

**Information paper submitted by the Secretariat.**

**NPFC 2024 Fisheries Overview**

**Abstract:**

This report presents a summary of fishing catch and effort in the NPFC Convention Area and National Waters for all NPFC species, for 2024, along with comparative data for the period back to 2019. Data for this report is drawn from Members' annual reports as well as information from the NPFC Vessel Registry.

**Note:**

Report Updated to revise the numbers 13 March 2025 (Rev. 1) and 14 March 2025 (Rev. 2).

Report Updated to revise the numbers according to the following members responses 19 March 2025.

**China** noted that the total fishing days for Chub Mackerel and Japanese Sardine in 2024 were double-counted, as the same vessels operated in both fisheries simultaneously. Additionally, China reported that the number of authorized vessels for Japanese Flying Squid in 2024 is recorded as 0 and requested that the Secretariat describe the potential for data duplication.

**Japan** indicated that the reference to "Squid in the National Water" should be corrected to "Neon Flying Squid in the National Water."

**Korea** stated that the number of authorized vessels for Pacific Saury in 2022 should be revised from 8 to 19.

**Chinese Taipei** has indicated that the figures for authorized and active vessels for the period 2019–2024 require revision and has submitted the corresponding historical data to the Secretariat.

**Vanuatu** has requested an update to its vessel counts and has provided its historical data for review by the Secretariat.

## **Table of Contents**

1. Introduction

2. Bottom Fisheries

3. Pelagic Fisheries

3.1 Pacific saury

3.2 Chub mackerel

3.3 Japanese sardine

3.4 Squids

3.5 Sharks and Chimera

Annex 1. Overview of fisheries in National Waters

Annex 2. Historic Numbers of Authorized/Active Vessels, days  
Fished and Catch Amounts

## 2024 Fisheries Overview

### 1. Introduction:

This report provides an organized summary of fishing activities for 2024 as reported by Members/CNCP, through the submission of annual reports and the updating of the Vessel Registry. The catch and effort data for 2024 is presented along with the same for previous years back to 2019, when the Vessel Registry was introduced. For a more detailed look at the NPFC's annual fishery reports, please visit the website at <https://www.npfc.int/statistics>.

In 2024, NPFC Members reported a total of 1,324 authorized vessels, with 473 actively operating in the Convention Area. A total catch of approximately 530,843 MT of fish was reported from the Convention Area from approximately 41,945 fishing days. An additional 1,195,601 MT of NPFC species (straddling stocks) were harvested in the National Waters of Japan and Russia in 2024. Details of catch and effort reports from National Waters are provided in Appendix 1.

Tables 1 and 2 provide detailed information by Member on the 2024 catch and effort by species in the Convention Area. Authorized and active vessel numbers were taken from annual reports, and total fishing days were summed for each species. Notably, no Japanese Flying Squid was reported in 2024. All figures—except those for Sharks and Anadromous Species—are rounded to one decimal place. Historical data from 2019 are available in Supplementary Tables 1–2 in the Appendix.

**Table 1. The number of authorized and active vessels with total catch amounts in 2024 in the Convention Area for each active Member**

	Authorized Vessels	Active Vessels	Fishing Days	Total Catch Amounts (Metric Ton)
<b>China</b>	741	259	32,818	389,817
<b>Japan</b>	362	121	4,013	34,224
<b>Korea</b>	41	5	434	5,885
<b>Russia</b>	73	14	328	31,226
<b>Chinese Taipei</b>	101	70	4,215	67,284
<b>Vanuatu</b>	6	4	137	2,407
<b>Total</b>	<b>1,324</b>	<b>473</b>	<b>41,945</b>	<b>530,843</b>

