



ANNEX 14

*21st Meeting of the
International Scientific Committee for Tuna
and Tuna-Like Species in the North Pacific Ocean
Held Virtually
July 12-19, 2021*

REPORT OF THE STATWG WORKSHOP

July 2021

Left Blank for Printing

*Annex 14***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 July 6 and 7, 2021 via teleconference prior to the 21st meeting of the ISC Plenary. The STATWG Vice Chair, Sung Il Lee opened the meeting and welcomed participants from Canada, Chinese Taipei, Japan, Korea, USA, and the WCPFC (Attachment 1). In support of the STATWG, Kirara Nishikawa continued to fulfill the roles of both the ISC Data Administrator (DA) and ISC Webmaster.

The agenda for the STATWG intersessional meeting was considered and adopted (Attachment 2). A data revision working paper from Japan for 2021 was reviewed at the meeting (Attachment 3).

The STATWG also held an election for Chair. Felipe Carvalho of the United States of America was nominated to serve as Chair and was elected by the STATWG to serve a 3-year term.

20 Review of the STATWG Work**21 Status of the STATWG Work Plan**

The DA reviewed the STATWG work plan for 2020-2021 adopted at ISC20 (Attachment 4) and commented on the status of each item. It was reported that six of the ten items of the work plan were completed in the past year. The uncompleted four items include:

1. The DA and Chair of the STATWG will develop error-checking protocols to be used to post-data submission by Data Correspondents to confirm the quality of the data in the database. This protocol will be reviewed by the STATWG at ISC21.
2. The STATWG will pursue harmonizing the ISC data submission formats with those used by the WCPFC and the IATTC.
3. The STATWG Steering Group will hold an intersessional meeting or conference call/webinar January 2022 to conduct work to complete this work plan.
4. The STATWG Chair, Vice-Chair and other interested parties will continue to develop a Non-Disclosure Agreement (NDA) for data sharing requests. This NDA will incorporate comments from ISC20 and will be reviewed at the next STATWG meeting. A standard operating protocol will be developed to handle data sharing

requests, which will include ISC point of contact information.

2.2 Report on ISC Data Systems

The DA provided a report on the status of the ISC data systems as of July 2021. The DA noted that the old server was turned off at the end of February 2021. The DA described the new “Data share space” designed for the WGs to share files during their work processes (Figure 1). The “Data share space” has different entrance from ISC WEB, but they are on the same server. The DA manages all users (WG chairs, national data correspondents, WG data managers) in ISC WEB, and each WG chair manages own data share space for each WG members.

