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New Zealand, 3 to 8 October 2020

SC8-Doc23

Peru Annual Report (SPRFMO Area)

Peru



**INSTITUTO DEL MAR DEL PERU
IMARPE**



PERÚ

Ministerio
de la Producción

SC8-Doc23

**MINISTERIO DE LA PRODUCCION
PRODUCE**

**South Pacific Regional Fisheries Management Organisation
8th Meeting of the Scientific Committee
New Zealand (hosted remotely), 3-8 October 2020**

Peru National Report N° 1

**REPORT ON THE FISHING ACTIVITIES OF THE
PERUVIAN FLEET IN THE AREA OF
APPLICATION OF THE CONVENTION ON THE
CONSERVATION AND MANAGEMENT OF
HIGH SEAS FISHERY RESOURCES IN THE
SOUTH PACIFIC OCEAN,
PERIOD JANUARY 2019 – JUNE 2020**

by

IMARPE - PRODUCE

2020

SUMMARY

As of June 2020, there are 99 Peruvian vessels authorized and registered in the Commission record of vessels authorized to fish within the SPRFMO Convention area. In 2014, up to 5 Peruvian purse seine/traulers caught 2 556.9 t of *Trachurus murphyi* and 1 190.0 t of *Dosidicus gigas* in the SPRFMO Convention area. This fleet of Peruvian larger multipurpose purse seine/rawl vessels has now been reduced to only 2 vessels. No Peruvian vessel has fished for *T. murphyi* in the SPRFMO Convention area since 2015. A total of 1 122.3 t of *Scomber japonicus* were caught by 5 Peruvian purse seiners in 2016. No Peruvian vessel has fished for *S. japonicus* in the SPRFMO Convention area since 2017. Two Peruvian scientific research vessels caught a total of 1.6 t of *D. gigas* in 2015 and one of them caught 1.0 t in 2018, while a variable number of small artisanal jigger vessels were reported to have occasionally fished for *D. gigas* in the SPRFMO Convention between 2014 and 2018. According to IMARPE estimates, these small artisanal jigger vessels may have caught an estimated maximum of 5 066 t of *D. gigas* in 2017. Details of all these catches have been reported in previous annual reports to the SPRFMO Scientific Committee. No fishing activities or sea going research activities by Peruvian flagged vessels directed to non-highly migratory species in the SPRFMO Convention area have been reported for the 2019 and the first semester of 2020.

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1. INTRODUCTION

This report provides information on the Peruvian fishing and seagoing research activities directed to non-highly migratory species in the SPRFMO Convention area during the period January 2019 - June 2020. This updates information provided in previous reports (IMARPE-PRODUCE 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019) where details for previous years can be found.

2. DESCRIPTION OF THE FISHERIES

2.1. Fleet composition

As of June 2020, the Peruvian fleet authorized and registered in the Commission record of vessels authorized to fish within the area of application of the Convention on the Conservation and Management of High Seas Fishery Resources in the South Pacific Ocean (SPRFMO Convention area) added up to 99 vessels, including 93 purse seiners with an average hold capacity of 504 m³, 1 trawler/freezer with a hold capacity of 2 399 m³, 2 multipurpose vessels (purse seine/trawler) with an average hold capacity of 2 030 m³, 1 support tanker with a hold capacity of 10 339 m³ and 2 scientific fishery research vessels with no (0 m³) hold capacity (Table 1).

Table 1. Peruvian vessels registered and authorized to fish within the SPRFMO Convention area (as of 30 June 2020)

Number of vessels	Types of fishing vessels	Total hold capacity (m ³)	Average hold capacity (m ³)
93	Purse seine	46 894	504
1	Trawl/freezer	2 399	2 399
2	Purse seine/trawl	4 061	2 030
1	Tanker	10 339	10 339
2	Scientific fishery research	0	0

In accordance with the provisions in CMM 05-2019, during the period from January 2019 to June 2020, the SPRFMO was informed of the cancellation of the Peruvian authorization of the following two (2) vessels: ENTERPRISE, with registration number CO-37808-PM; and PACIFIC CHAMPION, with registration number CO-33547-PM.

