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## Summary of data available at the Secretariat

*Relates to agenda item: 8*

Proposal ☐ Working Document ☐ Information Paper ☒ Other Document ☐

## SIOFA Secretariat

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### Abstract

CMM 2018/02 instructs parties on how to collect and to submit fisheries data to SIOFA Secretariat. The Secretariat maintains a catch summary and a vessel catch and effort databases according to para 6 and 7 of this CMM.

Historical availability and spatial accuracy of the data held at the Secretariat are summarized in this document.

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### Introduction

CMM 2018/02 provides CCP information on flagged vessels and fishing activities data that must be collected. The CMM provides detailed information on the data that must be reported to the Secretariat. Paragraph 6 requires CCPs to report vessels catch and effort data on a haul by haul basis. Paragraph 7 requires CCPs to provide an annual catch summary by species. Historical data was also required to be provided by CCPs, and new CCP are also requested to provide historical data.

This document summarizes the content of (i) the annual catch summary database and of (ii) the vessel catch and effort databases. The summaries focus on the temporal availability and the spatial accuracy of the data. The Secretariat receives also scientific observer's data since 2018, the database that will manage such data is still under development.

## A. Annual Catch Summary

Annual catch summaries are an obligation of CMM 2018/02 (paragraph 7) but the Scientific Committee requires also the parties to provide such summaries within their annual national report. When the CP did not provide the summary under the CMM by the deadline, the summary that has been used come from the national report.

The tables below illustrate the status of annual catch summaries availability.

Year	AUS	COK	COM	EU-SP	EU-FR	F-OT	JPN	KOR	MUS	SEY	THA
2000	x			x							
2001	x			x			x	x			
2002	x						x	x			
2003	x	x		x			x	x			
2004	x	x		x	x		x				
2005	x	x		x	x		x				
2006	x	x		x	x	x	x				
2007	x	x		x	x	x	x				
2008	x	x		x	x	x	x				
2009	x	x		x	x	x	x	x			
2010	x	x			x	x	x	x			
2011	x	x			x	x	x	x			
2012	x	x			x	x	x	x			
2013	x	x		x	x	x	x	x			
2014	x	x		x	x	x	x				
2015	x	x		x	x	x	x				x
2016	x	x		x	x	x	x				x
2017		x		x	x	x	x				x
2018	x	x		x		x	x				

colour	status
	N/A - no fishing
x	data provided
X	from National Report
	no data provided

## B. Vessel catch and efforts data

The tables below illustrate the status of vessel catch and effort data held at the Secretariat by main gear (trawls, longlines and other gears). Such data must be provided on a haul by haul basis. As this requirement is not always met, a colour code has been used to qualify the spatial resolution of the available data and also to improve the general overview.

colour	value	spatial resolution
	0	N/A - no fishing
	1	N/A - no data or data lost
	2	whole agreement area
	3	by FAO area (51, 57)
	4	1° square
	5	30' square
	8	20' square
	9	1' resolution
	10	haul by haul
	999	no data provided

## B.1. Trawl gears catch and effort data summary

Year	AUS	COOK	COM	EU-FR	EU-SP	FR-OT	JPN	KOR	MUS	SEY	THA
2000	10	0	0	0	0	0	0	0	0	0	0
2001	10	0	0	0	0	0	5	0	0	0	0
2002	10	0	0	0	0	0	5	0	0	0	0
2003	10	9	0	0	0	0	0	0	0	0	0
2004	10	9	0	0	0	0	0	0	0	0	0
2005	10	9	0	0	0	0	0	0	0	0	0
2006	10	9	0	0	0	0	0	0	0	0	0
2007	10	9	0	0	0	0	0	0	0	0	0
2008	10	9	0	0	0	0	0	0	0	0	0
2009	10	9	0	0	0	0	5	0	0	0	0
2010	10	9	0	0	0	0	5	0	0	0	0
2011	10	9	0	0	0	0	5	3	0	0	0
2012	10	9	0	0	0	0	5	3	0	0	0
2013	10	9	0	0	0	0	5	3	0	0	0
2014	10	9	0	0	0	0	5	0	0	0	0
2015	10	9	0	0	0	0	5	0	0	0	4
2016	10	9	0	0	0	0	5	0	0	0	4
2017	0	9	0	0	0	0	5	0	0	0	4
2018	0	999	0	0	0	0	5	0	0	0	0

colour	spatial resolution
0	N/A - no fishing
1	N/A - no data or data lost
2	whole agreement area
3	by FAO area (51, 57)
4	1° square
5	30' square
8	20' square
9	1' resolution
10	haul by haul
999	no data provided