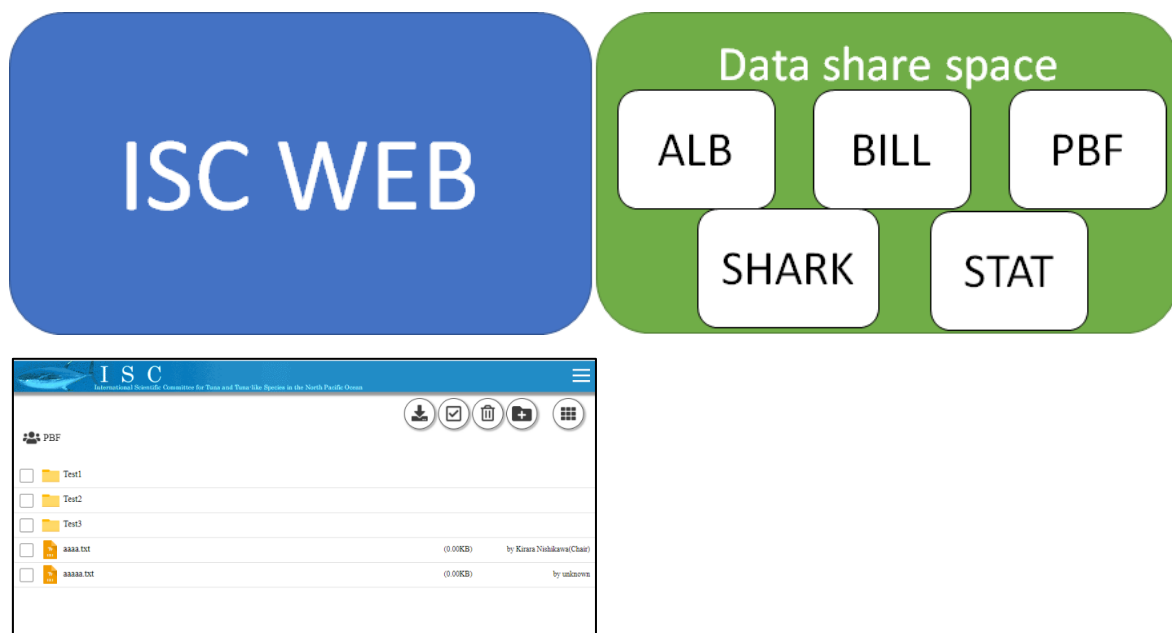


Figure 1. Schematic diagram of ISC “Data share space” and ISC WEB. Example of the “Data share space”.

2.3 Report on ISC Website

The Webmaster provided a report on the status of the ISC website as of July 2020. The Webmaster noted that there were two major improvements to the ISC website. These were:

- (1) Regular information updates. The website now incorporates regular updates to information on the ISC meeting schedule, news, and WG papers (Figure 2).

The screenshot displays the ISC website interface as of July 2021. At the top, the Plenary meeting structure is outlined, listing the Chair (John Holmes) and Vice-Chair (Shui-Kai Chang), along with the DA/Webmaster (S.K. Nishikawa) and various working groups (ALBWG, BILLWG, PBFWG, SHARKWG, STATWG) with their respective members. A 'Reports and Papers' table shows the status of reports for each working group from 2010 to 2021. Below this, the 'ISC Schedule of Future Meetings for 2021' is presented in a table with columns for Date, Meeting, and Contact.

Date	Meeting	Contact
6-7 July (PST)	STATWG - webinar	S. I. Lee k.sungillae_at_korea.kr
12-15, 19 July (PST)	ISC21 - webinar (Plenary meeting)	J. Holmes John.Holmes_at_dfo-mpo.gc.ca

Figure 2. Regular updates to the ISC website as of July 2021.

- (2) Updated fishery statistics. The updated ISC fishery statistics include graphs of historical catches by country and gear along with an update of the ISC public domain data and the publication of ISC data inventory (Figure 3).

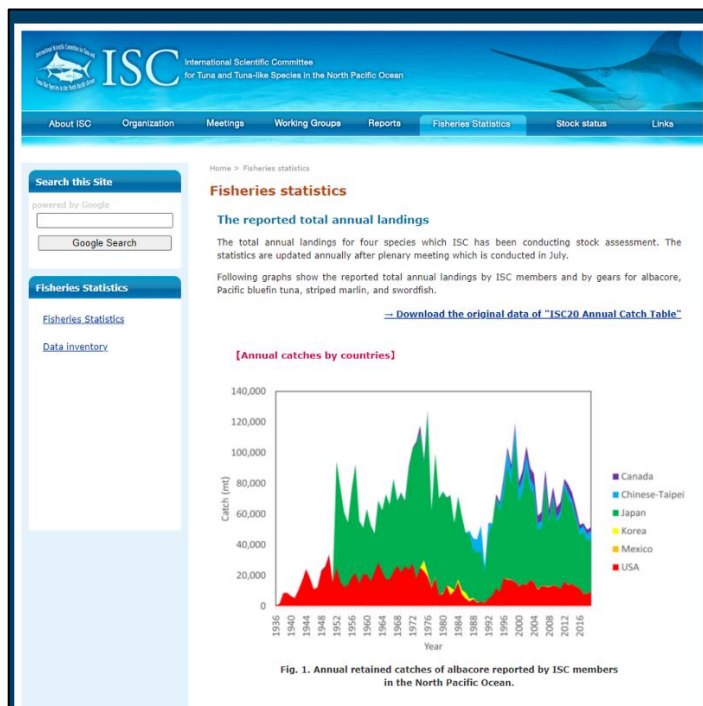


Figure 3. Updated ISC fishery statistics available on the ISC website.

3.0 Review of ISC Members Statistics

3.1 Data Submission Condition

The DA reviewed 2020 data submissions for Category Ic, Ie, II, and III, by member country and by gear. Data submissions are due by June 1 annually, followed by metadata updates and submissions on July 1 annually. As in previous years, China did not submit data to the ISC but its data can be obtained from the Inter-American Tropical Tuna Commission (IATTC) and the Western and Central Pacific Fisheries Commission (WCPFC). All other Member countries submitted their data by June 30, 2021 (Tables 1, 2, and 3).