No Peruvian flagged vessels have participated in fishing activities directed to non-highly migratory species in the SPRFMO Convention area between January 2019 and June 2020 (Table 2).

Table 2. Peruvian fleet that participated in fishing activities in the SPRFMO Convention area, by type of vessel and fishing gear with indication of their total hold capacity and total catch per year for the period January 2014 - June 2019

Year	Number of vessels	Type of vessel and fishing gear	Total hold capacity (m ³)	Average hold capacity (m ³)	Total catch (t)
2019	0	not applicable	0	0	0
2020*	0	not applicable	0	0	0

* January-June 2020 only

2.2. Catch and fishing activities

Annual catches of Jack mackerel (*Trachurus murphyi*), jumbo flying squid (*Dosidicus gigas*) and chub mackerel (*Scomber japonicus*) by Peruvian vessels that participated in fishing activities in the SPRFMO Convention area between January 2014 and June

2020 are shown in Table 3. The higher catches shown are those made by a small fleet of 5 larger (2 046 m³ average hold capacity) multipurpose purse seine/rawl vessels in 2014, followed by those of smaller (550 m³ average hold capacity) purse seine vessels in 2016 and even smaller (18 m³ average hold capacity) artisanal jigger vessels in 2017.

Table 3.- Catches by the Peruvian fleet that participated in fishing activities in the SPRFMO Convention area, by main species, in tonnes, per year, period January 2014 – June 2020

Year	Type of vessel and fishing gear	<i>Trachurus murphyi</i> (t)	<i>Dosidicus gigas</i> (t)	<i>Scomber japonicus</i> (t)	Others (t)	Total (t)
2014	Purse seine/rawl	2 556.9	1 190.0	0.0	0.0	3 746.9
	Artisanal jigger **	0.0	84.3**	0.0	0.0	84.3**
2015	Scientific research jigger/rawl	0.0	1.6	0.0	0.1	1.7
	Artisanal jigger **	0.0	302.8**	0.0	0.0	302.8**
2016	Purse seine	0.0	0.0	1 122.3	0.0	1 122.3
	Artisanal jigger **	0.0	999.3**	0.0	0.0	999.3**
2017	Scientific research jigger/rawl	0.0	1.0	0.0	0.0	1.0
	Artisanal jigger **	0.0	5 066.0**	0.0	0.0	5 066.0**
2018	Artisanal jigger **	0.0	287.9**	0.0	0.0	287.9**
2019	n/a	0.0	0.0	0.0	0.0	0.0
2020*	n/a	0.0	0.0	0.0	0.0	0.0

* January-June 2020 only

** Preliminary estimates from IMARPE's port interviews & sampling programme for research purposes. Not official data. Subject to changes

2.2.1. Jack mackerel

The annual catches of Jack mackerel (*Trachurus murphyi*) by Peruvian vessels in the SPRFMO Convention area since 2009 is shown in Figure 1. A maximum annual catch of 40 516 t was reported in 2010. After the annual catch of 2 556.9 t was reported by 5 Peruvian flagged multipurpose purse seine/rawl vessels in 2014, no vessel flagged to Peru has participated in the *Trachurus murphyi* fishery in the SPRFMO Convention area. Therefore, there are no *Trachurus murphyi* catches (0 t) in the SPRFMO Convention area to report between 2015 and 2020 (until June 2020).