**Table 2. The total catch amounts by species in the Convention Area in 2024 for each active Member (Metric Ton)**

	<b>Pacific Saury</b>	<b>Chub Mackerel</b>	<b>Japanese Sardine</b>	<b>Neon Flying Squid</b>	<b>Bottom Fisheries</b>	<b>Sharks and Anadromous Species</b>
<b>China</b>	40,504	72,367	261,104	15,842	-	Blue Shark (0.6)
<b>Japan</b>	28,701	1	-	3,426	2,096	Sharks nei (10.8) Chimera ns (1.2)
<b>Korea</b>	5,866	-	-	19	-	-
<b>Russia</b>	286	1,431	29,506	-	-	-
<b>Chinese Taipei</b>	67,280	-	-	4	-	-
<b>Vanuatu</b>	2,407	-	-	-	-	-
<b>Total</b>	<b>145,044</b>	<b>73,799</b>	<b>290,610</b>	<b>19,291</b>	<b>2,096</b>	-

## 2. Bottom Fisheries

The 2024 bottom fishery was conducted by 2 vessels over 304 days with a total catch of 2,096 MT. This compares to 2,235 MT harvested in 2023 by 2 vessels over 278 days. Tables 3 to 4 present the total catch, number of active vessels, fishing days, and catch amounts by Member and species for bottom fisheries from 2019 to 2024. Only data for Japan, Korea and Russia are shown.

**Table 3. The catch amounts of Bottom Fisheries for each species in 2024 for each active Member (Metric Ton)**

	North Pacific armorhead	Splendid alfonsino	Mirror dory	Butterfish	Rockfishes	Other
<b>Canada</b>	-	-	-	-	-	-
<b>Japan</b>	46	1,573	24	13	10	430
<b>Korea</b>	-	-	-	-	-	-
<b>Russia</b>	-	-	-	-	-	-
<b>Total</b>	46	1,573	24	13	10	430

**Table 4. The number of active vessels for Bottom fisheries for each active Member from 2019 to 2024**

	2019	2020	2021	2022	2023	2024
<b>Canada</b>	1	-	-	-	-	-
<b>Japan</b>	4	2	2	2	2	2
<b>Korea</b>	1	-	-	-	-	-
<b>Russia</b>	1	-	1	1	-	-
<b>Total</b>	6	2	3	3	2	2

The historical numbers of authorized and active vessels and fishing days with catch amounts from 2019 can be found in Supplementary Table 3 in Appendix 2.

### **3. Pelagic Fisheries**

In 2024, pelagic fisheries within the Convention Area harvested a total of 528,747 metric tons (MT) of chub mackerel, Pacific saury, Neon flying squid, and Japanese sardines. The tables below detail the catch and effort by active Members and provide historical data to contextualize the 2024 activities.

#### **3.1 Pacific saury**

In 2024, Pacific saury catches in the NPFC Convention Area exhibited an increase from 2023, totaling 145,044 MT, up from 104,394 MT in the previous year. Of the 363 authorized vessels, 229 actively fished over 11,578 days, achieving an average catch rate of 12.5 MT per day. While the fishing effort decreased in 2024, the catch rate improved stable compared to 2023, when 196 of the 355 authorized vessels achieved an average catch rate of 8.77 MT per day over 11,926 fishing days. An additional 9,987 MT was harvested in the National Waters of Japan. Further details are provided in Annex 1. Supplementary Tables 6 and 7 in Annex 2 present, by Member, the number of authorized and active vessels, as well as the number of fishing days and catches from 2019 to 2024.

#### **3.2 Chub mackerel**

Although vessels are registered separately for chub mackerel and blue mackerel, catches of both species are reported collectively as chub mackerel in Members' Annual Reports. In 2024, chub mackerel catches in the Convention Area increased by more than 1.48% from the previous year, with a total reported catch of 73,799 MT (48,851 MT in 2023). Of the 234 authorized vessels in 2024, 122 fished over 19,063 days, achieving an average catch rate of 3.87 MT per day. This compares with a higher catch rate of 2.9 MT per day for the 93 (of an authorized 227) vessels that fished 16,652 days in 2023. Chub mackerel catches within Japanese National Waters also witnessed a significant decrease from 2023 to 2024, with the average daily catch rate falling from 16.2 MT in 2023 to 13.1 MT in 2024. Details of the chub mackerel fishery in National Waters may be found in Annex 1. Supplementary Tables 8 and 9 in Annex 2 show, by Member, the numbers of authorized and active vessels, as well as the number of fishing days and catches for the period 2019–2024.