Table 1. Report card of 2020 ISC data submission by data category (CAT) and by country (CAN is Canada, CHN is China, JPN is Japan, KOR is Korea, MEX is Mexico, TWN is Chinese Taipei, USA is United States of America).

Member	CAT Ic	CAT Ie	CAT II	CAT III
CAN				
CHN				
JPN				
KOR				
MEX				
TWN				
USA				

	On Time and Complete
	Not Provided

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 2. Status of 2020 ISC data submission by data category, country and gear. During the STATWG review of this table, some discrepancies were identified. These discrepancies will be corrected by the end of ISC21 Plenary prior to publication of this report on the ISC website.

Submitted in 2021(by 2021/07/09)														
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						★		★				★	★

Table 3. Status of submission of 2018-2020 data, by data category, country and gear. During discussion of this table at the STATWG meeting, some discrepancies were identified for correction by the end of ISC21 Plenary and prior to publication of this report on the ISC website.

Year	Country	Category	Gear													
			FPN	GN	GND	HAR	LH	LLD	LP	LTR	LX	MIS	NK	PS	RG	TX
2018	CAN	1c									★					
2019	CAN	1c									★					
2020	CAN	1c									★					
2018	CHN	1c														
2019	CHN	1c														
2020	CHN	1c														
2018	JPN	1c	★		★				★	★	★		★	★	★	
2019	JPN	1c	★		★				★	★	★		★	★	★	
2020	JPN	1c	★		★				★	★	★		★	★	★	
2018	KOR	1c	★						★					★		★
2019	KOR	1c	★						★					★		★
2020	KOR	1c	★						★					★		★
2018	MEX	1c												★		
2019	MEX	1c												★		
2020	MEX	1c												★		
2018	TWN	1c	★	★		★			★				★		★	
2019	TWN	1c	★	★		★			★				★		★	
2020	TWN	1c	★	★		★			★				★		★	
2018	USA	1c			★	★	★	★		★	★	★		★	★	
2019	USA	1c			★	★	★	★		★	★	★		★	★	
2020	USA	1c			★	★	★	★		★	★	★		★	★	

Table 3. Continued.

Year	Country	Category	Gear													
			FPN	GN	GND	HAR	LH	LLD	LP	LTR	LX	MIS	NK	PS	RG	TX
2018	CAN	2									★					
2019	CAN	2									★					
2020	CAN	2									★					
2018	CHN	2														
2019	CHN	2														
2020	CHN	2														
2018	JPN	2							★	★				★		
2019	JPN	2							★	★				★		
2020	JPN	2							★	★				★		
2018	KOR	2							★					★		
2019	KOR	2							*							
2020	KOR	2							*					*		
2018	MEX	2												★		
2019	MEX	2												★		
2020	MEX	2												★		
2018	TWN	2							★					★		
2019	TWN	2							★					★		
2020	TWN	2							★					★		
2018	USA	2			★	★		★		★	★			★	★	
2019	USA	2				★		★		★	★			★	★	
2020	USA	2			★	★		★		★	★			★	★	

3.3 Total Catch Tables

The STATWG members requested that the DA distribute this table to National Data Correspondents for confirmation and explanation of the discrepancies before the end of ISC21 Plenary meeting as authoritative catch figures will be included in the ISC21 Plenary report.

3.4 Data Revision Report of Japan

After July 1, 2020, Japan revised the catch in weight (mt) data “Category 1c” of shortfin mako for 1994-2019 (ISC21/STATWG/WP-01). The revisions were conducted in association with the updates of annual CPUEs for longline fleets and proportions of the catch for shortfin mako shark to all sharks in the estimation of catches for other gears. The estimates of the annual catches were largely affected by the values of annual CPUEs and the proportion of the catches. The STATWG recommends that the ISC21 Plenary approve the data revisions submitted by Japan.

4.0 Review of Issues Relating to Species Working Groups

4.1 Archive of Stock Assessment Reports

The DA presented the status of submission of stock assessment files that are due to be submitted by November 1 each year (Figure 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.

Figure 4. The data submission status of stock assessment files by the ISC species Working Groups from 2017 to 2021.