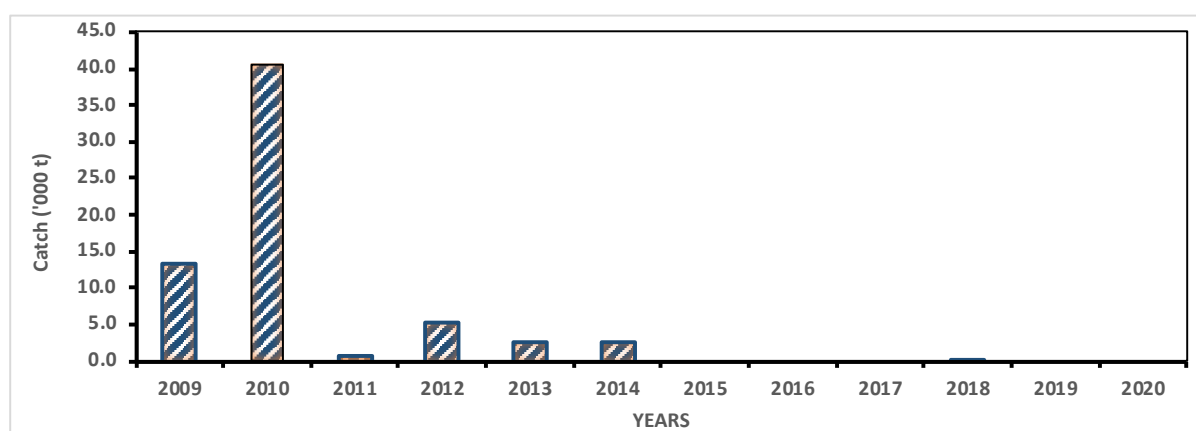


Figure 1.- Annual Peruvian catches of Jack mackerel (*Trachurus murphyi*) in the SPRFMO Convention area, years 2009 to 2020 (until June 2020)

2.2.2. Jumbo flying squid

The annual catches of jumbo flying squid (*Dosidicus gigas*) by Peruvian vessels in the SPRFMO Convention area since 2009 is shown in Figure 2. There is a first maximum of 1 274.3 t in 2014, mostly (1 190.0 t) caught by large multipurpose purse seine/trawl vessels, and a more recent maximum of 5 067.0 t in 2017, most of it caught by small artisanal jigger vessels (5 066.0 t). An estimated 287.9 t were caught by small artisanal jigger vessels in 2018.

No catches (0 t) of jumbo flying squid in the SPRFMO Convention area have been reported during 2019 and the first semester of 2020.

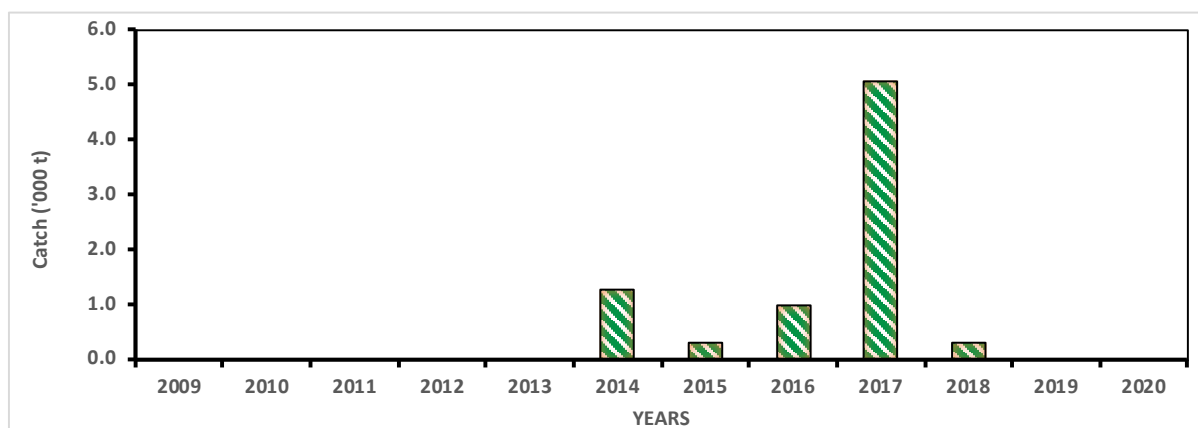


Figure 2.- Annual Peruvian catches of jumbo flying squid (*Dosidicus gigas*) in the SPRFMO Convention area, years 2009 to 2020 (until June 2020)

2.2.3. Chub mackerel

The annual catches of chub mackerel (*Scomber japonicus*) by Peruvian vessels in the SPRFMO Convention area since 2009 is shown in Figure 3. The maximum annual catch of 1 122.3 t was reported by 5 Peruvian purse-seiners vessels during 2016.