### **3.3 Japanese sardine**

In 2024, the largest single-species harvest reported by the NPFC was Japanese sardine, with a catch of 290,610 MT, accounting for more than 54% of the total catch in the Convention Area. This amount was harvested by 121 vessels over 18,907 fishing days. This represents a slight increase from the 2023 catch of 233,167 MT, which involved 94 vessels over 16,654 days. Japanese sardines were also fished in the National Waters of Japan and Russia, where an additional 1,083,331 MT was harvested. Details are provided in Annex 1. Supplementary Tables 10 and 11 in Annex 2 present, by Member, the number of authorized and active vessels, and the number of fishing days and catches from 2019 to 2024.

### **3.4 Squids: Neon Flying Squid and Japan Flying Squid**

The number of active vessels and fishing days for Neon flying squid and Japanese flying squid are reported collectively as "squids." Although vessels are registered separately for the two species, catches and fishing days for Neon and Japanese flying squid are combined in Members' Annual Reports. Consequently, the effort data for both species are aggregated.

In 2024, a total of 19,291 MT of Neon flying squid was reported caught in the Convention Area, with 10,353 fishing days reported under the generic "squids." Authorizations included 830 for Neon flying squid and an additional 830 for Japanese flying squid. Supplementary Tables 12 to 14 in Annex 2 provide information on authorized vessels, reported catches for "squid" and Japanese flying squid, including active vessels and fishing days by Member from 2019 to 2024. Additionally, a total of 17,452 MT of Japanese flying squid was reported as caught in the National Waters of Japan in 2024. Further details are available in Annex 1. Please note that the counts of active vessels for Squid and Neon Flying Squid were determined by summing the active vessel numbers across all species and both western and eastern fishing regions.

### **3.5 Sharks and Chimera**

Sharks and chimera within the NPFC Convention Area were reported for the first time in 2024. China reported 0.6 MT of Blue Shark while Japan reported 10.8 MT for "Sharks nei" and 1.2 MT for "Chimera ns".

## Annex 1. Overview of fisheries in National Waters

Annex 1 provides the information on fisheries in National Waters reported by each Member in its annual report. Annex 1 shows data from Japan, Korea and Russia, which are the only Members that reported fishery data in their National Waters. The figures for active vessels, fishing days, and total catch amounts were derived by summing the values for each species, and all figures have been rounded to one decimal place. Supplementary Tables 1 and 2 show the active vessels and catch amounts of the pelagic fisheries in 2024.

**Supplementary Table 1. The number of active vessels with total catch amounts in 2024 in the National Waters for each active Member**

	Active vessels	Fishing Days	Total Catch Amounts (Metric Ton)
<b>Japan</b>	247	11,302	631,219
<b>Korea</b>	-	-	-
<b>Russia</b>	105	3,232	564,382
<b>Total</b>	352	14,534	1,195,601

**Supplementary Table 2. The total catch amounts in the National Waters in 2024 for each active Member (Metric Ton)**

	Pacific Saury	Chub Mackerel	Japanese Sardine	Neon Flying Squid	Japan Squid
<b>Japan</b>	9,987	78,487	525,278	15	17,452
<b>Korea</b>	-	-	-	-	-
<b>Russia</b>	528	5,801	558,053	-	-
<b>Total</b>	10,515	84,288	1,083,331	15	17,452

