Original: English/Spanish

SECRETARIAT REPORT ON STATISTICS AND COORDINATION OF RESEARCH IN 2018

Introduction

The activities and information included in this report refer to the period between 1 October 2017 and 13 October 2018 (the reporting period)[1]. All the basic fisheries, biological statistics and compliance related information have been presented by the Secretariat to the SCRS Working Groups during SCRS inter-sessional and species groups meetings. The Secretariat continues to note the continuous improvements in terms of data submission using the ICCAT electronic forms. Regarding the activities conducted by the Secretariat in the most recent years, in addition to the normal activities developed on statistics, publications, data funds management and others, the Secretariat is dedicating, in addition to the preparation of the majority of the datasets required by each assessment, a lot of additional work related to stock assessment activities, whether participating actively in the assessment or coordinating and managing external support to the SCRS work. Also, the statistical work requested to the Secretariat in the last six years, together with a common lack of adherence to deadlines established for data provision, particularly special requests for stock assessment purposes, have constituted an enormous amount of work for the Secretariat. In 2018, it was particularly difficult due to unprecedented number of SCRS and Commission meetings, which greatly limited the capacity of the Secretariat.

1. Statistical and biological information reporting status

The ICCAT Circular #0732/18 from 12 February 2018 established the provisions for reporting fishery statistics and biological data to ICCAT. The reception date of each email (with the respective files attached) was adopted as the official submission date of the Contracting, Cooperating Party, Entity or Fishing Entity (CPC). The deadlines for the intersessional meetings (all requiring finalised data up to 2016) were: Blue Marlin Data Preparatory meeting, 5 March 2018; Bigeye tuna Data Preparatory meeting, 9 April 2018. The general deadline for reporting 2017 statistics (or any required revision to prior years) of all species and fisheries was, 31 July 2018. A tolerance of 24 hours has been given to include all the time zones.

A total of 57 ICCAT CPCs (52 Contracting Parties (CP), plus 5 Cooperating non-Contracting Parties/Entities/Fishing Entities (NCC)) have reporting obligations to ICCAT. For statistical purposes, this corresponds to a total of 75 flag related CPCs (50 CP + 1 CP [16 EU Member States] + 1 CP [4 UK Overseas Territories Member States] + 5 NCC) who have reported information to ICCAT in recent years. The term "flag CPC" was adopted here to refer to those 75 flags.

The Secretariat, for the last five years, has used the SCRS filtering criteria (Filter 1 and 2, described in Addendum 2 to Appendix 8 of 2013 SCRS report, updated by the SCRS in 2017) to validate and accept statistical data received under official formats. The filtering rules are also included in the electronic forms.

For 2017 data, Filter 1 was effectively applied and the results are presented in the SCRS Report Cards (**Tables 1**, **2**, **3**, **4**, and **5,** with a summary in **Figure 1**). The "orange" cells indicate the datasets that have not passed Filter 1. However, many of the rejected datasets were corrected afterwards by the Secretariat, and provisionally (marked for revision) integrated into the ICCAT database system (ICCAT-DB). Filter 2 was implemented and the results presented to the SCRS. Both filters were used on every Task I and Task II dataset received (scenario 2, methodology described in Palma and Gallego, 2015[2]). The filtering criteria to the tagging forms are expected to be tested next year (requiring in advance that, the Secretariat prepares the corresponding databases, forms and develop the data integration tools, for that purpose).

[1] Only data received by the Secretariat in valid formats (version 2018 of the electronic forms, or special formats) and within this period was considered in this report. Information submitted afterwards is not referred to in the report.
[2] Palma C. & Gallego J.L. 2015. Results of applying Filters 1 and 2 to the 2013 statistical data reported during 2014. ICCAT Col. Vol. Sci. Pap. 71(6): 3070-3084.

About 85% of all of the "ST" statistical forms (ST01, ST02, ST03…, ST11) received (about 850 forms in total) during the reporting period were automatically processed, validated and stored, using the new JAVA "automated data processing framework" (nearly 95%, counting only the forms with automatic integration in forms ST01 to ST05). The Secretariat is currently extending this framework to process the remainder statistical forms (ST06 under testing; ST07 through ST10 under planning) and to the conventional tagging forms in the future as soon as the database redesign and electronic tagging forms are properly adapted.

Five flag CPCs have used older SCRS forms to report 2017 data. In all cases these CPCs promptly replaced them with the 2018 version. This is crucial for a timely and effective data provision to the SCRS and the Commission. Thus, the Secretariat reminds CPCs of the Commission's requirement of using the **MOST RECENT** standard electronic forms for data submission.

The overall reporting status for 2017 data, shows that 69 of the 75 flag CPCs (92%) have reported fisheries and biological information for 2017; 56 with catches (75%), and 13 with no fishing activity (17%). No information has been provided by 6 flag CPCs (8%) over the reporting period: Equatorial Guinea, Grenada, Guinea-Bissau, Guinea Rep., Mauritania, Philippines.

1.1 Task I

The two datasets of Task I statistics (T1FC fleet characteristics; T1NC nominal catches) provide yearly based global information on (a) fishing capacity (using form ST01-T1FC), and (b) total catches by species (using form ST02-T1NC), being both forms mandatory for all CPCs. The Secretariat reminds that for T1NC, the statistical sampling areas are now mandatory (maps: www.iccat.int/Data/ICCAT_maps.pdf).

1.1.1 Fleet characteristics (T1FC)

The information requested in form ST01-T1FC has two sub-forms. Sub-form ST01A is used to compile information by individual vessel. Sub-form ST01B, is used to compile information by groups of vessels, but only for small scale vessels (length overall less than 20 meters) not included in ST01A. Only the fishing vessels actively fishing within a given calendar year should be reported in ST01-T1FC.

This structure of the form adopted in 2015, allows to collect more complete and detailed information on effective fishing capacity, fleet structure, and optionally yearly based and gear independent nominal fishing effort (fishing days). However, the "optional" condition of reporting the nominal fishing effort (for example in 2017, about 50% of the flag CPCs reported fishing days) makes it unfeasible to obtain overall effort indicators and compromise valid estimations of total fishing capacity. Having the fishing days for each vessel in both Atlantic and Mediterranean regions would allow to differentiate active from inactive vessels authorised to fish in the ICCAT region. Hence, the Secretariat reiterates the request to make this field obligatory for improving the quality of T1FC data and its potential use in scientific studies.

The T1FC Report Card for 2017 is presented in **Table 1**. For the fourth consecutive year (2014 to 2017) T1FC has been requested on an individual vessel basis, in agreement with the ICCAT vessel record requirements of the Commission for the 11 vessel authorisation lists, which facilitates the cross-validation process. The Secretariat reminds that, this information is also used by the Commission (fulfilling the requirements under Rec. 15-08, which collects previous year vessel activity under some ICCAT fisheries (BFT-E, Tropical species, and, SWO-M). Preliminary summary tables of T1FC were published in Section 6 of the ICCAT Statistical Bulletin (www.iccat.int/sbull/SB44-1-2018/s6.html).

The overall reporting ratio of ST01 for 2017 increased slightly to 83% (62 flag CPCs) with 7 flag CPCs having late submissions. Corrections were made to the information reported by 10 flag CPCs, and, 5 invalid forms should be completely revised. The total number of vessels reported as being actively fishing in the ICCAT Convention area between 2014 and 2017 (after eliminating possible duplicates) were about 13,200, 15,000, 6,200, and 8,800, respectively. For 2016 and 2017, the decrease is mostly associated with the no reporting of smaller scale vessels (LOA < 20 m).

The vessel sizes (LOA) ranged from 5 to 220 meters, including the small scale vessels reported in sub-form ST01B by five flag CPCs. About 14% of the vessels (mainly small scale vessels) reported in T1FC were not found in the ICCAT vessel record database (with about 52,200 vessels registered). Some cases could be related to different vessel characteristics being reported in the T1FC and in the ICCAT vessel record. Solving these inconsistencies will require additional work.

1.1.2 Nominal catch (T1NC)

Task I nominal catch data (T1NC) which contains landings and discards (dead and alive) by species, stock, gear, fleet and year (all in live weight), is a "key" dataset used in all the stock assessments. Thus completeness and timely availability datasets are essential for the SCRS work. The T1NC compiles (form ST02-T1NC) fishery statistics using two sub-forms. Sub-form ST02A, compiles positive catches (separating landings, dead discards, and, live discards). Sub-form ST02B, compiles a "zero" catch matrix (major species/stock by gear) with positive fishing effort of active gears that have operated within the year. This approach, approved by the Commission [Res. 15-09], has greatly normalised and simplified the "zero" catch reporting obligation. Only one "zero" is now required per major species/stock and gear combination.

The T1NC Report Card for 2017 is presented in **Table 2,** presenting only the CPCs that reported positive catches (excluding SCRS catch estimations) and the "zero" catches. A summary of the "zero" catches reported by flag CPCs and major species/stock is presented in **Table 14**. All the T1NC datasets received from 69 flag CPCs (92%), including the 9 flag CPCs with late-reports, were processed and presented to the SCRS. This includes some datasets corrected by the Secretariat (orange cells, marked for revision) associated to 7 flag CPCs. Only 6 flag CPCs (8%), have not yet reported this information. The total T1NC nominal catches reported (764,430 t) surpasses by about 4% the average of the last five years (738,030 t), noting that some important flag CPCs (e.g.: Mauritania and Panama longline fleet) have not yet report T1NC statistics.

1.2 Task II

Task II statistics of catch-effort and size information are more detailed in terms of time (month) and area (1x1, 5x5, or, sampling areas), and often reflect a partial coverage associated to the total production (TINC). Task II information is the main source of data used by the Secretariat to estimate important datasets, such as CATDIS, EFFDIS, CAS, and CAA by species, which are frequently used by the SCRS and the Commission. ICCAT CPCs must report three types of Task II information under their respective electronic forms:

- T2CE (catch & effort): using form ST03-T2CE,
- T2SZ (size samples): using form ST04-T2SZ,
- T2CS (catch-at-size): using form ST05-T2CS (only for: ALB, BFT, BET, YFT, SKJ, SWO)

Or alternatively, any of the special agreed formats convened by the Secretariat and an ICCAT CPC. There is also a special form (ST06-T2FM) used to report bluefin tuna harvested on farming facilities. These compiled datasets can be considered a special type of Task II size information. However, this information is treated separately (given the growth at the farms) and used in the stock assessment after discounting growth at farms.

As recommended by the SCRS in 2017, the form ST05-CAS was renamed to ST05-T2CS to avoid misunderstandings with the CAS acronym used to refer to the overall species based catch-at-size estimation (CAS) made by the Secretariat (all flags all years) and used in the stock assessments.

1.2.1 Catch and effort

The T2CE Report Card for 2017 is presented in **Table 3**. Except for 6 forms, invalid and requiring revisions, the rest of T2CE information received was integrated into the ICCAT-DB. A total of 56 flags CPCs (75% reporting ratio), including 4 late-reporting flag CPCs and 7 flags with corrections on their data, have reported T2CE. 19 flag CPCs (25%) have not submitted T2CE statistics for 2017.

All the T2CE information was reported by month and its majority with the geographical resolution required by the SCRS (1x1 or better for surface fisheries, and, 5x5 or better for longline fisheries). The number of datasets reported with the exact geographical location (Latitude/Longitude) continues to increase. The number of species reported in T2CE datasets has also increased lately, in particular for the pelagic shark species. For the most recent years, the tendency of reporting more detailed and complete T2CE has continued. Since 2017, T2CE data without information on fishing effort has not been integrated into the ICCAT-DB. The revisions will be requested to the corresponding flag CPCs.

The Secretariat continues with a T2CE data recovery task, aiming to complete the gaps identified, and replacing "poor" datasets by the ones the SCRS recommends; fishing effort complete, by month, and, 5x5 for longline gears/1x1 for surface gears. This task should continue in the future, and the Secretariat recommends a more active collaboration of CPC scientists and Statistical Correspondents.

An important part of the Secretariat estimations (CATDIS, EFFDIS, CAS and CAA) depends on the quality of T2CE. However, some deficiencies persist in some datasets reported, being the most problematic ones:

- Non-standard fishing effort types for certain gears (e.g.: for longline "hooks" is the standard);
- Incomplete or partial species catch composition;
- Double counting of fishing effort, where same fishing effort is being reported several times in different forms for the same gear.

The Secretariat recalls that, as recommended by the SCRS several years ago, T2CE statistics should be in all cases reported with the most complete species catch composition. This rule will avoid duplication of fishing effort, for the same fleet-gear-year strata, when reporting catches for different species in different forms.

1.2.2 Size information

The T2SZ Report Card for 2017 is presented in **Table 4**. This Report Card also contains the datasets of T2CS (catch at size flag CPC estimates, for the six mandatory species) and size information T2SZ. It doesn't contain the bluefin tuna size samples arriving in form ST06-T2FM, or the bluefin tuna stereoscopic camera measurements. The reason for this is because, neither of these two datasets currently have all the required conditions (formats, databases, forms, import/validation code, etc.) to be merged within the Report Card automatic generation process. The inclusion of these two datasets into the T2SZ Report Card is made manually after inventorying and checking all the datasets reported.

A total of 52 flag CPCs (69%), including 5 CPCs with submissions after the deadline and 6 flags with corrections on their data, have reported T2SZ. Except for 40 forms (19 of type ST04 and 11 of type ST05) all the T2SZ forms passing filter 1 were validated and stored in ICCAT-DB. Some of the pending T2SZ forms will be corrected later on with the respective CPC. 23 CPCs (31%) did not submit T2SZ information for 2017.

Since 2017, the SCRS require that all the T2SZ/T2CS datasets be reported by month, and, with the highest geographical stratification possible (1x1, 5x5, 5x10, and, 10x10 grids only), maintaining the ICCAT Sampling Areas for biological port sampling. Hence, an improvement was observed in the time resolution (all arrived by month), and in the use of smaller geographical grids (1x1, 5x5, 5x10) for the data submitted. The size/weight class bins reported for 2017 have followed the SCRS recommendation on size structures (1, 2, and 5 cm) and weight structures (1 kg). Only one flag CPC has reported (for various species) size class bins of 1 cm but apparently they seem to be "mm". This is a type or error difficult to identify under the normal validation criteria (requires clarification from the data providers).

Following Resolution [11-14] on the standardized presentation of scientific information, the SCRS developed the Standard Catalogues on data availability for a period of years, for all the major species and stocks. All the catalogues (27 tables) are presented in **Appendix 1**. These catalogues show the information for a 30 year period, grouped by flag/gear group combinations, in terms of Task I nominal catches (ranked by importance in descending order), and the availability of Task II data catch and effort, size sampling, and catch-at-size, by year. This instrument, which summarises very large amounts of information per species/stock, shows the level of data completeness/availability, and the data gaps, for the most important fisheries. In **Appendix 1** the catalogues are provided for the ten major tuna and billfish species and three main sharks stocks only. The catalogues for the main small tuna species were prepared for the Small tunas Working Group intersessional meeting and updated for the SCRS.

Following the work started last year, the Secretariat continued with a scoring system for each species using the information on the catalogues and applying a weighting function based on fishery importance in terms of total catch. Scores range from 0 to 10, where higher values indicate higher availability of information. The scoring methodology is still being evaluated and provisional (e.g.: comparing results of alternative score functions), but it helps to consolidate and present in a unique table, millions of records reported to ICCAT over the last 30 years for those 13 species. Also relevant is that the scorecard coincides with how the SCRS categorises each species/stock in terms of fisheries data availability (data-poor/data-rich concepts). For demonstration purposes the scorecard on fisheries data availability (scores for all the 27 catalogues) is shown in the first page of **Appendix 1**.

1.3 Tagging

1.3.1 Electronic tags

The laboratories conducting tagging campaigns with electronic tags (pop-up, archival, etc.) in the Convention area have informed the Secretariat of 274 releases and 80 recoveries made in late 2017 and during 2018.

1.3.2 Conventional tags

During 2017-2018, several Contracting Parties have reported the tagging of 93,972 fish with conventional ICCAT tags, and 13,398 recoveries (**Table 6**).

As in previous years, the Secretariat provided conventional tags for tagging experiments to the ICCAT scientific community (individual scientists or research institutions). From September 2017 to September 2018, the Secretariat distributed 3,225 conventional tags, primarily under the tagging projects of the ICCAT Atlantic Wide Research Programme for Bluefin Tuna (GBYP) and to various scientific institutions (**Table 7**).

This year, the forms TG01 for summary of tagging activities, and TG02 for conventional tags, were updated following the standard rules of the Statistic forms with harmonized header and structure in the three ICCAT official languages, and adapted for automatic processing. These two forms include validation of ICCAT codes on the data provided, and the fields considered irrelevant were removed. Form TG03 for electronic tagging data is still pending review as it is necessary to adapt the current structure of the Secretariat's tagging database taking into account the electronic tagging projects of the ICCAT GBYP and the ICCAT Atlantic Ocean Tropical Tuna Tagging Programme (AOTTP).

1.3.3 Tagging lottery

National laboratories award prizes or give gifts to people who recover tags to encourage the return of recovered tags. In support of these programmes, ICCAT organizes on a yearly basis a lottery carrying prize money of $500.

In the latest ICCAT draw, which was held on 2 October 2017, prizes were awarded for three tags for each of the following categories: small tunas, temperate tunas and sharks, respectively.

The winning tags were as follows:

- Small tunas: The winning tag carried the number ATP038795, and was recovered from an Atlantic little tunny (*Euthynnus alletteratus*/LTA) by a crew member of a Senegalese vessel, 81 days after it was attached. The tagging was carried out during the Spanish campaigns.
- Temperate tunas: The winning tag carried the number AAB000926, and was recovered from an albacore (*Thunnus alalunga*/ALB) by a Spanish citizen, 50 days after it was attached. The tagging was carried out during the Spanish campaigns.
- Sharks: The winning tag carried the number 354658, and was recovered from a blue shark (*Prionace glauca*/BSH) by a Spanish citizen. The tagging was carried out during the United States campaigns.

No reward has been given this year to the billfish category.

Once again this year an additional draw took place supported by the GBYP. This draw carries three prizes, two for €500 and one for €1,000 for recoveries of bluefin tuna tags *(Thunnus thynnus*/BFT) only. The winning tags and their rewards were as follows:

- €1,000: the winning tag carried number HM096670, and was recovered by a Croatian citizen, 119 days after it was attached. The tagging was carried out during the Slovenian campaigns.
- €500: the winning tag carried the number BYP074321, and was recovered by an Italian citizen.
- €500: the winning tag carried the number BYP013344, and was recovered by a Spanish citizen.

A second additional draw took place supported by the AOTTP. The draw carried a cash prize of €500 for each of the main species in the tropicals category. The winning tags and their rewards were as follows:

- Bigeye tuna (*Thunnus obesus*/BET): the winning tag carried the number ATP038056, and was recovered by a crew member of a Côte d'Ivoire vessel, 49 days after it was attached. The tagging was carried out during the Spanish campaigns.
- Skipjack (*Katsuwonus pelamis*/SKJ): the winning tag carried the number ATP029772, and was recovered by a crew member of a Senegalese vessel, 27 days after it was attached. The tagging was carried out during the Spanish campaigns.
- Yellowfin (*Thunnus albacares*/YFT): the winning tag carried number ATP041228, and was recovered by a crew member of a Côte d'Ivoire vessel, 3 days after it was attached. The tagging was carried out during the Spanish campaigns.

1.4 By-catch

For the first year, it was requested that most by-catch data be submitted using a new simplified version ST09-NatObPrg form. The Sub-Committee on Ecosystems made several suggestions to the 2017 form version, and presented the results to the Sub-Committee on Statistics in 2017, which endorsed the forms and recommended that they be adopted by the SCRS for use in 2018. In 2018, the Secretariat has received submissions from 21 CPCs and Cooperating parties (an increase of 5 from 2017). As was the case in previous years, several forms were submitted with very little or no information. In addition, there appeared to be some confusion about which form to use: data submitted in 2018 was submitted to the Secretariat using three different versions of the ST09 form. The need to improve the quality and completeness of by-catch data information is discussed below.

Table 8 provides a summary of ST09-NatObPrg data reported for the 2017 by discard fate and species group including sharks, sea turtles and seabirds. **Table 9** contains T1NC data for by-catch species for 2017. Several CPCs have indicated that they provide the catches of by-catch species in their Task I submissions as well as in the ST09 forms.

1.4.1 Sharks

Shark data was submitted through ST09 forms and through Task I. These data are summarized in Tables 8 and 9, respectively.

1.4.2 Sea Turtles

A summary of sea turtles information submitted during 2018 in ST09 forms is provided in **Table 10**. The Secretariat received much of the by-catch information from submitted ST09-NatObPrg forms. However, in 2017 a CPC submitted information of sea turtles catches in the ST02 form for T1NC (summary in **Table 9**). As T1NC compiles total catches in live weight for all fleets, it is suggested that interactions/catches of sea turtles, seabirds be reported only through form ST09, with detailed information how total fleet interactions are estimated by national scientist.

1.4.3 Seabirds

The Secretariat received information on seabird mitigation, interactions, and release fate on forms summarizing seabird mitigation measures (CP44) and the ST09-NatObPrg forms, as was requested since 2016. A summary of the information submitted on ST09 forms for seabirds is provided in **Table 11**.

2. Data recovery and improvement

2.1 Revisions and updates

Several CPCs have submitted historical revisions to T1NC for tuna and tuna-like species, sharks and other by-catch species. Part of those revisions (bigeye, yellowfin, skipjack, blue marlin, etc.), were made at the Bigeye tuna and Blue Marlin Data Preparatory Intersessional meetings (please refer to meeting reports for details). Some gaps were also completed and unclassified gears properly discriminated. Many CPC scientists were involved with the Secretariat in these revisions. This joint effort has greatly contributed to the T1NC improvements of these species, and, this type of joint work should be recommended to the other ICCAT Species Groups. All the T1NC updates are summarised in **Table 12**, which contains all the revisions with the supported SCRS documents and already adopted by the Tropical tuna and the Billfish Species Groups. There are however, some official T1NC datasets (**Table 13**) reported for years before 2014, without a scientific document. These series would require an SCRS approval.

For T2CE, the largest revision was presented by EU-France which splits the FIS (FRA+CIV+SEN) combined BB and PS fleets (1980 to 1990) into three fleet series. The Ghanaian BB and PS series of T2CE (1996 to 2005), estimated during the 2013 Intersessional meeting of the Tropical tunas Species Groups, held in Tenerife (see report) was finally adopted by the Group. All the datasets recovered, adopted and now stored in the ICCAT-DB are presented in **Table 15**.

The Secretariat has also received a large set of historical revisions for T2SZ. The major ones were from Chinese Taipei longline fishery (1981-2007 on bigeye tuna), and, a full revision of the size samples of the European associated BB and PS fisheries (fleets: ESP, FRA, PAN, GTM, SEN, CPV, etc.) from 1980 to 2017 and for the three major tropical tuna species and the by-catch of albacore tuna, frigate tuna and little tuna. The above datasets (detailed in **Table 16**) were adopted by the respective species groups and integrated into the ICCAT-DB.

2.2 Additional By-catch information

In addition to by-catch data received on ST09 forms, the Secretariat received information regarding by-catch and on new national observer programmes from other sources. Regarding recommendations Rec. 10-09 and Rec. 11-09 on interactions with sea turtles and seabirds, respectively, one CPC, EU-Spain submitted a separate report of several research projects in which observations have been made for scientific purposes on the interaction between fishing activities and sea turtles in the area of the ICCAT agreement: the raw data from this report were recorded. In addition, the Secretariat received information on seabird mitigation measures CP44 from Chinese Taipei, EU Malta, Korea, Libya, South Africa, and Turkey. 18 CPCs provided information on ST-11 forms describing new information on observer programmes.

3. ICCAT databases

The ICCAT database information system (ICCAT-DB) is a relational database management system (RDBMS severs: MS-SQL 2008R2 as the main server & MariaDB 10.2 for various purposes) with 30 databases built to manage all the structured information received by the Secretariat. It has various frontend/backend tools including, client applications developed mostly with Java technologies, SQL scripts, and, some residual VBA tools. These tools are used to interact with the information (validation, transformation, processing, statistical analysis, data mining, standard outputs, etc.) and for data dissemination (web, ICCAT publications, meetings data provision, etc.). In 2017, the Secretariat started the RDMBS server migration (MS-SQL 2008R2 to MSQ-SQL 2016) and plans to finalise this task during 2018 and the beginning of 2019.

In addition to the statistical and scientific information managed, the ICCAT-DB system also manages a large portion of the information associated with the Commission's compliance requirements. Since 2009, the workload of compliance-related information, mainly in response to the increase of regulatory measures has steadily increased the database management and related tasks (control, verification, storage and backup).

The JAVA project was implemented in two phases, phase 1 (March 2015 to February 2016) and phase 2 (April 2016 to July 2017) and is now concluded. All the main tasks including the migration of 12 applications, development of 2 new databases, various improvements to the ICCAT-DB system, improvements made to specific parts of the applications developed in phase 1, and tools to automate data integration, were accomplished. The ICCAT Statistical Online Reporting System is a web application developed by the Secretariat during 2017 to integrate, validate, and store statistical forms online. Following the SCRS recommendation, this web application was deployed online on April 2018 (as a prototype) for testing by ICCAT Statistical Correspondents during 2018. Only three users did some testing over the last three months. The Secretariat recommends extending the testing period and encourages CPCs to participate. Meanwhile, the Secretariat is improving this application by including new technologies learned from the FORS feasibility study (e.g. REST API web-services implementation, using Angular 6 to implement the client side of the web application). The full documentation associated with the ICCAT-DB is being developed and it is composed of various elements including database manuals, "javadocs" for JAVA documentation, user guides, and the REST API documentation. This work is being now continuously merged and updated in parallel with the improvements made to the ICCAT-DB.

The Secretariat continues improving all the databases (statistics, tagging, compliance, etc.), aiming to adapt them to the future work on the ICCAT Online Reporting System. The Secretariat is also working on the replacement of the stand-alone MS-ACCESS databases with Task II data published on the ICCAT website (T2CE: "t2ce.mdb", T2SZ/CS: "t2sz.mdb") by equivalent and more efficient versions made with the SQLite 2.5+ database engine. The current functionality available in the MS-ACCES databases will be replaced by developing equivalent tools in R (libraries) and JAVA (applications).

3.1 Statistics

3.1.1 Task I and Task II

All the electronic forms used to collect Task I and Task II data (ST01-T1FC, ST01-T1NC, ST03-T2CE, ST04-T2SZ, and ST05-CAS, ST06-T2FM) were updated to version "2018a" to incorporate the required changes of the SCRS (codes, structures, filtering criteria, etc.). The respective databases were updated accordingly. The automatic data processing framework already integrates all those six forms. The Secretariat is working to integrate information received in forms ST07 trough ST10, and also information received in the electronic tagging forms (forms TG01, TG02 and TG03). Extension of this automatic integration framework for all the "ST" and "TG" forms will occur progressively (2019 and beyond) due to its complexity.

As in previous years, the Secretariat is proposing two major improvements to the ST forms adopted by the SCRS. A generic one, (applied to all the ST forms) recommends that the "Content" field (header section) be able to differentiate NEW data as "partial" and "total" (i.e. replace "NEW" by "NEW (full)" and "NEW (partial)". The second one has to do with the ST03-T2CE form, which proposes to move the fishing mode (FAD/FSC) field from the species catch composition section (PS tropical fishery uses a special agreed format, so no PS submissions were ever received using this form) to the record-based section. The gap remaining should be replaced by the product type (number, round weight, gilled-gutted, etc.). This approach will give more flexibility to report each species in the species catch composition section, in weight units and/or number of fish that is appropriate for each case. These improvements, if approved, will be included in the 2019 forms version.

3.1.2 Catch distribution (CATDIS)

The Secretariat continues to improve the CATDIS estimations in two main fronts, the level of detail and the automation process aiming to reduce the time to estimate it. A full revision of CATDIS was made available in August 2018 for the nine-main species and includes all the historical revisions of T2CE catch series, and changes in Task I catches. The resulting maps were published in the ICCAT Statistical Bulletin Vol. 44(1): www.iccat.int/sbull/SB44-1-2018/index.html.

The historical T2CE recoveries before 1980 have been limited, in general. Thus, while there is a plan to produce the CATDIS by month, the T2CE data series before 1980 is incomplete and in many cases aggregated by year or trimester, which restricts this task. The inclusion in CATDIS estimations of four additional species: spearfish (SPF), blue shark (BSH), shortfin mako (SMA) and porbeagle (POR) is pending due to the lack of sufficient information in T2CE for these species (**Appendix 1**).

3.1.3 Catch at size/Catch at age

The catch-at-size (CAS) database is complete and functional, with an active connection between the size data and the substitution tables used for the CAS estimation. As required, the Secretariat updated the overall CAS estimations for the stocks evaluated by the SCRS in 2018, namely the CAS and catch-at-age (CAA) matrices for bigeye tuna.

3.1.4 FAD forms

In 2014, a new form (ST08-FadsDep) was created and distributed in response to Rec. [13-01], paragraph 2. This form was designed to capture information on the number of FADs deployed on a quarterly basis, by FAD type, indicating the presence or absence of a beacon associated to the FAD. This form was modified in 2016 and again in 2017 to include additional information pursuant to Rec. [15-01] and subsequently, Rec. [16-01], paragraph 23. In addition to the information provided on the ST08 forms, CPCs were also requested to submit FAD Management plans according to paragraph 18 of Rec. [16-01]. Very few countries fishing for tropical tunas submitted information about their FAD use and their FAD management plans. The information received by The Secretariat on ST08 forms on FAD deployments and on FAD Management Plans is summarized in **Appendix 2**.

3.2 By-catch/observers forms

Generally, the picture of what and where by-catch interactions are occurring, the total magnitude of by-catch, and what mitigation measures are being applied to avoid by-catch is incomplete, and what mitigation measures are being applied to avoid by-catch. Some of the problems with by-catch reporting on the ST09 form are discussed below but reporting on mitigation measures is also incomplete: submitting CP44 forms is considered an annual requirement but only five CPCs submitted forms in 2018.

The data submitted on ST09 form will have limited utility until the number of CPCs submitting data using it is consistent, and the form is standardized. The number of CPCs reporting on the form has varied over time so that the data collected in the form cannot be used to make any inferences about total by-catch trends; when more countries report data or the reporting for each country is more complete, then there is an apparent increase in by-catch that is not real (and vice versa). The need to standardize the form, and to cease modifying it is important from a secretarial perspective because importing and validating the data to a database requires a computer programme, due to the fact that the form has undergone many revisions, a single computer programme to import the data contained in it cannot be easily applied because each new form will require a different programme. In 2018 alone, some data were reported to the Secretariat using three different versions of ST09. If the desire is for the Secretariat to house a database that might be used for the analysis of by-catch information, including those indices proposed in the Ecosystem Report Card then the problems of consistent by-catch reporting and standardizing the form need to be resolved in order to provide the most useful information to the SCRS.

3.3 Other Stereoscopic cameras size sampling

Since 2014, CPCs start reporting size measures of eastern bluefin tuna at the caging transfers using stereo video camera recording systems. In 2015, an electronic form (ST06-T2FM) for data input was made available for CPCs to submit the stereoscopic camera size sampling data. For 2018 size and estimated weight data have been received from CPCs with active bluefin tuna farms including EU-Croatia, EU-Malta, EU-Spain, Morocco, Tunisia and Turkey.

3.4 Compliance

In recent years, several compliance-related measures adopted by the Commission include several reporting requirements of various kinds on Contracting Parties. The Secretariat maintains databases for these sets of information separately from the traditional fishery statistics (Tasks I and II). Since 2011, following the

Commission's adoption of the Confidentiality Data Policy, the Secretariat has provided compliance-related information to the SCRS to fill gaps, complement or cross-check fishery statistics. This section of the report includes the available data that has been summarized for the SCRS in 2018.

3.4.1 ICCAT Vessel record

The Secretariat maintains the ICCAT database on vessel record up-to-date (Recs [11-03], [11-12], [12-03] and [12-06]), including a total of 11 Vessels Registry Lists requirements. Since 2015, the ICCAT vessel record database is daily synchronised with the t-RFMOs Consolidated List of Authorized Vessels (CLAV) and the electronic Bluefin Catch Documentation Program (e-BCD). In coordination with CPCs, the Secretariat also carries out a continuous revision and update of the ICCAT vessel record database.