No catches of *Scomber japonicus* in the SPRFMO Convention area have been reported by Peruvian vessels in 2017, 2018, 2019 and the first part of 2020.

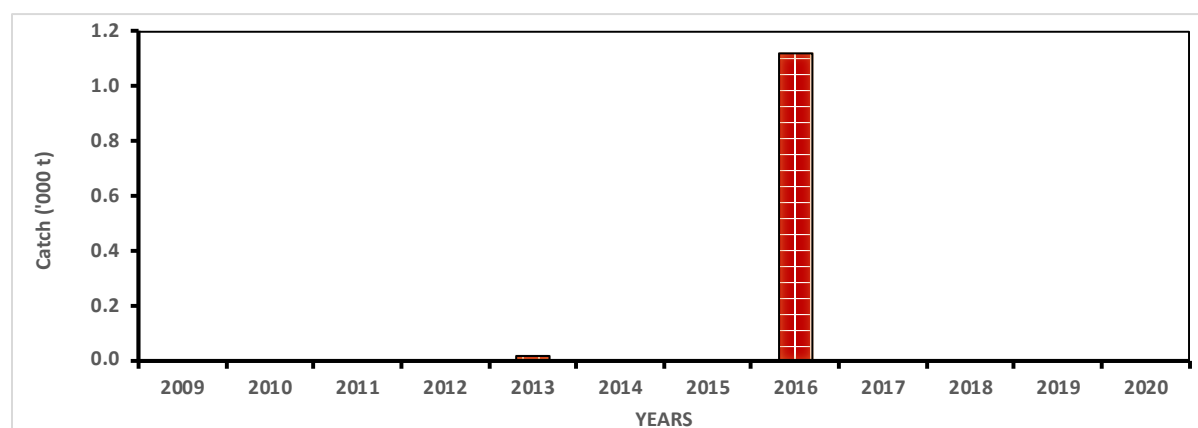


Figure 3.- Annual Peruvian catches of chub mackerel (*Scomber japonicus*) in the SPRFMO Convention area, years 2009 to 2020 (until June 2020)

2.3. Jack mackerel catch entitlements and transfers

As per CMM 01-2019, the 2019 Peruvian catch entitlement for Jack mackerel (*Trachurus murphyi*) to be caught within the SPRFMO Convention area was 11 988 t. No transfer of this entitlement was made during 2019.

As per CMM 01-2020, the Peruvian catch entitlement for 2020 is 13 793 t and as of 30 June 2020, no transfer has been made against this 2020 Peruvian catch entitlement.

3. CATCH, EFFORT AND CPUE SUMMARIES

3.1. Catch trends in the Jack mackerel fishery

The monthly trend in catches of Jack mackerel by the Peruvian fleet in the SPRFMO Convention area since 2012 is shown in Figure 4. As already noted, no fishing activities directed to Jack mackerel and no catches of this species have been made by Peruvian vessels in the SPRFMO Convention area from 2015 until June 2020.