## Annex 2. Historical numbers of Authorized and Active Vessels and Fishing days with catch amounts

\*\*The number of authorized vessels for 2024 only was sourced directly from the annual reports, in which all Members provided a list of authorized vessels for each species. For data through 2023, the authorized vessel figures were obtained from the NPFC Vessel Registry; however, this registry may contain inconsistencies and inaccuracies—for example, some carrier vessels have been erroneously registered as target vessels for pelagic species. Active vessel and fishing days counts for the same period were derived from the annual reports and footprint data, though these figures may include duplicate entries for vessels operating in multiple fisheries (e.g., Chub mackerel and Japanese Sardine or Pacific Saury and Neon Flying Squid). As a result, there may be cases where the number of active vessels exceeds the number of authorized vessels, and active vessel and fishing days counts through 2023 may be substantially higher than those recorded in the Member-side data warehouse. Furthermore, historical data provided by some Members have been used to update the figures for authorized and active vessels.

**Supplementary Table 3. Historical numbers of Authorizations (A.V.) and Active Vessels in the Convention Area**

	2019		2020		2021		2022		2023		2024	
	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active
<b>Canada</b>	1	1	1	-	-	-	-	-	-	-	-	-
<b>China</b>	474	262	592	319	717	413	711	369	736	329	741	259
<b>Japan</b>	440	146	432	138	418	141	408	114	371	160	362	121
<b>Korea</b>	64	21	67	10	76	20	67	20	42	11	41	5
<b>Russia</b>	111	11	72	11	73	11	61	3	64	8	73	14
<b>Chinese Taipei</b>	115	94	110	90	107	96	110	82	104	67	101	70
<b>Vanuatu</b>	4	4	4	4	4	4	4	3	4	2	6	4
<b>Total</b>	1209	539	1278	572	1395	685	1361	591	1321	577	1324	473

**Supplementary Table 4. Historical numbers of Fishing days (Effort) and Catch amounts (Metric Tons) in the Convention Area**

	2019		2020		2021		2022		2023		2024	
	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch
<b>China</b>	31,513	177,755	38,061	240,005	59,033	389,478	52,617	420,370	44,687	332,907	32,828	389,817
<b>Japan</b>	5,621	31,306	5,525	27,094	4,910	23,097	4,450	19,816	3,569	16,301	4,013	34,224
<b>Korea</b>	662	8,449	567	5,993	579	4,447	708	3,478	473	3,179	434	5,885
<b>Russia</b>	233	2,194	107	3,102	300	4,019	36	63	25	58	328	31,226
<b>Chinese Taipei</b>	8,829	86,785	5,849	57,055	5,252	34,157	6,026	42,375	4,825	50,604	4,215	67,284
<b>Vanuatu</b>	373	3,574	280	2,700	247	1,273	168	937	123	1,110	137	2,407
<b>Total</b>	47,231	310,063	50,389	335,949	70,321	456,471	64,005	487,039	53,710	404,949	41,945	530,843

**Supplementary Table 5. Historical numbers of Fishing days (Effort) and Catch amounts (Metric Tons) in the Convention Area for Bottom Fisheries**

	2019		2020		2021		2022		2023		2024	
	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch
<b>Canada</b>	1	22	-	-	-	-	-	-	-	-	-	-
<b>Japan</b>	737	3,210	368	2,045	312	1,429	310	1,876	278	2,240	304	2,096
<b>Korea</b>	35	37	-	-	-	-	-	-	-	-	-	-
<b>Russia</b>	7	-	-	-	7	127	16	47	-	-	-	-
<b>Total</b>	779	3,247	368	2,045	319	1,556	326	1,923	278	2,235	304	2,096

**Supplementary Table 6. Historical numbers of Authorized Vessels (A.V.) and Active Vessels in the Convention Area for Pacific saury**

	2019		2020		2021		2022		2023		2024	
	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active
<b>China</b>	85	62	79	57	79	66	77	63	77	57	76	58
<b>Japan</b>	177	111	181	98	176	109	177	89	147	63	143	90
<b>Korea</b>	15	11	11	10	15	10	19	10	11	6	21	5
<b>Russia</b>	25	4	26	2	24	3	22	1	19	2	23	3
<b>Chinese Taipei</b>	101	91	100	87	98	93	102	81	97	66	95	70
<b>Vanuatu</b>	4	4	4	4	4	4	4	3	4	2	4	2
<b>Total</b>	407	283	401	258	396	285	390	247	355	196	363	229