3.4.2 Bluefin tuna fisheries

Recommendations [14-04], [14-05] and [06-07] establish several reporting requirements for CPCs fishing bluefin tuna:

- List of vessels authorized to catch eastern bluefin (Para. 52 of Rec. [14-04])
- List of other bluefin tuna vessels authorized to operate in the eastern bluefin tuna fishery (Para. 52 of Rec. [14-04])
- Detailed information on bluefin tuna catches in the eastern Atlantic and Mediterranean in the preceding fishing year (Para. 56 of Rec. [14-04] and Para. 1 of Rec. [15-08]).
- Weekly eastern bluefin tuna catch reports by vessel and traps (Para. 66 of Rec. [14-04])
- Monthly eastern and western bluefin tuna catch reports by flag (Para. 67 of Rec. [14-04] and Para. 24 of Rec. [14-05], respectively)
- VMS messages (Para. 5 of Rec. [07-08] and Para. 87 of Rec. [14-04])
- List of bluefin tuna traps (Para. 54 and 55 or Rec. [14-04])
- Bluefin tuna farming facilities (Para. 9b) of Rec. [06-07])
- Bluefin tuna farming reports (Para. 5 of Rec. [06-07])
- The use of stereoscopic cameras systems in the context of caging operations (Para. 83 and Annex 9, Rec. [14-04])
- List of ports in which vessels are authorized to land and/or tranship eastern bluefin tuna (Para. 59, 63 of Rec. [14-04])
- Data and information collected under each CPCs observer programme (Rec. 14-04, Para. 88).

3.4.3 VMS messages

The VMS information received under Rec. 14-04 consists of a vessel ID (name, flag, radio call sign) and a position every four hours. This information can, in theory, be used to infer fishing effort distribution and intensity. **Figure 2** shows the number of messages received in each 1ºx1º rectangle from 9 September 2017 to 7 September 2018 (reporting period). The plot represents only the Mediterranean Sea VMS messages that originated at sea.

In the area of VMS, it is necessary this year to highlight the system upgrade that has been carried out over the course of 2018. The version THEMIS 4 has been replaced by THEMIS 5. This change was absolutely necessary as technical support is no longer provided for the version THEMIS 4. For THEMIS 5, a full system upgrade was required involving modification of the working environment, as well as the application viewing interface and the way of working with the tool, with the addition of new operational components. The local JAVA application has been replaced by a much more flexible, powerful and accessible environment that maintains all the security and autonomy requirements of the previous version.

This has been a joint effort between the CLS staff and the VMS Program Manager at the Secretariat. In late April, a data migration was prepared to create a test environment where the validity of these data was to be verified in the new interface, as well as the functioning of the viewing system. Once this work had been concluded, the definitive version was prepared for installation at the Secretariat. The upgrade was concluded in mid-July when a CLS technician came to the Secretariat to make the final adjustments to the installation in situ and to provide training on the new application. In addition, together with the Secretariat's IT Specialist, this opportunity of the upgrade was used to improve the VMS related systems. The firewall that controls access to VMS was upgraded to a newer version and a fiber optic internet connection was installed to speed up service.

3.4.4 Bluefin Catch Document (BCD) and electronic BCD

In compliance with Recommendation [11-20], the Secretariat receives copies of bluefin tuna catch documents that are intended to track bluefin tuna from the catch location to the market. **Table 17** summarizes the BCD catches (weight and number) currently available (as of 12 September 2018). In 2016, with the implementation of Rec. 15-10, the eBCD system become mandatory on 1 May 2016. In 2017/2018 the Secretariat continues to work with the eBCD Technical Working Group on further developments and support for the eBCD system.

3.4.5 Bluefin catch reports

Under Recommendation [14-04], bluefin catch reports are sent to the Secretariat. **Table 18** and **19** summarizes the information available from the weekly and monthly catch reports (as of 12 September 2018), respectively.

3.4.6 Caging declarations

Caging declarations are submitted by farming Contracting Parties in compliance with Recommendations [06-07] and [14-04]. The caged amounts reported by different fleets and introduced into cages are shown in **Table 20**. Data shown represents data submitted up to 18 September 2018. Recommendation [11-20], which entered into force in June 2012, also requires CPCs to submit the amounts remaining in cages from the previous year, and Recommendation [06-07] requires a summary report of amounts farmed, as well as quantities marketed, mortalities and estimated growth.

3.4.7 Statistical Document Programme

Recommendations [01-21] and [01-22] track international trade of certain types of fish products of bigeye and swordfish, under the ICCAT statistical document programme. **Table 21** summarises the number of biannual reports (SD: statistical documents; RC: re-export certificates) received from ICCAT CPCs during the reporting period. **Table 22** and **Table 23** compares (swordfish and bigeye, respectively) for the period 2010 to 2017 (2018 is preliminary) current Task I nominal catch against trade statistics (SD's and RC's, in product weight) received during the reporting period. In 2018 a summary of bigeye tuna trade information was provided to the Tropical tunas Working Group, however due to issues with the biannual reporting schedule that is not consistent among CPCs, it was of limited use during the 2018 Bigeye Stock Assessment.

3.4.8 Transhipments

Recommendation 16-15 established a programme to monitor at-sea transhipments by large-scale longliners. The amounts transhipped are reported in **Table 24**. Note that, there are many product types for which there are no conversion factors to a common weight unit.

3.4.9 Bluefin Tuna Regional Observer Programme (ROP-BFT)

The data sets from this programme have been made available by the implementing consortium to the Bluefin Working Group.

3.4.10 Bluefin Tuna Farming Operations

In 2017 the Secretariat presented an updated review of the size at harvest of bluefin from farming operations (Ortiz 2017[3]). This information was used in the 2017 Bluefin Stock Assessment.

[3] Ortiz M. 2017. Update review of bluefin tuna (*Thunnus thynnus*) size and weight measures taken with stereo video cameras at caging operations in the Mediterranean Sea 2015. ICCAT Coll. Vol. Sci. Pap. 73(7): 2289-2298.

3.5 By-catch data

The ICCAT by-catch meta-database has been updated to the end of 2017 and uploaded to the ICCAT website for use by interested Parties (www.iccat.int/en/ByCatch.htm). These resources will facilitate the provision of by-catch data to the Working Groups for analysis.

3.5.1 Observer data

In 2018, to reflect the requirements stipulated in Rec. [16-14], the CP45 form was replaced by the ST11 form. In 2018, CP45 forms were received by Japan on the CP45 Excel form and from Croatia on the older pdf form. Any information included in CP45 was taken into consideration by the Secretariat for the purpose of gathering data on observer programmes. In 2018 ST11 forms were submitted by 14 CPCs.

In accordance with Recommendations 13-07 and 14-04, data collected under the national bluefin tuna observer programmes were also submitted to the Secretariat. For this reporting period it had been requested that this data be submitted using forms ST01-T1FC, ST02-T1NC, ST03-T2CE, ST06-T2FM. As such, this information is described elsewhere in this document although some data has been submitted using the ST09-NatObPrg forms. The EU in particular (Cyprus, France, Greece, Italy, Malta and Portugal) and Iceland provided information from their bluefin tuna observer programmes using the ST09 forms.

3.6 FAD management plans

The *Recommendation by ICCAT on a Multi-Annual Conservation and Management Programme for Tropical Tunas* [Rec. 16-01] states that each year by 31 January, CPCs with purse seine and baitboat vessels fishing for bigeye, yellowfin and skipjack tunas in association with objects that could affect fish aggregation, including FADs, shall submit Management Plans to the Executive Secretary for the use of such aggregating devices by vessels flying their flag. The elaboration of the plan in Annex 6 provides an extensive list of criteria that must be included in the Plan.

In 2018, ST08 forms were received from 9 CPCs. Of these, 3 reported not using FADs. Of the remaining 5, 2 reported their 2016 data. Data reported for the 4 remaining CPCs are summarized in **Appendix 2**. Some of the requirements for the Plan are covered by the FAD data collection forms (ST08-FAD). Belize, El Salvador, EU.France, and EU.Spain have submitted FAD management plans for the reporting period.

4. Work in Support of the SCRS Intersessional Meetings

The main task of the Secretariat is providing full support for all intersessional and annual meetings of the SCRS including provision of the fisheries statistic data (Task I, II, tagging) and auxiliary data requested by the Working Groups. The Secretariat also provides scientific support in collaboration with scientists and modelers for all the assessment methods, normally following an intersessional work plan approved by the Species Groups/Sub-Committees/Working Groups. During the meetings the Secretariat also collaborates with the compilation and integration of results, creating Status and Kobe plots, projections, auxiliary analysis and the backup of all analyses and main results in support of the management advice provided by the Groups. Finally, in collaboration with Rapporteurs, the Secretariat provides support for research work plans, Call for tenders and other available scientific funds for research in general.

During the 2018 the Secretariat provided support to the following SCRS meetings:

- Blue Marlin Data Preparatory meeting
    - The meeting was held in Madrid, Spain, 12-16 March 2018.

- Small Tunas Species Group intersessional meeting
    - The meeting was held in Madrid, Spain, 2-6 April 2018.

- Bluefin tuna and North Atlantic Swordfish Management Strategy Evaluation (MSE)
    - This meeting was held in Madrid, Spain 16-20 April 2018. The BFT and SWO Working Groups meet jointly for the first two days of the meeting, and then proceed separately focusing on MSE items for each stock.

- Bigeye tuna Data Preparatory meeting
    - The meeting was held in Madrid, Spain, 23-27 April 2018.

- Meeting of the ICCAT Working Group on Stock Assessment Methods
    - The WGSAM met in Madrid, 7-11 May 2018.

- Meeting of the Standing Working Group on Dialogue between Fisheries Scientists and Managers
    - The meeting was held in Funchal Portugal, 21-23 May 2018.

- Sub-Committee on Ecosystems intersessional meeting
    - The Sub-Committee on Ecosystems Intersessional meeting was held in Madrid, 4-8 June 2018.

- Blue Marlin Stock Assessment session
    - The meeting was held at the RSMAS University of Miami in Miami, 18-22 June 2018.

- Shark Species Group intersessional meeting
    - The meeting was held in Madrid, Spain, 2-6 July 2018.

- Bigeye tuna Stock Assessment session
    - The meeting was held at AZTI-Tecnalia in Pasaia, Spain, 16-20 July 2018.

5. Infrastructure and technology

The actions that have been carried out since the last report of 2016-2017 are described below, which have improved the management and specifically the security of the ICCAT networks. IT provides the support and maintenance for the ICCAT networks as well as the web, cloud and connection services for the staff – including new members of the Secretariat – and for scientific and Commission meetings, held both at the Secretariat and outside of the Madrid headquarters.

5.1 ICCAT Network Servers

The resources of the ICCAT virtualized servers are currently concentrated in 3 HP Proliant machines. In 2017 the total memory was increased to 292 GB and there was an upgrade to version 6 Plus of VMWare. This type of license will enable, among other actions, shifting of the virtual machines from one host to another without the need to restart the system, allowing activities to continue. The Secretariat also has an intelligent NetApp (FAS2520HA) backup cabinet with redundancy, and high access availability. Moreover, an external service for security backup of ICCAT e-mail has been concentrated, with daily updating. In addition, two UPS units of the main rack of the ICCAT Secretariat and VMS system have been replaced, and a new local back up unit has been added to improve the integrity of the Secretariat data. These improvements have been carried out partly with financial assistance from the AOTTP and GBYP projects.

5.2 Acquisition of a new corporate firewall

In 2018, the firewall of the ICCAT network was upgraded to the new Palo Alto 820 model with the same security and control specifications as implemented previously. The old firewall will be used as a backup and control device for the VMS network. In addition, the bandwidth of the fiber optic lines of the office has been upgraded from 100/10 mbps to symmetrical 600 mbps, which together with the new firewall will provide a much more efficient internet service for the Secretariat and scientific meetings. The new firewall will facilitate and extend the number of VPN connections, enabling remote work with standard security measures.

5.3 Improvements in the ICCAT network and IT services

For the VMS network, the internet connection has been upgraded to 600 mpbs fiber optic and the firewall upgraded, which together with the VMS software upgrade will speed up substantially receipt of VMS data at the Secretariat. In June 2018, the project to create the new ICCAT web site (www.iccat.int) was completed with IT technical support. This upgrade involved renewing the digital certificate of the web server, providing ICCAT with validation by the corresponding Certifying Body. The Secretariat has increased the anti-virus and security services with the software Symantec Endpoint Protection Small Business Edition both in the local infrastructure and in the web server.

5.4 Acquisition of new cloud services for the SCRS and Secretariat

Following the recommendations of the SCRS and working groups, in 2018 the Secretariat contracted the internet services cloud GitHub and Google Drive, which enable development and collaborative work among scientists and the Secretariat for projects such as development of MSE, photographic file storage, standardization work on otolith reading, reproduction stages, and farm videos. All these services have data protection and security systems that are consistent with the ICCAT data privacy policy.

5.5 Technical seminar on Azure and Office 365

On June 2018, the Secretariat participated in a technical IT seminar organised by Visiotic and ICERTIS, with two important topics for future ICCAT IT plans; Azure and Office 365. Azure is a cloud integrated IT service, which offers support and advantages to small and medium sized businesses. The objective is gradual migration of the ICCAT virtual servers to the cloud to capitalise on the advantages it offers in terms of availability and security. In addition, it is intended to consolidate the services of the ICCAT web server, e-mail and Linux servers for scientific tasks. Office 365 is an integral version of Microsoft products which allows for work stations within the cloud service. It also enables acquisition of specific versions for each user with upgrade advantages and online support, optimizing the costs and maintenance of the software and basic work tools of the Secretariat.

5.6 Preparation of a security policies document

At the Commission's request, the Secretariat has started the documentation of the services and structure of the ICCAT networks, including security policies, data confidentiality, integrity and availability of information, backup and continuity of operations with the objective of protecting the Secretariat's IT assets, including the Secretariat's local resources, as well as hosting services in the cloud and/or third parties.

5.7 Cloud Computing

An increasing large number of intersessional and computer intensive tasks have been undertaken by SCRS Working Groups. Since 2015 the ICCAT Cloud-computing servers (http://meetings.iccat.int) have been used for conducting the work of the Data Preparatory and Stock Assessment meetings; i.e. for hosting data sets, collaborating on analyses, dissemination of SCRS papers, and drafting reports. In addition Cloud servers were contracted and used for computer intensive tasks, for example to run large simulation programmes to obtain the probabilities of stock status under different management options under the Kobe Advice Framework. The Cloud servers have also been used to conduct Management Strategy Evaluation (MSE) for North Atlantic albacore to test Harvest Control Rules and develop limit reference points; and to generate data sets such as catch-at-size and age and EFFDIS. The Cloud is also being used to make the results of stock assessments available. Cloud computing services, such GitHub repositories (https://github.com/iccat/) is also being used to host the albacore, swordfish and bluefin MSE code, reports and analysis trials, the ICCAT software catalogue, and the GBYP meta-DB greatly facilitating the diverse research activities of the SCRS and promoting the active participation of ICCAT scientists.

The OwnCloud web server has now been used for the last three years by the SCRS and most Commission meetings to share information, data, documents and models required to facilitate the work of the various groups and panels. The Secretariat has provided access details in advance of the meetings, to registered participants, so that they can access the necessary information prior to the start of the meetings.

6. Publications

6.1 ICCAT series of periodic publications

For the current year, the Secretariat has continued the series of periodic publications developed throughout the history of ICCAT. **Table 25** shows the volumes of these series that were published in 2017 and 2018. Due to the request from the Commission to reduce costs, all the ICCAT periodic publications are now only published in electronic format and are all available for download in the ICCAT publications webpage.

Volume 4 of the Biennial Report was published for the first time in 2011. This Volume contains the reports generated by the Secretariat for the SCRS and the Commission, such as the Secretariat Report on Statistics and Coordination of Research, the Financial and Administrative Reports, and the ICCAT Secretariat Reports to the Conservation and Management Measures Compliance Committee (COC) and the Permanent Working Group for the Improvement of ICCAT Statistics and Conservation Measures (PWG).

Volume 44 of the Statistical Bulletin was published in electronic version. The current edition provides the catches and other statistics series for the period 1950 to 2016.

Given the Secretariat's workload and the request for reducing time of publications of the ICCAT Collective Volume of Scientific Papers, and considering that a significant number of authors do not follow the publication guidelines provided, the SCRS agreed in 2014 that those papers not meeting the minimum standards would not be published. As a result of applying this practice since 2017, the list of unpublished papers in the volume includes those withdrawn by the authors and those which failed to meet the minimum established publication standards. The Secretariat also adopted the necessary measures in 2017 to ensure that documents be published in electronic format soon after Sub-committees and Species Groups and Working Group meetings. As a result of improvements imposed in the publication process, in late 2017 and throughout 2018 the Secretariat published volume 74 (5 new issues) and volume 75 (already published 3 issues) of the ICCAT Collective Volume of Scientific Papers.

The Secretariat will continue to work on developing processes which facilitates editing work undertaken by the Secretariat to maintain the current quality standard of the publications.

6.2 ICCAT- Aquatic Living Resources (ALR) Agreement

In 2007, ICCAT signed an agreement with ALR aimed at providing greater dissemination of the work of the SCRS within the scientific community. This agreement meant the development of a thematic section on tunas in the journal, to include documents presented to the SCRS and selected by the SCRS to be inserted in this section. Since that date, six volumes of the journal have been published with this section and a total of 24 ICCAT documents. However, in 2014 ALR has changed its editorial line towards an ecosystem approach of fisheries management, which considerably reduces the possibilities of publishing the documents presented to the SCRS.

In 2015, the former ALR editor, Dr. Brigitte Milcendon, informed the Secretariat that ALR would continue as a peer-reviewed journal, with a new editing team and without the participation of IFREMER in the publication. Dr. Milcendon also expressed the new team's will to maintain the agreement with ICCAT. The field of interest of the journal in its new phase will continue to have an ecosystem approach, but with a broader outlook than in its last phase, which will open the publication up to a larger number of SCRS documents. In 2016 the Secretariat contacted the new ALR editorial team, whom reiterated their willingness to enhance the collaboration with ICCAT and requested a greater involvement of the SCRS in the process of selection, review and publication of the documents, through an Editorial Committee. On the other hand, ALR expressed their willingness to publish a few more ICCAT papers (12-15) on an annual basis. However, in 2016 only 2 papers were selected by the Sub-committees Conveners and Species Group Rapporteurs as of potential interest for publication the ALR. In 2017 no papers were selected.

Based on these facts, which precludes ALR annually having an ICCAT issue, the Secretariat together with the SCRS Chair presented an alternative option that was approved by the SCRS. Species Group rapporteurs shall identify in their work plans for 2020, a specific paper that will be put forward for publication in the primary literature. When possible, Species Group rapporteurs should identify such paper in 2019 also, even if it is not an objective of their current work plan.

6.3 ICCAT Manual

In 2018, no new requests have been made regarding the Manual.

6.4 ICCAT Web site

The ICCAT Web site, in the three official languages of the Commission, continues to be updated on a regular basis to provide better service to users.

In June 2018, the Secretariat concluded the development and released the new ICCAT web site, which uses HTML5 technology and CSS3 style. With a new structure, the ICCAT website can be accessible and can be used in a more user-friendly mode from different mobile devices, tablets and portable computers. Further developments are being made, including an engine search for the ICCAT documents.

7. International activities

7.1 Coordinating Working Group on Fishery Statistics (CWP)

In 2018, the Secretariat staff attended the FAO CWP technical workshop on global harmonization of tuna fisheries statistics. The workshop, organized under the CWP *Ad-hoc* Task Group on "Reference harmonization for capture fisheries and aquaculture statistics", was held at the FAO Headquarters in Rome (19-22 March 2018). It was sponsored by FAO/FI (FAO Fisheries and Aquaculture Department) in collaboration with Common Oceans ABNJ Tuna project and others. Experts on fisheries data management from all the five t-RFMOs were represented at the meeting as FAO/CWP parties. The main subjects discussed involved, the review of the current CWP standards on fisheries statistics, the review and harmonization of statistical concepts and data structures, the review of t-RFMO coding systems and methods to "map" (decode and exchange) codes among CWP parties, and others. This work aims at establishing the "CWP standard for reference harmonization" (a unified data structure composed of harmonized statistical concepts and definitions), an instrument planned to meet the requirements of CWP parties in data exchange (database interoperability) and reporting (data normalisation). The FAO Tuna Atlas development status (currently, mostly based on public data from t-RFMOs, like nominal catches and catch & effort) with associated tools and services, was also reviewed. The report of the technical workshop is not yet available.

7.2 Fisheries and Resources Monitoring System (FIRMS)

In 2017, the Secretariat updated the species identification sheets for yellowfin tuna, North and South albacore, East and West sailfish, and Mediterranean swordfish populations which were assessed by the SCRS in 2016.

7.3 ASFA

Since the last SCRS meeting, the Secretariat has prepared the entries for the Aquatic Sciences and Fisheries Abstracts (ASFA-Proquest) database of the papers published in issue 2, 3 and 4 of Volume 69 of the ICCAT Collective Volume of Scientific Papers.

7.4 iMarine

The iMarine initiative is an open and collaborative initiative aimed at supporting the implementation of the Ecosystem Approach to fisheries management and the conservation of living marine resources. The Secretariat attended an online seminar entitled iMarine Support to Tuna Atlas; from scattered Data to integrated Indicators and SmartForms prototype for Mobile Data Collection of on-Board Scientific Observers Data. The Secretariat remains a member of extended board.

8. ICCAT Scientific programmes

The activities of the ICCAT Atlantic-Wide Bluefin Research Programme (GBYP), Atlantic Ocean Tropical tuna Tagging Programme (AOTTP), ICCAT Year Research Programme for Small Tunas (SMTYP), the Shark Research and Data Collection Programme (SRDCP), and the Enhanced Research Programme for Billfish (ERPB), are separately presented in reports to the SCRS (see SCI-36, SCI-37, SCI-38, SCI-39 and SCI-40, respectively). The Secretariat's participation in these programmes mainly consists in administrative and scientific support. In the administrative area the Secretariat aids with the coordination of research of proposals, Call for tenders, funds administration and oversees auditory and accounting responsibilities of these programmes. Regarding scientific support the Secretariat has a major role between the SCRS and the programme coordinator for the design of research proposals, Call for tenders, evaluation of proposals, coordination of research and database management, as well as IT support to each of the programmes. As in the past, during 2018 the Secretariat actively participated in several of the research programmes components.

9. Other activities

9.1 2nd Joint T-RFMO Management Strategy Evaluation (MSE) Working Group Meeting

Recognizing that MSE processes need to be widely implemented in the tRFMOs in the line with implementing a precautionary approach for tuna fisheries management, the participants to the Kobe III meeting (La Jolla, California, USA, 12-14 July 2011) recommended that a Joint MSE Technical Working Group be created. ICCAT was delegated to organize such a meeting, and the 1st joint t-RFMO MSE Working Group meeting was held at the ICCAT Secretariat offices in Madrid, Spain from 1-3 November 2016.

In 2018, the second MSE Technical Working Group took place from 13-15 June at the University of Washington in Seattle (USA). The SCRS Chair, David Die Chaired the meeting. In total, 29 scientists participated with much experiences and knowledge in different RFMOs, namely CCSBT, IATTC, IOTC, International Pacific Halibut Commission (IPHC), International Scientific Committee for Tuna and Tuna-like Species in the North Pacific Ocean (ISC), and the International Whaling Commission (IWC).

The Group covered a wide range of discussions related to MSE. The Group shared the progress and the experiences of MSE process from different RFMOs, and discussed MSE technical issues as well as general recommendations for commissions and scientific committees. 15 recommendations related to MSE process and stakeholder dialogue, conditioning operating models, computational aspects, dissemination of results, and future work were drafted. A concise advisory document providing information on the implications of the MSE process will be produced by the Group and will be a useful guide for ICCAT. There are many ongoing plans for the Group, and the ICCAT Secretariat continues to provide the support for their works: e.g. create/maintain the GitHub site, create a glossary, and maintain website.

9.2 Informal Operating Model and Management Procedure technical meeting MSE Southern Bluefin tuna

Following the second MSE Technical Working Group meeting discussions, the Secretariat participated in an informal Operating Model and Management Procedure technical meeting for the Southern Bluefin tuna MSE that took place on 2-4 September in San Sebastian (Spain), ahead of the regular annual meeting of the CCSBT. CCSBT is one of the RFMO with more experience in tuna MSE programme, and in 2018 started a review of the MSE Operating Model (OM) and Management Procedure (MP) with plans for being

implemented in 2020. Technical details and procedures for evaluation of candidate models were reviewed with an agreed work plan schedule in preparation for the revised MSE implementation. This meeting provided valuable information and knowledge to the SCRS and Secretariat on the MSE process and implementation procedures.

9.3 Collaboration with the International Seafood Sustainability Foundation (ISSF)

ISSF continues to provide the Secretariat with detailed information on catches (by vessel trip, species and commercial size category) for all purchases made by ISSF-participating companies. These correspond to unloading of Atlantic catches from tropical tunas (bigeye, yellowfin, skipjack) and albacore to canning plants around the world. This information has previously been used by the SCRS scientists to complement and improve the Ghanaian Task II statistics. It has been noted that the submissions have been made in a diverse range of formats. As such, ISSF agreed in 2015, to investigate standardising the data submissions. In 2016, in coordination with the Secretariat, ISSF began to develop a database and common input format to make the data collected more accessible for scientific purposes. Due to issues related to the differences in the formats and contents of the data sets, ISSF agreed, in 2018 to hire an expert to gather all the available information to be provided to ICCAT in a standardized format.

9.4 Mediterranean Advisory Council (MEDAC)

In 2018 the ICCAT Head of Department of Research and Statistics attended a meeting of the Mediterranean Advisory Council (MEDAC, Rome, Italy, 11 October) and provided a presentation on the recent findings of the SCRS as regards the status of the stock of eastern Atlantic and Mediterranean bluefin tuna, as well as for the Mediterranean albacore and swordfish stocks.

9.5 International Council for the Exploration of the Sea (ICES)

Considering the fruitful experience ICCAT and ICES have had in recent years regarding scientific collaboration, in 2018 both organisations expressed their willingness to strengthen this cooperation and explore new initiatives and discussions which have commenced between the Secretariats. It has been agreed therefore that it is appropriate and desirable to improve collaboration between ICCAT SCRS-ICES, particularly in the areas of by-catch, sharks and stock assessment issues, through our Sub-committee on Ecosystems and By-catch, the Shark Species Group, as well as the WGSAM. Specifically, it would be convenient to keep the participation of ICES scientific experts in ICCAT Shark Stock Assessments, as well as in both (stock assessment) Methods Working Groups.

9.6 Global Environment Facility (GEF) - Common Oceans ABNJ Tuna Project

In 2015 the Commission, decided to continue with the cooperation between GEF Common Oceans ABNJ and ICCAT. To this end, since the previous SCRS plenary, the ICCAT Secretariat has participated in several ABNJ Common Oceans initiatives. These include participation in the following meetings that were funded or partially funded by the project:

- CWP (FAO Coordinating Working Party on Fisheries Statistics) technical workshop on global harmonization of tuna fisheries statistics, that was held in Rome, 19-22 March 2018;

- Joint tuna RFMO MSE Working Group meeting held at University of Washington in Seattle, 13-15 June 2018;

- Fifth project Steering Committee (PSC) meeting of the Common Oceans ABNJ tuna project held in Rome, 16-18 July 2018;

- 2nd meeting of the ICCAT Expert Port Inspection Group for Capacity and Assistance, 18-19 September 2018.

In addition, ICCAT coordinated and concluded during 2017 together with the Common Oceans ABNJ Tuna Project a Feasibility study on the development of an Online Reporting System (FORS). This includes both a feasibility study to determine the resources, costs, technologies required to implement an online reporting system, as well as the production of a demo online reporting tool. During 2018, various "outcomes" of the FORS study (technology, development model, concepts, recommendations, etc.) were used by the Secretariat aimed at improving the SCRS statistical online validation system. This prototype tool went into a testing phase during 2018. Following the objectives of the Common Oceans ABNJ Tuna project, the FORS tool and study results are generic and can potentially be applied across multiple tuna RFMOs.

Further information regarding ICCATs involvement in the GEF-Common Oceans ABNJ Tuna Project are also provided in document SCI-83.

9.7 Collaboration with Western Central Atlantic Fishery Commission (WECAFC)

In 2018 contacts have been made between the ICCAT Secretariat and the WECAFC Secretariat, aiming to enhance the collaboration between the two organizations, namely regarding the collection and reporting of tuna fisheries data to ICCAT. In that sense the coordinator of the Caribbean Billfish Project recently attended the Blue Marlin Stock Assessment meeting and provided a presentation on the project.

9.8 Second meeting of the Tuna Compliance Network (TCN)

The second meeting of the TCN took place between 15 and 18 February 2018 at the headquarters of the Fishing Agency of the Pacific Islands Forum in Honiara, Solomon Islands with the support of the Common Oceans ABNJ Tuna Project, funded by the GEF and implemented by the Food and Agriculture Organization of the United Nations (FAO), and in cooperation with the International Monitoring Control and Surveillance Network (International MCS Network).

The objective of this meeting was to facilitate communication and cooperation between officers responsible for compliance and officers responsible for data management of the tuna RFMOs. Staff of the ICCAT Secretariat, as one of these RFMOs, attended this meeting. Representatives of the Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR), the FFA, the North Pacific Fisheries Commission (NPFC), the Parties to the Nauru Agreement (ANP) and the South Pacific Community (SPC) also participated in the meeting. The main points discussed were: i) General description of data management systems related to compliance, ii) Future vision of the compliance needs for the collection, validation and information, iii) Advanced models in data management and reporting for compliance objectives, and iv) Solutions to improve data management systems. The report of this meeting is available at http://www.fao.org/TCN2ndWorkshopReport.pdf

10. ICCAT funds for data improvement and capacity building

To improve data collection and strengthen the capacity of the scientists from developing Parties, the Japanese Government created an initial data improvement project which was continued, in a second phase, by the ICCAT/Japan Data and Management Improvement Project (JDMIP) and since December 2014, in a third phase, with the ICCAT/Japan Capacity-Building Assistance Improvement Project (JCAP) (the report is contained in document SCI-09).

Besides this project, there is also a Data Fund, which was established through the *Resolution by ICCAT on Improvements in Data Collection and Quality Assurance* [Res. 03-21]. The Data Fund is open to voluntary contributions from the Contracting Parties. To date, only the United States has contributed to this fund.

The European Union and the United States created their own capacity building funds for data collection and analysis of data and stock assessment methods, as well as to facilitate participation in SCRS meetings.

In 2014, the Commission adopted the *Recommendation by ICCAT amending Recommendation [11-26] on the Establishment of a Meeting Participation Fund for Developing Contracting Parties* [Rec. 14-14], for the participation to both the SCRS and Commission meetings.

In 2013, the Commission adopted the *Recommendation by ICCAT on the Establishment of a Scientific Capacity Building Fund for Developing States which are ICCAT Contracting Parties* [Rec. 13-19] which establishes a Special Capacity Building Fund (SCBF) to support scientists from ICCAT Contracting Parties, which are developing States regarding their need to acquire knowledge and develop capacities in ICCAT related issues. In 2017 the Commission decided to keep this fund but allocated no budget to it for 2018 and 2019, whereas it was also decided to move the respective balance in 31 December 2017 to the Science Envelope budgetary line.

In 2017 a new Fund was created, supported at 80% by the European Union to further develop the T3+ software, which is essential for estimating Ghana statistics of tropical tuna. This fund was extended to 2018 and included in the Science Envelope budgetary line, although it has not yet been used.

To support the SCRS work, at its 2017 meeting, the Commission approved the Science Envelope, which in 2018 is funded at 80% by the European Union.

In 2012, the SCRS approved a protocol to use the Data Fund and other ICCAT funds. This protocol defines a broad structure for use of the funds which includes improvement of statistics, training and support of SCRS work, including attendance to meetings. The protocol also includes the criteria to be followed for allocation of funds.

On the basis of this protocol, in 2018 the funds have been used as follows:

- Participation at SCRS meetings: 78 scientists from Algeria, Brazil, Cabo Verde, Côte d'Ivoire, Gabon, Ghana, Liberia, Mauritania, Mexico, Morocco, Namibia, São Tomé and Príncipe, Senegal, South-Africa, Tunisia, and Uruguay, were funded to attend the SCRS scientific meetings.

- Improvement of statistics: Training course to build the capacity of data collection in the semi-industrial, artisanal and recreational fisheries in São Tomé and Príncipe and Angola (to be held in November 2018) and rebuilding of the statistical and fisheries data collection system in Liberia (supported by JCAP); Capacity building courses aiming to enhance participation of scientists in MSE processes - training workshops in MSE development.

- Scientific capacity building courses: two scientists from developing CPCs (Tunisia and Mauritania) received training in SS3 and BSP Stock Assessment model, at US institutions (NOAA and University of Miami).