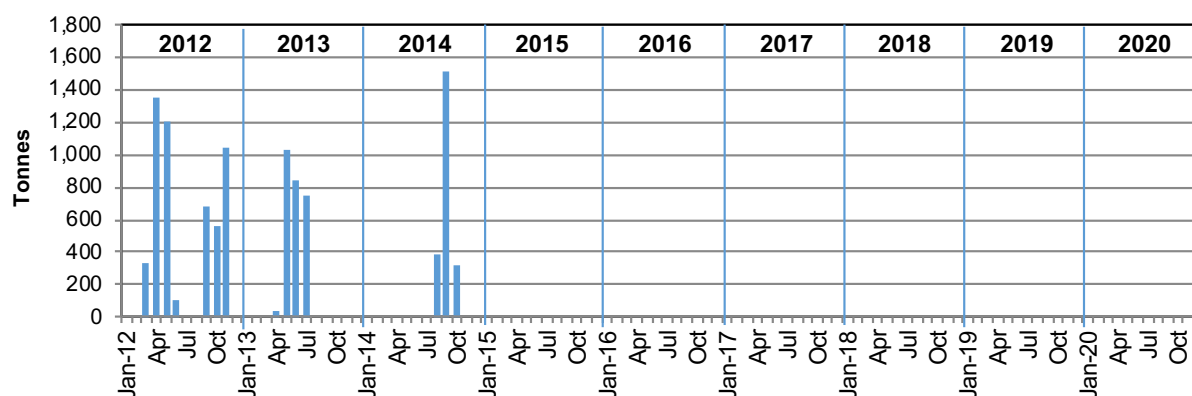


Figure 4.- Jack mackerel (*Trachurus murphyi*) monthly catches by the Peruvian fleet in the SPRFMO Convention area, 2010 – 2020 (until June 2020)

3.2. Fishing effort trends in the Jack mackerel fishery

The trends of the fishing effort directed to Jack mackerel by Peruvian vessels operating in the SPRFMO Convention area since 2010 is shown in Figure 5. The number of vessels and hold capacity has been highly variable, with maximums of 11 vessels in 2010 and of 11 102 m³ total holding capacity in 2012. No such fishing effort has been exerted during 2015, 2016, 2017, 2018, 2019 and the first six months 2020.

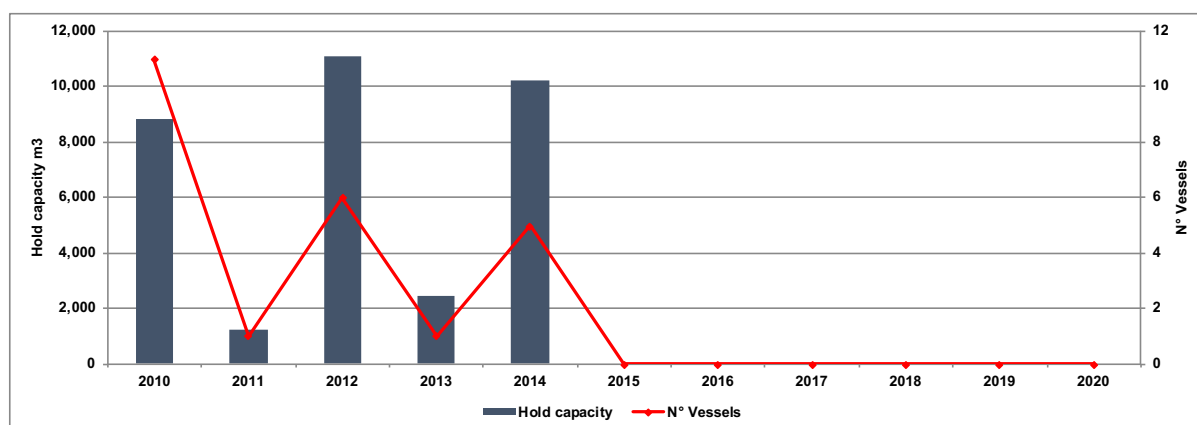


Figure 5.- Total holding capacity and number of vessels in the Peruvian fleet that operated in the Jack mackerel (*Trachurus murphyi*) fishery in the SPRFMO area, by year 2010-2020 (until June 2020)

3.3. Catch, fishing effort and CPUE trends in the jumbo flying squid fishery

The monthly trend in catches of jumbo flying squid by Peruvian artisanal jigger vessels in the SPRFMO Convention area since 2012 is shown in Figure 6. The highest estimated monthly catch in this area was 3 123 t by 325 artisanal vessels in November 2017 (total 5 066 t for the whole year 2017).