	ALBWG	BILLWG			PBFWG	SHARKWG	
	ALB	SWO	MLS	BUM	PBF	BSH	SMA
2017							
2018							
2019							
2020						Sensitivity	
2021							Sensitivity
	Stock assessment was done, and stock assessment files will be submitted by November 2021.						
	Stock assessment was done, and stock assessment files were submitted.						

4.2 Draft Non-Disclosure Agreement for Stock Assessment Data and Modeling Files

The STAWG Chair presented the draft NDA for confidential ISC stock assessment data and modeling files to the STATWG (Attachment 5). The Chair noted that the draft NDA was a template for a contract between the two parties that outlines confidential data that the parties wish to share for a specified scientific purpose but that the ISC wishes to restrict access to. The Chair emphasized that the template would need to be modified for specific applications. It was discussed who would be responsible for modifying the NDA for specific applications and the STATWG noted that this issue would need to be resolved to implement a standard protocol for sharing confidential data through an NDA. Overall, the STATWG agreed that the draft NDA represented a positive step forward towards developing a formal confidential data sharing protocol. It was also agreed by consensus of the STATWG members and species WG Chairs to forward the draft NDA to the ISC21 Plenary for review.

5.0 Other statistics and database issues

There was no discussion under this agenda.

6.0 Future Work Plan and Recommendations

6.1 Function of STATWG and Future Work Plan

The STATWG members agreed 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; and (3) internal data sharing and developing protocols for answering external data requests. Although these functions were partially performed by the DA, the STATWG is responsible for overseeing these functions and providing a link to the ISC Plenary as well as recommending appropriate actions when needed, with collective efforts by all members and chairs of all species WGs.

The STATWG members developed the following work plan for 2021-2022:

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, 2021. 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, 2021.

2. The DA will continue to archive stock assessment files from all 2020-2021 ISC assessments, which are required to be submitted by Chairs of species WG by November 1, 2021.
3. After the Data Correspondents have reviewed and updated their metadata prior to the ISC21 Plenary, this metadata will be published on the ISC researcher's website by August 31, 2021. For 2021-2022, the DA will continue to distribute the WG member's new metadata by March 30, 2022. The Data Correspondents will review and update their new metadata by July 1, 2022 prior to the ISC22 Plenary, and this new metadata will be published on the ISC researcher's website by August 31, 2022.
4. The DA will revise and update the User's Guide for Online Data Submission with the rules for using the data share space on the ISC collaborative research project database and research website. This revised information will be distributed to the Data Correspondents and WG Chairs by December 31, 2021. The DA will conduct training as necessary.
5. 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.
6. The DA and Chair of the STATWG will develop error-checking protocols to be used to post-data submission by Data Correspondents to confirm the quality of the data in the database. This protocol will be reviewed by the STATWG at ISC22.
7. The STATWG will pursue harmonizing the ISC data submission formats with those used by the WCPFC and the IATTC.
8. The STATWG Steering Group will hold an intersessional meeting or conference call/webinar January 2022 to conduct work to complete this work plan.
9. The STATWG Chair, Vice-Chair and other interested parties will continue to develop a NDA for data sharing requests. This NDA will incorporate comments from ISC21 and will be reviewed at the next STATWG meeting. A standard operating protocol will be developed to handle data sharing requests, which will include ISC point of contact information.

6.2 Recommendations to the Plenary

1. The STATWG recommends approval of the data revisions to Shortfin Mako Shark catches presented by Japan in 2021.
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. The STATWG recommends that the ISC21 Plenary will discuss the development of a standard protocol for sharing confidential stock assessment files with external parties and provide guidance to the STATWG on this matter. It is expected that this protocol would include a NDA and rules governing the process and use of shared files.
4. It is recommended that the STATWG hold a face-to-face meeting to complete its work for 2021-2022 and that this meeting will be scheduled for 1.5 days in advance of the ISC22 Plenary.
5. 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 developing protocols for external requests for sharing confidential ISC data.

7.0 Administrative Matters

7.1 Update of Organization Chart

The organization chart of the STATWG (Attachment 6) was reviewed and updated. The updates were:

- (1) Felipe Carvalho replaces Jon Brodziak as Chair
- (2) Sarah Hawkshaw replaces Zane Zhang for Canada

The Chair also noted that the next STATWG meeting is planned to be held prior to ISC22 plenary for one and a half days in July 2022, at a time and place to be determined.

