.

**3.0 ISC23 STATWG Recommendations and Updates****3.1 Data Storage of historical observer and effort data from high seas large-mesh and squid drift gillnet fisheries**

The chair reported the status of data storage of data from high seas large-mesh and squid drift gillnet fisheries. The chair and vice-chair met with S. Teo in March 2024 and the DA received these data from S. Teo (USA).

Data access will be provided to the WG members via the "Other" page in ISC WEB and will not be accessible outside of ISC. A WG member suggested that these data should be stored with metadata and the DA will include the metadata in the "Other" page as well.

**3.2 Non-disclosure agreement**

The DA summarized the status of data requests of the stock assessment data from the outside of ISC. The number of total requests in this year was 2, and these requests were made via email to the WG chair. A member asked about the data format of stock

assessment data, and it was noted that data for archive should be the models included in stock status and conservation information.

The STATWG developed both mechanisms to gather information from requesters and the metadata that would help requesters to identify the available data (ISC 2022). The working paper (Nishikawa et al., 2023) documents the response for this request.

### **3.3 ISC meeting schedule**

The plenary meeting in 2024 was scheduled earlier than past meetings to fit between other RFMO meeting obligations of the ISC members. Since the 2024 data submissions were all received in time, the DA had sufficient time to prepare the data products for the Plenary and requested that the meeting is scheduled for a similar time next year.

## **4.0 Data Submission Overview**

### **4.1 FY24 submission status**

The DA presented the status of the submissions of Category I total catch and effort by species and gear, II catch by gear, area, and month, and III size data by month and species, the metadata, and the stock assessment output files. The 2024 Data Report Card for Category I, II, and III data is shown in Table 1. Table 2 shows the breakdown of the data submissions by data category (I, II, III), country, and gear. Table 3 shows the breakdown of Category I catch, I effort, II, and III by country, year, and gear. The data were all submitted by June 1 this year and were registered on time with the exception of China, who did not contribute data.

The STATWG members requested that the DA distribute the annual catch (1c) table to National Data Correspondents for confirmation and explanation of the discrepancies before the end of Plenary meeting as authoritative catch figures will be included in the Plenary Report and posted on the ISC Website.

### **4.2 ISC WEB revision plan**

The DA reported that the ISC WEB was not able to properly send email with a summary of the data submission. The DA is working on resolving the issue and will keep the STATWG informed.

### **4.3 Stock assessment file archive**

The DA presented the status of submission of stock assessment files that are due to be submitted by November 1 each year (Table 4). These data files include input data file, control file, forecast file, starter file of Stock Synthesis, and related various model runs completed for each species assessment.

The STATWG members discussed the archiving ability of the ISC Web. Currently, stock assessment data input and output files are archived on the website for access by ISC members. One member suggested that we expand the archive to include Indicator Analyses data files. The DA updated Table 4 to include the type of stock assessment.

### **4.4 Website update**

One member suggested that we archive informal meeting notes on the website similar to the Working Group Meetings web page.

## **5.0 Metadata Report Review and Update**

The metadata report card is shown in Table 4. The DA reviewed the metadata submission by member countries. All submissions were received on time in 2024. The metadata are scheduled to be published on August 1, 2024.

## **6.0 Updated Annual Catch of Shortfin Mako (JPN)**

The STATWG decided that it is required to submit a data revision report to the STATWG when data revision is made, and the revision meets the specific condition (Anon. 2014). After July 1, 2023, Japan revised the catch in weight (mt) data “Category 1c” including catch for shortfin mako for 1994-2022 due to the update of benchmark stock assessment for shortfin mako (ISC, 2024).

## **7.0 Platforms to collaborate on editing code that includes ISC data inputs**

The STATWG discussed platforms for collaboration for sharing code and sharing data. A few of the species WG began using GitHub to organize work among members and promote reproducibility of results. The STATWG realizes that a longer discussion will happen during the Plenary meeting. The STATWG should be involved in further discussions and decisions of this topic.