No fishing activities directed to jumbo flying squid and no catches of this species have been reported by Peruvian vessels in the SPRFMO Convention during 2019 and the first semester of 2020.

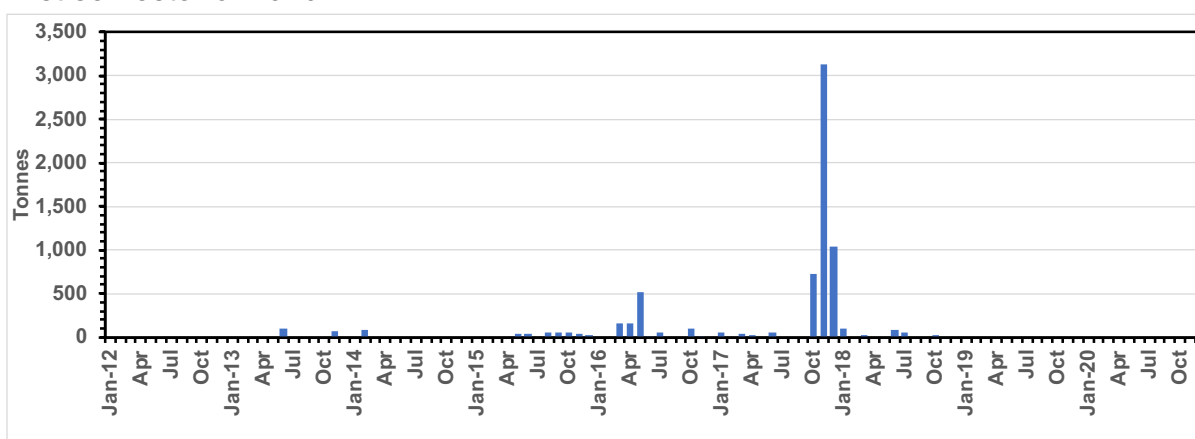


Figure 6.- Estimated jumbo flying squid (*Dosidicus gigas*) monthly catches by Peruvian artisanal jigger vessels in the SPRFMO Convention area, 2012 – 2020 (until June 2020)

The trends in CPUE and total fishing effort directed to jumbo flying squid by Peruvian artisanal jigger vessels within the SPRFMO Convention area since 2012 are shown in Figure 7. Total fishing effort has been low, occasional and highly variable, with an estimated maximum of 10 185 m³ of holding capacity accumulated by an estimated 557 artisanal vessels in 573 trips in 2017. However, the observed CPUE (in t caught per m³ of hold capacity per trip) of these vessels has been relatively stable between 2013 and 2018, while they have occasionally fished for jumbo flying squid in the Convention area, ranging from a minimum of 0.371 t/m³-trip in 2018 and a maximum of 0.523 t/m³-trip in 2015. There is no fishing effort and no jumbo flying squid CPUE by Peruvian flagged vessels to report for 2019 and the first semester of 2020.