**Supplementary Table 7. Historical numbers of Fishing days (Effort) and Catch amounts (Metric Tons) in the Convention Area for Pacific saury**

	2019		2020		2021		2022		2023		2024	
	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch
<b>China</b>	8,964	51,404	8,846	44,006	8,924	33,511	9,957	35,477	5,507	39,252	4,767	40,504
<b>Japan</b>	1,733	20,986	2,124	17,430	2,669	17,378	2,527	14,709	1,298	10,608	2,012	28,701
<b>Korea</b>	583	8,375	567	5,993	522	4,365	653	3,438	380	3,107	412	5,866
<b>Russia</b>	187	1,683	62	443	141	574	-	-	11	51	42	286
<b>Chinese Taipei</b>	6,509	83,941	5,450	56,662	5,138	34,043	5,782	42,177	4,613	50,268	4,208	67,280
<b>Vanuatu</b>	276	3,456	280	2,700	238	1,270	164	929	113	1,108	137	2,407
<b>Total</b>	18,252	169,845	17,329	127,234	17,632	91,141	19,083	110,860	11,922	104,394	11,578	145,044

**Supplementary Table 8. Historical numbers of Authorized Vessels (A.V.) and Active Vessels in the Convention Area for Chub mackerel**

	2019		2020		2021		2022		2023		2024	
	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active
<b>China</b>	54	32	71	53	123	108	111	107	110	93	110	106
<b>Japan</b>	68	3	70	1	70	1	70	1	65	-	62	4
<b>Korea</b>	25	-	24	-	23	-	20	-	17	-	19	-
<b>Russia</b>	19	3	38	5	46	4	36	1	35	4	42	12
<b>Chinese Taipei</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Vanuatu</b>	-	-	-	-	-	-	-	-	-	-	1	-
<b>Total</b>	166	38	203	59	262	113	237	109	227	97	234	122

**Supplementary Table 9. Historical numbers of Fishing days (Effort) and Catch amounts (Metric Tons) in the Convention Area for Chub mackerel**

	2019		2020		2021		2022		2023		2024	
	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch
<b>China</b>	5,193	64,446	8,755	92,456	20,151	108,266	17,915	110,856	16,648	48,850	18,759	72,367
<b>Japan</b>	594	-	203	-	193	1	184	-	-	-	166	1
<b>Korea</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Russia</b>	23	508	23	59	93	1,195	10	4	4	1	138	1,431
<b>Chinese Taipei</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Vanuatu</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	5,810	64,954	8,981	92,515	20,437	109,462	18,109	110,860	16,652	48,851	19,063	73,799

**Supplementary Table 10. Historical numbers of Authorized Vessels (A.V.) and Active Vessels in the Convention Area for Japanese sardines**

	2019		2020		2021		2022		2023		2024	
	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active	# of A.V.	# of Active
<b>China</b>	8	32	53	53	112	108	111	107	110	93	110	106
<b>Japan</b>	67	-	69	-	69	-	68	-	63	-	60	3
<b>Korea</b>	21	-	21	-	19	-	17	-	16	-	15	-
<b>Russia</b>	14	2	39	4	44	4	31	1	29	1	43	12
<b>Chinese Taipei</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Vanuatu</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	110	34	182	57	244	112	227	108	218	94	228	121

**Supplementary Table 11. Historical numbers of Fishing days (Effort) and Catch amounts (Metric Tons) in the Convention Area for Japanese sardines**