## 8.0 Workplan

The STATWG members agreed there is an ongoing need for the STATWG to provide the functions of (1) maintaining the ISC database and the quality of data submitted by members; (2) maintaining the proper function of ISC website and the archiving of the stock assessment files; and (3) supporting internal data sharing and protocols for external data requests. Although these functions were mostly performed by the DA, the STATWG is responsible for overseeing these functions and providing recommendations to the ISC Plenary.

The STATWG members developed the following work plan for 2024-2025:

1. The DA will continue to distribute the ISC data inventory for Category I, II, and III to ISC Data Correspondents for review by September 30, 2024. The DA will then distribute the ISC data inventory to Chairs of the species WG by October 15, and publish on the ISC website by October 31, 2024.
2. The DA will continue to archive stock assessment files from all 2023-2024 ISC assessments, which are required to be submitted by Chairs of species WG by November 1, 2024.
3. After the Data Correspondents have reviewed and updated their metadata prior to the ISC22 Plenary, this metadata will be published on the ISC researcher's website by August 31, 2024. For 2023-2024, the DA will continue to distribute the WG member's new metadata by March 30, 2025. The Data Correspondents will review and update their new metadata by July 1, 2025 prior to the ISC25 Plenary, and this new metadata will be published on the ISC researcher's website by August 31, 2025.
4. The DA and the Chair of the STATWG will annually review the responsibilities, duties and deliverables of the DA to ensure that they are accurate and practical, and revise them as necessary.
5. The STATWG Steering Group will hold an intersessional meeting or conference call/webinar January 2025, if needed.

## **9.0 Recommendations to the Plenary**

1. The STATWG would like to know from the other ISC WGs where the STATWG could help.
2. The STATWG recommends that Species WG chairs review the species pages and update information, if necessary, to improve the utility and information content.
3. It is recommended there is an ongoing need for the STATWG with functions of:
  - (1) Maintaining the ISC database and the quality of data submitted by members
  - (2) Maintaining the proper function of ISC website
  - (3) Supporting internal data sharing and external requests for sharing ISC data.

## **7.0 Administrative Matters**

The Chair noted that the next STATWG meeting is planned to be held prior to ISC25 plenary for one half of a day at a time and place to be determined.

### **7.1 Update of Organization Chart**

The organization chart of the STATWG (Appendix 1 ) was reviewed and updated.

**Table 1: Data Report Card for Category I, II, III**

<b>Data submission status in 2024</b>				
<b>Member</b>	<b>CAT Ic</b>	<b>CAT Ie</b>	<b>CAT II</b>	<b>CAT III</b>
<b>CAN</b>				
<b>CHN</b>				
<b>JPN</b>				
<b>KOR</b>				
<b>MEX</b>				
<b>TWN</b>				
<b>USA</b>				



On Time

Not Provided

TWN is Chinese Taipei, USA is United States of America



**Table 2.** Status of 2024 ISC data submission by data category, country and gear.

Submitted in 2024( by 2024/06/17)														
Country	Category	Gear												
		FPN	GN	GND	HAR	LH	LLD	LP	LTR	LX	MIS	NK	PS	RG
CAN	1c													
	1e													
	2													
	3													
CHN	1c													
	1e													
	2													
	3													
JPN	1c													
	1e													
	2													
	3													
KOR	1c													
	1e													
	2													
	3													
MEX	1c													
	1e													
	2													
	3													
TWN	1c													
	1e													
	2													
	3													
USA	1c													
	1e													
	2													
	3													

## ISC Gear Codes\*

Code	Gear	Name	LX	Hook-and-line	Hooks and lines (not specified)
FPN	Set-net	Stationary uncovered pound nets	MIS	Other gears	Miscellaneous gear
GND	Gill-net	Driftnets	NK	Not specified	Gear not known or not specified
GN	Gill-net	Unspecified Gill-net	PS	Purse-seine	Supporting nets with purse lines (purse-seine)
HAR	Harpoon	Harpoons	RG	Sport	Recreational fishing gears
LH**	Handline	Handline gear	TX	Trawl	Trawl (not specified)
LLD	Longline	Drifting longlines			
LP**	Pole-and-line	Pole-and-line			
LTR	Troll	Trolling lines			

\* FAO 1999. Definition and classification of fishing gear categories. FAO Fish. Tec. Pap. 222 Rev.1.