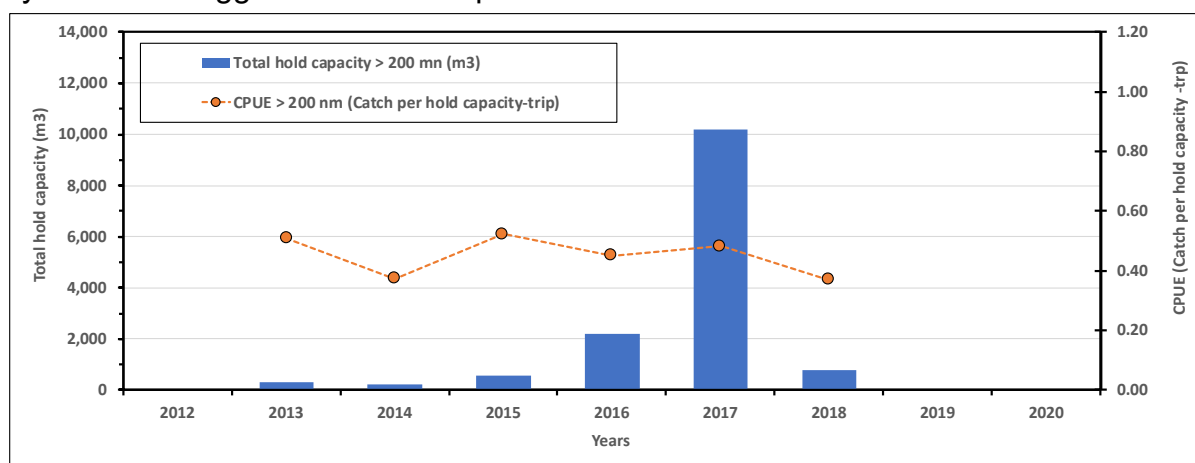


Figure 7.- Estimated total holding capacity and CPUE (catch/hold capacity-fishing days) of Peruvian artisanal jigger vessels fishing for jumbo flying squid (*Dosidicus gigas*) in the SPRFMO area, by year 2012-2020 (until June 2020)

4. DATA COLLECTION AND RESEARCH ACTIVITIES

There has been no fishing or seagoing research activities directed to non-highly migratory species by Peruvian flagged vessels in the SPRFMO Convention area between January 2019 and June 2020. Therefore, there are no data collection or seagoing research activities to report for 2019 or the first semester of 2020.

5. BIOLOGICAL INFORMATION

There have been no fishing or seagoing research activities directed to non-highly migratory species by Peruvian flagged vessels in the SPRFMO Convention area between January 2019 and June 2020. Therefore, there is no relevant biological information pertaining to fish species in the Convention area to report for 2019 or the first semester of 2020.

6. ECOSYSTEM APPROACH CONSIDERATIONS

There are no seabird mitigation measures, seabird interaction observations, or ALFG (abandoned, lost, discarded or retrieved fishing gear) to report for 2019 or the first semester of 2020.

7. ONBOARD OBSERVER PROGRAM

Since 2015, there is no Peruvian fleet purposely fishing in the SPRFMO Convention area with vessels of a proper size to carry observers onboard. Therefore, the Peruvian SPRFMO Onboard Observer Program is on hold until regular fishing activities in the SPRFMO Convention area resume. Therefore, there is no onboard observer's information to report for 2019 or the first semester of 2020.

8. REFERENCES

- IMARPE-PRODUCE. 2012. Report on the fishing activities of the Peruvian fleet in the area of the South Pacific Regional Fisheries Management Organization (SPRFMO). Peru 2012 Report presented to the 11th meeting of the Science Working Group of the SPRFMO, Lima, Peru, 15-19 October 2012. SPRFMO document SWG-11-08 (rev 1): 13p.
(<http://www.sprfmo.int/assets/Meetings/Meetings-before-2013/Scientific-Working-Group/SWG-11-2012/SWG-11-08-rev-1-Peru-2012-Report.pdf>)
- IMARPE-PRODUCE. 2013. Report on the fishing activities of the Peruvian fleet in the area of application of the Convention of the South Pacific Regional Fisheries Management Organisation (SPRFMO) during January 2012 – July 2013. Peru National Report N° 1 presented to the 1st meeting of the Scientific Committee of the SPRFMO, La Jolla, Ca., USA, 21-27 October 2013. SPRFMO document SC-01-12: 11p (<http://www.sprfmo.int/assets/Meetings/Meetings-2013-plus/SC-Meetings/1st-SC-Meeting-2013/SC-01-12-Peru-2013-Annual-Report-1-SPRFMO-Area-a.pdf>)
- IMARPE-PRODUCE. 2014. Report on the fishing activities of the Peruvian fleet in the area of application of the Convention of the South Pacific Regional Fisheries Management Organisation (SPRFMO) during January 2013 – July 2014. Peru National Report N° 1 presented to the 2nd meeting of the Scientific Committee of the SPRFMO, Honolulu, Hawaii, U.S.A., 1-7 October 2014. SPRFMO document SC-02-16_rev1: 12p.
(<http://www.sprfmo.int/assets/Meetings/Meetings-2013-plus/SC-Meetings/2nd->