	2019		2020		2021		2022		2023		2024	
	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch	# of Effort	# of Catch
<b>China</b>	5,193	45,986	8,755	92,679	20,151	237,301	17,915	266,615	16,648	233,161	18,759	261,104
<b>Japan</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Korea</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Russia</b>	3	-	22	2,600	59	2,123	10	12	6	6	148	29,506
<b>Chinese Taipei</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Vanuatu</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	5,196	45,986	8,777	95,279	20,210	239,424	17,925	266,627	16,654	233,167	18,907	290,610

**Supplementary Table 12. Historical numbers of Fishing days (Effort) and Catch amounts (Metric Tons) in the Convention Area for Squid**

	2019		2020		2021		2022		2023		2024	
	# of Active	# of Effort	# of Active	# of Effort	# of Active	# of Effort	# of Active	# of Effort	# of Active	# of Effort	# of Active	# of Effort
<b>China</b>	136	12,163	156	11,705	131	9,807	92	6,830	86	5,884	111	8,793
<b>Japan</b>	32	2,557	39	2,830	31	1,736	24	1,429	27	1,993	31	1,531
<b>Korea</b>	10	44	-	-	10	57	10	55	5	93	4	22
<b>Russia</b>	2	13	-	-	-	-	-	-	1	4	-	-
<b>Chinese Taipei</b>	91	2,320	77	399	51	114	64	244	47	212	6	7
<b>Vanuatu</b>	2	97	-	-	4	9	2	4	2	10	-	-
<b>Total</b>	273	17,194	272	14,934	227	11,723	192	8,562	168	8,196	152	10,353

**Supplementary Table 13. Historical numbers of Authorized Vessels (A.V.) and Catch amounts in the Convention Area for Neon Flying Squid**

	2019		2020		2021		2022		2023		2024	
	# of A.V.	# of Catch	# of A.V.	# of Catch	# of A.V.	# of Catch	# of A.V.	# of Catch	# of A.V.	# of Catch	# of A.V.	# of Catch
<b>China</b>	363	15,919	472	10,540	528	9,945	532	7,209	556	11,644	556	15,842
<b>Japan</b>	127	7,110	130	7,619	129	4,289	116	3,231	105	3,453	103	3,426
<b>Korea</b>	43	37	46	-	4	82	40	40	39	72	40	19
<b>Russia</b>	7	1	28	-	28	-	17	-	18	-	33	-
<b>Chinese Taipei</b>	105	2,844	101	393	99	114	101	198	95	336	93	4
<b>Vanuatu</b>	4	118	4	-	4	3	4	8	4	2	4	-
<b>Total</b>	64	26,029	781	18,552	836	14,433	810	10,686	817	15,507	830	19,291

**Supplementary Table 14. Historical numbers of Authorized Vessels (A.V.) and Catch amounts in the Convention Area for Japanese Flying Squid**

	2019		2020		2021		2022		2023		2024	
	# of A.V.	# of Catch	# of A.V.	# of Catch	# of A.V.	# of Catch	# of A.V.	# of Catch	# of A.V.	# of Catch	# of A.V.	# of Catch
<b>China</b>	280	-	217	324	104	455	1	213	1	-	0	-
<b>Japan</b>	127	-	130	-	129	-	116	-	105	-	103	-
<b>Korea</b>	43	-	46	-	48	-	41	-	40	-	40	-
<b>Russia</b>	7	2	28	-	28	-	25	-	24	0	33	-
<b>Chinese Taipei</b>	105	-	101	-	99	-	101	-	95	-	93	-
<b>Vanuatu</b>	4	-	4	-	1	-	0	-	0	-	0	-
<b>Total</b>	566	2	526	324	409	455	284	213	265	0	830	-

**Supplementary Table 15. The active vessels, catch amounts, and fishing days (effort) for the Pacific saury fisheries in the National Waters from 2019 to 2024**