- SCRS activities funded the following:
    - Short-term contract for a comprehensive study of strategic investments related to artisanal fisheries data collection in ICCAT fisheries of the Caribbean/Central American region;
    - Short-term contract for a northern Atlantic albacore tuna reproductive biology study;
    - Short-term contract for ICCAT collection of biological samples for the study of growth of billfish in the eastern Atlantic;
    - Short-term contract for ICCAT SMTYP for the biological samples collection for growth, maturity and genetics studies;
    - Short-term contract for ICCAT swordfish biological samples collection for growth, reproduction and genetics studies;
    - Short-term contract for a peer review of the code and algorithms used within the northern Atlantic albacore management strategy evaluation framework;
    - Short-term contract for modelling approaches: support to ICCAT North Atlantic swordfish MSE process;
    - Short-term contract for ICCAT modelling approaches: support to ICCAT tropical tunas MSE process;
    - Collaborative analysis using longline operational data to standardized Atlantic bigeye CPUE indices;
    - Electronic PSAT tagging of Atlantic swordfish, northern albacore and Atlantic pelagic sharks;
    - Study on genetic stock structure of shortfin mako shark based on mitochondrial analysis;
    - Experts workshop to evaluate the impact of fishing on seabirds;
    - Attendance to intersessional SCRS meetings (e.g. Seabird expert).

11. Major statistical and IT Tasks planned for 2019

The most important project the Secretariat has been working since 2017 is the Statistical Online Reporting System (ICCAT IOMS) web application, for which a preliminary prototype was deployed on the Web in April 2018 covering statistical forms of Task I and II. The SCRS and the Commission's Online Reporting Technical Working Group has supported and recommended to continue with this project, foreseeing its extension to all the compliance and statistical data submission requirements of ICCAT. However, they also recognized that implementing the project ICCAT IOMS system will require a commitment for financial and expertise support from the Commission for moving forward and completing it in a near future to fulfill the recommendations from the Online Reporting Technology Working Group meeting in March 2018 (Online Reporting TWG Report).

The Secretariat has also other tasks and projects that will be extended over 2019. The main tasks that should be finalized in the first semester of 2019 are:

- The ICCAT RDMBS server migration from MS-SQL 2008-R2 to MSQ-SQL 2016, and
- Replacement of the stand-alone MS-ACCESS Task II databases on the web by SQLite equivalent ones.

Other ongoing tasks represent continuous improvements that will continue during 2019 and beyond. The priority tasks for 2019 are:

- The improvements to the applications that work with the various databases of ICCAT-DB,
- The ongoing work on the tagging database including the revision of the structure for electronic tagging data, TG forms standardization, and automatic reading of TG forms,
- The standardization of electronic forms of compliance and statistics for automatic data integration, and
- The adaption of all the databases of ICCAT-DB to the foreseeing future "ICCAT Online Reporting" strategy.

12. Secretariat staff and organization

The new Executive Secretary, Mr. Camille Jean Pierre Manel started his mandate in July 2018. In May and July 2018, Dr. Ai Kimoto and Dr. Nathan Taylor joined the scientific staff at the Secretariat as Population Dynamics expert and By-catch Coordinator, respectively. In addition, Dr. Francisco Alemany and Dr. Lisa Ailloud also joined the staff as GBYP Coordinator and AOTTP Assistant Coordinator, respectively, in January and September 2018. In March 2018, Dr. Mauricio Ortiz was appointed as Head of the Department of Research and Statistics. Detailed information on the structure and the Secretariat staff is available on the ICCAT web site (www.iccat.int/en/staff.html).

Table 1. Task I fleet characteristics (new form ST01-T1FC) submission status for 2017 data ("green": before deadline; "yellow": after deadline; "orange": has not passed Filter 1 (scenario 2); "blank": not reported or no active fleets).
Tableau 1. Situation de la soumission des caractéristiques des flottilles de la Tâche I (nouveau formulaire ST01-T1FC) pour les données de 2017 (vert: déclarées dans le respect des délais impartis; jaune: déclarées après la date limite; "orange": n'a pas passé le Filtre 1 (scénario 2); cellule vide: non déclarées ou pas de flottilles actives).
Tabla 1. Estado de la presentación de características de la flota de Tarea I (nuevo formulario ST01-T1FC) para los datos de 2017 ("verde": dentro del plazo; "amarillo": fuera de plazo; "naranja": no pasó el Filtro 1 (escenario 2); "en blanco": no se han enviado datos o no hay flotas activas).

			Deadline (+1 day tolerance) / Fishery												
			01-08-18												
Status	Party	Flag	ALBM	ALBN	ALBS	BFTE	BFTW	MULTIFISH	NONE-BC	SHARKS	SMTuna	SWOM	SWON	SWOS	TROP
CP	ALBANIA	Albania				0									
	ALGÉRIE	Algerie				1									
	ANGOLA	Angola												1	
	BARBADOS	Barbados						-0.2							
	BELIZE	Belize		1	1					1			1	1	1
	BRAZIL	Brazil								1				1	1
	CANADA	Canada		-0.2			-0.2		-0.2				-0.2		-0.2
	CAP-VERT	Cape Verde													0
	CHINA PR.	China PR			1	1							1	1	1
	CÔTE D'IVOIRE	Côte d'Ivoire		-0.2											-0.2
	CURAÇAO	Curaçao													-0.2
	EGYPT	Egypt				1									
	EL SALVADOR	El Salvador													0
	EUROPEAN UNION	EU.Bulgaria								0	0				
		EU.Croatia				1									
		EU.Cyprus	1			1						1			
		EU.Denmark													
		EU.España				1			1			1			1
		EU.France				-0.2			-0.2						-0.2
		EU.Germany													
		EU.Greece	1			1						1			
		EU.Ireland		0					-0.2						
		EU.Italy				1									
		EU.Latvia													
		EU.Lithuania													
		EU.Malta	1			1			1			1			
		EU.Netherlands							1						
		EU.Portugal		1					1						1
		EU.United Kingdom		1					1	1	1		1		
	FRANCE (St-Pierre et Miquelon)	FR.St Pierre et Miquelon						-0.2							
	GABON	Gabon													
	GHANA	Ghana													1
	GRENADA	Grenada													
	GUATEMALA	Guatemala													1
	GUINEA BISSAU	Guinea Bissau													
	GUINEA ECUATORIAL	Guinea Ecuatorial													
	GUINÉE REP.	Guinée Rep.													
	HONDURAS	Honduras													
	ICELAND	Iceland							1						
	JAPAN	Japan													1
	KOREA REP.	Korea Rep.				1			1						1
	LIBERIA	Liberia						-0.2							
	LIBYA	Libya	1			1									
	MAROC	Maroc				1				1		1	1		1
	MAURITANIA	Mauritania													
	MEXICO	Mexico											1		1
	NAMIBIA	Namibia			1					1				1	
	NICARAGUA	Nicaragua													
	NIGERIA	Nigeria													
	NORWAY	Norway				1									
	PANAMA	Panama													
	PHILIPPINES	Philippines													
	RUSSIA	Russian Federation									1				
	S. TOMÉ E PRINCIPE	S. Tomé e Príncipe									0				0
	SENEGAL	Senegal						0			0		0	0	0
	SIERRA LEONE	Sierra Leone													
	SOUTH AFRICA	South Africa													
	St VINCENT & GRENADINES	St. Vincent and Grenadines		1	1						1		1		1
	SYRIA	Syria				1									
	TRINIDAD & TOBAGO	Trinidad and Tobago													1
	TUNISIE	Tunisie				1		1				1			
	TURKEY	Turkey				-0.2						-0.2			
	UNITED KINGDOM (O.Territories)	UK.Bermuda		1							1				1
		UK.British Virgin Islands													
		UK.Sta Helena													1
		UK.Turks and Caicos													
	UNITED STATES	U.S.A.											1		1
	URUGUAY	Uruguay													
	VANUATU	Vanuatu													
	VENEZUELA	Venezuela													0
NCC	Bolivia	Bolivia													
	Chinese Taipei	Chinese Taipei		1	1										1
	Costa Rica	Costa Rica							-0.2	-0.2					-0.2
	Guyana	Guyana													
	Suriname	Suriname													

NOTES:

NO FISHING ACTIVITY: 13 flags shaded in "green" in Tables 1 to 5

NO TARGETTING ACTIVITY (some by-catch): EU.Netherlands, EU.United Kingdom, EU.Germany & others.

Table 2. Task I nominal catch (form ST02-T1NC) submission status for 2017 data ("green": before deadline; "yellow": after deadline; "orange": has not passed Filter 1 (scenario 2); "blank": not submitted or zero catch).
Tableau 2. Situation de la soumission des données de la prise nominale de la Tâche I (formulaire ST02-T1NC) pour les données de 2017 (vert: déclarées dans le respect des délais impartis; jaune: déclarées après la date limite; "orange": n'a pas passé le Filtre 1 (scénario 2); cellule vide: non déclarées ou prises zéro).
Tabla 2. Estado de la presentación de los datos de captura nominal de Tarea I (formulario ST02-T1NC) para los datos de 2017 ("verde": dentro del plazo; "amarillo": fuera de plazo; "naranja": no pasó el Filtro 1 (escenario 2); "en blanco": no se han enviado datos o captura cero).

			Deadline (+1 day tolerance): 2018-08-01													
			Tuna (major sp.)										Small tuna	Sharks (major sp.)		
Status	**Party**	**Flag**	ALB	BET	BFT	BUM	SAI	SKJ	SPF	SWO	WHM	YFT	(any of 13 sp)	BSH	POR	SMA
CP	ALBANIA	Albania	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ALGÉRIE	Algerie	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	ANGOLA	Angola	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	BARBADOS	Barbados	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	BELIZE	Belize	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	BRAZIL	Brazil	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	CANADA	Canada	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	CAP-VERT	Cape Verde	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	CHINA PR.	China PR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	CÔTE D'IVOIRE	Côte d'Ivoire	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	CURAÇAO	Curaçao	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	EGYPT	Egypt	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	EL SALVADOR	El Salvador	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	EUROPEAN UNION	EU.Bulgaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		EU.Croatia	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU.Cyprus	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU.Denmark	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU.España	1	1	0	1	0	1	0	0	0	1	1	0	0	0
		EU.France	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU.Germany	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		EU.Greece	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU.Ireland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		EU.Italy	1		1			1		1			1	1	1	
		EU.Latvia														
		EU.Lithuania	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		EU.Malta	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU.Netherlands			1			1					1			1
		EU.Portugal	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU.United Kingdom	1	1	1	1	1		1	1	1	1	1	1	1	1
	FRANCE (St-Pierre et Miquelon)	**FR.St Pierre et Miquelon**														
	GABON	Gabon	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	GHANA	Ghana	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	GRENADA	Grenada														
	GUATEMALA	Guatemala	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	GUINEA BISSAU	Guinea Bissau														
	GUINEA ECUATORIAL	Guinea Ecuatorial														
	GUINÉE REP.	Guinée Rep.														
	HONDURAS	**Honduras**														
	ICELAND	Iceland	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	JAPAN	Japan	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	KOREA REP.	Korea Rep.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	LIBERIA	Liberia	-0.2	-0.2		-0.2	-0.2	1		-0.2	-0.2	1	1			
	LIBYA	Libya	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	MAROC	Maroc	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	MAURITANIA	Mauritania														
	MEXICO	Mexico	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	NAMIBIA	Namibia	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	NICARAGUA	**Nicaragua**														
	NIGERIA	**Nigeria**														
	NORWAY	Norway	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	PANAMA	Panama	-0.2	-0.2		0	0	-0.2		0	0	-0.2	0	0	0	0
	PHILIPPINES	Philippines														
	RUSSIA	Russian Federation	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	S. TOMÉ E PRINCIPE	S. Tomé e Príncipe		1		1	1	1		1	1	1	1			
	SENEGAL	Senegal	1	1	1	0	0	1	0	0	0	1	1	0	0	0
	SIERRA LEONE	**Sierra Leone**														
	SOUTH AFRICA	South Africa	1	1		1	1	1	1	1	1	1	1	1		1
	St VINCENT & GRENADINES	St. Vincent and Grenadines	1	1		1	1	1	1	1	1	1	1			
	SYRIA	Syria			1											
	TRINIDAD & TOBAGO	Trinidad and Tobago	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	TUNISIE	Tunisie	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	TURKEY	Turkey	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UNITED KINGDOM (O.Territories)	UK.Bermuda	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
		UK.British Virgin Islands														
		UK.Sta Helena	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		UK.Turks and Caicos														
	UNITED STATES	U.S.A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	URUGUAY	**Uruguay**														
	VANUATU	**Vanuatu**														
	VENEZUELA	Venezuela	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
NCC	Bolivia	**Bolivia**														
	Chinese Taipei	Chinese Taipei	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Costa Rica	**Costa Rica**														
	Guyana	Guyana	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Suriname	**Suriname**														
NCO	Non-contracting parties	ICCAT (RMA)			1											
		Mixed flags (EU tropical)		1				1				1	1			
		Saint Kitts and Nevis	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2

NOTES:

NO FISHING ACTIVITY: 13 flags shaded in "green" in Tables 1 to 5

NO TARGETTING ACTIVITY (some by-catch): EU.Netherlands, EU.United Kingdom, EU.Germany & others.

Table 3. Task II catch and effort (form ST03-T2CE) submission status for 2017 data ("green": before deadline; "yellow": after deadline; "orange": has not passed Filter 1 (scenario 2); "blank": not submitted or zero catch).
Tableau 3. Situation de la soumission des données de la prise et effort de la Tâche II (formulaire-ST03-T2CE) pour les données de 2017 (vert: déclarées dans le respect des délais impartis; jaune: déclarées après la date limite; "orange": n'a pas passé le Filtre 1 (scénario 2); cellule vide: non déclarées ou prises zéro).
Tabla 3. Estado de la presentación de los datos de captura y esfuerzo de la Tarea II (Formulario ST03-T2CE) para los datos de 2017 ("verde": dentro del plazo; "amarillo": fuera de plazo; "naranja": no pasó el Filtro 1 (escenario 2); "en blanco": no se han enviado datos o captura cero).

			Deadline (+1 day tolerance): 2018-08-01												
			Tuna (major sp.)										Small tuna	Sharks (major sp.)		
Status	Party	Flag	ALB	BET	BFT	BUM	SAI	SKJ	SPF	SWO	WHM	YFT	(any of 13 sp)	BSH	POR	SMA
CP	ALBANIA	Albania			-0.2											
	ALGÉRIE	Algerie														
	ANGOLA	Angola	-0.2	-0.2						-0.2				-0.2		-0.2
	BARBADOS	Barbados	1	1		1	1	1		1	1	1		1		1
	BELIZE	Belize	1	1		1	1	1		1		1	1	1		1
	BRAZIL	Brazil	-0.2	-0.2		-0.2	-0.2	-0.2		-0.2	-0.2	-0.2	-0.2	-0.2		-0.2
	CANADA	Canada	1	1	1	1				1	1	1	1	1	1	1
	CAP-VERT	Cape Verde		1				1				1	1			
	CHINA PR	China PR	1	1	1	1	1		1	1	1	1		1		1
	CÔTE D'IVOIRE	Côte d'Ivoire		1	1	1	1	1		1	1	1	1	1		1
	CURAÇAO	Curaçao	1	1				1				1	1			
	EGYPT	Egypt														
	EL SALVADOR	El Salvador		1				1				1	1			
	EUROPEAN UNION	EU.Bulgaria											0			
		EU.Croatia	1		1					1			1			
		EU.Cyprus	1		1					1						
		EU.Denmark														
		EU.España	1	1	-0.2		-0.2	1		1		1	1	-0.2		-0.2
		EU.France	1	1	-0.2			1		-0.2	-0.2	1	1	-0.2	-0.2	-0.2
		EU.Germany														
		EU.Greece	1		1					1						
		EU.Ireland	0	0	0			0		0						
		EU.Italy	1		1					1			1			
		EU.Latvia														
		EU.Lithuania														
		EU.Malta	1		1					1			1	1		1
		EU.Netherlands														
		EU.Portugal	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU.United Kingdom	1	1						1		1	1	1		
	FRANCE (St-Pierre et Miquelon)	FR.St Pierre et Miquelon														
	GABON	Gabon														
	GHANA	Ghana		1		-0.2	-0.2	1		-0.2	-0.2	1		-0.2		
	GRENADA	Grenada														
	GUATEMALA	Guatemala	1	1				1				1	1			
	GUINEA BISSAU	Guinea Bissau														
	GUINEA ECUATORIAL	Guinea Ecuatorial														
	GUINÉE REP.	Guinée Rep.														
	HONDURAS	Honduras														
	ICELAND	Iceland														
	JAPAN	Japan	1	1	1	1	1	1	1	1	1	1		1	1	1
	KOREA REP.	Korea Rep.	1	1	1	1	1	1		1	1	1	1	1		1
	LIBERIA	Liberia														
	LIBYA	Libya														
	MAROC	Maroc		1	1					1		1		1		1
	MAURITANIA	Mauritania														
	MEXICO	Mexico	1	1	1	1	1	1	1	1	1	1	1	1		1
	NAMIBIA	Namibia	1	1		1		1		1		1		1	1	1
	NICARAGUA	Nicaragua														
	NIGERIA	Nigeria														
	NORWAY	Norway			1											
	PANAMA	Panama	1	1				1				1	1			
	PHILIPPINES	Philippines														
	RUSSIA	Russian Federation						1					1			
	S. TOMÉ E PRINCIPE	S. Tomé e Príncipe														
	SENEGAL	Senegal		1				1				1	1			
	SIERRA LEONE	Sierra Leone														
	SOUTH AFRICA	South Africa	1	1				1	1	1		1		1		1
	St VINCENT & GRENADINES	St. Vincent and Grenadines	1	1		1	1	1	1	1	1	1	1	1		
	SYRIA	Syria			1											
	TRINIDAD and TOBAGO	Trinidad and Tobago	1	1			1			1		1	1	1		1
	TUNISIE	Tunisie			1											
	TURKEY	Turkey			-0.2					-0.2						
	UNITED KINGDOM (OT)	UK.Bermuda														
		UK.British Virgin Islands														
		UK.Sta Helena		0		0		0				0	0			0
		UK.Turks and Caicos														
	UNITED STATES	U.S.A.	1	1	1	1	1	1		1	1	1	1	1	1	1
	URUGUAY	Uruguay														
	VANUATU	Vanuatu														
	VENEZUELA	Venezuela	0	0		0	0	0	0	0	0	0	0	0		0
NCC	Bolivia	Bolivia														
	Chinese Taipei	Chinese Taipei	1	1		1	1	1	1	1	1	1		1		1
	Costa Rica	Costa Rica														
	Guyana	Guyana														
	Suriname	Suriname														

NOTES:

NO FISHING ACTIVITY: 13 flags shaded in "green" in Tables 1 to 5

NO TARGETTING ACTIVITY (some by-catch): EU.Netherlands, EU.United Kingdom, EU.Germany & others

Table 4. Task II size information (forms: ST04-T2SZ: observed samples; ST05-CAS: catch-at-size) submission status for 2017 data ("green": before deadline; "yellow": after deadline; "orange": has not passed Filter 1 (scenario 2); "blank": not submitted or no sampling).
Tableau 4. Situation de la soumission des données de taille de la Tâche II (formulaires: ST04-T2SZ -échantillons observés; ST05-CAS: prise par taille) pour les données de 2017 (vert: déclarées dans le respect des délais impartis; jaune: déclarées après la date limite; "orange": n'a pas passé le Filtre 1 (scénario 2); cellule vide: non déclarées ou pas d'échantillonnage).
Tabla 4. Estado de la presentación de los datos de talla de la Tarea II (formularios: ST04-T2SZ - muestras observadas; ST05-CAS: captura por talla) para los datos de 2017 ("verde": dentro del plazo; "amarillo": fuera de plazo; "naranja": no pasó el Filtro 1 (escenario 2); "en blanco": no se han enviado datos o sin muestreo).

			Deadline (+1 day tolerance): 2017-08-01													
			Tuna (major sp.)										Small tuna	Sharks (major sp.)		
Status	**Party**	**Flag**	ALB	BET	BFT	BUM	SAI	SKJ	SPF	SWO	WHM	YFT	(any of 13 sp)	BSH	POR	SMA
CP	ALBANIA	Albania														
	ALGÉRIE	Algerie			1											
	ANGOLA	Angola														
	BARBADOS	Barbados		1		1					1	1				
	BELIZE	Belize	1	1				1		1		1	1	1		
	BRAZIL	Brazil		1				1				1				
	CANADA	Canada	1	1	1					1	1	1			1	1
	CAP-VERT	Cape Verde		1				1				1	1			
	CHINA PR	China PR	-0.2	-0.2	-0.2					-0.2		-0.2		-0.2		
	CÔTE D'IVOIRE	Côte d'Ivoire		1		1	1	1		1	1	1	1	1		1
	CURAÇAO	Curaçao	1	1				1				1	1			
	EGYPT	Egypt														
	EL SALVADOR	El Salvador		1				1				1	1			
	EUROPEAN UNION	EU.Bulgaria														
		EU.Croatia			1					1						
		EU.Cyprus	0		0					0						
		EU.Denmark														
		EU.España	1	1	0		0	1	0	1		1	1	0		0
		EU.France	1	1	1			1		-0.2		1	1	1	1	
		EU.Germany														
		EU.Greece			1					1						
		EU.Ireland	0													
		EU.Italy	1		1					1			1	1		
		EU.Latvia														
		EU.Lithuania														
		EU.Malta	1		1					1			1	1		
		EU.Netherlands														
		EU.Portugal	1	1	1	1	1	1		1	1	1	1	1	1	1
		EU.United Kingdom														
	FRANCE (SPM)	FR.St Pierre et Miquelon														
	GABON	Gabon														
	GHANA	Ghana		1				1				1	1			
	GRENADA	Grenada														
	GUATEMALA	Guatemala	1	1				1				1	1			
	GUINEA BISSAU	Guinea Bissau														
	GUINEA ECUATORIAL	Guinea Ecuatorial														
	GUINÉE REP.	Guinée Rep.														
	HONDURAS	Honduras														
	ICELAND	Iceland														
	JAPAN	Japan		1	1	1				1		1				
	KOREA REP.	Korea Rep.		1	1	1	1	1		1	1	1		1		1
	LIBERIA	Liberia														
	LIBYA	Libya														
	MAROC	Maroc		1	1					1		1	1	1		1
	MAURITANIA	Mauritania														
	MEXICO	Mexico		1	1	1	1	1		1	1	1				
	NAMIBIA	Namibia		1	1			1		1				1		1
	NICARAGUA	Nicaragua														
	NIGERIA	Nigeria														
	NORWAY	Norway			1											
	PANAMA	Panama	1	1				1				1	1			
	PHILIPPINES	Philippines														
	RUSSIA	Russian Federation						1					1			
	S. TOMÉ E PRINCIPE	S. Tomé e Príncipe														
	SENEGAL	Senegal		1			0	1				1	1			
	SIERRA LEONE	Sierra Leone														
	SOUTH AFRICA	South Africa	1	1						1		1		-0.2		-0.2
	St VINCENT & GRENADINES	St. Vincent and Grenadines	-0.2	1						-0.2		-0.2				
	SYRIA	Syria														
	TRINIDAD and TOBAGO	Trinidad and Tobago		1						1		1				
	TUNISIE	Tunisie			-0.2											
	TURKEY	Turkey	1		1					1						
	UNITED KINGDOM (OT)	UK.Bermuda														
		UK.British Virgin Islands														
		UK.Sta Helena		0		0		0				0	0			
		UK.Turks and Caicos														
	UNITED STATES	U.S.A.	1	1	1	1	1	1		1	1	1	1	1	1	1
	URUGUAY	Uruguay														
	VANUATU	Vanuatu														
	VENEZUELA	Venezuela	-0.2	-0.2				-0.2				-0.2	-0.2			
NCC	Bolivia	Bolivia														
	Chinese Taipei	Chinese Taipei	1	1		1	1	1	1	1	1	1		1		1
	Costa Rica	Costa Rica														
	Guyana	Guyana														
	Suriname	Suriname														

NOTES:
NO FISHING ACTIVITY: 13 flags shaded in "green" in Tables 1 to 5
NO TARGETTING ACTIVITY (some by-catch): EU.Netherlands, EU.United Kingdom, EU.Germany & others.

Table 5. Consolidated view of the Report Cards for 2017 (Tables 1 to 4, where at least one cell is not empty). The order of priority given to the colours on the consolidation was: orange/yellow/green.
Tableau 5. Vision consolidée des cartes de déclaration pour 2017 (tableaux 1 à 4, où au moins une cellule n'est pas vide). L'ordre de priorité donné aux couleurs dans la consolidation est : orange/jaune/vert.
Tabla 5. Visión consolidada de los catálogos de comunicación para 2017 (Tablas 1 a 4, con al menos hay una celda vacía). El orden de prioridad asignado a los colores en la consolidación es: naranja/amarillo/verde.

			Task I		Task II	
Status	**Party**	**Flag**	**T1FC**	**T2NC**	**T2CE**	**T2SZ/CS**
CP	ALBANIA	Albania	0	0	-0.2	
	ALGÉRIE	Algerie	1	1		1
	ANGOLA	Angola	1	-0.2	-0.2	
	BARBADOS	Barbados	-0.2	1	1	1
	BELIZE	Belize	1	1	1	1
	BRAZIL	Brazil	1	1	-0.2	1
	CANADA	Canada	-0.2	1	1	1
	CAP-VERT	Cape Verde	0	1	1	1
	CHINA PR.	China PR	1	1	1	-0.2
	CÔTE D'IVOIRE	Côte d'Ivoire	-0.2	-0.2	1	1
	CURAÇAO	Curaçao	-0.2	1	1	1
	EGYPT	Egypt	1	-0.2		
	EL SALVADOR	El Salvador	0	0	1	1
	EUROPEAN UNION	EU.Bulgaria	0	0	0	
		EU.Croatia	1	1	1	1
		EU.Cyprus	1	1	1	0
		EU.Denmark		1		
		EU.España	1	0	-0.2	0
		EU.France	-0.2	1	-0.2	-0.2
		EU.Germany		0		
		EU.Greece	1	1	1	1
		EU.Ireland	-0.2	0	0	0
		EU.Italy	1	1	1	1
		EU.Latvia				
		EU.Lithuania		0		
		EU.Malta	1	1	1	1
		EU.Netherlands	1	1		
		EU.Portugal	1	1	1	1
		EU.United Kingdom	1	1	1	
	FRANCE (St-Pierre et Miquelon)	**FR.St Pierre et Miquelon**	-0.2			
	GABON	Gabon		1		
	GHANA	Ghana	1	1	-0.2	1
	GRENADA	Grenada				
	GUATEMALA	Guatemala	1	1	1	1
	GUINEA BISSAU	Guinea Bissau				
	GUINEA ECUATORIAL	Guinea Ecuatorial				
	GUINÉE REP.	Guinée Rep.				
	HONDURAS	**Honduras**				
	ICELAND	Iceland	1	1		
	JAPAN	Japan	1	1	1	1
	KOREA REP.	Korea Rep.	1	1	1	1
	LIBERIA	Liberia	-0.2	-0.2		
	LIBYA	Libya	1	1		
	MAROC	Maroc	1	1	1	1
	MAURITANIA	Mauritania				
	MEXICO	Mexico	1	1	1	1
	NAMIBIA	Namibia	1	1	1	1
	NICARAGUA	**Nicaragua**				
	NIGERIA	**Nigeria**				
	NORWAY	Norway	1	1	1	1
	PANAMA	Panama		-0.2	1	1
	PHILIPPINES	Philippines				
	RUSSIA	Russian Federation	1	1	1	1
	S. TOMÉ E PRINCIPE	S. Tomé e Príncipe	0	1		
	SENEGAL	Senegal	0	0	1	0
	SIERRA LEONE	**Sierra Leone**				
	SOUTH AFRICA	South Africa		1	1	-0.2
	St VINCENT & GRENADINES	St. Vincent and Grenadines	1	1	1	-0.2
	SYRIA	Syria	1	1	1	
	TRINIDAD & TOBAGO	Trinidad and Tobago	1	1	1	1
	TUNISIE	Tunisie	1	1	1	-0.2
	TURKEY	Turkey	-0.2	1	-0.2	1
	UNITED KINGDOM (O.Territories)	UK.Bermuda	1	-0.2		
		UK.British Virgin Islands				
		UK.Sta Helena	1	1	0	0
		UK.Turks and Caicos				
	UNITED STATES	U.S.A.	1	1	1	1
	URUGUAY	**Uruguay**				
	VANUATU	**Vanuatu**				
	VENEZUELA	Venezuela	0	-0.2	0	-0.2
NCC	Bolivia	**Bolivia**				
	Chinese Taipei	Chinese Taipei	1	1	1	1
	Costa Rica	**Costa Rica**	-0.2			
	Guyana	Guyana		0		
	Suriname	**Suriname**				

NOTES:

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NO TARGETTING ACTIVITY (some by-catch): EU.Netherlands, EU.United Kingdom, EU.Germany & others.

Table 6. Summary of the number of tags applied and recovered by flag CPC between 2017-09-09 and 2018-10-10 (flag CPCs that have carried out tagging are indicated in the columns and flag CPCs that have recovered are indicated in the rows). The figures shown include data received directly by ICCAT, as well as those provided by the GBYP and AOTTP projects.

Tableau 6. Résumé du nombre de marques apposées et récupérées par CPC de pavillon entre 2017-09-09 et le 2018-10-10 (les CPC de pavillon qui ont marqué sont indiquées dans les colonnes et les CPC de pavillon qui ont récupéré sont indiquées dans les files). Les montants indiqués incluent les données reçues directement par l'ICCAT ainsi que les données fournies par les projets GBYP et AOTTP.

Tabla 6. Resumen de número marcas puestas y recuperadas por CPC de pabellón entre 2017-09-09 y el 2018-10-10 (CPC de pabellón que han marcado indicadas en columnas y CPC de pabellón que han recuperado indicados en filas). Las cifras mostradas incluyen los datos recibidos directamente por ICCAT, así como los aportados por los proyectos GBYP y AOTTP.

	Brasil	Canada	Côte D'Ivoire	EU.Denmark	EU.España	EU.France	EU.Ireland	EU.Italy	EU.Portugal	EU.Sweden	EU.United Kingdom	S. Tomé e Príncipe	UK.Sta. Helena	Uruguay	U.S.A.	South Africa	UNCL.FLEETS	Grand Total
Belize					68							1						69
Brasil	6													1			1	8
Bahamas					5													5
Canada		9															1	10
Côte D'Ivoire			86															86
Cape Verde	1				74				4									79
Curaçao	1				469				4			1						475
Algerie					8													8
EU.España	1	5			4515	3	11		21		3				48		50	4657
EU.France	3				353	1									1		3	361
EU.Greece																	1	1
EU.Croatia																	3	3
EU.Italy																	7	7
EU.Malta																	6	6
EU.Portugal					45		1		191		4				10			251
Ghana	1				223				1									225
Guatemala	1				19													20
Japan					2												2	4
Maroc					2													2
Panama					390				9									399
Senegal			1		2122				15									2138
El Salvador					315				19									334
Turkey																	1	1
UK.Sta. Helena													29					29
U.S.A.					14													14
UNCL.FLEETS	703		504		2885				77			15	6	2		4	10	4206
Not Recovered	29758	1305	2122	2	34205	262		227	7651	14		3365	898	572		192	1	80574
Total	30475	1319	2713	2	45714	266	12	227	7992	14	7	3382	933	575	59	196	86	93972

Table 7. Summary of the conventional tags distributed by the Secretariat between 2017-09-09 and 2018-10-10.
Tableau 7. Résumé des marques conventionnelles distribuées par le Secrétariat entre le 2017-09-09 et le 2018-10-10.
Tabla 7. Resumen de las marcas convencionales distribuidas por la Secretaría entre 2017-09-09 y el 2018-10-10.