\*\* IATTC code.

**Table 3.** Status of submission of 2021-2023 data, by data category (1c,1e, 2, 3), country and gear.

Year	Country	Category	Gear																
			FPN	GN	GND	HAR	LH	LLD	LP	LTR	LX	MIS	NK	PS	RG	TX			
21	CAN	1c																	
22	CAN	1c																	
23	CAN	1c																	
21	CHN	1c																	
22	CHN	1c																	
23	CHN	1c																	
21	JPN	1c	☒		☒				☒	☒	☒		☒	☒	☒				
22	JPN	1c	☒		☒				☒	☒	☒		☒	☒	☒				
23	JPN	1c	☒		☒				☒	☒	☒		☒	☒	☒				
21	KOR	1c	☒						☒								☒		☒
22	KOR	1c	☒						☒								☒		☒
23	KOR	1c	☒						☒								☒		☒
21	MEX	1c																☒	
22	MEX	1c																☒	
23	MEX	1c											☒					☒	
21	TWN	1c	☒	☒			☒		☒				☒				☒		
22	TWN	1c	☒	☒			☒		☒				☒				☒		
23	TWN	1c	☒	☒			☒		☒				☒				☒		
21	USA	1c				☒	☒	☒	☒			☒	☒	☒			☒		☒
22	USA	1c				☒	☒	☒	☒			☒	☒	☒			☒		☒
23	USA	1c				☒	☒	☒	☒			☒	☒	☒			☒		☒

Table 3. Category 1e continued.

Year	Country	Category	Gear														
			FPN	GN	GND	HAR	LH	LLD	LP	LTR	LX	MIS	NK	PS	RG	TX	
21	CAN	1e															
22	CAN	1e															
23	CAN	1e															
21	CHN	1e															
22	CHN	1e															
23	CHN	1e															
21	JPN	1e															
22	JPN	1e															
23	JPN	1e															
21	KOR	1e															
22	KOR	1e															
23	KOR	1e															
21	MEX	1e															
22	MEX	1e															
23	MEX	1e															
21	TWN	1e															
22	TWN	1e															
23	TWN	1e															
21	USA	1e															
22	USA	1e															
23	USA	1e															

**Table 3.** Category 2.

Year	Country	Category	Gear													
			FPN	GN	GND	HAR	LH	LLD	LP	LTR	LX	MIS	NK	PS	RG	TX
2021	CAN	2														
2022	CAN	2														
2023	CAN	2														
2021	CHN	2														
2022	CHN	2														
2023	CHN	2														
2021	JPN	2														
2022	JPN	2														
2023	JPN	2														
2021	KOR	2														
2022	KOR	2														
2023	KOR	2														
2021	MEX	2														
2022	MEX	2														
2023	MEX	2														
2021	TWN	2														
2022	TWN	2														
2023	TWN	2														
2021	USA	2														
2022	USA	2														
2023	USA	2														

**Table 3.** Category 3.

Year	Country	Category	Gear														
			FPN	GN	GND	HAR	LH	LLD	LP	LTR	LX	MIS	NK	PS	RG	TX	
2021	CAN	3															
2022	CAN	3															
2023	CAN	3															
2021	CHN	3															
2022	CHN	3															
2023	CHN	3															
2021	JPN	3															
2022	JPN	3															
2023	JPN	3															
2021	KOR	3															
2022	KOR	3															
2023	KOR	3															
2021	MEX	3															
2022	MEX	3															
2023	MEX	3															
2021	TWN	3															
2022	TWN	3															
2023	TWN	3															
2021	USA	3															
2022	USA	3															
2023	USA	3															

**Table 4:** The data submission status of stock assessment files by the ISC species Working Groups from 2020 to 2024.

	ALB WG	BILL WG			PBF WG	SHARK WG	
	ALB	SWO	MLS	BUM	PBF	BSH	SMA
2020						Sensitivity	
2021							Indicator
2022							
2023							
2024							
	Stock assessment was done, and stock assessment files will be submitted by November 2024.						
	Stock assessment was done, and stock assessment files were submitted.						