8.0 Adjournment

The meeting of the ISC STATWG was adjourned at approximately 17:00 on July 7, 2021.

Attachment 1 List of Participants

Canada

Sarah Hawkshaw

Fisheries and Ocean Canada
9860 W Saanich Rd, Sidney, BC, Canada, V8L
4B2
Sarah.hawkshaw@dfo-mpo.gc.ca

Chinese-Taipei

Wei-Jen Wang

Overseas Fisheries Development Council
3F. No. 14, Wenzhou St. Da'an Dist., Taipei, 106
Taiwan
weijen@ofdc.org.tw

Japan

Koji Uosaki

Highly Migratory Resources Division, Fishery
Resources Institute, FRA
2-12-4 Fukuura, Kanazawa, Yokohama,
Kanagawa, 236-8648 Japan
uosaki@fra.affrc.go.jp

Mikihiko Kai

Highly Migratory Resources Division, Fishery
Resources Institute, FRA
5-7-1 Orido, Shimizu, Shizuoka, 424-8633 Japan
kaim@affrc.go.jp

Hiromu Fukuda

Highly Migratory Resources Division, Fishery
Resources Institute, FRA

Shuya Nakatsuka

Highly Migratory Resources Division, Fishery
Resources Institute, FRA
2-12-4 Fukuura, Kanazawa, Yokohama,
Kanagawa, 236-8648 Japan
snakatsuka@fra.affrc.go.jp

Hirota Ijima

Highly Migratory Resources Division, Fishery
Resources Institute, FRA
2-12-4 Fukuura, Kanazawa, Yokohama,
Kanagawa, 236-8648 Japan
ijima@affrc.go.jp

Kirara Nishikawa

Highly Migratory Resources Division, Fishery
Resources Institute, FRA

2-12-4 Fukuura, Kanazawa, Yokohama,
Kanagawa, 236-8648 Japan
fukudahiromu@affrc.go.jp

2-12-4 Fukuura, Kanazawa, Yokohama,
Kanagawa, 236-8648 Japan
kiraranishi@fra.affrc.go.jp

Republic of Korea

Sung Il Lee

National Institute of Fisheries Science
216 Gijanghaeanro, Gijang-Eup, Gijang-gun,
Busan 46083, Korea
k.sungillee@gmail.com

Mi Kyung Lee

National Institute of Fisheries Science
216 Gijanghaeanro, Gijang-Eup, Gijang-gun,
Busan 46083, Korea
ccmkleekorea@korea.kr

Jung-Hyun Lim

National Institute of Fisheries Science
216 Gijanghaeanro, Gijang-Eup, Gijang-gun,
Busan 46083, Korea
jhlim1@korea.kr

United States of America

Felipe Carvalho

NOAA NMFS PIFSC
1845 Wasp Boulevard, Bldg. #176 Honolulu,
Hawaii, 96818 USA
felipe.carvalho@noaa.gov

Russell Ito

NOAA NMFS PIFSC
1845 Wasp Boulevard, Bldg. #176
Honolulu, Hawaii, 96818 USA
Russell.Ito@noaa.gov

Yuhong Gu

NOAA NMFS SWFSC
8901 La Jolla Shores Dr, La Jolla, CA 92037
Yuhong.gu@noaa.gov

WCPFC

SungKwon Soh

WCPFC Secretariat
2356, Kolonia, Pohnpei, 96941, FSM
sungkwon.soh@wcpfc.int

Elaine Garvilles

WCPFC Secretariat
2356, Kolonia, Pohnpei, 96941, FSM
elaine.garvilles@wcpfc.int

ISC

John Holmes, ISC Chair

Fisheries and Oceans Canada

Pacific Biological Station, Nanaimo BC, V9T 6N7
Canada

john.holmes@dfo-mpo.gc.ca

Shui-Kai (Eric) Chang, ISC Vice Chair

Institute of Marine Affairs

National Sun Yat-sen University

70 Lienhai Road, Kaohsiung 80424, Taiwan

skchang@faculty.nsysu.edu.tw

Attachment 2

**INTERNATIONAL SCIENTIFIC COMMITTEE
FOR TUNA AND TUNA-LIKE SPECIES IN THE
NORTH PACIFIC**

**ISC STATISTICS WORKING
GROUP (STATWG)**

**INTERSESSIONAL MEETING
ANNOUNCEMENT AND AGENDA**

Meeting Dates: 6 and 7 July 2021, 14:00-17:00 Hawaii Standard Time

Goals: The ISC Statistics Working Group is holding an intersessional meeting to review progress on the 2020-2021 work plan and to set the work plan for 2021-2022.