TagAlfa	From	To	Quantity	DateSent	Institution	Principal Investigator	Country
BYP	27651	27750	100	12-09-17	Environment and Sustainability Institute	Matthew Witt	EU.UNITED KINGDOM
BYP	77601	77700	100	12-09-17	Environment and Sustainability Institute	Matthew Witt	EU.UNITED KINGDOM
BYP	77701	77800	100	19-09-17	Stanford University	Barbara Block	USA
BYP	27751	27950	200	22-01-18	Associacio Catalana per a una Pesca Responsable (ACPR)	Gemma Quilez-Badia	EU.ESPAÑA
BYP	27951	28950	1000	26-03-18	The Italian Federation Sport Fishing (FIPSAS)	Antonio Catalano	EU.ITALY
BYP	28951	29000	50	10-04-18	Associacio Catalana per a una Pesca Responsable (ACPR)	Gemma Quilez-Badia	EU.ESPAÑA
BYP	29101	29200	100	10-04-18	Associacio Catalana per a una Pesca Responsable (ACPR)	Gemma Quilez-Badia	EU.ESPAÑA
BYP	29201	29350	150	20-04-18	WWF Mediterranean Marine Initiative	Alessandro Buzzi	EU.ITALY
BYP	29351	29375	25	20-04-18	National Institute of Fisheries Science	Doo Nam Kim	KOREA
SEC	11025	11074	50	16-05-18	Portuguese Ocean and Atmosphere Institute (IPMA)	Rui Coelho	EU.PORTUGAL
BYP	77801	78800	1000	05-06-18	Goverment of Canada (Fisheries and Oceans)	Alex Dalton	CANADA
BYP	29376	29425	50	27-07-18	Marine Institute	Niall Ó Maoiléidigh	EU.IRELAND
BYP	29426	29475	50	27-07-18	Institute of Marine Research	Leif Nøttestad	NORWAY
BYP	29476	29525	50	21-08-18	Technical University of Denmark	Kim Aarestrup	EU.DENMARK
BYP	29526	29725	200	03-09-18	Technical University of Denmark	Kim Aarestrup	EU.DENMARK

Table 8. Summary of information provided in form ST09-NatObProg on by-catch species (including discards) by CPCs for 2018. Values are in numbers and weight in kg
Tableau 8. Informations saisies dans le formulaire ST09-NatObProg sur les espèces de prise accessoire (rejets y compris) par CPC au titre de 2017. Les valeurs sont exprimées en kg et nombre.
Table 8. Información de 2017 sobre especies de captura fortuita (descartes incluidos) proporcionada por las CPC en el formulario ST09-NatObProg. Los valores están expresados en kg y en número.

Row Labels	1-Tuna (major sp.)	1-Tuna (other sp.)	1-Tuna (small t.)	2-Sharks (major sp.)	2-Sharks (other sp.)	3-Teleosts	4-Mammals	5-Seabirds	6-Turtles
Number									
Belize	382	13	190	13	0				
Canada	2713	0	1	6181	43		1	18	17
China PR	13014	331	229	5003	736	1118			
Chinese Taipei	76490	1194	2101	4151	17	1035	0		0
Curaçao	372	8	11407	0	13	41403			0
El Salvador	37	315	4718	0	0	28998			0
EU.Cyprus	675		3						
EU.France	15429	26576	7558	29	76	181184	7	0	0
EU.Portugal	2544	142	348	6528	638	28			166
Ghana	0								
Japan								509	243
Korea Rep.	4530	3082		1812					11
South Africa					9			5	2
Turkey	462								
U.S.A.	9006	332	1303	630	20	1	0	0	0
EU.Espana	12241	56	1209	293	6485	181	4	20	27
EU.Italy	1353								5
Panama	139		3506	2	3	17904	0		0
Sum of Catch Weight (kg)									
Belize	14375	130	1641	369	0				
Canada	181700	2	15	268243	5632		120	28	1488
China PR	452564	1078	0	0	0	0			
Chinese Taipei	2606759	18078	22419	97128	314	11894	0		0
Curaçao	46187	557	1345030	0	336	207006			0
El Salvador	19468249	38660	818586	0	0	62056			0
EU.Cyprus	17345		11						
EU.France	193437	8279	346166	681	3036	181512	750	0	0
EU.Portugal	0	0	0	0	0	0			0
Ghana	72691000								
Japan								0	0
Korea Rep.	406455	171017		25312					0
South Africa					264			0	30
Turkey	9179								
U.S.A.	0	0	0	0	0	0	0	0	0
EU.Espana	239806.19	561.8	7253.33	4679.28	28382	1592.9	540	20	396.2
EU.Italy	125279.04								0
Panama	11305		36271	100	179	28080	0		0
Sum of Number of Live Discards									
Belize	4	0	0	0	0				
Canada	129	0	0	4970	36		0	1	17
China PR	10	17	10	559	188	80			
Chinese Taipei	294	38	67	1628	604	492	0		7
Curaçao	6	0	17	61	2645	11572			208
El Salvador	0	0	3	53	1760	53300			138
EU.Cyprus	4		0						
EU.France	580	9747	97	21.5	981.5	108556	3.5	0	138
EU.Portugal	19	1	0	27	35	11			129
Ghana	0								
Japan								7	115
Korea Rep.	45	14		1728					11
South Africa					7			0	2
Turkey	0								
U.S.A.	813	276	239	1371	1831	187	22	2	39
EU.Espana	6	0	2	0	0	1	4	9	16
EU.Italy	0								0
Panama	1		6	9	740	3351	7		37
Sum of Number of Dead Discards									
Belize	11	5	3	1	47				
Canada	179	0	0	640	6		1	3	0
China PR	151	19	62	149	45	79			
Chinese Taipei	4085	121	225	5697	4810	872	4		9
Curaçao	48486	0	259548	15	1137	65311			0
El Salvador	0	9	386	11	778	113329			0
EU.Cyprus	0		0						
EU.France	70024	9751	143220	16.5	1005.5	167182	3.5	0	1
EU.Portugal	34	4	1	9	482	1			25
Ghana	0								
Japan								502	128
Korea Rep.	35	134		140					0
South Africa					1			5	0
Turkey	0								
U.S.A.	1510	172	387	280	526	42	0	2	1
EU.Espana	2368	2	61	215	6437	125	0	10	11
EU.Italy	0								0
Panama	15090		38057	0	293	24464	8		0
Total Number	**139387**	**32049**	**32573**	**24642**	**8040**	**271852**	**12**	**552**	**471**
Total Sum of Catch Weight (kg)	**96463640.23**	**238362.8**	**2577392.33**	**396512.28**	**38143**	**492140.9**	**1410**	**48**	**1914.2**
Total Sum of Number of Live Discards	**1911**	**10093**	**441**	**10427.5**	**8827.5**	**177550**	**36.5**	**19**	**857**
Total Sum of Number of Dead Discards	**141973**	**10217**	**441950**	**7173.5**	**15567.5**	**371405**	**16.5**	**522**	**175**

Table 9. Information on dead discards (DD) and live discards (DL) landings of by-catch species (T1NC) by CPCs for 2017. Values are rounded to the nearest integer so that '0' actually represent positive values of less than one.
Tableau 9. Informations fournies sur lès débarquements (T1NC) d'espèces accessoires, par CPC, pour 2017. Les valeurs sont arrondies à l'entier le plus proche pour que "0" représente réellement des valeurs positives inférieures à un.
Tabla 9. Información facilitada sobre desembarques (T1NC) de especies de captura fortuita por CPC para 2017. Los valores están expresados en t. Los valores se redondean al entero más cercano para que '0' represente valores positivos de menos de uno.

		Contracting Parties																																		Non contacting cooperating parties	Non Contracting Other
Row Labels	ScieName	Brazil DD	Canada DD	Canada DL	Curaçao DD	Curaçao DL	Egypt DL	El Salvador DD	El Salvador DL	EU.Croatia DD	EU.Denmark DD	EU.España DD	EU.España DL	EU.France DD	EU.France DL	Guatemala DD	Guatemala DL	Iceland DL	Japan DD	Korea Rep. DD	Korea Rep. DL	Libya DL	Maroc DL	Mexico DD	Mexico DL	Panama DD	Panama DL	Russian Federation DD	Russian Federation DL	Syria DL	Trinidad and Tobago DL	U.S.A. DD	U.S.A. DL	UK.Bermuda DL	UK.Sta Helena DL	Venezuela DD	Venezuela DL	Chinese Taipei DD	Saint Kitts and Nevis DL
1-Tuna (major sp.)																																							
ALB	Thunnus alalunga		0	0										0							0		0		0						0			0		302			
BET	Thunnus obesus		0	0										38							1		0		0						0				0				0
BFT	Thunnus thynnus		1	11			0			5								0	5		0	0	0		1					0		11							
BUM	Makaira nigricans		0	0	4	0						6	0	11	0	2	0				0		0	0	1	2	0					46	92	27	0			26	0
SAI	Istiophorus albicans				0	0		0				0	0	3		0	0				0			0	0	0					0	6	16					4	0
SKJ	Katsuwonus pelamis													94							0		0		0				0						0				0
SPF	Tetrapturus pfluegeri																								0													1	
SWO	Xiphias gladius		21	30		0							0	0			0				0	0	0	0	1						0	107	32					129	0
WHM	Tetrapturus albidus		0	0		0							0				0				0		0		0							5		1				2	
YFT	Thunnus albacares		0	0										63							2		0	3	11						0			0	0				0
2-Tuna (small)																																							
FRI	Auxis thazard													78									0						0					0					
BLF	Thunnus atlanticus																							0	0						0			1					
BLT	Auxis rochei													9															0										
BON	Sarda sarda													0								0	0		0				0										
BOP	Orcynopsis unicolor																						0																
BRS	Scomberomorus brasiliensis																														0								
DOL	Coryphaena hippurus													9	1						0										0			0					0
KGM	Scomberomorus cavalla																				0				0						0								0
LTA	Euthynnus alletteratus													107								0	0						0		0			0					
SSM	Scomberomorus maculatus																								0														0
WAH	Acanthocybium solandri													14	0						0			0	0						0			0	0				0
3-Tuna (other)																																							
BIL	Istiophoridae				0	0		4	0			0	0	0		0	0				0					0													
BLM	Makaira indica					0							0				0																						
SBF	Thunnus maccoyii																			3	2																		
SSP	Tetrapturus angustirostris																																					3	
TUN	Thunnini																				0																		
4-Sharks (major)																																							
BSH	Prionace glauca		32	239	2	4		1	4			1	2	1	1	1	3			46	44		0		0	1	3	0	0		0	38						235	
POR	Lamna nasus		2	24	0	0		0	0			0	0			0	0									0						6						0	
SMA	Isurus oxyrinchus		0	2	0	1		0	1			1	2	0	0	0	1			0	1		0	0	2	0	1	0	0		0	4			0			4	
5-Sharks (other)																																							
ALV	Alopias vulpinus														0																							8	
BSK	Cetorhinus maximus			4																																			
BTH	Alopias superciliosus				0	0		0	0			0	0			0	0				2					0	0					27				0	0	3	
FAL	Carcharhinus falciformis				40	73		49	79			69	101	53	151	21	50							0	3	28	51					20				0	0	0	
GNC	Ginglymostoma cirratum																														0								
LMA	Isurus paucus																														0	13							
MAN	Mobulidae				0	4		0	1			1	11	4	6	0	1									0	1												
MSK	Lamnidae			1		0			0				0				0										0												
OCS	Carcharhinus longimanus	6			0	0		0	0			0	2	0	0	0	0								0	0	0					2				1		0	
PLS	Pteroplatytrygon violacea			0	0	0		0	0			0	0	0	0	0	0									0	0												
PTH	Alopias pelagicus																																					0	
RHN	Rhincodon typus					18			17				21		9		13										13												
RMB	Manta birostris		0	1	0	1		0	1			0	4			0	0									0	0												
RMJ	Mobula japanica				1	3		0	2			2	8	0	2	0	1									0	1												
RMM	Mobula mobular				1	1		2	1			3	2	3	7	0	1									0	0												
RSK	Carcharhinidae				2	1		1	2			0	2	3	2	1	1						0			1	1				0								
SKH	Selachimorpha(Pleurotremata)																			0	0																		
SPK	Sphyrna mokarran		0	0	1	2		1	1			2	5		1	1	1									1	1					1				0			
SPL	Sphyrna lewini				2	9		2	5			5	18	2	2	1	4									1	3	0	0			54				0		0	
SPN	Sphyrna spp																								0						0	18							
SPY	Sphyrnidae				0	0		0	0			0	0			0	0									0	0												
SPZ	Sphyrna zygaena				1	4		0	2			1	9	2	1	0	1									0	1	0	0			4						1	
STT	Dasyatidae				0	0		0	0			0	0	0	0	0	0									0	0												
THR	Alopias spp		0	1		0			0				0				0								0		0					38							
6-Other Species																																							
ALM	Aluterus monoceros													0	0																								
BRZ	Bramidae																				0																		
BVP	Balistes punctatus													0																									
CNT	Canthidermis maculata													48	25																								
DIY	Diodon hystrix													0	0																								
GAR	Belone belone										0																												
GBA	Sphyraena barracuda													1																									
LGH	Lagocephalus lagocephalus													0																									
MOX	Mola mola													5	1						0																		
MRW	Masturus lanceolatus													0																									
POA	Brama brama																				0																		
RRU	Elagatis bipinnulata													38	10																								
RUB	Caranx crysos													319	52																								
TRG	Balistes carolinensis													0	0																								
USE	Uraspis secunda													0	1																								
YTL	Seriola rivoliana													3	9																								
7-Turtles																																							
DKK	Dermochelys coriacea			1											3																								
LKV	Lepidochelys olivacea														253																								
TTH	Eretmochelys imbricata													0	0																								
TTL	Caretta caretta			0											2																								
TTX	Cheloniidae														0																								
TUG	Chelonia mydas														0																								
8-Seabirds																																							
LHZ	Larus argentatus		0	0																																			
LVU	Larus marinus			0																																			
PUG	Puffinus gravis			0																																			

Table 10. Sea turtle species dead discard (DD) and live discards (DL) data reported on form ST09-NatObProg by CPCs and cooperating parties for 2017.
Tableau 10. Informations saisies dans le formulaire ST09-NatObProg sur les espèces de tortues marines (rejets y compris) par CPC au titre de 2017. Les valeurs sont exprimées en kg et nombre.
Table 10. Información de 2017 sobre especies de tortugas marinas (descartes incluidos) proporcionada por las CPC en el formulario ST09-NatObProg. Los valores están expresados en kg y en número.

Row Labels	Green turtle	Hawksbill turtle	Leatherback turtle	Loggerhead turtle	Marine turtles nei	Olive Ridley turtle
Sum of catch numbers						
Canada				6	11	
Chinese Taipei		0		0	0	0
Curaçao		0	0	0	0	0
El Salvador		0		0	0	0
EU.France		0	0	0	0	0
EU.Portugal				27	74	65
Japan				44	142	24	33
Korea Rep.				11		
South Africa					2	
U.S.A.				0	0	
EU.Espana				1	21	5	
EU.Italy					5	
Panama		0				0
Sum of catch Weight (kg)						
Canada				1135	353	
Chinese Taipei		0		0	0	0
Curaçao		0	0	0	0	0	0
El Salvador		0		0	0	0	0
EU.France		0	0	0	0	0	0
EU.Portugal				0	0		0
Japan				0	0	0	0
Korea Rep.				0		
South Africa					30	
U.S.A.				0	0	
EU.Espana				100	264	32.2	
EU.Italy					0	
Panama		0					0
Sum of Number of Live Discards						
Canada				6	11	
Chinese Taipei		2		4	0		1
Curaçao		26	7	4	60	27	84
El Salvador		10		3	12	9	104
EU.France		8	5	8	39	9	69
EU.Portugal				23	63		43
Japan				40	56	14	5
Korea Rep.				11		
South Africa					2	
U.S.A.				31	8	
EU.Espana				0	11	5	
EU.Italy					0	
Panama		4					33
Sum of Number of Dead Discards						
Canada				0	0	
Chinese Taipei		2		3	2		2
Curaçao		0	0	0	0	0	0
El Salvador		0		0	0	0	0
EU.France		0	1	0	0	0	0
EU.Portugal				3	4		18
Japan				4	86	10	28
Korea Rep.				0		
South Africa					0	
U.S.A.				1	0	
EU.Espana				1	10	0	
EU.Italy					0	
Panama		0					0
Total Sum of catch numbers		**0**	**0**	**89**	**255**	**29**	**98**
Total Sum of catch Weight (kg)		**0**	**0**	**1235**	**647**	**32.2**	**0**
Total Sum of Number of Live Discards		**50**	**12**	**130**	**262**	**64**	**339**
Total Sum of Number of Dead Discards		**2**	**1**	**12**	**102**	**10**	**48**

Table 11. Seabird by-catch data reported on form ST09-NatObProg by CPCs for 2017.
Tableau 11. Informations saisies dans le formulaire ST09-NatObProg sur les espèces de d'oiseaux marins (rejets y compris) par CPC au titre de 2017. Les valeurs sont exprimées en kg et nombre.
Table 11. Información de 2017 sobre especies de aves marinas (descartes incluidos) proporcionada por las CPC en el formulario ST09-NatObProg. Los valores están expresados en kg y en número.

Row Labels	Albatrosses nei	Atlant. yellow-nosed albatross	Shy albatross	Grey-headed albatross	Black-browed albatross	Wandering albatross	Northern fulmar	Herring gull	Great black-backed gull	Hall's giant petrel	Antarctic giant petrel	Northern gannet	Grey petrel	Spectacled petrel	Sooty albatross	White-chinned petrel	Great shearwater	Balearic shearwater	Yelkouan shearwater	Cory's shearwater	Audouin's gull	Sooty shearwater
Sum of catch numbers																						
Canada								4	4								10					
EU.France																		0				
Japan	222			80	25	8	4			16	28	6	64	7	1	20	28					
South Africa		1	1													3						
U.S.A.							0	0				0										
EU.Espana												3						5	3	2	6	1
Sum of catch Weight (kg)																						
Canada								11	7								10					
EU.France																		0				
Japan	0			0	0	0	0			0	0	0	0	0	0	0	0					
South Africa		0	0													0						
U.S.A.							0	0				0										
EU.Espana												3						5	3	2	6	1
Sum of Number of Live Discards																						
Canada								1	0								0					
EU.France																		0				
Japan	4			1	0	0	0			1	0	1	0	0	0	0	0					
South Africa		0	0													0						
U.S.A.							0	1				1										
EU.Espana												3						2	1	2	0	1
Sum of Number of Dead Discards																						
Canada								3	0								0					
EU.France																		0				
Japan	218			79	25	8	4			15	28	5	64	7	1	20	28					
South Africa		1	1													3						
U.S.A.							1	1				0										
EU.Espana												0						3	2	0	5	0

Table 12. Historical revisions to Task I nominal catch (t), by flag, species and year, which have been integrated into the ICCAT-DB system (with an SCRS document).

decade/year

SpeciesGrp	Species	Stock	Flag	1950 (decade::SUM)	1960	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Remarks
Tuna (major sp.)	ALB	ATS	Brazil																																		271	1269	2077	2016	BRA revision (2010-16): SCRS/2018/053
	BET	A+M	Belize																			10		5			47														WG-TROP (BET data prep. meeting updates, see report) :
			Brazil								41														132												1173	1841	2120	3623	- BRA revision (2010-16): SCRS/2018/053
			Ghana																											4915	6057	5444	2307	2559	3372	4515	6253	3541	4276	3818	- GHA update (2006-17) : SCRS/2018/109
			Maroc												2	8	68																								- others: WG
			Panama						338	1141	157			85	18	85	892																								**APPROVED**
	BUM	A+M	Brazil																																		130	63	48	114	WG-BIL (BUM data prep. meeting updates, see report):
			China PR																														99								-BRA revision (2010-16): SCRS/2018/053
			Côte d'Ivoire								100	100	100	100	87	45	67	76	56	104	151	134	113	157	66	189	288	208	111	171	115	21	8	132	66	49	44	15	45	42	- GRE/DOM revision (2000-16): SCRS/2018/012
			Cuba															189	204	69	39	85	43	53		38	55	56													- CIV revision (1988-16): SCRS/2018/021
			Dominican Republic																								23		115	207	142	30	38	47	67	60	65	100	98	99	- BIL unclassified split (BUM/WHM/SAI): WG
			EU.España																																	118	93	116	157	107	- Liberia catch reconstruction: WG
			Grenada												21	23	30	36	30	33							87	104	69	72	45	42	33	49	54	32	69	53	32	63	- others: WG
			Liberia																				148	148	701	420	712	235	158	115	188	304	162	274	76	56	46	133	94	178	
			Mixed flags (FR+ES)																																			186	181	191	**APPROVED**
			Namibia																										3		5	9	57		50	2					
			NEI (BIL)																									170	258	159	30							34			
			Philippines																																				1	2	
			S. Tomé e Príncipe																																	70	72	74	76	78	
	SAI	ATE	NEI (BIL)																																			44			WG-BIL (as for BUM data preparatory meeting):
			S. Tomé e Príncipe																																	119	121	124	127	131	...
		ATW	Brazil																																		71	137	108	76	**APPROVED**
			NEI (BIL)																																			21			
	SKJ	ATE	Ghana																														31934	35419	38648	43922	45505	44169	52627	44443	WG-TROP (as for BET data prep. meeting) :
			Liberia																																			40	61	80	...
			Maroc												1616	1222	5677																								**APPROVED**
			Panama						1560	3383	927	590	540	791	1378	1041	5192																								
		ATW	Brazil																																		23456	30571	30863	32438	
	SPF	ATE	NEI (BIL)																																			4			WG-BIL (as for BUM data preparatory meeting):
		ATW	Brazil																																			24	4	325	**APPROVED**
	SWO	ATS	Brazil																																		2926	3033	2833	2384	BRA revision (2010-16): SCRS/2018/053
			S. Tomé e Príncipe																																	188	193	60	84	60	STP revision: SCRS-P-2018-005
	WHM	A+M	Brazil																																		35	60	71	352	WG-BIL (as for BUM data preparatory meeting):
			NEI (BIL)																																			11			...
			S. Tomé e Príncipe																																	37	38	39	40	41	**APPROVED**
	YFT	ATE	Ghana																														14037	15570	16521	15858	20252	18501	18775	15974	WG-TROP (as for BET data preparatory meeting) :
			Liberia																																			49	71	89	...
			Maroc												1331	2305	5306																								**APPROVED**
			Panama						3121	5388	1104			2077	1809	3131	7295																								
		ATW	Brazil																																		3677	3615	4636	7277	
Tuna (small)	FRI	ATL	Brazil																																		204	347	259	227	WG-SMT meeting updates (see report):
			EU.España															10051	6131	8426	3990	3903	4495	3449	3154	3762	3385	3580	1074	1942	2450	1327	1423	2585	1685	2636	3117	3023	5770	2792	
			EU.France															2900	2943	5367	4041	2297	2745	1527	1648	1836	2242	2066	775	1059	1296	1138	644	612	222	684	1214	815	1183	1466	- BRA revision (2010-16): SCRS/2018/053
			Mauritania																														269	169	377	492	1420	1953	661	101	- ESP revision (faux poissons): SCRS/2018/012
			S. Tomé e Príncipe								32				23	32	35	41	39	33	37	48	79	223	197	209									275	149	153				- FRA revision (faux poissons): SCRS/2018/023
	BLF	A+M	Brazil																																		9	46	124		- reclassify/split KGX (Scomberomorus spp.): BRS/KGM
	BLT	A+M	Brazil																																				94	406	- updates/corrections to gears/areas: WG
	BON	ATL	Brazil																																			171		38	Mauritanea revision: WG
			Mauritania																														1303	839	1850	2384	6890	9463	3193	514	- others: WG
			S. Tomé e Príncipe																																	145	147				
	BRS	A+M	Brazil	976	7209																																	3		6	
	DOL	A+M	Brazil																																		2899	4379	641	775	
	KGM	A+M	Brazil	824	6091																																				
			Mexico	3690																																					
	LTA	ATL	Brazil																																			22	581		**APPROVED**
			EU.España															335	188	707	1127	454	284	353	295	194	751	1197	209	656	508	206	213	1253	944	1181	1320	2067	1105	732	
			EU.France															211	413	844	1169	272	391	540	777	541	821	1192	396	710	1058	367	205	262	122	241	901	1061	675	693	
			Liberia																																			673	256	176	
			Mauritania																														670	423	943	1222	3549	4878	1634	252	
			S. Tomé e Príncipe								101				30	36	52	46	48	41	40	43	40	50	39	37									183	188	193				
	MAW	A+M	Gabon																														87	93	17	22	30	34	46	42	
			Mauritania																														207	319	176	203	275	193	152	110	
			S. Tomé e Príncipe												6	4	6	5	3	5	6	6	8	7	8	5									91	93	96				
	SSM	A+M	Mexico	13110																																					
	WAH	A+M	Brazil																																		19	357	213	477	
			Mauritania																															0			54	263	48	1591	
			S. Tomé e Príncipe												23	20	28	34	27	36	39	46	80	52	56	62						88	76		131	235	241				
Sharks (major)	BSH	ATS	Brazil																																		1500	1980	1607	2013	WG-Sharks meeting updates (see report):
	SMA	ATN	Chinese Taipei					32	52	59	70	71	78	22	4	2	9	39	16	9																					- BRA revision (2010-16): SCRS/2018/053
			Maroc																											147	169	215	220	151	283	476	636				- added in Task I reconstruction of TAI/MAR catch series (estimated by the WG during 2017)
		ATS	Brazil			185	96	40	62	47	28	34	46	57	70	71	103	79	158	122	95	119			233												128	192	196	276	
			China PR																												68	45	70								
			Chinese Taipei					108	131	59	36	91	87	66	35	29	36	80	44	31																					**APPROVED**

Table 13. Task I catches (t), by flag, species, fleet and year, which were not integrated into the ICCAT-DB system due to various reasons. Those series require SCRS guidance and approval.
Tableau 13. Prises de Tâche I (t) par pavillon, espèce, flottille et année, qui n'ont pas été saisies dans le système de bases de données de l'ICCAT pour divers motifs. Ces séries doivent être soumises à l'orientation et approbation du SCRS.
Tabla 13. Capturas de Tarea I (t) por pabellón, especie, flota y año, que no fueron integradas en el sistema de bases de datos de ICCAT debido a diversas razones. Estas series requieren la orientación y aprobación del SCRS.

SpeciesGrp	Species	Flag	Fleet	Gear	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	...	2017	Remarks
Tuna (major sp.)	BET	St. Vincent and Grenadines	VCT	LL																															2	VCT reported Task I (2 t for 2017). Waiting confirmation: (889 t, carry over preliminary estimations WG-TROP) DISCARDED
		St. Vincent and Grenadines	VCT	TROL																															0	
	BUM	EU.France	EU.FRA-FR-GP	LL-deri					10	24	29	43	90	95	100	133	143	148	162	171	181	181	181	181	181	181	176	203	208	18	88	84	103			FRA historical revision revision (document ?) not used in stock assessment POSTPONED
			EU.FRA-FR-MQ	LL-deri	11	11	36	36	36	40	45	45	49	54	54	64	89	109	123	134	148	159	159	164	179	179	176		124	125	158	125	67			
		EU.France	EU.FRA-FR-ETRO	PS																						1	6	12	8	42	25	42	18			
	SAI	Gabon	GAB	TRAW																				4	1					0						Gabon revision (document ?): ADOPTED
	SWO	Gabon	GAB	TRAW																				2	1				2	0					
	YFT	Gabon	GAB	TRAW																				6	2			1	0	0					
Tuna (small)	MAW	Gabon	GAB	TRAW																				67	37	87	93	17	22	30	34	46	42			
Sharks (major)	SMA	Chinese Taipei	TAI	LL										94	119	162	181	177	273	218	167	199	120	250	294	206	153	199	230	235	334	253	142			WG-Sharks (2017 SMA catch rebuild): POSTPONED

Table 14. Flag CPCs who reported "zero" catches in the new Task I nominal catches sub-form ST02B (of ST02-T1NC) for 2017, by major species/stock
Tableau 14. CPC de pavillon ayant déclaré des captures « zéro » dans le nouveau sous-formulaire de prises nominales de la Tâche I ST02B (du ST02-T1NC) pour 2017, par espèce/stock principal(e).
Tabla 14. CPC del pabellón que han comunicado capturas "cero" en el nuevo subformulario ST02B (del ST02-T1NC) de capturas nominales de Tarea I para 2017, por especie/stock principal.

		Tuna (major sp.)																		Tuna (small)						Sharks (major)			Sharks (other)							
		ALB			BET	BFT		BUM	SAI		SKJ		SPF		SWO			WHM	YFT		FRI	BON	BRS	KGM	LTA	SSM	BSH	POR	SMA	ALV	BTH	FAL	OCS	PTH	SPK	SPL	SPZ
Status	Flag	ALB-M	ALB-N	ALB-S	BET-A	BFT-E	BFT-W	BUM-A	SAI-E	SAI-W	SKJ-E	SKJ-W	SPF-E	SPF-W	SWO-M	SWO-N	SWO-S	WHM-A	YFT-E	YFT-W	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CP	Albania	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Algerie	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√		√	√	√	√	√	√	√	√		√	√	√
	Angola	√	√	√		√	√	√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√			√	√	√	√	√		√	√	√
	Barbados	√		√		√	√		√		√		√	√	√		√		√		√	√	√	√	√	√		√			√	√	√		√	√	
	Belize	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	Brazil	√	√			√	√	√	√	√	√		√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	Canada	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	Cape Verde	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	China PR	√					√				√	√			√						√	√	√	√	√	√		√		√	√	√	√		√	√	√
	Côte d'Ivoire	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	Curaçao	√	√			√	√	√	√	√			√	√	√	√	√	√				√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	Egypt	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	El Salvador	√	√	√		√	√						√	√	√							√	√	√	√	√				√							
	EU.Bulgaria	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√		√	√	√
	EU.Croatia	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√				√	√		√	√	√	√	√	√	√	√	√	√	√	√
	EU.Cyprus	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	EU.Denmark	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	EU.España	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	EU.France	√	√	√		√	√	√	√	√		√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	EU.Germany	√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√		√	√	√
	EU.Greece	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	EU.Ireland	√		√			√	√	√	√		√	√	√	√		√	√	√	√	√	√	√	√	√	√		√	√	√	√	√	√		√	√	√
	EU.Lithuania	√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√		√	√	√
	EU.Malta		√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	EU.Portugal	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	EU.United Kingdom		√		√	√		√	√				√			√		√	√		√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	Gabon	√	√	√	√	√	√	√		√	√	√	√	√	√	√		√		√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	Ghana	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	Guatemala	√	√			√	√			√			√	√	√							√	√	√		√				√							
	Iceland	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	Japan	√				√						√		√	√						√	√	√	√	√	√				√	√	√	√	√		√	√	√
	Korea Rep.	√					√			√		√	√	√	√				√	√	√	√	√		√	√		√			√		√			√	√	√
	Libya	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	Maroc	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	Mexico	√		√		√			√		√		√		√		√	√			√		√		√			√		√	√				√	√	√
	Namibia	√	√			√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	Norway	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√	√	√		√	√	√
	Russian Federation	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	Senegal	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	South Africa							√	√									√																			
	Trinidad and Tobago	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	Tunisie	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	Turkey	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	U.S.A.	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	UK.Bermuda	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
	UK.Sta Helena	√	√	√		√	√		√	√		√	√	√	√	√	√	√		√	√	√	√	√	√	√	√			√	√	√	√		√	√	√
	Venezuela	√	√	√		√	√	√	√	√	√		√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√
NCC	Chinese Taipei	√				√	√								√													√							√	√	
	Guyana	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
NCO	Saint Kitts and Nevis	√	√	√		√	√		√		√		√	√	√		√	√	√		√	√	√		√		√	√	√	√	√	√	√		√	√	√

Table 15. Summary of Task II catch & effort historical series updated during 2018 (by flag, gear, time-area stratification and year) and already in the ICCAT-DB system.
Tableau 15. Résumé des séries historiques de prise et effort de Tâche II mises à jour en 2018 (par pavillon, engin, stratification spatio-temporelle et année) et déjà saisies dans le système ICCAT-DB.
Tabla 15. Resumen de las series históricas de captura y esfuerzo de Tarea II actualizadas durante 2018 (por pabellón, arte, estratificación espacio-temporal y año) y ya introducidas en el sistema ICCAT-DB.

decade/year

Flag	GearCode	FleetCode	TStrata	GeoStrata	ProductType	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Remarks
Belize	PS	BLZ-BZ-ETRO	mm	1x1	LW																														1	1	1		1	
Cape Verde	PS	CPV-CV-ETRO	mm	1x1	LW																												1		1	1	1		1	
Curaçao	PS	CUW-CW-ETRO	mm	1x1	LW																												1		1	1	1		1	WG-TROP revisions/recoveries
EU.España	BB	EU.ESP-ES-ETRO	mm	1x1	LW																												1		1					(various BB/PS datasets recovered)
	PS	EU.ESP-ES-ETRO	mm	1x1	LW																												1		1					**ADOPTED**
Guatemala	PS	GTM-GT-ETRO	mm	1x1	LW																												1		1	1	1		1	
Panama	PS	PAN-PA-ETRO	mm	1x1	LW																												1		1	1	1		1	
Ghana	BB	GHA-GH-ETRO-A	mm	1x1	LW																											1		1	1	1	1	1	WG-TROP (Ghana revisions adopted):
		GHA	mm	1x1	LW																	1	1	1	1	1	1	1	1	1	1									- 1996-2005 (Tenerife meeting, 2014)
	PS	GHA-GH-ETRO-A	mm	1x1	LW																	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	- 2006-2010: SCRS/2018/104
		GHA-GH-ETRO-P	mm	1x1	LW																								1	1	1	1		1	1	1	1	1	1	
		GHA-GH-ETRO	mm	1x1	LW																														1					**ADOPTED**
Korea Rep.	LL	KOR	mm	5x5	LW																																1			Korea revision (year > month): **ADOPTED**
Côte d'Ivoire	PS	CIV-CI-ETRO	mm	1x1	LW	1	1	1	1	1	1																													WG-TROP (FIS split of T2CE provided by EU
EU.France	BB	EU.FRA-FR-ETRO	mm	1x1	LW	1	1	1	1	1	1	1	1	1	1	1																								scientists)
	PS	EU.FRA-FR-ETRO	mm	1x1	LW	1	1	1	1	1	1	1	1	1	1	1																								
Senegal	BB	SEN-SN-ETRO	mm	1x1	LW	1	1			1	1	1	1	1	1	1																								**ADOPTED**
	PS	SEN-SN-ETRO	mm	1x1	LW		1	1	1	1	1	1	1	1	1	1																								

Table 16. Summary of Task II size information historical series updated during 2018 (number of fish by species flag, gear, time-area stratification) and already in ICCAT-DB system.
Tableau 16. Résumé des séries historiques des données de tailles de Tâche II mises à jour en 2018 (nombres de poissons par espèce, pavillon, engin, stratification spatio-temporelle) et déjà saisies dans le système ICCAT-DB.
Tabla 16. Resumen de las series históricas de información sobre talla de Tarea II actualizadas durante 2018 (número de ejemplares por especie, pabellón, arte, estratificación espacio-temporal) ya en el sistema ICCAT-DB.