## B.2. Longline gears catch and effort data summary

Year	AUS	COOK	COM	EU-FR	EU-SP	FR-OT	JPN	KOR	MUS	SEY	THA
2000	0	0	0	1	0	0	0	0	999	0	0
2001	0	0	0	1	0	0	0	3	999	0	0
2002	0	0	0	1	0	0	0	3	999	0	0
2003	0	0	0	1	10	0	0	3	999	0	0
2004	0	0	0	4	10	0	4	0	999	0	0
2005	0	0	0	4	10	0	4	0	999	0	0
2006	0	0	0	4	10	10	4	0	999	0	0
2007	0	0	0	4	10	10	4	0	999	0	0
2008	10	0	0	8	10	10	4	3	999	0	0
2009	0	0	0	8	10	10	4	3	999	0	0
2010	0	0	0	8	10	10	4	3	999	0	0
2011	0	0	0	8	10	10	0	3	999	0	0
2012	0	0	0	8	10	10	0	3	999	0	0
2013	0	0	0	8	10	10	4	3	999	0	0
2014	0	0	0	8	10	10	0	0	999	0	0
2015	10	0	0	8	10	10	0	0	999	0	0
2016	10	0	0	8	10	10	0	0	999	0	0
2017	0	0	0	8	10	10	4	0	999	0	0
2018	10	0	0	0	999	10	0	0	999	0	0

colour	spatial resolution
0	N/A - no fishing
1	N/A - no data or data lost
2	whole agreement area
3	by FAO area (51, 57)
4	1° square
5	30' square
8	20' square
9	1' resolution
10	haul by haul
999	no data provided

## B.3. Other gears (traps, handline, dropline, seine, nets, etc.) catch and effort data summary

Year	AUS	COOK	COM	EU-FR	EU-SP	FR-OT	JPN	KOR	MUS	SEY	THA
2000	0	0	0	0	0	0	0	0	999	0	0
2001	0	0	0	0	0	0	0	0	999	0	0
2002	0	0	0	0	0	0	0	0	999	0	0
2003	0	0	0	0	0	0	0	0	999	0	0
2004	0	0	0	0	0	0	0	0	999	0	0
2005	0	0	0	0	0	0	0	0	999	0	0
2006	0	0	0	0	0	10	0	0	999	0	0
2007	0	0	0	0	0	10	0	0	999	0	0
2008	0	0	0	0	0	10	0	0	999	0	0
2009	0	0	0	0	0	10	0	0	999	0	0
2010	0	0	0	0	0	10	0	0	999	0	0
2011	0	0	0	0	0	10	0	0	999	0	0
2012	0	0	0	0	0	10	0	0	999	0	0
2013	0	0	0	0	10	10	0	0	999	0	0
2014	0	0	0	0	10	10	0	0	999	0	0
2015	0	0	0	0	10	10	0	0	999	0	4
2016	0	0	0	0	0	10	0	0	999	0	4
2017	0	0	999	0	0	10	0	0	999	0	4
2018	10	0	999	0	0	10	0	0	999	0	0

colour	spatial resolution
0	N/A - no fishing
1	N/A - no data or data lost
2	whole agreement area
3	by FAO area (51, 57)
4	1° square
5	30' square
8	20' square
9	1' resolution
10	haul by haul
999	no data provided

This summary shows that, at the time of preparing this document, many CCP did not provide 2018 catch and effort data by the deadline of 31 May 2019.

Also, several CCPs did not provided historical data on a haul by haul basis but at a coarser scale.

During the 4<sup>th</sup> Scientific Committee the gaps between the data held at the Secretariat and the data collected by each CCP was analysed. The analysis results are presented in *annex E of the SC4 report*; it highlighted that some CCP collected data at a better spatial resolution than it was submitted. Those CCPs agreed to re-provide the data at the better resolution.

### C. Scientific observer data

In 2018, the CMM about data standards has been updated and the submission of scientific observer data has become an obligation (such submission was previously on a voluntary basis).

The table below summarize the reports that have been provided so far to the Secretariat

Year	reports
2016	Australia trawl observers reports, Australia longline observers reports
2017	Japan trawl observers trip reports, Japan longline observer report (under CCAMLR format)
2018	Australia longline and dropline observer reports  France Territories trap/pot observer reports, France Territories longline observer reports  Japan trawl observers reports

The database that will host all observer's data is still under development.

### Conclusions

The data available at the Secretariat have not yet been totally provided under the obligations provided in CMM 2018/02. It is likely, that for some specific fisheries, the collection of data on a haul by haul basis may be very difficult to be applied.

The compliance monitoring scheme will help to understand the reasons of non-compliance or inability to comply. It will serve to improve the collection and submission of data and eventually to adjust the obligations of the CMM about data standards.

Providing the Secretariat, a maximum of data and at the best spatial resolution is very important for the Agreement to fulfil its objectives such as the establishment of a SIOFA fishing footprint and accurate assessments of fish stock status.