STATWG AGENDA

1. Opening of meeting

- 1.1 Welcome
- 1.2 Adoption of agenda
- 1.3 Appointments of rapporteurs
- 1.4 Election of Chair (ISC Chair or ISC Vice-chair)
- 1.5 Meeting arrangement

2. Review of STATWG work

- 2.1 Status of STATWG work plan (STATWG Chair)
- 2.2 Report on ISC data systems (DA)
- 2.3 Report on ISC website components (Webmaster)

3. Review of ISC members' statistics

- 3.1 Data submission condition (reporting card)
- 3.2 Metadata and data collection system
- 3.3 Total catch table (by member and by species)

4. Review of issues relating to species Working Groups

- 4.1 Species Working Group needs
- 4.2 Archive of stock assessment files
- 4.3 Non-disclosure agreement for data sharing requests

5. Other statistics and database issues

6. Future work plan and recommendations

- 6.1 Function of STATWG and future work plan
- 6.2 Recommendations to the Plenary

7. Administrative matters

- 7.1 Update of organization chart for 2021-2022

8. Adjourn

Attachment 3

List of Working Papers

WORKING PAPERS

Uosaki, K., Kai, M. 2021. Data Revision of Japan as of 2021. Fisheries Resources Institute, Japan Fisheries Research and Education Agency, Yokohama, Japan, ISC21/STATWG/WP-1, 5 p.

Attachment 4

2019-2020 STATWG Work Plan Tasks

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, 2020. The DA will then distribute the ISC data inventory to Chairs of the species Working Groups by October 15, and publish on the ISC website by October 31, 2020.
2. The DA will continue to archive stock assessment files from all 2019-2020 ISC assessments, which are required to be submitted by Chairs of species Working Groups by November 1, 2020.
After the Data Correspondents have reviewed and updated their metadata prior to the ISC20 Plenary, this metadata will be published on the ISC researcher's website by August 31, 2020. For 2020-2021, the DA will continue to distribute Member's new metadata by March 30, 2021. The Data Correspondents will review and update their new metadata by July 1, 2021 prior to the ISC21 Plenary, and this new metadata will be published on the ISC researcher's website by August 31, 2021.
3. The DA will complete the transfer of the ISC database and will provide any recommended database modifications to the database contractor for the new server by December 2020. The closure of the old server will be completed by February 28, 2021.
4. Modifications to the ISC Data System in 2020-2021 will include the implementation of controlled access space for the WGs to share files during their work processes. The DA will revise and update the User's Guide for Online Data Submission with the rules for using the controlled access space on the new ISC collaborative research project database and research website. This revised information will be distributed to the Data Correspondents and Working Group Chairs by December 31, 2021. The DA will conduct training as necessary.
5. The DA and the Chair of 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.
6. The DA and Chair of the STATWG will develop error-checking protocols to be used to post-data submission by Data Correspondents to confirm the quality of the data in the database. This protocol will be reviewed by the STATWG at ISC21.
7. The STATWG will pursue harmonizing the ISC data submission formats with those used by the WCPFC and the IATTC.

8. The STATWG Steering Group will hold an intersessional meeting or conference call/webinar January 2021 to conduct work to complete this work plan.
9. The STATWG Chair, Vice-Chair and other interested parties will continue to develop a non-disclosure agreement for data sharing requests. This non-disclosure agreement will incorporate comments from ISC20 and will be reviewed at the next STATWG meeting. A standard operating protocol will be developed to handle data sharing requests, which will include ISC point of contact information.