DSet	Species	Gear group	Flag	Time strata	Geog. strata	Freq. Type	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Remarks
T2SZ	BET	BB	EU.España	mm	1x1	SFL (2 cm)								1123	642	485	299									2412	1780	1795	1931	4508	5972	5195	9568	8471	3114	8219	7894	7872	4271	2201	WG-TROP work made during the 2018intersessional meeting (see report)
			St. Vincent and Grenadines	mm	1x1	SFL (2 cm)																				515	688	205	690	64											
			Panama	mm	1x1	SFL (2 cm)																				612	19	77													
			EU.France	mm	1x1	SFL (2 cm)	1899	832	674	1000	978	1354	2248	1919	1353	1434	56	1603	1164	760	931	532	20	2257	2456	1833	506	1339	1452	4224	2390	1520	3781	4332	1351	1302	828	1081	909	230	- European BB/PS full size revision provided (1980-2016) for the main species & by-catch species (ESP, FRA, NEI-ETRO split by flag, etc.)
			Venezuela	mm	1x1	SFL (2 cm)																								794	295									
			Curaçao	mm	1x1	SFL (2 cm)																					107	339	887	1273	1930	138									
			Senegal	mm	1x1	SFL (2 cm)	73					269	72	306	170	2	2								1388		397	950	2320	2440										- FIS (FRA+CIV+SEN) series split for years 1980-1990
			Ghana	mm	1x1	SFL (1/2 cm)									2											177							888		1301	1262	777	1377	742	555	
			Cape Verde	mm	1x1	SFL (2 cm)																							102												- Chinese Taipei review (harmonization by month, 5x5, 1 cm class bins, etc)
		PS	EU.España	mm	1x1	SFL (2 cm)	1580	1882	3025	3370	4255	3086	2931	2692	5486	2740	2281	3784	4290	2228	2547	6911	7994	6682	3293	2116	10310	15934	19873	12684	11378	9630	9245	8652	16512	15827	16265	21073	13061	19884	**ADOPTED**
			Maroc	mm	1x1	SFL (2 cm)	82	249	295	264	79	118	75	75	265	442	26	129		257	389	275	638	182	179	388	670	629	84	478	237	324	36								
			Japan	mm	1x1	SFL (2 cm)			27	44	152	230	112	169	230	32																									
			St. Vincent and Grenadines	mm	1x1	SFL (2 cm)											114	576	2115	842	444	1511	648	1239	361	947	875														
			Panama	mm	1x1	SFL (2 cm)	318	227	465	284	648	261	323	193	810	795	539	289		80	448	1806	2299	518	46		1267	152	183		191	4830	7275	5632	4177	6129	6766	6687	1852	5816	
			EU.France	mm	1x1	SFL (2 cm)	1432	1431	3055	3226	1011	699	399	733	1327	1486	680	2433	4526	10627	14229	14842	13551	6868	7607	7257	13793	6760	9022	5242	6721	4119	2786	2430	1493	2413	3669	3051	5365	3230	
			Venezuela	mm	1x1	SFL (2 cm)						2	140		361													67	235											
			Curaçao	mm	1x1	SFL (2 cm)																	697	795	2139		881	1815	610	2788	3654	505	1262	428	3426	6810	5891	6727	4671	5491	
			Guatemala	mm	1x1	SFL (2 cm)																							1520	947	4715	2383	2189	1511	1224	912	496	869	1350	
			Belize	mm	1x1	SFL (2 cm)																				718	997		36							583	1147	387	144	1472	
			Mexico	mm	1x1	SFL (2 cm)			35	243	303																													
			Senegal	mm	1x1	SFL (2 cm)		70	5	131	49	175	15	167	138																									
			Ghana	mm	1x1	SFL (1/2 cm)					78	437	337									96				632	2514	8436	1063	181		478	798	1744	1618	848	1467	1727	2195	
			Cape Verde	mm	1x1	SFL (2 cm)																								29	2859	2666	2848	1901	2460	2997	3787	1097	1503	
			NEI (ETRO)	mm	1x1	SFL (2 cm)	19	6	24	40	40	90	3	35	25	89		180		11	668	1515							150	5										
			Vanuatu	mm	1x1	SFL (2 cm)										142																								
			Côte d'Ivoire	mm	1x1	SFL (2 cm)	576	478	1181	745	250	61																												
		LL	Chinese Taipei	mm	5x5	SFL (1 cm)		13762	10163	5812	8375	8032	4767	6294	1056	2023	8349	2669	9612	10382	30504	88912	88202	69226	48949	48103	33269	25457	80828	95808	150942	172292	42239	168872							
	SKJ	BB	EU.España	mm	1x1	SFL (1 cm)									510	600	766	317								5169	5837	6375	18315	29678	29854	30180	51739	58408	70351	120776	65887	36294	76465	66737	
			St. Vincent and Grenadines	mm	1x1	SFL (1 cm)																				1028	415	1734	3178	385											
			Panama	mm	1x1	SFL (1 cm)																				1352	487	412													
			EU.France	mm	1x1	SFL (1 cm)	2828	1870	1381	2173	2074	1688	1723	2637	2511	2435	117	1366	886	1108	1078	1301	123	3434	7562	3554	716	5304	11843	18795	12840	15054	20440	24679	11238	14757	4800	2370	7399	4144	
			Venezuela	mm	1x1	SFL (1 cm)																								2138	3903									
			Curaçao	mm	1x1	SFL (1 cm)																					877	2184	6505	10456	9778	483									
			Senegal	mm	1x1	SFL (1 cm)		150				338	688	442	924	196	61									795		1686	5471	5317	13017										
			Ghana	mm	1x1	SFL (1 cm)									93												288						1017		813	636	495	1746	1920	1485	
			Cape Verde	mm	1x1	SFL (1 cm)									354														95											
		PS	EU.España	mm	1x1	SFL (1 cm)	15488	11636	14222	23783	42649	25977	33877	37960	71291	38281	24442	41979	28144	14127	15683	39067	29159	33320	24211	22158	78618	83466	91527	131267	106656	81906	106652	75101	118375	116967	114885	165779	122324	164811	
			EU.Portugal	mm	1x1	SFL (1 cm)		50			108																													
			Maroc	mm	1x1	SFL (1 cm)	1318	2356	2683	2558	677	454	756	463	2149	2820	778	943		2338	2209	2207	2670	1079	1939	2772	2218	3935	2346	6867	6150	6511	1299								
			Japan	mm	1x1	SFL (1 cm)				592	2463	1867	1664	1958	4090	2076																									
			St. Vincent and Grenadines	mm	1x1	SFL (1 cm)											917	3492	7242	3262	2038	2968	1738	3393	5669	3935	5604													
			Panama	mm	1x1	SFL (1 cm)	1266	1628	2198	1260	5876	2510	3377	3834	8270	5759	6653	3390		680	2798	9800	7604	2376	1139		5647	1214	2860		1725	49032	70819	83733	33373	35975	30014	41100	21792	56329	
			EU.France	mm	1x1	SFL (1 cm)	13573	15754	22037	19876	6468	3925	5749	10467	15330	15084	8983	21108	24436	40569	43234	50540	45817	21450	45858	67947	83857	62926	72052	73980	86790	60233	33098	16656	18632	24372	42907	45674	47191	53766	
			Venezuela	mm	1x1	SFL (1 cm)						426	600		2870													952	2780											
			Curaçao	mm	1x1	SFL (1 cm)																	2140	4786	4977		5809	6814	2280	18984	36437	6756	15185	5037	22587	35644	40409	44780	42720	57781	
			Guatemala	mm	1x1	SFL (1 cm)																							7658	7714	26759	19230	18670	15686	13392	9047	4402	12730	15034	
			Belize	mm	1x1	SFL (1 cm)																				815	2152		561							7280	7840	4894	10827	11724	
			Mexico	mm	1x1	SFL (1 cm)			146	3183	1242																													
			Senegal	mm	1x1	SFL (1 cm)		105	497	1151	728	2330	1451	1321	526	70																								
			Ghana	mm	1x1	SFL (1 cm)					2170	3622	963									1513				2938	9843	21303	6144	4431		2223	8303	8048	5630	388	1145	1931	2200	
			Cape Verde	mm	1x1	SFL (1 cm)																								719	29714	29877	20080	15482	22897	23452	27610	17608	29297	
			NEI (ETRO)	mm	1x1	SFL (1 cm)	211	344	494	391	121	1448	112	492	469	703		1026		89	1325	3824							300											
			Vanuatu	mm	1x1	SFL (1 cm)										1792																								
			Côte d'Ivoire	mm	1x1	SFL (1 cm)	4993	4929	7815	6264	2193	998																												
	YFT	BB	EU.España	mm	1x1	SFL (2 cm)								991	427	477	395									309	887	1476	3353	4646	8445	6328	6243	4970	4536	7481	10479	7382	2628	3672	
			St. Vincent and Grenadines	mm	1x1	SFL (2 cm)																				117	6	213	997	123											
			Panama	mm	1x1	SFL (2 cm)																				164	29	71													
			EU.France	mm	1x1	SFL (2 cm)	2410	1009	1094	1424	1853	1484	3178	3522	2822	2118	77	2467	1752	1332	1363	428	27	1644	1393	745	13	1358	3891	4271	3305	2759	2509	2819	3118	2540	1673	2662	2090	125	
			Venezuela	mm	1x1	SFL (2 cm)																								513	994									
			Curaçao	mm	1x1	SFL (2 cm)																					78	154	896	2667	3825	31								
			Senegal	mm	1x1	SFL (2 cm)	106					319	764	646	578	332	67									78		638	1205	1668	2328										
			Ghana	mm	1x1	SFL (1/2 cm)									160												75						1120		1979	1875	1394	4256	3518	3042	
			Cape Verde	mm	1x1	SFL (2 cm)									98														303											
		PS	EU.España	mm	1x1	SFL (2 cm)	13476	11953	16668	21285	22569	36076	31595	40463	41888	40615	23883	17289	19329	8656	10578	27591	28177	21689	9656	2243	22585	35420	31868	25399	21390	19091	16112	15585	27129	36151	26167	23098	17826	20071	
			EU.Portugal	mm	1x1	SFL (2 cm)			34		4																													
			Maroc	mm	1x1	SFL (2 cm)	1460	2312	1537	1246	388	568	1838	735	2344	3177	1263	899		842	1158	1769	3894	1478	617	316	1659	4060	2245	1122	509	1740	114								
			Japan	mm	1x1	SFL (2 cm)			156	457	1892	2853	2598	2427	1997	1094																									
			St. Vincent and Grenadines	mm	1x1	SFL (2 cm)											373	2979	6321	2562	2141	5453	3488	3908	3882	5530	8438													
			Panama	mm	1x1	SFL (2 cm)	1272	1706	2058	1744	2429	5085	4802	2123	3657	6739	5239	3142		430	2357	5672	4877	2708	2179		2465	1705	1610		734	7494	10943	11853	6114	7803	4869	4364	4757	4220	
			EU.France	mm	1x1	SFL (2 cm)	16366	17556	18448	17475	3315	4051	9018	10938	14001	25212	20508	19523	27809	38608	35496	48056	50307	37842	40139	45632	63549	53776	41337	41368	42631	32694	23545	13888	23430	20677	18032	21312	25057	27850	
			Venezuela	mm	1x1	SFL (2 cm)						235	339	578	1603	365													793	195											
			Curaçao	mm	1x1	SFL (2 cm)																	810	1737	2030		1426	1615	357	3109	5175	869	1966	839	3136	7320	6300	4437	6719	6184	
			Guatemala	mm	1x1	SFL (2 cm)																							1401	1373	3969	3550	2651	2990	1758	1748	432	1876	2416	
			Belize	mm	1x1	SFL (2 cm)																					522	438		60							1710	1479	1159	2445	6567	
			Mexico	mm	1x1	SFL (2 cm)			236	2130	684																													
			Senegal	mm	1x1	SFL (2 cm)		74	253	800	468	2646	973	916	760																									
			El Salvador	mm	1x1	SFL (2 cm)																							395												
			Ghana	mm	1x1	SFL (1 cm)																											494		1028	1423	1178	3145	4102	5571	
						SFL (2 cm)					1218	4118	2069	75								470				194	1307	2076	1649	1595		58	1020	2048	1461					
			Cape Verde	mm	1x1	SFL (2 cm)																								29	6473	6196	3479	4385	3433	3884	2652	3422	4777	
			NEI (ETRO)	mm	1x1	SFL (2 cm)	197	362	221	184	11	540	544	445	431	929		596	281	226	677	2925							226	588										
			Vanuatu	mm	1x1	SFL (2 cm)										589																								
			Côte d'Ivoire	mm	1x1	SFL (2 cm)	5055	4469	6355	5340	897	1355																												
	ALB	PS	EU.España	mm	1x1	SFL (2 cm)			8	276	76	351	392			69	80	256	741	391	141	242	23	50	101		10	4	113	403		27	11		111	132	87	164	378	69	
			Maroc	mm	1x1	SFL (2 cm)					57	101					2	3		1				1	4				212											
			St. Vincent and Grenadines	mm	1x1	SFL (2 cm)														53	47	5	142	31				169												
			Panama	mm	1x1	SFL (2 cm)											1	8			185	1	30				91				31				1		12			
			EU.France	mm	1x1	SFL (2 cm)	104	173	240	409	49		54							803	264	524	473	4	90	263	178	115	3	94	39	60	209	3	183	340	53	42	48	4	
			Curaçao	mm	1x1	SFL (2 cm)																		64	40			1								3			99	6	
			Guatemala	mm	1x1	SFL (2 cm)																														97		21		
			Belize	mm	1x1	SFL (2 cm)																														4		8	109	
			Mexico	mm	1x1	SFL (2 cm)				182																														
			Ghana	mm	1x1	SFL (2 cm)																							115											
			Cape Verde	mm	1x1	SFL (2 cm)																									51			9	2			52		
			NEI (ETRO)	mm	1x1	SFL (2 cm)												21			9	93								5										
			Côte d'Ivoire	mm	1x1	SFL (2 cm)	44	31	179	94																													

DSet	Species	Gear group	Flag	Time strata	Geog. strata	Freq. Type	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Remarks
	FRI	BB	EU.España	mm	1x1	SFL (1 cm)																							10	14	43	95	25	53	16	153	442	175	57	45	
			St. Vincent and Grenadines	mm	1x1	SFL (1 cm)																					1	5	5													
			EU.France	mm	1x1	SFL (1 cm)																						6	4	1	9	15	34	16	17	10	7	2	5	1	
			Venezuela	mm	1x1	SFL (1 cm)																									3										
			Curacao	mm	1x1	SFL (1 cm)																							16	16	10										
			Senegal	mm	1x1	SFL (1 cm)																						2	1	3	6										
			Ghana	mm	1x1	SFL (1 cm)																					66						391		535	446	186	441	555	425	
		PS	EU.España	mm	1x1	SFL (1 cm)			1994		1857						806	2553	3548	1303	815	4247	4819	4711	2459	3038	8016	7050	7224	8026	6628	4338	4433	4065	7032	8483	9932	8364	8925	9089	
			Maroc	mm	1x1	SFL (1 cm)					38							55		346	231	374	397	172	229	531	382	498	1105	488	269	792	52								
			St. Vincent and Grenadines	mm	1x1	SFL (1 cm)													712	1372	259	276	453	253	853	995	371	726													
			Panama	mm	1x1	SFL (1 cm)			205		669						85	182		44	341	1130	1083	296	10		351	78	132		247	3238	5949	7239	2060	2364	2289	2106	1605	2133	
			EU.France	mm	1x1	SFL (1 cm)												48	3864	6728	6705	7698	6873	3474	5560	13159	13465	7887	6633	5262	7543	4265	2073	945	891	2478	4346	2256	2936	3371	
			Venezuela	mm	1x1	SFL (1 cm)																							106	311											
			Curacao	mm	1x1	SFL (1 cm)																	330	1011	456		449	948	1243	1698	3045	975	971	141	1696	3190	2785	1701	1900	2281	
			Guatemala	mm	1x1	SFL (1 cm)																								395	387	1003	1338	939	645	812	582	179	472	591	
			Belize	mm	1x1	SFL (1 cm)																					192	40		158						800	1015	187	414	536	
			Mexico	mm	1x1	SFL (1 cm)					59																														
			Ghana	mm	1x1	SFL (1 cm)												2							116		262	356	1234	357	308		265	276	822	685	161	316	476	747	
			Cape Verde	mm	1x1	SFL (1 cm)																									24	1717	2132	839	1064	2267	2590	2014	1152	1782	
			NEI (ETRO)	mm	1x1	SFL (1 cm)												51		15	163	511						19													
	LTA	BB	EU.España	mm	1x1	SFL (1 cm)																				3	1		24	161	17	931	1571	233	916	312	441	1087	80	659	
			St. Vincent and Grenadines	mm	1x1	SFL (1 cm)																							8												
			Panama	mm	1x1	SFL (1 cm)																				1															
			EU.France	mm	1x1	SFL (1 cm)																		104		3			21	23		262		85	476	1239	96	238	459	1	
			Venezuela	mm	1x1	SFL (1 cm)																										1									
			Curacao	mm	1x1	SFL (1 cm)																						5	26	103	82										
			Senegal	mm	1x1	SFL (1 cm)																						2	2	3	5										
			Ghana	mm	1x1	SFL (1 cm)																					4						19				133	631	559	358	
		PS	EU.España	mm	1x1	SFL (1 cm)			1255		471						102	167	114	313	240	729	664	841	214	91	1503	3060	657	1927	1481	479	805	2061	2769	3728	3165	4170	3324	1557	
			Maroc	mm	1x1	SFL (1 cm)												16		68	71	30	141	51			39	53	261	101	10	713									
			St. Vincent and Grenadines	mm	1x1	SFL (1 cm)													154	100	148	9	53	87	255	706	296	347													
			Panama	mm	1x1	SFL (1 cm)			89		34						55	3		7	222	31	158	182			84	62	1		4	92	1323	2746	1071	973	974	800	329	448	
			EU.France	mm	1x1	SFL (1 cm)													1289	1508	1905	1049	1808	1443	2239	2987	4511	4214	2182	4189	6074	669	147	442	779	634	2782	2807	1678	1835	
			Curacao	mm	1x1	SFL (1 cm)																	224	1			8	172	10	284	527	25	302	65	260	502	1222	381	408	302	
			Guatemala	mm	1x1	SFL (1 cm)																								607	202	13	1289	259	294	151	121	9	191	101	
			Belize	mm	1x1	SFL (1 cm)																								2						235	596	34	409	240	
			Mexico	mm	1x1	SFL (1 cm)					1																														
			Ghana	mm	1x1	SFL (1 cm)																			701		7	18	211				49	48	201	158	76	208	212	191	
			Cape Verde	mm	1x1	SFL (1 cm)																										155	284	478	504	760	1081	815	1174	990	
			NEI (ETRO)	mm	1x1	SFL (1 cm)			45												120	122																			
T2CS	BET	BB	Ghana	mm	5x5	SFL (2 cm)																	1264621	2610596	2429711	1839973	560645	1853214	381270	1425225	2925431	1788613									WG-TROP work made during the 2018 intersessional meeting (see report)
				qu	5x5	SFL (2 cm)																											62249		131568	118704	158613	80844	78160	140880	
		PS	Ghana	mm	5x5	SFL (2 cm)																	485142	822457	1102155	1697715	1062639	886315	1071649	1151580	3212191	1232784									- Ghana CAS BB/PS estimations (1996-2005) obtained at the 2014 Tenerife tropical tuna meeting
				qu	5x5	SFL (2 cm)																											717131		417182	311103	800209	813413	539974	548779	
		LL	Japan	qu	10x20	SFL (2 cm)																														314894	316761	259052	361007	285047	
					10x10	SFL (2 cm)																														6388	13202	4141	2134	4049	
	SKJ	BB	Ghana	mm	5x5	SFL (2 cm)																	9482091	9423288	13154191	14832776	10345985	20746012	7821278	7738911	12222360	10771950									- 2006-2010 Secretariat estimates (SCRS/2018/104)
		PS	Ghana	mm	5x5	SFL (2 cm)																	2443021	2958877	5511794	10770424	5330492	8464791	6382961	8490369	11250473	14119789									
	YFT	BB	Ghana	mm	5x5	SFL (2 cm)																	2761090	4039145	2980568	5324118	3093506	4030020	2158785	2779175	3474302	2975284									
		PS	Ghana	mm	5x5	SFL (2 cm)																	269858	799876	1114602	2461253	1365047	3230027	2669313	2483273	1801712	1462891									ADOPTED

Table 17. Bluefin tuna catches (t) report from the Bluefin Catch Document Program (e-BCD, 2016-2018). Updated as of 2018-10-12.
Tableau 17. Déclaration de capture du thon rouge (t) du programme de documentation des captures de thon rouge (e-BCD, 2016-2018). Actualisé au 2018-10-12.
Tabla 17. Informes de capturas (t) de atún rojo del Programa de documentación de capturas de atún rojo (e-BCD, 2016-2018). Actualizado a 2018-10-12.

			Fishing CPC														
Fishing year	Catch Year	Month	ALBANIA	ALGÉRIE	CHINA REP	Chinese Taipei	EGYPT	EUROPEAN UNION	ICELAND	JAPAN	KOREA REP.	LIBYA	MAROC	NORWAY	SYRIA	TUNISIE	TURKEY	TOTAL
2016	2016	1				0		10										10
2016	2016	2						5										5
2016	2016	3												0				0
2016	2016	4						3										3
2016	2016	5						4304					1579				476	6359
2016	2016	6	47	448			99	2403				1368	64		47	1461	839	6778
2016	2016	7						451					70					521
2016	2016	8						487	4				59	0				550
2016	2016	9						459	2		70		11	43			0	585
2016	2016	10			54			317		1071	69						1	1512
2016	2016	11						122		508				0			8	637
2016	2016	12						204									0	205
2016 Total			47	448	54	0	99	8765	6	1578	140	1368	1783	44	47	1461	1324	**17165**
2017	2017	1			0	0		28		0	0							28
2017	2017	2						85										85
2017	2017	3						320										320
2017	2017	4						216										216
2017	2017	5						7147				322	1621			1087	356	10533
2017	2017	6	56	1038			124	3310				1313	336		57	668	1154	8055
2017	2017	7						562	0				144				1	708
2017	2017	8						429					7	13			0	450
2017	2017	9						233					9	20			0	262
2017 Total			56	1038	0	0	124	12330	0	0	0	1635	2117	33	57	1755	1512	**20657**
2018	2018	1			0	0		40	0	0	0							40
2018	2018	2						61										61
2018	2018	3						220						0			0	221
2018	2018	4						522									0	522
2018	2018	5						8551				65	1781			765	290	11452
2018	2018	6	100	1300			181	4660				1730	661		66	1327	982	11008
2018	2018	7						361					16				2	379
2018	2018	8						437					14	0			5	456
2018	2018	9						346					38	11			1	396
2018	2018	10						103					55	1			1	160
2018 Total			100	1300	0	0	181	15303	0	0	0	1795	2565	12	66	2093	1281	**24696**

Table 18. Reported catch (t) of BFT-E according to the Weekly Catch Reports (2018 is incomplete) as of October 12, 2018.
Tableau 18. Prises déclarées (t) de thon rouge de l'Est d'après les rapports hebdomadaires de capture (l'année 2018 est incomplète) au 12 octobre 2018.
Tabla 18. Captura declarada (t) de atún rojo del Este según los informes de captura semanales (2018 está incompleto) a 12 de octubre de 2018.

Catch(t)		Gear Group	LL					PS					BB					GN	HL	TW	TP	OT	UN	MULTIPURPOSE VESSELS					AUX					Grand Total
		class	<=15	>15 - <20	>=20 - <40	>=40	UNK	<=15	>15 - <20	>=20 - <40	>=40	UNK	<=15	>15 - <20	>=20 - <40	>=40	UNK							<=15	>15 - <20	>=20 - <40	>=40	UNK	<=15	>15 - <20	>=20 - <40	>=40	UNK	
Seasson Year	Reported flag	Fishing Flag																																
2016	Albania	Albania						0	0	0																								0
	Algerie	Algerie						86	128	195	41																							450
	China PR	China PR	28		26																													54
	Egypt	Egypt						50	50																									99
	European Union	EU.Croatia	1	2	5	0		190	120	104	23								71															516
		EU.Cyprus	22	2	27	5	0																0	0	0	0	0	0						56
		EU.España	124	35	147	67		203	99	358	292		113	63	247	166	38		232		968		36						22	17	12	5		3245
		EU.France	53	16	147	62	33	584	462	1078	639							2	82	212		27												3397
		EU.Greece																						69	119	18	3							209
		EU.Italy	85	34	138	46	6	887	369	474	145										233								134	0	39			2589
		EU.Malta	30	13	27	3	0	0	23	91																			6	0	7	0		200
		EU.Portugal																			316													316
	Iceland	Iceland	1			2																	3											6
	Japan	Japan	216	170	669	445																	48											1548
	Korea Rep	Korea Rep	22	35	86	18																												161
	Libya	Libya						613	78	412	264																							1367
	Maroc	Maroc	0		0			193	17										0		1433		128											1772
	Norway	Norway																					44											44
	Syria	Syria						0		40																								40
	Tunisie	Tunisie						579	148	448	41																		112	46	88	0		1461
	Turkey	Turkey						885	143	191	55												42											1315
2016 Total			584	307	1272	647	39	4269	1635	3391	1500		113	63	247	166	38	2	386	212	2950	27	301	69	119	18	3	0	273	64	146	5		18844
2017	Albania	Albania							0		0												0											0
	Algerie	Algerie						345	116	29		549																						1038
	China PR	China PR	64																															64
	Egypt	Egypt						69	54	0	0																							124
	European Union	EU.Croatia	0		0			176	94	100	168	48							44															631
		EU.Cyprus	22	6	19	3	2																			0	60	0						111
		EU.España	75	14	36	4			46	690	787		10	6	9	0			344		1299													3319
		EU.France	275	6	55	6		206	360	1468	925	361							69	236		23	6												3995
		EU.Greece																						54	22	116	3							195
		EU.Italy	51	19	123	21		832	403	569	447										278								25	95		89		2951
		EU.Malta	37	11	27	8		0			146																		5	1	3	2		240
		EU.Portugal																			368													368
	Iceland	Iceland																					0											0
	Japan	Japan	945																				56											1002
	Korea Rep	Korea Rep	155																															155
	Libya	Libya						380	126	79	30	36																						652
	Maroc	Maroc	6					160	55	25									154		1717		3											2120
	Norway	Norway						46															4											51
	Syria	Syria						0		57	0																							57
	Tunisie	Tunisie						366	262	412	135	244																	101	21	121		23	1685
	Turkey	Maroc						97																										97
		Turkey						928	101	107	191	4																	114	29	6	41		1521
2017 Total			1630	55	259	43	2	3606	1617	3536	2829	1242	10	6	9	0			611	236	3661	23	70	54	22	116	63	0	245	146	131	131	23	20377
2018	Albania	Albania						58																										58
	Algerie	Algerie						1300																										1300
	China PR	China PR	13																															13
	Egypt	Egypt						181																										181
	European Union	EU.Croatia	0					628											22															650
		EU.Cyprus	55																										65					120
		EU.España	71										48					1	401		1746		32											2298
		EU.France	294					3930											44	273		15	1											4557
		EU.Italy	425					2250													254								56					2985
		EU.Malta	114					178																										292
		EU.Portugal																			330													330
	Japan	Japan	757																															757
	Korea Rep	Korea Rep	51																															51
	Libya	Libya						1765																										1765
	Maroc	Maroc	27					142											220		2013		22											2424
	Norway	Norway						11															2											12
	Syria	Syria						66																										66
	Tunisie	Tunisie						1731																					296					2028
	Turkey	Turkey						1296																										1296
2018 Total			1808					13535					48					1	687	273	4342	15	57						417					21182

Table 19. Reported catch (t) of BFT (Eastern and Western stocks) according to the Monthly Catch Reports (2018 is incomplete) as of October 12, 2018.
Tableau 19. Prises déclarées (t) de thon rouge (stocks de l'Est et de l'Ouest) d'après les rapports mensuels de capture (l'année 2018 est incomplète) au 12 octobre 2018.
Tabla 19. Captura declarada (t) de atún rojo (stocks del Este y del Oeste) según los informes de captura mensuales (2018 está incompleto) a 12 de octubre de 2018.

Catch (t)			Eastern Stock Unit													
Seasson Year	Fishing Year	Month	Albania	Algerie	China PR	Egypt	European Union	Iceland	Japan	Korea Rep	Libya	Maroc	Norway	Syria	Tunisie	Turkey	Grand Total
2016	2016	1					36					0				0	36
		2					35					0				0	35
		3					282					0	1			0	283
		4					202					0				0	202
		5		0			5534				0	1579				476	7589
		6	47	450			2692				1367	64			1461	839	6921
		7					660					70				0	730
		8					396	4				59	0			0	460
		9					386	2	24	81						0	492
		10			54		263	0	1314	80						1	1712
		11					79	0	240							8	327
		12					185	0								0	186
2016 Total			47	450	54		10750	6	1578	161	1367	1772	1		1461	1324	18973
2017	2017	1					29									0	29
		2					88									0	88
		3					314									0	314
		4					217									0	217
		5		0		0	7108				322	1621			1087	356	10494
		6	56	1038		124	3536				1313	336		57	668	1154	8281
		7					467	0				144				1	613
		8					383	0				7	13			0	403
		9					368	0	55			33	37			1	494
		10			42		421	0	1767	142			1			2	2374
		11			22		69	0		14						0	105
		12					48	0								0	48
2017 Total			56	1038	64	124	13047	0	1822	155	1635	2141	51	57	1755	1515	23460
2018	2018	1					43									0	43
		2					60									0	60
		3					229						0			0	229
		4					524									0	524
		5		0			8655				84	1781		0	765	290	11576
		6		1300			4707				1682	661		66	1328	982	10727
		7					261	0				16		0	0	2	279
		8					257	0				14	0	0	2	5	278
		9						0				38	11	0	3	1	52
2018 Total				1300			14735	0			1767	2510	12	66	2099	1280	23767

Catch (t)			Western Stock Unit					
Seasson Year	Fishing Year	Month	Canada	FR.St Pierre et Miquelon	Japan	Mexico	U.S.A.	Grand Total
2016	2016	1		0		1	9	9
		2		0		12	23	35
		3		0		31	48	79
		4		0		14	5	19
		5		0		1	3	3
		6	1	0		0	82	83
		7	9	0		0	193	201
		8	38	0		0	114	152
		9	181		57	0	261	499
		10	191	0	108	0	256	555
		11	36	0	180	0	57	273
		12	1	0		0	5	6
2016 Total			457	0	345	59	1055	1915
2017	2017	1		0		3	16	19
		2		0		4	62	66
		3		0		12	48	60
		4		0		13	6	19
		5		0		1	6	7
		6	2	0		0	28	30
		7	6	0		0	158	164
		8	48	0		0	235	283
		9	151	0	32	0	298	481
		10	207	0	164	0	98	469
		11	101	0		0	9	110
		12	3	0		0	22	25
2017 Total			517	0	196	32	988	1734
2018	2018	1		0		2	11	12
		2		0		2	68	71
		3		0		33	17	50
		4		0		26	6	31
		5		0		14	13	27
		6	1	0		0	52	53
		7	5	0		0	196	201
		8	44	0			223	267
		9		0				0
2018 Total			50	0		76	586	711

Table 20. Quantity (t) of BFT caged by fishing and farming flag CPCs, between 2016 and 2018, as reported under Rec. [08-05] as of October 12, 2018.
Tableau 20. Volumes (t) de thon rouge mis en cages, par CPC de pavillon de pêche ou CPC de ferme, entre 2016 et 2018, tels que déclarés en vertu de la Rec. 08-05 au 12 octobre 2018.
Tabla 20. Cantidades (t) de atún rojo por CPC del pabellón pesquero o CPC de la granja introducido en jaulas entre 2016 y 2018 tal y como se declararon con arreglo a la Rec. 08-05 a 12 de octubre de 2018.