## Appendix 1

### STATWG Organization Chart

<b>Name</b>	<b>Country</b>	<b>Email</b>
Jenny Suter (chair)	USA	jenny.suter@noaa.gov
Kirara Nishikawa (vice-chair)	JPN	nishikawa_kirara68@fra.go.jp
Sarah Hawkshaw (ALBWG)	CAN	Sarah.Hawkshaw@dfo-mpo.gc.ca
Keisuke Sato	JPN	sato_keisuke31@fra.go.jp
Shuya Nakatsuka (PBFWG)	JPN	nakatsuka_shuya49@fra.go.jp
Hiromu Fukuda (PBFWG)	JPN	fukuda_hiromu57@fra.go.jp
Michael Kinney (SHARKWG)	USA	michael.kinney@noaa.gov
Youjung Kwon	KOR	kwonuj@korea.kr
Michel Dreyfus	MEX	dreyfus@cicese.mx
Weijen Wang	TWN	weijen@ofdc.org.tw
Michelle Sculley (BILLWG)	USA	michelle.sculley@noaa.gov
Yuhong Gu	USA	yuhong.gu@noaa.gov
Sung-Kwon Soh	WCPFC	sungkwon.soh@wcpfc.int

**Appendix 2**  
**STATWG 2024 Meeting Agenda**

**TWENTY-FOURTH MEETING OF THE INTERNATIONAL SCIENTIFIC  
COMMITTEE ON TUNA AND TUNA-LIKE SPECIES IN THE NORTH PACIFIC OCEAN**

**STATISTICS WORKING GROUP**

June 17, 2024  
Coast Victoria Hotel, Victoria, BC

Document Distribution Site: <https://sites.google.com/view/isc24/home>

DRAFT AGENDA

10:30	<b>1. Opening</b> 1.1. Roll call and introduction 1.2. Orientation and announcements	Jenny
9:30	<b>2. Adoption of Agenda</b> 2.1. Review and updates	Jenny
9:45	<b>3. ISC23 STATS WG Recommendations and Updates</b> 3.1. Data Storage of historical observer and effort data from high seas large-mesh and squid drift gillnet fisheries 3.2. Non-disclosure agreement 3.3. ISC meeting schedule	Jenny/ Kirara
	<b>4. Data Submission Overview</b> 4.1. FY24 submissions 4.2. ISC WEB revision plan 4.3. Stock assessment file archive 4.4. Website	Kirara
	<b>5. Metadata Report Review and Update</b>	Kirara
	<b>6. Updated Annual Catch of Shortfin Mako (JPN)</b>	Kai
	<b>7. Platforms to collaborate on editing code that includes ISC data inputs</b>	Sarah
	<b>8. Wrap up and recommendations for the Plenary</b>	

**Attendees:**

<b>Name</b>	<b>Country</b>	<b>Email</b>	<b>Attendance</b>
Jenny Suter (chair)	USA	jenny.suter@noaa.gov	x
Kirara Nishikawa (co-chair)	JPN	nishikawa_kirara68@fra.go.jp	x
Sarah Hawkshaw (ALBWG)	CAN	Sarah.Hawkshaw@dfp-mpo.gc.ca	x
Keisuke Sato	JPN	sato_keisuke31@fra.go.jp	x
Hidetada Kiyofuji	JPN	kiyofuji_hidetada20@fra.go.jp	x
Shuya Nakatsuka (PBFWG)	JPN	nakatsuka_shuya49@fra.go.jp	x
Hiromu Fukuda (PBFWG)	JPN	fukuda_hiromu57@fra.go.jp	x
Mikihiko Kai (SHARKWG)	JPN	kai_mikihiko61@fra.go.jp	x
Youjung Kwon	KOR	kwonuj@korea.kr	
Martha Betancourt	MEX	martha.betancourt@uabc.edu.mx	x
Ren-Fen Wu	TWN	fan@ofdc.org.tw	x
Weijen Wang	TWN	weijen@ofdc.org.tw	x
Michelle Sculley (BILLWG)	USA	michelle.sculley@noaa.gov	
Yuhong Gu	USA	yuhong.gu@noaa.gov	x
Sung-Kwon Soh	WCPFC	sungkwon.soh@wcpfc.int	x