	2019			2020			2021			2022			2023			2024		
	# of Active	# of Catch	# of Effort	# of Active	# of Catch	# of Effort	# of Active	# of Catch	# of Effort	# of Active	# of Catch	# of Effort	# of Active	# of Catch	# of Effort	# of Active	# of Catch	# of Effort
<b>Japan</b>	183	24,678	1,945	173	12,265	1,077	168	940	102	154	3,355	405	144	13,818	1,864	136	9,987	809
<b>Korea</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Russia</b>	5	720	5	1	310	-	2	36	2	-	-	-	1	-	4	2	528	36
<b>Total</b>	188	25,398	1,950	174	12,575	1,077	170	976	104	154	3,355	405	145	13,818	1,864	138	10,515	845

**Supplementary Table 16. The active vessels, catch amounts, and fishing days (effort) for the Chub mackerel fisheries in the National Waters from 2019 to 2024**

	2019			2020			2021			2022			2023			2024		
	# of Active	# of Catch	# of Effort	# of Active	# of Catch	# of Effort	# of Active	# of Catch	# of Effort	# of Active	# of Catch	# of Effort	# of Active	# of Catch	# of Effort	# of Active	# of Catch	# of Effort
<b>Japan</b>	58	334,058	6,203	60	286,398	7,569	57	302,433	6,439	58	171,808	6,305	57	113,935	6,467	52	78,487	5,524
<b>Korea</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Russia</b>	62	86,085	1,688	96	81,326	2,356	83	86,193	2,093	50	49,890	1,666	60	15,539	1,524	42	5,801	901
<b>Total</b>	120	420,143	7,891	156	367,724	9,925	140	388,626	8,532	108	221,698	7,971	117	129,474	7,991	94	84,288	6,425

**Supplementary Table 17. The active vessels, catch amounts, and fishing days (effort) for the Japanese sardine fisheries in the National Waters from 2019 to 2024**

	2019			2020			2021			2022			2023			2024		
	# of Active	# of Catch	# of Effort	# of Active	# of Catch	# of Effort	# of Active	# of Catch	# of Effort	# of Active	# of Catch	# of Effort	# of Active	# of Catch	# of Effort	# of Active	# of Catch	# of Effort
<b>Japan</b>	58	521,410	6,203	60	614,731	7,569	57	575,841	6,439	58	560,357	6,305	57	570,463	6,467	52	525,278	5,524
<b>Korea</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Russia</b>	56	133,011	1,629	91	312,891	2,928	63	253,629	1,920	46	288,314	2,009	69	544,068	2,851	60	558,053	2,295
<b>Total</b>	114	654,421	7,832	151	927,622	10,497	120	829,470	8,359	104	848,671	8,314	126	1,224,531	9,318	112	1,083,331	7,919

**Supplementary Table 18. The fishing days (effort) and catch amounts and for the Squid fisheries in the National Waters from 2019 to 2024**

	2019			2020			2021			2022			2023			2024		
	# of Effort	# of Catch (NFS)	# of Catch (JFS)	# of Effort	# of Catch (NFS)	# of Catch (JFS)	# of Effort	# of Catch (NFS)	# of Catch (JFS)	# of Effort	# of Catch (NFS)	# of Catch (JFS)	# of Effort	# of Catch (NFS)	# of Catch (JFS)	# of Effort	# of Catc (NFS)	# of Catch (JFS)
<b>Japan</b>	86	28	34,488	50	19	36,010	6	-	28,676	210	227	22,711	8	1	16,745	45	15	17,452
<b>Korea</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Russia</b>	1,288	1	17,617	1,727	-	14,396	619	-	4,835	49	-	105	26	2	379	-	-	-
<b>Total</b>	1,374	29	52,105	1,777	19	50,406	625	-	33,511	259	227	22,816	34	3	17,124	45	15	17,452

**Supplementary Table 19. The number of active vessels for Squid in the National Waters for each active Member from 2019 to 2024**

	2019	2020	2021	2022	2023	2024
<b>Japan</b> (Neon Flying Squid)	10	6	2	11	3	7
<b>Korea</b>	-	-	-	-	-	-
<b>Russia</b>	52	67	57	12	8	-
<b>Total</b>	62	73	59	23	11	7