Caging Wgt (t)		Farming Flag							
Farming Year	**Fishing Flag**	**EU.Croatia**	**EU.España**	**EU.Malta**	**Maroc**	**Tunisie**	**Turkey**	**EU.Portugal**	**Grand Total**
2016	Albania			47					**47**
	Algerie			447					**447**
	EU.España		1390						**1390**
	EU.France		1279	1265					**2544**
	EU.Italy			1582					**1582**
	Libya			920			98		**1018**
	Tunisie			687		470	162		**1318**
	Turkey						1552		**1552**
	EU.Croatia	432							**432**
	Syrian Arab Republic						47		**47**
	Unknown/Unclassified flag		160	219					**380**
	Eu.Portugal			861					**861**
2016 Total		**432**	**2829**	**6028**		**470**	**1859**		**11618**
2017	EU.España		945						**945**
	EU.France		806						**806**
	EU.Italy			1819					**1819**
	EU.Malta			5476					**5476**
	Libya						455		**455**
	Maroc				1771		50		**1821**
	Tunisie			586		136			**722**
	Turkey						1678		**1678**
	EU.Croatia	582							**582**
	Syrian Arab Republic						57		**57**
	Unknown/Unclassified flag		365						**365**
	Egypt						87		**87**
	Eu.Portugal							64	**64**
2017 Total		**582**	**2116**	**7882**	**1771**	**136**	**2326**	**64**	**14877**
2018	EU.España		2336						**2336**
	EU.France		212						**212**
	Maroc				4054				**4054**
	Turkey						1736		**1736**
	EU.Croatia	673							**673**
	Unknown/Unclassified flag		94						**94**
	Belize		162						**162**
	Eu.Portugal							62	**62**
2018 Total		**673**	**2805**		**4054**		**1736**	**62**	**9330**

Table 21. Bi-annual Statistical Documents (SD) and Re-export Certificates (RC) reported to ICCAT, by species, between 2017-10-01 and 2018-10-13.
Tableau 21. Documents statistiques (SD) et Certificats de réexportation (RC) semestriels déclarés à l'ICCAT, par espèce, entre le 2017-10-01 et le 2018-10-13.
Tabla 21. Documentos estadísticos (DE) y Certificados de reexportación (CR) semestrales comunicados a ICCAT, por especies, entre el 2017-10-01 y el 2018-10-13.

				BET		SWO		* Other
Reporting CPC	**Year**	**Semester**	**Date reported**	**SD**	**RC**	**SD**	**RC**	
Canada	2017	2	31-03-18	√		√		
	2018	1	26-09-18	√		√		
China PR	2017	1	09-10-17				√	
		2	30-03-18	√	√	√	√	
	2018	1	29-09-18	√		√		
Chinese Taipei	2017	2	30-03-18	√		√	√	
	2018	1	28-09-18	√		√		
Côte d'Ivoire	2017	2	30-03-18	√				
	2018	1	26-09-18	√				
EU (all flags combined)	2017	1	29-03-18	√	√	√	√	
		2	04-04-18	√	√	√	√	
	2018	1	10-10-18	√	√	√	√	
Ghana	2017	1	29-03-18	√				
		2	29-03-18	√				
Japan	2017	2	28-03-18	√	√	√	√	
	2018	1	02-10-18	√	√	√	√	
Korea Rep.	2017	2	26-03-18	√	√	√	√	
Mexico	2017	2	14-03-18					√
	2018	1	27-09-18					√
Norway	2017	2	28-03-18	√		√		
	2018	1	28-09-18			√		
Senegal	2017	1	31-03-18					√
		2	31-03-18					√
	2018	1	19-08-18					√
Singapore	2017	1	10-04-18			√	√	
		2	10-04-18			√	√	
Trinidad and Tobago	2017	2	29-03-18	√		√		
Turkey		2	30-03-18	√		√		
	2018	1	11-09-18	√		√		
U.S.A.	2017	2	30-03-18	√		√		√
	2018	1	01-10-18	√		√	√	√

* Cannot be classified into SD or RC douments types (includes all 2 species)

Table 22. Swordfish: Task I (t) versus trade (SDP) in product weight (t), by stock and flag between 2010 and 2018 (SDP data for 2018 with first semester only).
Tableau 22. Espadon : Données de la Tâche I (t) par opposition aux données commerciales (SDP) en poids de produit (t), par stock et pavillon entre 2010 et 2018 (données SDP pour 2018 uniquement avec le premier semestre).
Tabla 22. Pez espada: Tarea I (t) frente a estadísticas comerciales (SDP) en peso de producto (t), por stock y pabellón entre 2010 y 2018 (datos de SDP para 2018 solo con el primer semestre).

			Task I								Trade (SDP: Statistical Document Program)																
											SD (statistical documents)									RC (re-export certificates)								
Stock	**Status**	**FishFlag**	2010	2011	2012	2013	2014	2015	2016	2017	2010	2011	2012	2013	2014	2015	2016	2017	2018	2010	2011	2012	2013	2014	2015	2016	2017	2018
ATN	CP	Barbados	13	23	21	16	21	29	20	21																		
		Belize	106	184	141	142	76	1	3	59	63	26	115	63	21			30										
		Brazil													0													
		Canada	1361	1558	1599	1565	1616	1588	1559	1209	987	979	976	1017	35		1											
		China PR	73	75	59	96	60	141	135	81	63	65	94	59	88		72	35	10									
		Côte d'Ivoire	30						27	21				3				5	4									
		Curaçao								0																		
		El Salvador								0																		
		EU.España	4147	4889	5622	4084	3750	4013	3916	3588	4	0		372														
		EU.France	35	16	94	44	28	66	90	79				19														
		EU.Greece												0														
		EU.Ireland	1	2	5	2	3	15	15	10																		
		EU.Italy												0														
		EU.Netherlands		1																								
		EU.Portugal	1054	1203	882	1438	1241	1420	1460	1871			0			0												
		EU.United Kingdom	0		0	0		0		0																		
		FR.St Pierre et Miquelon	90	1		18	3																					
		Ghana											7															
		Guatemala								0																		
		Guinea Ecuatorial				13																						
		Japan	1062	523	639	300	545	430	379	455	0	0		0	1		0											
		Korea Rep.		170	46	83	35	2	9	19					3	1	2											
		Liberia							18	95																		
		Maroc	963	782	770	1062	1062	850	900	900	908	213	597	409	554		1018											
		Mexico	35	38	41	33	32	31	37	64	2	1	1															
		Norway							0																			
		Philippines		17	36	9	14																					
		Senegal	11	1	44	43	49	78	52	51	6	5	5	795	0		51	31	19									
		St. Vincent and Grenadines	13	11	8	4	40	102	33	46						3	88	10										
		Trinidad and Tobago	21	16	14	16	26	17	13	36	16	12	9	6	9		6											
		U.S.A.	2412	2774	3611	2944	1945	1718	1498	1378	0			22		15		1										
		UK (Overseas Territories)												4														
		UK.Bermuda	3	3	1	1	1	1	2																			
		UK.British Virgin Islands		4			0	0																				
		UK.Turks and Caicos				13	17								2													
		Vanuatu	10	23	15	2	4	7									25											
		Venezuela	24	18	25	24	24	29	53	52																		
	NCC	Chinese Taipei	88	192	193	115	85	133	152	96	76	79	121	49	70	46	63	35	23									
		Guyana						0	6	10																		
		Suriname											0															
	NCO	Dominica		0			0	0	0																			
		Ecuador									1																	
		Other (unclassifed)										0	252															
		Saint Kitts and Nevis						0		0																		
		Sta. Lucia	0	0		0	0	0																				
ATN Total			11553	12523	13868	12069	10678	10673	10376	10141	2126	1381	2177	2819	784	65	1326	146	57									
ATS	CP	Angola					18			13				12	8													
		Barbados										0																
		Belize	121	207	197	136	45	111	176	166	12	68	145	19			37	9	22									
		Brazil	2926	3033	2833	2384	2892	2599	2935	2406	611	541	483	569	270	0	141											
		China PR	296	248	316	196	206	328	222	302	117	378	57	171	166	40	220	65	26									
		Côte d'Ivoire	156	145	88	110	55	42	25	17	6	4																
		Curaçao								0																		
		El Salvador								0																		
		EU.España	5801	4700	4852	4184	4113	5059	4992	4654	5		24	10	12	1			7									
		EU.France								0																		
		EU.Portugal	232	263	184	125	252	236	250	466																		
		Gabon	0				0																					
		Ghana	116	60	54	37	26	56	36	55	176	0	13															
		Guatemala								0																		
		Japan	1314	1233	1162	684	976	657	637	902	2	1	6	6	23		1	0										
		Korea Rep.	147	70	65	47	53	5	19	11					21	21	10	6	0									
		Maroc										0																
		Namibia	417	414	85	129	395	225	466	600	249	67	259	37	11													
		Panama								0																		
		Philippines	14	35	15	35	58				14	22	66	44	59	2												
		S. Tomé e Príncipe	193	60	84	60	94	145	154	65																		
		Senegal	180	264	162	178	143	97	173	160	66								12									
		Sierra Leone		16																								
		South Africa	145	97	50	171	152	218	164	159	124	90	66	131	30	1	2	26										
		St. Vincent and Grenadines	4	3	2	2	19	0	5	9																		
		U.S.A.	0			0																						
		UK.Sta Helena				5	6	2																				
		Uruguay	222	179	40	103					48	6																
		Vanuatu	3	1	3	0	1	1																				
	NCC	Chinese Taipei	410	428	496	582	451	554	480	527	273	368	271	146	411	173	303	121	115									
		Suriname											0															
	NCO	Argentina	1	0																								
		Fiji Islands										1																
		Indonesia											197															
		Other (unclassifed)									7	1																
		Seychelles									1																	
ATS Total			12698	11455	10686	9169	9956	10337	10735	10512	1711	1548	1586	1145	1012	238	715	228	183									
MED	CP	Algerie	459	216	387	403	557	568	671	550																		
		Egypt				1	0																					
		EU.Croatia	6	6	4	10	16	10	25	20																		
		EU.Cyprus	31	35	35	51	59	45	43	50						0												
		EU.España	1792	1744	1591	1607	2073	2290	1733	1487				10														
		EU.France	78	81	12	66	127	182	179	113																		
		EU.Greece	1494	1306	877	1731	1344	761	761	392																		
		EU.Italy	6022	5274	4574	2862	3393	4272	3946	2987																		
		EU.Malta	423	532	503	460	376	489	410	330																		
		Libya						585	960	30																		
		Maroc	1610	1027	802	770	770	480	1110	1000	729	623	15	3	66		3											
		Syria			9	4																						
		Tunisie	1016	1040	1038	1036	1030	1034	1007	1003				3														
		Turkey	334	190	80	97	56	35	77	441			0						8									
	NCO	Ecuador									1	2																
		Other (unclassifed)									2	3																
MED Total			13265	11450	9913	9096	9801	10751	10921	8402	732	627	15	15	66	0	3		8									
UNK											850	312	796	5950	2089	466	2645	10		1749	489	549						
TOTAL			37516	35428	34467	30334	30435	31760	32032	29056	5420	3869	4575	9929	3951	769	4690	384	248	1749	489	549						

Table 23. Bigeye: Task I (t) versus trade (SDP) in product weight (t), by stock and flag between 2010 and 2018 (SDP data for 2018 with first semester only).
Tableau 23. Thon obèse : Données de la Tâche I (t) par opposition aux données commerciales (SDP) en poids de produit (t), par stock et pavillon entre 2010 et 2018 (données SDP pour 2018 uniquement avec le premier semestre).
Tabla 23. Patudo: Tarea I (t) frente a estadísticas comerciales (SDP) en peso de producto (t), por stock y pabellón entre 2010 y 2018 (datos de SDP para 2018 solo con el primer semestre).

			Task I								Trade (SDP: Statistical Document Program)																		
											SD (statistical documents)									RC (re-export certificates)									
Stock	**Status**	**Fishing Flag**	2010	2011	2012	2013	2014	2015	2016	2017	2010	2011	2012	2013	2014	2015	2016	2017	2018*	2010	2011	2012	2013	2014	2015	2016	2017	2018*
A+M	CP	Angola								3																		
		Barbados	12	7	15	11	26	30	19	16																		
		Belize	294	1260	1257	1377	1524	1877	1764	1961	26	462	635	631	108	215	462	749	225									
		Brazil	1173	1841	2120	3623	6456	7750	7660	7258	92	17	1	8	9		5											
		Canada	103	137	166	197	218	258	171	214																		
		Cape Verde	656	1077	735	1378	2368	2764	1680	1107	32	90	269	244			1											
		China PR	5489	3720	3231	2371	2232	4942	5852	5514	5092	3289	2343	2214	2169	2586	6076	5027	1571									
		Côte d'Ivoire	576	49	602	681	441	12	544	1239			72	60			374	444	168									
		Curaçao	2747	3488	2950	1998	2357	2573	3598	2844	32		518	602		259	857	751											
		El Salvador						992	1450	1826																		
		EU.Belgium														39												
		EU.Cyprus										0																
		EU.España	11483	13316	11012	10162	10878	10058	11469	11544	1252	851	656	622	1495	548	1272	2271	542									
		EU.France	3450	3901	3948	3278	3602	2583	4566	4077	603	721	1763	470	1177	386	840	551	374									
		EU.Germany											0															
		EU.Greece									0	0																
		EU.Ireland							0	0																		
		EU.Italy											0	0		44			125									
		EU.Netherlands																138										
		EU.Portugal	3682	6920	6128	5345	3869	3135	2187	3146	1		61	77	150	121												
		EU.United Kingdom	0							0			0															
		FR.St Pierre et Miquelon	2			0	0																					
		Ghana	6253	3541	4276	3818	4216	6815	6096	4826	2119	1892	5198	2476	893	197	433	670	138									
		Grenada																0										
		Guatemala	1029	288	273	168	1007	340	1103	1602			68	3														
		Guinea Ecuatorial		58		3	10	17	4	11																		
		Guinée Rep.	402	525	1804	1674	1111				72																	
		Japan	15205	12306	15390	13397	13603	12168	10365	10980	7	48	40	110	76		92	26										
		Korea Rep.	2646	2762	1908	1151	1039	677	562	432	2398	1616	1267	1935	528	531	296	560	186									
		Liberia							27	98																		
		Maroc	276	300	300	308	300	309	350	410		0	4		2		0											
		Mauritania							1																			
		Mexico	3	1	1	2	1	2	2	3																		
		Namibia	181	289	376	135	240	465	359	141	3	125	194	36		12	3											
		Nigeria	3	1	0																							
		Panama	3085	3531	1736	2853	2341	1289	2337	1664			673	169				136										
		Philippines	1399	1267	532	1323	1964				1650	1357	810	746	2108	434												
		S. Tomé e Príncipe	97	100	103	107	110	633	421	393																		
		Senegal	858	239	230	646	371	1031	1500	2978	382	58	271	493	299	6	474	237	103									
		South Africa	145	153	47	435	332	193	121	218			0	98	4		36											
		St. Vincent and Grenadines	396	38	25	16	30	496	622	889						349	682	359	214									
		Trinidad and Tobago	40	33	33	37	59	77	37	25			0	0	0													
		Tunisie											3															
		Turkey												1														
		U.S.A.	571	722	867	881	859	831	525	788	18	21	108	11	8	2		2										
		UK.Bermuda	0	0	0	0	0	0																				
		UK.Sta Helena	11	190	51	19	17	44	77	70		17	67	8			42											
		UK.Turks and Caicos				4	2																					
		Uruguay	23	15	2	30																						
		Vanuatu	42	39	23	9	4																					
		Venezuela	85	264	98	94	169	132	156	318								249										
	NCC	Chinese Taipei	13189	13732	10819	10316	13272	16453	13115	11845	11681	11276	9548	9571	10725	12330	13612	9464	6131									
		Guyana						6	25	34																		
	NCO	Congo												27														
		Dominica					0	0	0	0																		
		Ecuador									44						19											
		Lebanon											0	1														
		Madagascar											0															
		Mixed flags (EU tropical)	324	257				989	1187	972																		
		Other (unclassifed)											94	0	432		620	499	352									
		Saint Kitts and Nevis						0	4	1																		
		Sta. Lucia	0	0	0			6																				
		Vietnam												23														
A+M Total			75930	76366	71059	67849	75029	79949	79958	79447	25503	21840	24662	20637	20183	18058	26198	22132	10129									
UNK											97		94	441	58	81	263	32	8	796	1580	3022						
TOTAL			75930	76366	71059	67849	75029	79949	79958	79447	25600	21840	24756	21077	20240	18138	26461	22164	10137	796	1580	3022						

Table 24. Amounts (t) of various tuna and tuna-like species transshipped at sea as reported under Rec. [06-11] by product type.
Tableau 24. Volumes (t) de divers thonidés et espèces apparentées transbordés en mer tels que déclarés en vertu de la Rec. 06-11, par type de produit.
Tabla 24. Cantidades (t) de varios túnidos y especies afines transbordadas en el mar y declaradas con arreglo a la Rec 06-11, por tipo de producto.

			Product Type (t)									
Year	Fishing Flag	Species Code	Dressed weight	Gilled & gutted	Number	Fillet	Live weight	Shark fins	Rounded Weight	Belly meat	Other	Grand Total
2016	Chinese Taipei	ALB							100.63			100.63
		BET		11738.67								11738.67
		BUM	0.92									0.92
		OIL	0.25									0.25
		SAI		0.45								0.45
		SSP	0.07									0.07
		SWO	236.08	15.50	0.35							251.93
		WAH	0.07									0.07
		YFT		718.07								718.07
	China, P.R.	ALB							82.67			82.67
		BET	1.19	5256.90			0.20		0.05			5258.34
		BUM	24.23									24.23
		OIL	5.02									5.02
		OTF	3.50						0.43			3.93
		SAI	0.51									0.51
		SMA	1.80									1.80
		SSM	2.47									2.47
		SWO	531.65									531.65
		YFT		166.35								166.35
		SKH	4.31									4.31
		OPA	4.85									4.85
		BLZ	1.79									1.79
	Korea, Republic of	ALB		1.25					9.70			10.95
		BET		527.07								527.07
		BLM		2.43								2.43
		BSH							10.18			10.18
		BUK	35.20									35.20
		BUM		0.10								0.10
		MAK	4.08									4.08
		MLS	0.03	0.24								0.27
		OIL	1.18									1.18
		OTF									2.05	2.05
		SAI	2.08									2.08
		SBF		93.50								93.50
		SKJ	0.75									0.75
		SPF	0.78									0.78
		SWO	13.76	0.27								14.03
		WAH	3.57									3.57
		YFT		282.10								282.10
		SKH						0.25				0.25
		OPA	0.17									0.17
		BRA							4.08			4.08
		DOL							2.57			2.57
	Japan	ALB	7.81	26.98					686.17			720.96
		BET		5794.21								5794.21
		BIL	0.57	0.42								0.99
		BLM	3.05	0.06								3.11
		BUK	170.96		17.26						4.23	192.44
		BUM	77.34	31.81		0.61						109.75
		COM	3.61									3.61
		MAK	0.12			0.85						0.97
		MIX									1.08	1.08
		MLS	0.16	5.68								5.84
		OTF	2.54					0.01			0.39	2.94
		SAI	4.78									4.78
		SBF		946.21								946.21
		SKJ							0.15			0.15
		SMA				1.43						1.43
		SPF	0.22									0.22
		SSM	5.87									5.87
		SSP	3.29									3.29
		SWO	277.25	19.78		131.58						428.61
		TUN			1.26						1.53	2.79
		WAH	0.26									0.26
		YFT	4.75	1466.72								1471.47
		MAW	0.92									0.92
		SKH				3.74					0.11	3.86
		OPA	15.33			0.48						15.80
		DOL	0.55	0.18					2.08			2.80
		BLZ	3.88									3.88
		SFA	0.33									0.33
	Belize	ALB							111.97			111.97
		BET		402.12								402.12
		SWO	27.25									27.25
		YFT		12.16								12.16
	St. Vincent and Grenadines	BET		352.42								352.42
		SWO	14.01									14.01
		YFT		7.82								7.82
	Côte d'Ivoire	BET		378.25								378.25
		SWO	27.79									27.79
		YFT		46.00								46.00
	Senegal	BET		48.95								48.95
		YFT		3.67								3.67
2016 Total			1532.93	28346.33	18.87	138.68	0.20	0.26	1010.68		9.39	31057.34

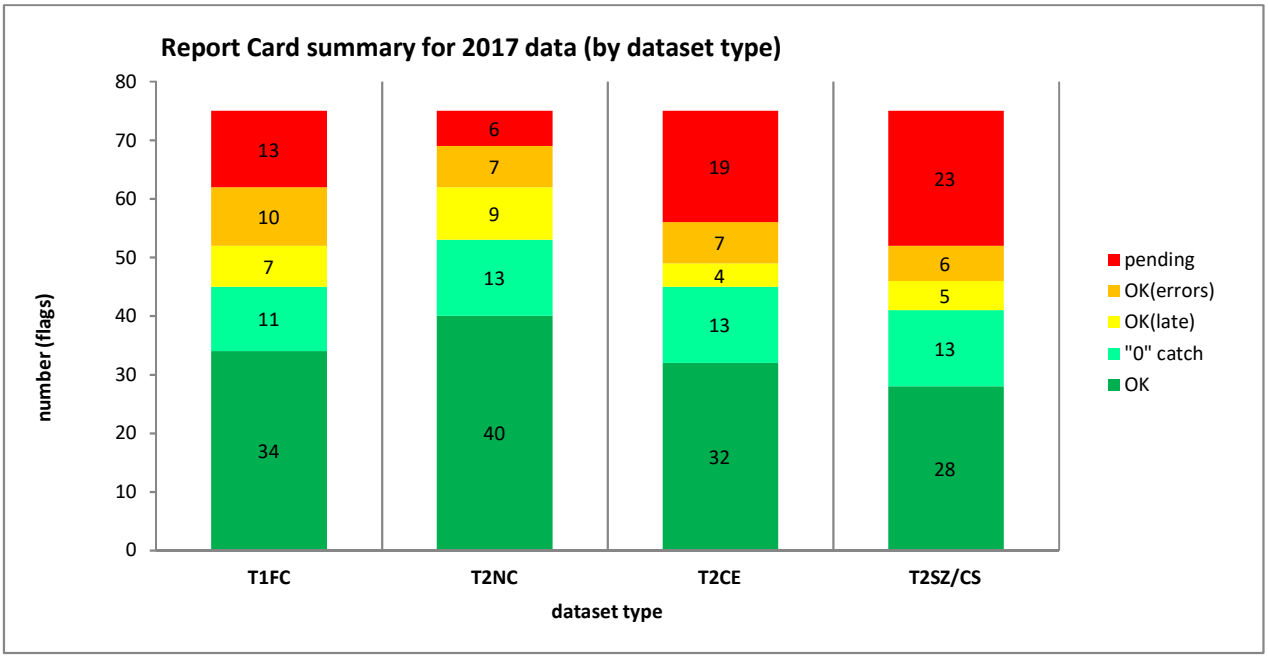
Year	Fishing Flag	Species Code	Dressed weight	Gilled & gutted	Number	Fillet	Live weight	Shark fins	Rounded Weight	Belly meat	Other	Grand Total
2017	Chinese Taipei	ALB							1.98			1.98
		BET		8191.74								8191.74
		MIX		774.13								774.13
		MLS		0.24								0.24
		SWO	178.48	23.91								202.39
		TUN			0.03							0.03
		YFT		372.02								372.02
	China, P.R.	ALB	10.36	0.95					120.40			131.70
		BET		4719.96								4719.96
		BLM	0.45									0.45
		BSH	12.10									12.10
		BUM	21.60	12.16								33.76
		MAK	1.82									1.82
		MIX		1014.91								1014.91
		MLS		0.04								0.04
		OIL	8.06						6.23			14.29
		OTF									6.66	6.66
		PXX	0.34									0.34
		SAI	0.18	0.24								0.42
		SSM	0.92	1.25					0.22			2.39
		SWO	293.77	38.67								332.43
		TUN			0.73							0.73
		YFT		320.10								320.10
		SKH	2.53									2.53
		OPA	3.50	0.22								3.72
	Korea, Republic of	ALB	0.10						0.19			0.29
		BET		221.31								221.31
		BUM	2.13	0.17								2.30
		MLS	0.13	0.02								0.15
		OIL	4.58									4.58
		OTF	0.08							4.93	1.40	6.40
		SAI	5.21									5.21
		SBF		152.51								152.51
		SKJ		0.02					0.03			0.04
		SWO	8.95									8.95
		YFT		196.67								196.67
		OPA	1.18									1.18
		BRA							0.25			0.25
		DOL							1.71			1.71
	Japan	ALB	5.61	12.09			50.55		974.47			1042.72
		BET		5402.36		1.98						5404.34
		BIL	7.90	7.19							9.41	24.50
		BLM	1.41	1.18								2.59
		BSH				2.11						2.11
		BUK	98.32									98.32
		BUM	143.93	45.44		3.77			0.70		0.12	193.95
		COM	0.38									0.38
		MAK	1.55			1.05		0.04				2.64
		MIX		1241.50		0.60					3.49	1245.58
		MLS	1.93	4.63								6.56
		OIL									0.18	0.18
		OTF	12.08						0.40	0.77	11.36	24.61
		SAI	2.30									2.30
		SBF		1072.55								1072.55
		SKJ							0.02			0.02
		SMA	0.83			0.77		0.03				1.62
		SSM	4.29						0.08			4.37
		SSP	0.05									0.05
		SWO	390.34	105.93		195.76			19.08			711.11
		TUN									1.52	1.52
		WAH	3.14									3.14
		YFT		1345.41								1345.41
		MAW	1.55									1.55
		SKH				0.55		0.18			11.27	12.00
		OPA	41.48	0.31								41.79
		DOL	0.33						0.85			1.18
		KGX	0.51									0.51
	Belize	BET		328.58								328.58
		SWO	20.60									20.60
		YFT		16.03								16.03
	St. Vincent and Grenadines	BET		235.52								235.52
		YFT		13.76								13.76
	Côte d'Ivoire	BET		237.25								237.25
		SWO	10.81	5.73								16.55
		TUN			0.10							0.10
		YFT		8.13								8.13
	Senegal	ALB							3.07			3.07
		BET		206.13								206.13
		SWO	22.18									22.18
		YFT		10.75								10.75
2017 Total			1327.97	26341.70	0.86	206.59	50.55	0.24	1129.67	5.69	45.40	29108.66

Year	Fishing Flag	Species Code	Dressed weight	Gilled & gutted	Number	Fillet	Live weight	Shark fins	Rounded Weight	Belly meat	Other	Grand Total
2018	Chinese Taipei	ALB							1.10			1.10
		BET		3848.48								3848.48
		BUM	4.81									4.81
		MIX		1190.96								1190.96
		SWO	114.51	1.02								115.53
		YFT		200.92								200.92
	China, P.R.	ALB	9.42	23.59			28.71		54.99			116.71
		BET		2666.10								2666.10
		BUM	47.74	5.20								52.93
		COM	2.53									2.53
		MAK	0.50									0.50
		MIX		27.73								27.73
		OIL	16.68	1.56								18.24
		SAI	6.46	0.27								6.73
		SSM	0.93	0.29								1.22
		SWO	74.99	3.91					2.60			81.50
		YFT		159.10								159.10
		MAW	4.99									4.99
		OPA	5.86	0.27								6.13
		BRA							29.86			29.86
		DOL							4.48			4.48
	Korea, Republic of	BET		86.36								86.36
		MIX		26.12								26.12
		SWO	4.31									4.31
		YFT		7.41								7.41
	Japan	ALB					209.45		670.88			880.34
		BET		3051.15							1.22	3052.36
		BIL	2.95	1.76								4.70
		BLM	0.16	0.14								0.30
		BUK	92.41									92.41
		BUM	63.73	36.86		1.28					0.66	102.52
		COM	0.90									0.90
		MAK				1.34						1.34
		MIX		1436.65							55.78	1492.42
		MLS	0.78	1.08								1.86
		OTF	9.07			1.31			1.12		13.47	24.96
		SAI	0.93	0.47					0.53			1.92
		SBF		369.86								369.86
		SKJ							0.32			0.32
		SMA				1.31						1.31
		SSM	0.82									0.82
		SWO	229.24	3.52		96.44						329.20
		TUN									0.97	0.97
		WAH	0.77									0.77
		YFT		728.70								728.70
		SKH						0.01				0.01
		OPA	14.25									14.25
		DOL							1.29			1.29
		SFA	1.55									1.55
	Belize	BET		40.56								40.56
		YFT		3.18								3.18
	St. Vincent and Grenadines	BET		145.25								145.25
		YFT		20.00								20.00
	Côte d'Ivoire	BET		87.96								87.96
		SWO	17.70									17.70
		YFT		17.08								17.08
	Senegal	BET		90.11								90.11
		MIX		21.88								21.88
		SWO	7.54									7.54
		YFT		2.87								2.87
	Brazil	BET		74.48							0.44	74.92
		SWO	0.38			2.11						2.48
		YFT		1.01								1.01
	Unknown	ALB							11.38			11.38
		BET		111.45								111.45
		MIX		86.66								86.66
		MLS		0.33								0.33
		SWO	7.98									7.98
		YFT		3.92								3.92
2018 Total			744.89	14586.17		103.78	238.16	0.01	778.54		72.53	16524.08

Table 25. Volumes published in 2017 within the ICCAT series of periodic publications.
Tableau 25. Volumes publiés en 2017 dans les séries des publications périodiques de l'ICCAT.
Tabla 25. Volúmenes publicados en 2017 dentro de las series periódicas de publicaciones de ICCAT.