Attachment 5

Non-Disclosure Agreement for Confidential ISC Stock Assessment Information

Jon Brodziak, Interim STATWG Chair
Jon.Brodziak@NOAA.GOV

This is a draft of a non-disclosure or confidentiality agreement between the International Scientific Committee for Tuna and Tuna-Like Species in the North Pacific (ISC) and a Requestor, or independent party, who wants to request the use of a confidential stock assessment information for an assessment conducted by an ISC Species Working Group for a specific scientific purpose. This draft emphasizes the major components of the non-disclosure agreement in a general manner and is subject to review by the ISC STATWG Steering Committee, STATWG and interested parties for approval and consideration by the ISC Plenary. The ten primary components of the non-disclosure agreement for ISC confidential stock assessment information are listed below.

I. Identify the Parties to the Agreement

A. The ISC is represented by the ISC Chair or their designee, hereafter denoted as “ISC”, with Name, Address, and Contact Information:

B. The Requestor who is asking to use the confidential stock assessment information, hereafter denoted as ‘Requestor’, with Name, Affiliation, Address, and Contact Information:

C. The scientific purpose of the request to use the confidential stock assessment information, hereafter denoted as ‘confidential information’, is:

II. Identify the Confidential Information to be Disclosed to the Requester

A. The stock assessment input data files.

B. The stock assessment modeling software.

C. The stock assessment output files or results.

D. The stock assessment metadata identifying items A, B, and C above.

III. Obligations to Maintain Confidentiality

A. The definition of confidential information under the agreement.

B. The terms of confidentiality, including the specific period for using the confidential information.

C. The deletion or physical destruction of the confidential information by the Requestor after a specific number of days from the receipt of the information.

IV. Notifications

A. The Requestor authorizes the ISC to notify other parties of this agreement.

V. Ownership Rights

A. The Requestor acknowledges that the confidential information is the sole property of the ISC.

B. The Requestor has no rights by license or otherwise to the confidential information in this agreement.

C. The Requestor may not use the confidential stock assessment information as a basis on which to develop or have a third party develop a competing or similar stock assessment or undertaking.

VI. Ownership Rights

A. The Requestor may not assign their rights under this agreement to a third party except with the prior written consent of the ISC.

B. All voluntary assignment of rights to the confidential information are limited by this section.

C. The Requestor may not delegate any performance under this agreement except with prior written consent of the ISC.

VII. Counterparts and Electronic Signatures

A. The ISC and Requestor may execute this agreement in any number of counterpart or copies, each of which is an original, but all of which are one and the same instrument.

B. This agreement and related documents are signed when a party's signature is delivered by facsimile, email, or other electronic signature medium.

VIII. Notices

A. The parties to this agreement need to communicate in writing and use of these types of delivery: (i) personal delivery, (ii) mail (postage prepaid), (iii) certified overnight courier (fees prepaid), (iv) facsimile, or (v) email.

B. Address for the ISC is:

C. Address for the Requestor is:

D. A notice is effective only if the party giving notice uses an acceptable delivery type and specified address and the recipient receives the notice.

IX. Effectiveness

A. The agreement is effective when all parties have signed it.

B. The date of this agreement is the date it is signed by the last party to sign it.

X. Necessary Acts

A. The ISC and Requestor shall use all reasonable efforts to carry out the intents and purposes of this agreement.

Signature and Date

A. Requestor:

B. ISC:

Attachment 6
STATWG Organization Chart as of July 10, 2021

STATWG	MEMBER	CONTACT
Chair	Felipe Carvalho	felipe.carvalho@noaa.gov
Vice Chair	Sung Il Lee	k.sungillee@gmail.com
Data Administrator	Kirara Nishikawa	kiraranishi@affrc.go.jp
Webmaster	Kirara Nishikawa	kiraranishi@affrc.go.jp
Canada	Sarah Hawkshaw	Sarah.Hawkshaw@dfp-mpo.gc.ca
China	Xiaojie Dai	xjdai@shou.edu.cn
Chinese Taipei	Weijen Wang	weijen@ofdc.org.tw
Korea	Jung-Hyun Lim	jhlim1@korea.kr
Japan	Hironu Fukuda	fukudahiromu@affrc.go.jp
Japan	Koji Uosaki	uosaki@affrc.go.jp
Mexico	Michel Dreyfus	dreyfus@cicese.mx
USA	Yuhong Gu	yuhong.gu@noaa.gov
USA	Russell Ito	russell.ito@noaa.gov
WCPFC	Peter Williams	peterw@spc.int
IATTC	Nickolas Vogel	nvogel@iattc.org