[SC-Meeting-2014/Papers/SC-02-16-rev1-Peru-Annual-Report-No.1-SPRFMO-Area.pdf](#))

IMARPE-PRODUCE. 2015. Report on the fishing activities of the Peruvian fleet in the area of application of the Convention of the South Pacific Regional Fisheries Management Organisation (SPRFMO), January 2013 – July 2015. Peru National Report No 1 presented to the 3rd meeting of the Scientific Committee of the SPRFMO, Port Vila, Vanuatu, 28 September - 03 October 2015. SPRFMO document SC-03-10: 14p
(<http://www.sprfmo.int/assets/Meetings/Meetings-2013-plus/SC-Meetings/3rd-SC-Meeting-2015/Papers/SC-03-10-Peru-Annual-report-Part-I-SPRFMO-Area-a.pdf>)

IMARPE-PRODUCE. 2016. Report on the fishing activities of the Peruvian fleet in the area of application of the Convention of the South Pacific Regional Fisheries Management Organisation (SPRFMO), January 2015 – July 2016. Peru National Report No 1 presented to the 4th meeting of the Scientific Committee of the SPRFMO, The Hague, Kingdom of the Netherlands, 10 - 15 October 2016. SPRFMO document SC-04-08: 7p.
(<http://www.sprfmo.int/assets/Meetings/Meetings-2013-plus/SC-Meetings/4th-SC-Meeting-2016/SC04-papers/SC-04-08-Peru-National-Report-Part-I-SPRFMO-Area-SD2-.pdf>)

IMARPE-PRODUCE. 2017. Report on the fishing activities of the Peruvian fleet in the area of application of the Convention of the South Pacific Regional Fisheries Management Organisation (SPRFMO), January 2016 – July 2017. Peru National Report No 1 presented to the 5th meeting of the Scientific Committee of the SPRFMO, Shanghai, China, 23-28 September 2017. SPRFMO document SC5-Doc18: 7p. (<http://www.sprfmo.int/assets/SC5-2017/SC5-Doc18-Perus-Annual-report-part-I-SPRFMO-Area.pdf>)

IMARPE-PRODUCE. 2018. Report on the fishing activities of the Peruvian fleet in the area of application of the Convention of the South Pacific Regional Fisheries Management Organisation (SPRFMO), January 2017 – June 2018. Peru National Report N° 1 presented to the 6rd meeting of the Scientific Committee of the SPRFMO, Puerto Varas, Chile, 09-14 October 2018. SPRFMO document SC6-Doc19: 18p. (<http://www.sprfmo.int/assets/2018-SC6/Meeting-Documents/SC6-Doc19-Peru-Annual-Report-2018.pdf>)

IMARPE-PRODUCE. 2019. Report on the fishing activities of the Peruvian fleet in the area of application of the Convention of the South Pacific Regional Fisheries Management Organisation (SPRFMO), January 2018 – June 2019. Peru National Report N° 1 presented to the 7th meeting of the Scientific Committee of the SPRFMO, La Havana, Cuba, 7-12 October 2019. SPRFMO document SC7-Doc33: 16p (<http://www.sprfmo.int/assets/2019-SC7/Meeting-Docs/SC7-Doc33-Perus-Annual-report-2019-SPRFMO-Area.pdf>)