Publication			Period	Format			Content
Name	**Vol #**	**No.**		***Paper***	***CD***	***WEB***	
Collect. Vol. Sci. Pap.	74	5	2017			√	Intersessional meeting reports and documents presented therein
Collect. Vol. Sci. Pap.	75	3	2018			√	Intersessional meeting reports and documents presented therein
Biennial Report	1		2017			√	Report of the 25th Regular Commission meeting
	2		2017			√	SCRS Report
	3		2017			√	Annual Reports
	4		2017			√	Secretariat Report (Research and Statistics, Administrative, Financial, to COC and to PWG)
Statistical Bulletin	44 (1)		1950-2016			√	ICCAT Statistics
Newsletter	27		Feb. 2018			√	News
	28		Sept. 2018			√	

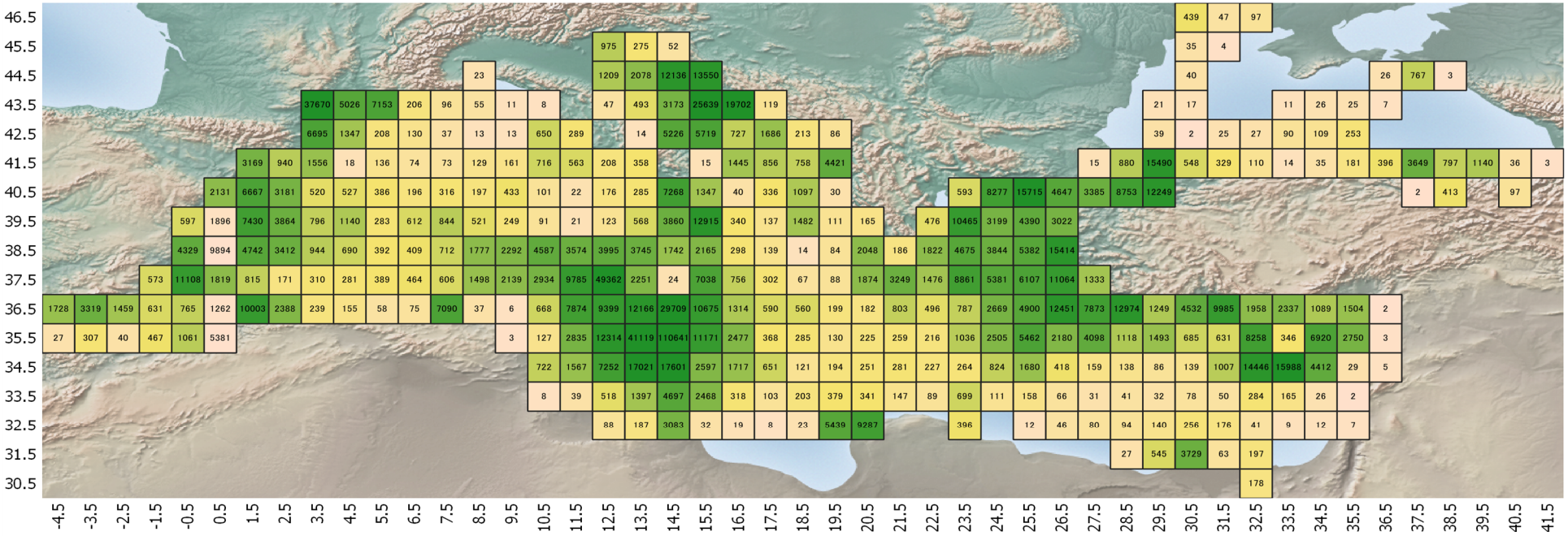
Figure 1. Summary of CPCs reporting status for 2017 data.
Figure 1. Résumé de la situation de déclaration des CPC pour les donnés de 2017.
Figura 1. Resumen del estado de comunicación de las CPC para datos de 2017.



COM18

		Dataset type			
Values	**Rep. status**	**T1FC**	**T2NC**	**T2CE**	**T2SZ/CS**
number	OK	34	40	32	28
	"0" catch	11	13	13	13
	OK(late)	7	9	4	5
	OK(errors)	10	7	7	6
	pending	13	6	19	23
	TOTAL	75	75	75	75
%	OK	45%	53%	43%	37%
	"0" catch	15%	17%	17%	17%
	OK(late)	9%	12%	5%	7%
	OK(errors)	13%	9%	9%	8%
	pending	17%	8%	25%	31%

Figure 2. Number of VMS signals received from vessels authorised to fish bluefin tuna in the period 2017/09/09-2018/10/10. Aggregated information by 1 degree squares for the Mediterranean Sea. The data does not contemplate positions in port (according to the integrated algorithm).
Figure 2. Nombre de signaux VMS reçus de navires autorisés à pêcher du thon rouge entre le 9 septembre 2017 et le 10 octobre 2018. Information agrégée en carrés de 1 degré pour la mer Méditerranée. Les données ne tiennent pas compte des positions au port (selon l'algorithme intégré).
Figura 2. Número de señales de VMS recibidas de buques autorizados a pescar atún rojo en el periodo 2017/09/09-2018/10/10. Información agregada por cuadrículas de 1 grado para el mar Mediterráneo. Los datos no consideran las posiciones en puerto (según el algoritmo integrado).



APPENDIX 1 /Appendice 1 / Apéndice 1

Appendix 1. Standard SCRS catalogues on statistics (Task-I and Task-II) of the 13 major ICCAT species (10 tuna & tuna like species and 3 shark species) by stock, major fishery (flag/gear combinations ranked by order of importance) and year (1988 to 2017). Only the most important fisheries (representing ±97.5% of Task-I total catch) are shown. For each data series, Task I (DSet= "t1", in t) is visualised against its equivalent Task II availability (DSet= "t2") scheme. The Task-II colour scheme, has a concatenation of characters ("a"= T2CE exists; "b"= T2SZ exists; "c"= T2CS exists) that represents the Task-II data availability in the ICCAT-DB. See the legend for the colour scheme pattern definitions.

Appendice 1. Catalogues standard du SCRS sur les statistiques (Tâche I et Tâche II) des 13 espèces principales de l'ICCAT (10 espèces de thonidés et espèces apparentées et 3 espèces de requins) par stock, pêcherie principale (combinaisons pavillon-engin classées par ordre d'importance) et année (1988 à 2017). Seules les pêcheries les plus importantes (représentant ±97,5% de la prise de Tâche I) sont présentées. Chaque série de données de la Tâche I (DSet= "t1", en tonnes) est représentée par rapport au schéma de disponibilité équivalent de la Tâche II (DSet= "t2"). Le schéma de couleurs de Tâche II présente une concaténation de caractères ("a"= T2CE existe; "b"= T2SZ existe; "c"= T2CS existe) qui représente la disponibilité des données de Tâche II dans la base de données de l'ICCAT. Veuillez vous reporter aux légendes pour les définitions du schéma de couleurs.

Apéndice 1. Catálogos estándar del SCRS sobre estadísticas (Tarea I y Tarea II) de las 13 especies principales de ICCAT (10 especies de túnidos y especies afines y 3 especies de tiburones) por stock, pesquería principal (combinaciones arte/pabellón clasificadas por orden de importancia) y año (1988 a 2017). Solo se muestran las pesquerías más importantes (que representan ±97,5% de la captura total de Tarea I).Cada serie de datos de Tarea I(DSet= "t1", en t) se visualiza con respecto a su esquema equivalente de disponibilidad de Tarea II (DSet= "t2") . En el esquema de colores de Tarea II, se incluye una concatenación de caracteres ("a"= T2CE existe; "b"= T2SZ existe; "c"= T2CS existe) que representa la disponibilidad de datos de Tarea II en la base de datos de ICCAT. Véase la leyenda para las definiciones del patrón del esquema de colores.

ICCAT SCORECARD on fisheries data availability (preliminary)

Table #	Fishery	SCORE	Score type
1	ALB-N stock	7.04	score3
2	ALB-S stock	5.49	score3
3	ALB-M stock	1.85	score3
4	BFT-E stock (ATE region)	5.69	score3
5	BFT-E stock (MED region)	3.18	score3
6	BFT-W stock	7.89	score3
7	BET-A stock (AT + MD)	6.65	score3
8	YFT-E region	6.70	score3
9	YFT-W region	4.29	score3
10	SKJ-E stock	7.05	score3
11	SKJ-W stock	4.69	score3
12	SWO-N stock	7.62	score3
13	SWO-S stock	6.52	score3
14	SWO-M stock	3.82	score3
15	BUM-A stock (AT + MD)	4.22	score2
16	WHM-A stock (AT + MD)	4.77	score2
17	SAI-E stock	2.93	score2
18	SAI-W stock	3.64	score2
19	SPF-E stock	2.42	score2
20	SPF-W stock	3.28	score2
21	BSH-N region	3.31	score2
22	BSH-S region	3.66	score2
23	BSH-M region	0.56	score2
24	POR-N region	1.26	score2
25	POR-S region	0.83	score2
26	SMA-N region	2.55	score2
27	SMA-S region	3.30	score2

	Quartile
bad: [0, 2.5[	1
poor: [2.5, 5[	2
rasonable: [5, 7.5[	3
good: [7.5, 10[	4

LEGEND and color schemes used to show Task II (t2) availability

character	represents
a	t2ce
b	t2sz
c	t2cs

color scheme		t2 availability score	
Concatenated string	represents	score3 (*)	score2 (**)
-1	no T2 data	0	0
a	t2ce only	1	1
b	t2sz only	1	1
c	t2cs only	1	1
bc	t2sz + t2cs	1	1
ab	t2ce + t2sz	2	2
ac	t2ce + t2cs	2	2
abc	all	3	2

* Species requiring ST05-T2CS data (ALB, BFT, BET, YFT, SKJ, SWO)
** Rest of the species (not requiring ST05-CAS data)

(number of years in the score)	totYears	30
(score scale adopted)	scale	10

Table 1. ALB-N stock

						1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017			
			T1 Total			33059	32071	36881	27931	30851	38135	35163	38377	28803	29023	25746	34551	33124	26253	22741	25567	25960	35318	36989	21991	20483	15375	19509	20039	25680	24633	26655	25443	30340	28400			
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**																															Rank	%	%cum
ALB	ATN	CP	EU.España	BB	t1	15762	14918	15442	8267	10814	12277	11041	9953	9640	9401	7346	8448	10774	4929	4712	7325	7893	10067	14182	8375	7403	4940	5841	4676	7753	4473	4740	8353	13394	9687	1	31.9%	32%
ALB	ATN	CP	EU.España	BB	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	ac	ac	ac	ac	ac	1		
ALB	ATN	CP	EU.España	TR	t1	10966	10479	10342	8955	7347	6094	5952	10225	6649	7864	5834	6829	5013	4245	3976	5193	7477	10165	10277	6089	5233	4437	7009	3564	5833	5864	6651	5596	3559	4163	2	23.6%	56%
ALB	ATN	CP	EU.España	TR	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	ac	ac	ac	ac	ac	2		
ALB	ATN	CP	EU.France	TW	t1	1693	2240	1032	463	2459	1706	1967	2904	2570	2874	1178	4723	3466	4740	4275	3252	2194	6743	5878	2842	2806	773	1216	3249	3126	4327	6699	3379	3961	4118	3	10.9%	66%
ALB	ATN	CP	EU.France	TW	t2	a	abc	abc	abc	ab	a	b	ac	ac	ac	a	ac	ac	ac	ac	ab	abc	abc	abc	abc	abc	abc	abc	abc	ab	abc	abc	a	-1	a	3		
ALB	ATN	NCC	Chinese Taipei	LL	t1	2117	1294	1651	4318	2209	6300	6409	3977	3905	3330	3098	5785	5299	4399	4330	4557	4278	2540	2357	1297	1107	863	1587	1367	1180	2394	947	2857	3134	2385	4	10.7%	77%
ALB	ATN	NCC	Chinese Taipei	LL	t2	a	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	4		
ALB	ATN	CP	EU.France	GN	t1	753	1450	2268	3660	4465	4587	3967	2400	2048	1717	2393	1723	1864	1150	13								2	1		21		7	3	0	5	4.0%	81%
ALB	ATN	CP	EU.France	GN	t2	a	abc	abc	abc	ab	ab	ab	ac	ac	ac	a	ac	ac	ac	a								-1	-1		-1		-1	-1	a	5		
ALB	ATN	CP	EU.Portugal	BB	t1	171	166	3182	700	1622	3369	926	6458	1622	393	76	281	255	1137	1913	516	224	391	21	80	517	54	179	855	1063	502	2601	912	1061	2509	6	3.9%	85%
ALB	ATN	CP	EU.Portugal	BB	t2	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	ab	abc	abc	abc	ab	abc	abc	abc	a	abc	abc	abc	ab	abc	abc	abc	abc	abc	abc	ab	6		
ALB	ATN	CP	EU.Ireland	TW	t1											57	319	80	634	1100	594	172	258	505	586	1514	1997	785	3595	3551	2231	2485	2390	2337	2492	7	3.2%	88%
ALB	ATN	CP	EU.Ireland	TW	t2											-1	b	a	a	abc	abc	abc	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	abc	7		
ALB	ATN	CP	EU.Ireland	GN	t1			40	60	451	1946	2534	918	874	1913	3639	4523	3374	1430																	8	2.5%	91%
ALB	ATN	CP	EU.Ireland	GN	t2			-1	-1	-1	ab	-1	-1	c	c	c	bc	ab	ab																	8		
ALB	ATN	CP	Japan	LL	t1	723	764	737	691	466	485	505	386	466	414	446	425	688	1126	711	680	893	1336	781	288	402	288	525	336	400	1745	267	276	297	368	9	2.1%	93%
ALB	ATN	CP	Japan	LL	t2	abc	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab	ab	9		
ALB	ATN	CP	St. Vincent and Grenadines	LL	t1													703	1370	300	1555	82	802	76	263	130	134	174	329	305	286	327	305	291	296	10	0.9%	94%
ALB	ATN	CP	St. Vincent and Grenadines	LL	t2													-1	-1	a	a	a	-1	a	a	a	a	a	ab	a	ab	a	ab	ab	ab	10		
ALB	ATN	CP	U.S.A.	RR	t1	214	133	175	251	103	224	324	23	309	335	601	90	251	122	323	334	500	356	284	394	125	23	150	171	145	340	137	13	44	28	11	0.8%	95%
ALB	ATN	CP	U.S.A.	RR	t2	ab	a	ab	ab	ab	ab	ab	ab	b	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	11		
ALB	ATN	CP	U.S.A.	LL	t1	56	61	148	201	116	192	230	373	123	184	179	192	146	191	146	106	120	108	103	127	127	158	160	240	261	255	309	229	203	207	12	0.6%	95%
ALB	ATN	CP	U.S.A.	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	12		
ALB	ATN	CP	Venezuela	LL	t1	40	29	93	75	51	18	0	0	52	49	16	36	106	35	67	135	116	111	155	146	138	290	242	247	292	274	437	560	587	601	13	0.6%	96%
ALB	ATN	CP	Venezuela	LL	t2	b	b	b	b	ab	ab	ab	ab	ab	b	ab	ab	ab	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a	13		
ALB	ATN	CP	Venezuela	PS	t1	97	12	1	221	139	228	278	278	263	26	91	55	191	260	93	211	341	63	162	198	70	84	16		21		27			2	14	0.4%	96%
ALB	ATN	CP	Venezuela	PS	t2	a	ab	a	b	-1	ab	ab	ab	b	a	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab		ab		ab			ab	14		
ALB	ATN	CP	EU.España	LL	t1	10	27	8	11	13	8	5	19	35	30	105	86	214		264	12	10	216	80	118	89	240	111	117	133	159	216	177	123	114	15	0.3%	96%
ALB	ATN	CP	EU.España	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	-1	-1	15		
ALB	ATN	CP	Vanuatu	LL	t1																	414	507	235	95	20	140	187	196	172	228	195				16	0.3%	97%
ALB	ATN	CP	Vanuatu	LL	t2																	a	a	a	-1	-1	-1	a	ab	ab	a	a				16		
ALB	ATN	CP	Belize	LL	t1																				22	26	39	366	351	155	230	79	1	399	448	17	0.2%	97%
ALB	ATN	CP	Belize	LL	t2																				a	a	ab	ab	ab	ab	a	a	ab	ac	ab	17		

Table 2. ALB-S stock

							1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017			
				T1 Total			30173	27212	28714	26016	36562	32813	35300	27552	28426	28022	30595	27656	31387	38796	31746	28002	22543	18882	24453	20283	18867	22265	19225	24129	25282	19457	13702	15199	14336	13806			
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**																																	Rank	%	%cum
ALB	ATS	NCC	Chinese Taipei	LL	t1		20746	18386	20442	19883	23063	19400	22573	18351	18956	18165	16106	17377	17221	15833	17321	17351	13288	10730	12293	13146	9966	8678	10975	13032	12813	8519	6675	7157	8907	9090	1	58.6%	59%
ALB	ATS	NCC	Chinese Taipei	LL	t2		ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc		1	
ALB	ATS	CP	South Africa	BB	t1		6526	6834	5220	3355	6306	6845	6842	5204	5425	6581	8401	5010	3463	6715	6057	3323	4153	2856	3365	2024	2334	2967	2446	2029	3466	3395	3620	3898	2001	1640	2	17.4%	76%
ALB	ATS	CP	South Africa	BB	t2		ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	ab	abc	ab	abc	abc	abc	abc	ab	ab	ab	a	a	ab	ab	ab	ab	ab	ab	a	2	
ALB	ATS	CP	Namibia	BB	t1								915	950	982	1192	1422	1072	2240	2969	2858	2432	3079	2031	2426	1058	1856	4936	1263	3711	2275	838	1016	1008	893	205	3	5.7%	82%
ALB	ATS	CP	Namibia	BB	t2								abc	abc	-1	-1	-1	abc	c	ab	ac	-1	abc	abc	abc	abc	abc	abc	abc	abc	ab	abc	abc	ab	abc	abc		3	
ALB	ATS	CP	Brazil	LL	t1		395	433	485	1095	2710	3600	835	723	807	589	3013	1478	3758	6240	2865	1844	285	359	267	222	233	150	207	920	824	778	326	431	494	383	4	4.8%	87%
ALB	ATS	CP	Brazil	LL	t2		a	a	a	a	ab	ab	ab	ab	a	ab	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a		4	
ALB	ATS	CP	Japan	LL	t1		405	450	587	654	583	467	651	389	435	424	418	601	554	341	231	322	509	312	316	238	1370	921	973	1194	2903	3106	1131	1752	1096	1194	5	3.2%	90%
ALB	ATS	CP	Japan	LL	t2		abc	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab	ab	5	
ALB	ATS	CP	South Africa	RR	t1		44	56	60	55	54	36	89	10	209	127		73	58	377	323	82	201	288	324	1696	1028	1855	1529	1268							6	1.3%	91%
ALB	ATS	CP	South Africa	RR	t2		a	a	a	a	a	a	a	-1	a	a		-1	-1	-1	-1	-1	-1	a	a	a	a	-1	a	-1							6		
ALB	ATS	CP	EU.España	LL	t1					0	1	127	135	149	202	180	190	20	871	282	573	829	183	81	261	358	758	908	997	266	250	235	369	256	354	195	259	7	1.2%	92%
ALB	ATS	CP	EU.España	LL	t2				ab	ab	ab	-1	ab	ab	ab	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	b	b	7	
ALB	ATS	CP	Brazil	BB	t1		17	2	29	18		13	392	200	12	63	405	394	627	619	363	803	235	197	85	293	156	18	34	198	1190	979	129	60	55	0	8	1.0%	93%
ALB	ATS	CP	Brazil	BB	t2		a	a	a	a		a	-1	a	a	a	a	a	-1	a	a	a	a	a	a	ab	a	a	a	a	a	a	a	a	a	a	8	
ALB	ATS	CP	St. Vincent and Grenadines	LL	t1														2116	4292	44				65	160	71	51	31	94	92	97	110	100	107	101	9	1.0%	94%
ALB	ATS	CP	St. Vincent and Grenadines	LL	t2														-1	-1	a		a		a	a	a	a	a	a	-1	ab	a	ab	ab	ab	9	
ALB	ATS	CP	EU.Portugal	BB	t1		1153	557	732	81	184	483	1185	655	494	256	124	232	486	40	433	415	9														10	1.0%	95%
ALB	ATS	CP	EU.Portugal	BB	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a														10	
ALB	ATS	CP	Namibia	LL	t1								196			7	7	90	178	450	105	721	250	313	2674	138	102	0	57	80	145	10	41	54	101	8	11	0.8%	96%
ALB	ATS	CP	Namibia	LL	t2								a			-1	-1	a	-1	ab	ac	-1	ab	ab	ab	ab	a	ab	ab	abc	a	ab	a	a	a	a	11	
ALB	ATS	CP	EU.España	PS	t1		185			279	1816	648	682	255	4	66	173	156	7		7	193		24	9		25	64	28	64	116		3	64		88	12	0.7%	97%
ALB	ATS	CP	EU.España	PS	t2		-1	b	b	abc	abc	abc	abc	abc	abc	abc	abc	ac	abc	abc	abc	abc			abc	abc		abc	abc	abc	abc	abc	b	ac	ac		abc	12	
ALB	ATS	CP	EU.France	PS	t1						50	449	564	129	82	190	38	40	13	23	11	18	63	16	478	347	12	50	60	109	53	161	73	38	53	17	79	13	0.4%	97%
ALB	ATS	CP	EU.France	PS	t2		a	a	a	ac	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	ac	ac	abc	13	
ALB	ATS	CP	Vanuatu	LL	t1																			0	684	1400	96	131	64	104	85	35	83	91				14	0.4%	97%
ALB	ATS	CP	Vanuatu	LL	t2																		a	a	a	-1	-1	-1	a	ab	ab	a	a					14	
ALB	ATS	CP	Uruguay	LL	t1		100	83	55	34	31	28	16	49	75	56	110	90	90	135	111	108	120	32	93	34	53	97	24	37	12	209					15	0.2%	98%
ALB	ATS	CP	Uruguay	LL	t2		b	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	b	b	b	b	b	b	ab	ab	ab	ab	ab	ab	ab	ab						15	
ALB	ATS	CP	South Africa	LL	t1		66	0									11	18	89	144	127	64	52	55	46	78	107	125	83	82	86	115	99	132	65	122	16	0.2%	98%
ALB	ATS	CP	South Africa	LL	t2		a	-1									a	ab	ab	ab	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	16	

Table3. ALB-M stock

						T1 Total	4063	4060	1896	2379	2202	2138	1349	1587	3150	2541	2698	4856	5577	4870	5608	7898	4874	3529	5965	6520	2970	4024	2124	4628	2047	1503	2400	3554	4319	2780			
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**		**1988**	**1989**	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	Rank	%	%cum
ALB	MED	CP	EU.Italy	LL	t1		165	165	624	523	436	402	347	81	366	172	172	307	2712	2445	3631	3786	1555	1189	1995	2721	2083	1497	1109	1634	1117	605	1342	1356	1480	1322	1	34.5%	35%
ALB	MED	CP	EU.Italy	LL	t2		a	-1	-1	-1	-1	b	a	-1	-1	-1	-1	-1	ab	b	-1	b	b	b	b	b	bc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	1		
ALB	MED	CP	EU.Italy	GN	t1		110	110	565	668	1025	873	759	1027	1383	1222	1222	2254	916	379	397																	2	11.9%	46%
ALB	MED	CP	EU.Italy	GN	t2		-1	-1	a	a	a	ab	a	-1	-1	-1	-1	-1	ab	b	-1	b		b													2		
ALB	MED	CP	EU.Italy	PS	t1																	3079	2100	1046	2589	1249	15	1230		866		10	9	244	4	26	3	11.5%	58%
ALB	MED	CP	EU.Italy	PS	t2																	-1	-1	-1	b	-1	-1	-1		-1		-1	-1	-1	-1	abc	3		
ALB	MED	CP	EU.Greece	UN	t1		500	500	500	500	500	1	1		952	741	1152	1950	1735	1786	1304																4	11.2%	69%
ALB	MED	CP	EU.Greece	UN	t2		-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1																4		
ALB	MED	CP	EU.Italy	UN	t1		3254	3254					1	1									15	11			0					0					5	6.0%	75%
ALB	MED	CP	EU.Italy	UN	t2		-1	-1					-1	-1								b	b	b	b		-1					-1					5		
ALB	MED	CP	EU.Greece	LL	t1													35	33	40	36	445	427	323	242	257	191	116	125	126	126	165	287	541	1332	608	6	5.0%	80%
ALB	MED	CP	EU.Greece	LL	t2													-1	-1	-1	-1	a	a	ab	ab	-1	a	a	-1	-1	-1	b	b	a	-1	a	6		
ALB	MED	CP	EU.Cyprus	LL	t1																	17	243	337	451	695	204	220	206	247	321	357	385	505	558	568	7	4.9%	85%
ALB	MED	CP	EU.Cyprus	LL	t2																	a	a	a	ab	abc	abc	abc	abc	abc	ab	a	abc	abc	abc	-1	7		
ALB	MED	CP	EU.España	LL	t1		3			1	6	8	3	6	25	176	22	74	51	112	37	1	109	148	322	421	208	204	277	338	385	238	270	52	48	206	8	3.5%	89%
ALB	MED	CP	EU.España	LL	t2		ab			ab	ab	ab	ab	ab	ab	ab	ac	ac	ab	ac	ac	-1	-1	a	a	a	abc	abc	abc	a	abc	ab	abc	abc	ab	abc	8		
ALB	MED	CP	Turkey	GN	t1																						208	631	402	1396						9	2.4%	91%
ALB	MED	CP	Turkey	GN	t2																						a	a	ab	ab						9		
ALB	MED	CP	EU.España	BB	t1				83	499	171	231	81	163	205		33	96	88	77	29			0		0										10	1.6%	93%
ALB	MED	CP	EU.España	BB	t2				ac	ac	ac	c	ac	ac	ac		ac	ac	a	-1	ac			-1		a										10		
ALB	MED	CP	Libya	LL	t1																													750	800		11	1.4%	94%
ALB	MED	CP	Libya	LL	t2																													-1	-1		11		
ALB	MED	CP	EU.Greece	PS	t1																	478	326	287	141	123											12	1.3%	95%
ALB	MED	CP	EU.Greece	PS	t2																	-1	-1	-1	-1	-1											12		
ALB	MED	CP	EU.España	TR	t1					48	50	59	129	306	119	202	45	73			117										2						13	1.1%	97%
ALB	MED	CP	EU.España	TR	t2					abc	abc	abc	abc	abc	abc	abc	abc	abc			abc										a						13		

Table 4. BFT-E stock (ATE region)

						T1 Total	6951	5451	6313	6543	7396	9317	7054	9780	12098	16379	11630	10247	10061	10086	10347	7396	7410	9039	7802	8441	8243	6684	4379	3984	3834	4163	3918	4841	5968	7216			
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**		**1988**	**1989**	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	Rank	%	%cum
BFT	ATE	CP	Japan	LL	t1		1169	838	1464	2981	3350	2484	2075	3971	3341	2905	3195	2690	2895	2425	2536	2695	2015	2598	1896	1612	2351	1904	1155	1089	1093	1129	1134	1386	1578	1911	1	27.4%	27%
BFT	ATE	CP	Japan	LL	t2		abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	1		
BFT	ATE	CP	EU.España	BB	t1		2174	2378	1614	1200	1046	3718	1999	2878	4979	6634	2605	1278	1939	2319	2478	1278	1847	2207	1190	2307	2326	1197	641	562	197	163	92	130	983	1109	2	23.8%	51%
BFT	ATE	CP	EU.España	BB	t2		abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	2		
BFT	ATE	CP	EU.España	TP	t1		2389	1174	2181	1040	1271	1244	1136	941	1207	2723	1926	3106	1416	1240	1548	784	862	880	1126	1348	1194	1209	887	902	1106	1370	1173	1466	968	1299	3	17.7%	69%
BFT	ATE	CP	EU.España	TP	t2		c	c	ac	ac	ab	ab	ac	ab	ab	ab	ac	ac	ab	ac	ac	c	c	abc	b	a	abc	abc	abc	abc	abc	abc	ab	abc	abc	abc	3		
BFT	ATE	CP	Maroc	TP	t1		235	318	323	482	94	387	494	210	699	1240	1615	852	1540	2330	1670	1305	1098	1518	1744	2417	1947	1909	1348	1055	990	960	959	1176	1433	1703	4	14.6%	83%
BFT	ATE	CP	Maroc	TP	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	-1	-1	-1	-1	bc	abc	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	4		
BFT	ATE	CP	Maroc	PS	t1		202	147	54	46	462	24	213	458	323	828	692	709	660	150	884	490	855	871	179												5	3.5%	87%
BFT	ATE	CP	Maroc	PS	t2		-1	-1	b	b		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1												5		
BFT	ATE	CP	EU.France	TW	t1		100	22	101	70	441	436	224	400		57	259	247	394	456	599	518	289	423	829	501	180	295	122	28	36	120	118	166	211	228	6	3.4%	90%
BFT	ATE	CP	EU.France	TW	t2		-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	abc	abc	ab	ab	abc	abc	ab	ab	b	ab	ab	6		
BFT	ATE	CP	EU.France	BB	t1		479	306	367	448	372	164	66	181	310	134	282	270	91	105	150	130	47	69	65	128	67	62	83	74	85	74	2	42	99	77	7	2.1%	92%
BFT	ATE	CP	EU.France	BB	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	ab	ab	b	ab	a	7		
BFT	ATE	CP	EU.Portugal	LL	t1		18	0	14	98	124	89	143	134	97	246	18	404	398	383	160	33	1	66	72	6	12	5			8	0		0	9	13	8	1.1%	94%
BFT	ATE	CP	EU.Portugal	LL	t2		-1	-1	-1	a	a		-1	a		-1	-1	a	a		-1	-1	a	a	a	a	a	ab	a	a	a	a	a		a	a		b	ab	ab	8		
BFT	ATE	CP	EU.Portugal	TP	t1									1	15	19	45	2	40	15	17	27	18	9	25	23	24	46	57	180	215	233	243	263	315	361	9	0.9%	95%
BFT	ATE	CP	EU.Portugal	TP	t2									b	abc	ac	ac	ab	ab	ab	ab	ab	b	b	b	b	b	b	ab	ab	b	ab	ab	ab	ab	ab	9		
BFT	ATE	NCC	Chinese Taipei	LL	t1				109			6	20	4	61	226	350	222	144	304	158			10	4												10	0.7%	95%
BFT	ATE	NCC	Chinese Taipei	LL	t2			a				-1	-1	ab	ab	ab	ab	ab	ab	ab	ab			ab	ab												10		
BFT	ATE	CP	EU.France	GN	t1		145	31	42	47	74	497	21	144	253	3	72	71	57	68	6																11	0.7%	96%
BFT	ATE	CP	EU.France	GN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1														b	b	11		
BFT	ATE	CP	EU.Portugal	BB	t1		29	1	12	5	4	2	219	34	80	447	252	5	2	2	7	1	8	6	7	1									3	8	12	0.5%	96%
BFT	ATE	CP	EU.Portugal	BB	t2		ab	ab	a		-1	a	ab	ab	ab	abc	abc	ab	ab	a	a	a	ab	abc	ab	a	a			a					abc	a	12		
BFT	ATE	CP	China PR	LL	t1												85	103	80	68	39	19	41	24	42	72	119	42	38	36	36	38	37	45	54	64	13	0.5%	97%
BFT	ATE	CP	China PR	LL	t2												-1	a	a	a	a	a	a	a	a	ab	a	a	a	ab	a	a	abc	ab	abc	abc	13		
BFT	ATE	NCO	NEI (Flag related)	LL	t1					85	144	223	68	189	71	208	66																				14	0.5%	97%
BFT	ATE	NCO	NEI (Flag related)	LL	t2					-1	-1	-1	-1	-1	-1	-1	-1																				14		
BFT	ATE	CP	EU.España	HL	t1											162	28	33	126	61	63	109	87	11	4	10	6	2	21	19	25	21	16	59	35	101	15	0.4%	98%
BFT	ATE	CP	EU.España	HL	t2										ab	ac	ac	ab	ac	ac	c	c	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	15		

Table 5. BFT-E stock (MED region)

						1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017			
				T1 Total		17178	15710	17286	19846	24435	24941	39715	37523	39399	34831	38370	39753	39939	39914	39653	42604	42590	40961	42198	52559	16217	13133	6959	5790	7100	9080	9343	11360	13163	16401			
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**	**1988**	**1989**	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	Rank	%	%cum
BFT	MED	NCO	NEI (inflated)	PS	t1											9471	16893	16458	15298	15880	18873	18376	14164	18343	28234											1	21.6%	22%
BFT	MED	NCO	NEI (inflated)	PS	t2											-1	-1	-1	-1	-1	-1	-1	-1	-1	-1											1		
BFT	MED	CP	EU.France	PS	t1	5750	4404	4663	4570	7346	6965	11803	9494	8547	7701	6800	5907	6780	6119	5810	5549	6339	8328	7438	9543	2536	2918	1546	678	678	1940	1944	2299	2763	3320	2	20.1%	42%
BFT	MED	CP	EU.France	PS	t2	bc	abc	bc	bc	b	b	b	b	b	b	bc	bc	bc	bc	bc	bc	bc	bc	bc	ab	abc	abc	abc	ab	ab	abc	abc	b	ab	ac	2		
BFT	MED	CP	EU.Italy	PS	t1	3079	3195	2651	2652	3846	4162	4654	3613	7060	7068	3334	1859	2801	3256	3246	3849	3752	3961	4006	4311	1854	2339	2	752	1374	1474	1539	1678	2050	2409	3	11.5%	53%
BFT	MED	CP	EU.Italy	PS	t2	b	b	-1	-1	-1	-1	-1	ac	-1	-1	b	b	b	-1	b	b	b	b	b	a	ab	abc	-1	abc	-1	-1	b	b	b	-1	3		
BFT	MED	CP	Turkey	PS	t1	1343	1707	2059	2459	2817	3084	3466	4219	4616	5093	5899	1200	1070	2100	2300	3300	1075	990	806	918	879	665	409	528	536	551	544	1091	1324	1515	4	7.3%	61%
BFT	MED	CP	Turkey	PS	t2	b	b	-1	-1	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	ab	ab	ab	ab	ab	ab	ab	abc	abc	bc	a	4		
BFT	MED	CP	Tunisie	PS	t1	153	94	114	1073	975	1997	2523	1617	2147	1992	1662	2263	2134	2432	2510	740	2266	3245	2542	427	2679	1932	1042	852	1017	1057	1057	1248	1461	1755	5	5.9%	66%
BFT	MED	CP	Tunisie	PS	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	-1	-1	-1	a	b	abc	abc	ab	ab	ab	abc	ab	ab	b	abc	ab	5		
BFT	MED	CP	EU.España	PS	t1	160	300	635	807	1366	1431	1725	2896	1657	1172	1573	1504	1676	1453	1686	1886	1778	2242	2013	1649	1645	1167	804	877	1034	917	1122	1169	952	1523	6	5.1%	72%
BFT	MED	CP	EU.España	PS	t2	b	b	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	ab	ab	ab	ab	ab	ab	ab	bc	ab	ab	ab	ab	b	ab	ab	ab	ab	-1	6		
BFT	MED	CP	EU.Croatia	PS	t1				1418	1076	1058	1410	1220	1360	1088	889	921	914	890	975	1137	827	1017	1022	817	821	609	370	366	367	380	378	438	436	587	7	2.9%	74%
BFT	MED	CP	EU.Croatia	PS	t2				a	a	a	a	-1	-1	-1	-1	-1	-1	a	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	a	a	ab	abc	abc	abc	7		
BFT	MED	CP	Libya	PS	t1			129	177	300	568	470	495	598	32	230	195	503		200	512	872	730	1140	1200	1267	1047	645		763	933	933	1153	1368	1631	8	2.3%	77%
BFT	MED	CP	Libya	PS	t2			-1	-1	b	-1	-1	-1	-1	-1	-1	a	a		-1	-1	-1	-1	-1	a	-1	-1	-1		ab	ab	b	ab	ab	-1	8		
BFT	MED	CP	Algerie	PS	t1	474	574	547	560	773	768	1092				900	1056	778	917	922	640	753	623	850	650	972				69	244	244	370	448	1038	9	2.0%	79%
BFT	MED	CP	Algerie	PS	t2	-1	-1	-1	-1	-1	-1	-1				-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				ab	abc	ab	ab	b	b	9		
BFT	MED	CP	EU.Italy	LL	t1	144	144	79	102	78	135	1018	2103	2100	1620	674	515	287	260	395	475	302	310	286	217	216	193	521	670	256	180	115	312	434	411	10	1.8%	81%
BFT	MED	CP	EU.Italy	LL	t2	-1	-1	-1	a	a	b	ab	b	b	-1	ab	-1	ab	-1	-1	b	b	b	b	ab	abc	abc	abc	abc	abc	abc	ac	abc	abc	abc	10		
BFT	MED	CP	EU.España	LL	t1	262	260	149	277	371	187	245	435	416	871	253	418	493	644	436	583	529	484	668	745	804	590	240	58	26	24	34	57	490	126	11	1.4%	82%
BFT	MED	CP	EU.España	LL	t2	ab	ac	abc	ab	ab	ab	ab	abc	ab	ab	ab	ac	ab	ac	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	11		
BFT	MED	CP	Libya	LL	t1			173	164	372	67	802	865	656	925	920	900	1002	1867	331	170	393	318	187	158	51	34									12	1.3%	83%
BFT	MED	CP	Libya	LL	t2			-1	-1	-1	-1	-1	-1	-1	-1	-1	ac	a	a	-1	-1	-1	-1	-1	a	b	b									12		
BFT	MED	CP	Japan	LL	t1	258	127	172	85	123	793	536	813	765	185	361	381	136	152	390	316	638	378	556	466	80	18									13	1.0%	84%
BFT	MED	CP	Japan	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	abc	ac	ac	ac	ac	ac	ac	abc	ac	abc	a	abc									13		
BFT	MED	CP	EU.Greece	HL	t1	82	105	124	98	348	339	766	915	784	1127	279	233	597	341	394	245	73		6	7	93	66	135	52	39	35	78	90	34	45	14	0.9%	85%
BFT	MED	CP	EU.Greece	HL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	-1	-1	a	-1		-1	-1	a	a	a	a	a	a	a	a	a	a	14		
BFT	MED	CP	Panama	LL	t1	67		74	287	484	467	1499	1498	2850	236																					15	0.9%	86%
BFT	MED	CP	Panama	LL	t2	-1		-1	-1	-1	-1	-1	-1	-1	-1																					15		
BFT	MED	CP	Algerie	LL	t1									482	672	175	179	801	503	806	706	501	712	748	754	339										16	0.9%	87%
BFT	MED	CP	Algerie	LL	t2									-1	-1	-1	-1	b	b	b	b	b	-1	b	ab	ab	b									16		
BFT	MED	CP	EU.Italy	TP	t1	301	301	285	263	364	249	201	255	491	225	419	308	353	427	364	145	119	69	125	93	149	144	281	165	125	222	231	192		272	17	0.9%	88%
BFT	MED	CP	EU.Italy	TP	t2	-1	-1	-1	-1	c	b	bc	bc	b	b	b	b	b	b	b	b	b	b	b	ab	ab	ab	ab	abc	ac	-1	-1	-1		-1	17		
BFT	MED	CP	Maroc	HL	t1							373	816	541	455	634	600	650	195	407	570	597	80	187	19		2		78	120	130	134	138	140	185	18	0.9%	89%
BFT	MED	CP	Maroc	HL	t2							-1	c	-1	-1	-1	abc	ab	abc	b	b	b	b	b	b		b		abc	abc	abc	abc	abc	ab	abc	18		
BFT	MED	NCO	NEI (combined)	PS	t1			19	49	49		773	211		101	1030	1995	109	571	508	610	709														19	0.8%	90%
BFT	MED	NCO	NEI (combined)	PS	t2			-1	-1	-1		-1	-1		-1	-1	-1	-1	-1	-1	-1	-1														19		
BFT	MED	CP	EU.Malta	LL	t1	24	29	81	105	80	251	572	587	399	393	407	447	376	219	240	255	264	321	263	144	165	263	136	92	137	89	91	49	97	115	20	0.8%	90%
BFT	MED	CP	EU.Malta	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ac	ac	ac	-1	-1	-1	abc	bc	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	20		
BFT	MED	CP	EU.Italy	RR	t1	111	111	332	364	336	470	775	766	277	235	9	245	217	229	340	284	284	283	157		17	58	165	66	8	10	10	11		15	21	0.8%	91%
BFT	MED	CP	EU.Italy	RR	t2	-1	-1	-1	-1	-1	-1	-1	b	b	-1	-1	-1	-1	-1	-1	-1	b	b	b		-1	-1	b	-1	-1	-1	-1	-1		-1	21		
BFT	MED	CP	EU.Italy	HL	t1	372	369	714	197	189	152	179	226	205	301	5	340	171	184	283	229	241	229	133	16	12	14	93	130	25	51	50	79			22	0.7%	92%
BFT	MED	CP	EU.Italy	HL	t2	-1	-1	-1	b	b	-1	b	b	-1	-1	b	b	b	b	-1	b	b	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			22		
BFT	MED	CP	EU.France	LL	t1								60	580	500	300	246				300	130	309	226	614	134	131	184	112	112	232	234	238	259	289	23	0.7%	93%
BFT	MED	CP	EU.France	LL	t2								-1	-1	-1	-1	-1				-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	b	ab	ab	23		
BFT	MED	NCO	NEI (combined)	LL	t1	633	757	341	1750	1349																										24	0.6%	93%
BFT	MED	NCO	NEI (combined)	LL	t2	-1	-1	-1	-1	-1																										24		
BFT	MED	NCC	Chinese Taipei	LL	t1						328	709	494	411	278	106	27	169	329	508	445	51	267	5												25	0.5%	94%
BFT	MED	NCC	Chinese Taipei	LL	t2						-1	-1	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab												25		
BFT	MED	CP	Maroc	TP	t1	96	359	1118	912	201	73	703	127	15	63	35	30	39	307							3										26	0.5%	94%
BFT	MED	CP	Maroc	TP	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							-1										26		
BFT	MED	CP	Algerie	TP	t1	203	246	235	240	331	329	468	156	156	157	399	367	290	366	41																27	0.5%	95%
BFT	MED	CP	Algerie	TP	t2	-1	-1	-1	-1	b	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																27		

Table 6. BFT-W stock

Species	Stock	Status	FlagName	GearGrp	DSet	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Rank	%	%cum
				T1 Total		2902	2766	2782	2929	2296	2384	2113	2448	2512	2334	2657	2772	2775	2784	3319	2305	2125	1756	1811	1638	2000	1980	1857	2007	1754	1482	1627	1842	1901	1851			
BFT	ATW	CP	U.S.A.	RR	t1	432	557	752	696	324	540	462	844	840	931	777	760	683	1244	1523	991	716	425	376	634	658	860	682	592	568	365	478	694	867	795	1	31.1%	31%
BFT	ATW	CP	U.S.A.	RR	t2	abc	abc	abc	abc	abc	abc	abc	abc	bc	abc	abc	abc	abc	abc	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	1		
BFT	ATW	CP	Japan	LL	t1	1109	468	550	688	512	581	427	387	436	330	691	365	492	506	575	57	470	265	376	277	492	162	353	578	289	317	302	347	345	346	2	19.3%	50%
BFT	ATW	CP	Japan	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	2		
BFT	ATW	CP	Canada	RR	t1	7		28	32	30	88	71	195	155	245	303	348	433	402	508	407	421	497	629	389	475	390	324	295	347	325	331	389	323	344	3	12.9%	63%
BFT	ATW	CP	Canada	RR	t2	b		a	ab	ab	ab	ab	ab	ab	ab	ab	bc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	3		
BFT	ATW	CP	U.S.A.	LL	t1	260	244	275	305	347	177	185	211	235	191	156	222	242	130	224	299	275	211	205	173	233	335	239	241	295	208	222	89	105	116	4	9.8%	73%
BFT	ATW	CP	U.S.A.	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	b	ab	abc	ab	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	4		
BFT	ATW	CP	U.S.A.	PS	t1	383	385	384	237	300	295	301	249	245	250	249	248	275	196	208	265	32	178	4	28		11			2	43	42	39			5	7.2%	80%
BFT	ATW	CP	U.S.A.	PS	t2	bc	bc	bc	bc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	b	b	c	bc		bc			bc	bc	bc	bc			5		
BFT	ATW	CP	Canada	TL	t1	268	579	404	447	403	284	203	262	298	138	172	125	81	79	39	42	49	44	35	23	24	37	40	30	34	52	40	35	15	23	6	6.4%	87%
BFT	ATW	CP	Canada	TL	t2	-1	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	6		
BFT	ATW	CP	U.S.A.	HP	t1	151	187	129	129	105	88	68	77	96	98	133	116	184	102	55	88	41	32	30	23	30	66	29	70	52	45	68	77	53	82	7	3.7%	90%
BFT	ATW	CP	U.S.A.	HP	t2	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	b	b	b	b	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	7		
BFT	ATW	CP	U.S.A.	HL	t1	159	227	210	341	218	224	228	66	33	17	29	15	3	9	4		1	2	0		1	0	3	1	1	0			1	5	8	2.7%	93%
BFT	ATW	CP	U.S.A.	HL	t2	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	b	b	b	b	c		c	bc	bc	bc	bc	bc			bc	bc	8		
BFT	ATW	CP	Canada	LL	t1	104	53	4	6	9	25	5	4	22	12	32	31	47	20	53	28	43	36	48	58	30	64	89	112	65	67	61	74	85	74	9	2.0%	95%
BFT	ATW	CP	Canada	LL	t2	b	b	ab	a	a	a	ab	ab	ab	ab	ab	abc	abc	bc	abc	abc	abc	abc	bc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	9		
BFT	ATW	CP	Canada	TP	t1	14	1	2		1	29	79	72	90	59	68	44	16	16	28	84	32	8	3	4	23	23	39	26	17	11	20	6	10	13	10	1.2%	96%
BFT	ATW	CP	Canada	TP	t2	b	b	ab		ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	10		
BFT	ATW	NCO	NEI (Flag related)	LL	t1												429	270	49																	11	1.1%	97%
BFT	ATW	NCO	NEI (Flag related)	LL	t2												-1	-1	-1																	11		
BFT	ATW	CP	Canada	HP	t1						33	34	43	32	55	36	38	18	20	13	10	7	14	20	17	24	18	37	30	31	25	11	26	25	17	12	0.9%	98%
BFT	ATW	CP	Canada	HP	t2						ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	12		
BFT	ATW	CP	Mexico	LL	t1	6	7	2	9	15	17	4	23	19	2	8	14	29	10	12	22	9	10	14	7	7	10	14	14	52	23	51	53	55	34	13	0.8%	99%
BFT	ATW	CP	Mexico	LL	t2	-1	-1	-1	-1	-1	-1	ab	b	ab	ab	ab	ab	ab	bc	b	ab	ab	ab	ab	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	13		

Table 7. BET-A stock (AT + MD)

Species	Stock	Status	FlagName	GearGrp	DSet	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Rank	%	%cum
				T1 Total		66410	78720	85264	97197	100117	113862	134936	128028	120751	110266	107935	121643	103727	91201	75726	87702	90058	67889	59141	69510	63364	76324	75930	76366	71059	67849	75029	79949	79958	79447			
BET	A+M	CP	Japan	LL	t1	31664	39419	35024	29488	34128	35053	38503	35477	33171	26490	24330	21833	24605	18087	15306	19572	18509	14026	15735	17993	16684	16395	15205	12306	15390	13397	13603	12168	10365	10980	1	25.0%	25%
BET	A+M	CP	Japan	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	1		
BET	A+M	NCC	Chinese Taipei	LL	t1	1469	940	5744	13850	11546	13426	19680	18023	21850	19242	16314	16837	16795	16429	18483	21563	17717	11984	2965	12116	10418	13252	13189	13732	10819	10316	13272	16453	13115	11845	2	15.2%	40%
BET	A+M	NCC	Chinese Taipei	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	2		
BET	A+M	CP	EU.España	PS	t1	5600	5091	6302	9395	9362	12495	12700	9971	8970	6240	4863	5508	6901	5923	7038	6595	4187	3155	3416	3359	5456	8019	7910	8050	7485	6849	6464	5574	6808	6064	3	7.7%	48%
BET	A+M	CP	EU.España	PS	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	3		
BET	A+M	NCO	NEI (Flag related)	LL	t1	2155	4650	5856	8982	6146	4378	8964	10697	11862	16565	23484	22190	15092	7907	383																4	5.6%	54%
BET	A+M	NCO	NEI (Flag related)	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																4		
BET	A+M	CP	EU.España	BB	t1	2588	2761	3814	5484	5518	4901	9848	8073	6248	6260	2165	8563	4084	3897	3164	4158	3838	4417	3783	3007	1959	3868	2819	4506	2913	2389	3463	3508	3835	4811	5	4.9%	59%
BET	A+M	CP	EU.España	BB	t2	abc	abc	abc	ac	ac	ac	ac	ac	ac	abc	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	5		
BET	A+M	CP	EU.Portugal	BB	t1	2724	5279	6159	5598	5639	5493	3036	9629	5810	5437	6334	3314	1498	1605	2420	1572	3161	3721	4626	4872	2738	5121	2872	6470	5986	5240	3737	3012	1677	2698	6	4.8%	63%
BET	A+M	CP	EU.Portugal	BB	t2	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	6		
BET	A+M	CP	EU.France	PS	t1	1754	1502	2636	3971	5682	11733	11046	7076	7128	4671	4149	4056	4620	3584	3668	3628	2736	2135	2481	1157	1039	2193	3294	3663	3766	3253	3528	2531	4184	3629	7	4.5%	68%
BET	A+M	CP	EU.France	PS	t2	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	7		
BET	A+M	CP	China PR	LL	t1						70	428	476	520	427	1503	7347	6564	7210	5840	7890	6555	6200	7200	7399	5686	4973	5489	3720	3231	2371	2232	4942	5852	5514	8	4.1%	72%
BET	A+M	CP	China PR	LL	t2						-1	b	b	b	-1	a	a	a	ab	ab	a	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	abc	ab	abc	abc	8		
BET	A+M	CP	Ghana	PS	t1									1328	2970	3138	6648	3468	5621	5606	5330	6201	5444	2136	2369	2868	3558	5370	3030	3914	3356	3410	6249	5757	4503	9	3.5%	75%
BET	A+M	CP	Ghana	PS	t2									abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	9		
BET	A+M	CP	Ghana	BB	t1	1214	2158	5031	4090	2866	3577	4738	5517	3423	7204	7509	5056	2164	4242	873	3731	11687	3416	171	190	504	957	883	511	362	461	806	564	339	323	10	3.2%	79%
BET	A+M	CP	Ghana	BB	t2	abc	abc	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	10		
BET	A+M	CP	Panama	PS	t1	18	85	717	1013	2517	4113	5378	4304	1934	431	175	319	378	89	63		1521	2461	2521	3057	2360	2490	3085	3531	1736	2853	2341	1289	2022	1559	11	2.0%	81%
BET	A+M	CP	Panama	PS	t2	b	b	b	ab	a	ab	ab	ab	ab	ab	ab	a	ab	ab	ab		ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	11		
BET	A+M	CP	Panama	LL	t1	3847	3157	5258	6320	7474	5998	7709	5623	2843	1667	1077		484	473	148														315	105	12	2.0%	83%
BET	A+M	CP	Panama	LL	t2	-1	-1	-1	-1	a	-1	-1	-1	-1	-1	-1		a	-1	-1														-1	-1	12		
BET	A+M	CP	Curaçao	PS	t1									1893	2890	2919	3428	2359	2803	1879	2758	3343	13	441	272	1734	2465	2747	3488	2950	1998	2357	2573	3598	2844	13	1.9%	85%
BET	A+M	CP	Curaçao	PS	t2									ab	ab	ab	a	ab	ab	ab	ab	ab	b	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	13		
BET	A+M	CP	Brazil	LL	t1	946	512	591	350	790	1256	596	1935	1707	1237	644	2024	2762	2534	2582	2374	1379	1014	1423	927	785	1009	1055	1452	1165	1377	1966	2606	2322	2171	14	1.6%	86%
BET	A+M	CP	Brazil	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	ab	14		
BET	A+M	CP	Korea Rep.	LL	t1	4919	7896	2690	802	866	377	386	423	1250	796	163	124	43	1	87	143	629	770	2067	2136	2599	2134	2646	2762	1908	1151	1039	677	562	432	15	1.6%	88%
BET	A+M	CP	Korea Rep.	LL	t2	ab	ab	ab	ab	ab	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	ab	ab	abc	abc	abc	abc	abc	abc	15		
BET	A+M	CP	EU.France	BB	t1	2503	2040	2739	2258	1892	2018	2187	2000	2357	1746	1942	1998	1921	1593	786	758	587	597	571	261	141	269	156	238	175	25	74	51	135	127	16	1.3%	89%
BET	A+M	CP	EU.France	BB	t2	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	16		
BET	A+M	CP	Philippines	LL	t1											1154	2113	975	377	837	855	1854	1743	1816	2368	1874	1880	1399	1267	532	1323	1964				17	0.9%	90%
BET	A+M	CP	Philippines	LL	t2											a	a	a	-1	-1	a	a	a	a	a	a	ab	ab	abc	abc	abc	abc				17		
BET	A+M	CP	Brazil	HL	t1																			3	7	0	69	22	210	555	2012	4332	4967	5336	5086	18	0.9%	91%
BET	A+M	CP	Brazil	HL	t2																			-1	-1	-1	-1	a	-1	-1	-1	a	-1	-1	ab	18		
BET	A+M	CP	U.S.A.	LL	t1	710	600	559	855	564	836	943	982	713	795	696	930	532	682	536	284	310	312	521	381	428	430	443	603	582	509	584	574	386	561	19	0.7%	92%
BET	A+M	CP	U.S.A.	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	19		
BET	A+M	CP	Cape Verde	PS	t1																		1151	1433	1283	482	605	655	1076	734	1377	2361	2757	1679	1106	20	0.6%	92%
BET	A+M	CP	Cape Verde	PS	t2																	b	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	20		
BET	A+M	CP	Senegal	BB	t1	4			5		5	11	60	84	204	676	1473	1131	1308	565	541	574	721	1267	804	926	1041	843	215	226	639	361	501	577	287	21	0.6%	93%
BET	A+M	CP	Senegal	BB	t2	ab	ab	b	a		a	a	a	ac	a	a	ab	a	ab	ab	ab	ab	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	21		
BET	A+M	CP	EU.España	LL	t1	491	603	481	451	347	150	153	176	233	268	385	116	598	211	333	427	417	104	337	346	268	327	751	700	585	865	928	868	604	594	22	0.5%	93%
BET	A+M	CP	EU.España	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	b	b	22		
BET	A+M	CP	Guatemala	PS	t1																736	831	1054	977	851	1024	922	1029	288	273	168	1007	340	1103	1602	23	0.5%	94%
BET	A+M	CP	Guatemala	PS	t2																ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	23		
BET	A+M	CP	Vanuatu	PS	t1				470	676	1807	2713	2610	2016	828		314																			24	0.4%	94%
BET	A+M	CP	Vanuatu	PS	t2		b		a	a	a	a	a	a	a		a																			24		
BET	A+M	NCO	Mixed flags (EU tropical)	PS	t1	164	172	153	663	379	494	457	582	169	301	193	143	281	28	8	198	378	294	189	348	337	375	324	257				989	1187	972	25	0.4%	95%
BET	A+M	NCO	Mixed flags (EU tropical)	PS	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	-1	-1	-1	-1	-1	-1	-1	b	b	b	b	b	b	b	b	-1	-1	-1	25		

Table 8. YFT-E region

						1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017			
			T1 Total			101642	125489	160873	130626	126058	124706	125530	119314	116096	105034	113576	105615	96531	113139	104767	97467	88169	75524	77528	76250	93613	98782	97462	94494	93742	85067	92859	105088	117432	102216			
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**																															Rank	%	%cum
YFT	ATE	CP	EU.España	PS	t1	48201	60746	66565	51762	48952	40044	39734	37707	31866	23901	28282	19332	24764	30433	30343	23665	20454	11121	10607	12833	23557	32140	24191	18238	17898	11336	13463	19918	17802	10817	1	26.9%	27%
YFT	ATE	CP	EU.España	PS	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	1		
YFT	ATE	CP	EU.France	PS	t1	16276	28827	42431	31199	31894	35031	34396	28877	32633	29737	31123	31010	30287	31871	31600	32344	23961	22319	18480	10934	15981	18748	20093	21772	18590	20390	20878	19239	25766	25611	2	24.7%	52%
YFT	ATE	CP	EU.France	PS	t2	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	2		
YFT	ATE	CP	Ghana	BB	t1	8375	6855	11808	9074	9223	13283	9984	9268	5640	9459	9139	11810	7451	11605	7426	6711	9943	6655	9173	10174	7325	6257	6301	6771	5791	4526	6023	6488	6765	5919	3	7.7%	59%
YFT	ATE	CP	Ghana	BB	t2	abc	abc	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	3		
YFT	ATE	CP	Ghana	PS	t1									2542	5628	4710	9640	5222	12240	11120	9127	5502	6364	4865	5396	9197	9602	13951	11730	12984	11448	16819	16079	16827	16703	4	6.9%	66%
YFT	ATE	CP	Ghana	PS	t2									abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	4		
YFT	ATE	CP	Panama	PS	t1	1809	3131	7207	6623	7041	7781	8548	10854	5759	3137	1753	775	1087	574	1022		1887	6325	8682	9539	6289	5911	5102	4459	5058	4062	4646	3202	4305	5090	5	4.5%	71%
YFT	ATE	CP	Panama	PS	t2	b	b	b	ab	a	ab	ab	ab	ab	ab	ab	a	ab	ab	ab		ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	5		
YFT	ATE	CP	Curaçao	PS	t1									3183	6082	6110	3962	5441	4793	4035	6185	4161	15	1964	1390	7367	6469	5397	4501	6906	3813	5230	6140	7905	6535	6	3.4%	74%
YFT	ATE	CP	Curaçao	PS	t2									ab	ab	ab	a	ab	ab	ab	ab	ab	b	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	6		
YFT	ATE	CP	Japan	LL	t1	3587	3792	4185	3020	2124	2627	4194	4770	4246	2733	4092	2101	2286	1550	1534	1999	5066	3088	4206	8496	5266	3563	3041	3348	3637	3843	3358	2855	2914	2715	7	3.3%	77%
YFT	ATE	CP	Japan	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	7		
YFT	ATE	CP	Cape Verde	PS	t1												0	6	12	884	246	356	5110	4443	3556	7295	3620	4954	5260	3469	6424	3591	6651	4933	1491	8	2.0%	79%
YFT	ATE	CP	Cape Verde	PS	t2						a			a	a	a	a	a	a	a	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	8		
YFT	ATE	NCC	Chinese Taipei	LL	t1	207	96	2244	2163	1554	1301	3851	2681	3985	2993	3643	3389	4014	2787	3363	4946	4145	2327	860	1707	807	1180	537	1463	819	1023	902	927	761	563	9	1.9%	81%
YFT	ATE	NCC	Chinese Taipei	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	9		
YFT	ATE	CP	Guatemala	PS	t1																2207	1588	2963	5300	3478	3768	2612	3158	2811	2961	4036	3773	5200	2703	3647	10	1.6%	83%
YFT	ATE	CP	Guatemala	PS	t2																ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	10		
YFT	ATE	CP	EU.España	BB	t1	2266	1182	2384	2623	1758	1498	1767	1101	3069	996	3509	1311	601	504	917	1379	1292	798	928	769	1055	874	1561	3010	973	593	1043	1068	1393	1416	11	1.4%	84%
YFT	ATE	CP	EU.España	BB	t2	abc	abc	abc	ac	ac	ac	ac	ac	ac	ac	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	abc	abc	11		
YFT	ATE	CP	Maroc	PS	t1	1331	2305	5306	1799	2653	2396	3017	2290	3430	1947	2276	2307	2441	3000	2032	1567	719	1757	127				9	8	21	17	11	35	27	12	1.4%	86%
YFT	ATE	CP	Maroc	PS	t2	b	b	b	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab				-1	-1	-1	-1	-1	-1	-1	12		
YFT	ATE	CP	Belize	PS	t1											963		321	406								377	1820	3154	5888	5295	7070	7125	3497	5782	13	1.3%	87%
YFT	ATE	CP	Belize	PS	t2											a		ab	ab		b						abc	ab	ab	ab	ab	ab	ab	ab	abc	13		
YFT	ATE	CP	Cape Verde	HL	t1	1997	1985	1634	1272	1202	1344	1560	1362	1289	1299	1145	1185	1388	1374	918	1617	1501	985	1218	1048	648	1121	1054	800	1164	1167	1167	1167	2057	1265	14	1.2%	88%
YFT	ATE	CP	Cape Verde	HL	t2	b	b	b	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	-1	a	-1	14		
YFT	ATE	CP	EU.France	BB	t1	4304	2197	3671	4571	3103	2587	2533	1764	1658	887	319	1068	416	684	1444	757	585	596	588	430	186	378	360	609	258	29	322	340	432	283	15	1.2%	89%
YFT	ATE	CP	EU.France	BB	t2	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	15		
YFT	ATE	NCO	NEI (Flag related)	LL	t1	206	280	1115	2310	1315	1157	2524	2975	3588	3368	5464	5182	3072	2019	43	466															16	1.1%	90%
YFT	ATE	NCO	NEI (Flag related)	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1															16		
YFT	ATE	CP	St. Vincent and Grenadines	PS	t1				510	4936	5391	2476	2142	2969	3017	3327	1916	1987	3640									1									17	1.0%	91%
YFT	ATE	CP	St. Vincent and Grenadines	PS	t2				ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	b							-1									17		
YFT	ATE	CP	Russian Federation	PS	t1				3200	1862	2160	1503	2936	2696	4275	4931	4359	737							42	211	42	33									18	0.9%	92%
YFT	ATE	CP	Russian Federation	PS	t2				-1	b	-1	b	b	-1	b	b	-1	-1							-1	abc	-1	a									18		
YFT	ATE	CP	Panama	LL	t1	1239	901	1498	1270	1297	3134	3422	2588	1954	1156	358	385		52	90								169									19	0.6%	93%
YFT	ATE	CP	Panama	LL	t2	-1	-1	-1	-1	a	-1	-1	-1	-1	-1	-1	-1		-1	-1				a	a	a	a					a					19		
YFT	ATE	CP	El Salvador	PS	t1														933															2750	8252	6227	20	0.6%	94%
YFT	ATE	CP	El Salvador	PS	t2														ab															abc	abc	abc	20		
YFT	ATE	NCO	Mixed flags (EU tropical)	PS	t1	247	259	230	998	571	744	688	876	254	452	291	216	423	42	13	298	570	292	251	416	464	467	857	1601					1855	1691	1155	21	0.5%	94%
YFT	ATE	NCO	Mixed flags (EU tropical)	PS	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	-1	-1	-1	-1	-1	-1	-1	b	b	b	b	b	b	b	b	b	-1	-1	-1	21		
YFT	ATE	CP	Senegal	BB	t1	104	143	112	52		13	6	20	41	208	251	834	252	295	447	279	668	1301	1262	816	550	1157	1168	1014	1647	1218	500	583	692	241	22	0.5%	95%
YFT	ATE	CP	Senegal	BB	t2	ab	ab	ab	a		a	a	a	ac	a	a	ab	a	ab	ab	ab	ab	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	22		
YFT	ATE	CP	China PR	LL	t1						139	156	200	124	84	71	1535	1652	586	262	1033	1030	1112	1056	1000	365	214	169	220	170	130	20	78	286	346	23	0.4%	95%
YFT	ATE	CP	China PR	LL	t2						-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	a	a	abc	abc	23		

Table 9. YFT-W region

						T1 Total	34594	36902	32731	36897	37712	38745	48215	35274	33056	32341	30919	30710	35623	40317	29660	24982	31238	26068	28272	24167	18123	18777	20855	17794	21654	23440	23914	24017	33790	32858			
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**	**1988**		**1989**		**1990**		**1991**		**1992**		**1993**		**1994**		**1995**		**1996**		**1997**		**1998**		**1999**		**2000**		**2001**		**2002**		**2003**		**2004**		**2005**		**2006**		**2007**		**2008**		**2009**		**2010**		**2011**		**2012**		**2013**		**2014**		**2015**		**2016**		**2017**		Rank	%	%cum
YFT	ATW	CP	Venezuela	PS	t1	5992		11612		6533		11967		9693		12659		19587		6338		10777		11653		9157		6523		7572		13100		7961		4607		3185		2634		4439		2341		2067		1363		2722		2253		3291		3635		2581		1920		2367		3373	1	21.5%	21%
YFT	ATW	CP	Venezuela	PS	t2	ab		ab		a		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab	1		
YFT	ATW	CP	U.S.A.	LL	t1	8644		6247		4474		4141		5337		3886		3246		3645		3320		3773		2449		3541		2901		2200		2573		2164		2492		1746		2010		2395		1394		1686		1218		1462		2270		1544		1446		1041		1300		1404	2	9.5%	31%
YFT	ATW	CP	U.S.A.	LL	t2	ab		ab		ab		ab		a		ab		ab		ab		ab		ab		ab		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc	2		
YFT	ATW	CP	U.S.A.	RR	t1	1899		1930		545		1418		957		1898		4523		4053		4032		3569		2927		3967		3862		4185		2887		5328		3759		3657		4908		2966		1033		1011		1231		1498		1727		687		1067		936		1911		1832	3	8.4%	39%
YFT	ATW	CP	U.S.A.	RR	t2	ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		abc		ab		abc		ab		ab		ab		abc		abc		abc		abc		abc		abc		abc		abc		abc	3		
YFT	ATW	CP	Venezuela	BB	t1	4226		3458		3765		4190		3616		3296		4350		2684		2604		2632		4267		4152		3660		4039		3166		2475		2030		1631		1481		951		489		929		809		1068		788		673		395		428		771		500	4	7.7%	47%
YFT	ATW	CP	Venezuela	BB	t2	ab		ab		a		a		a		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab	4		
YFT	ATW	CP	Brazil	HL	t1													60		18		69		156										272						30		22		25		2		61		415		1570		5208		10415		12123		13658		16878	5	6.7%	54%
YFT	ATW	CP	Brazil	HL	t2													b		-1		-1		-1										-1						-1		-1		-1		-1		a		-1		-1		-1		a		-1		-1		ab	5		
YFT	ATW	CP	Brazil	LL	t1	898		1126		661		582		1248		1518		1084		1312		734		849		1014		2930		2754		4883		3323		1941		1968		4695		1329		1552		1744		1039		2989		1954		2558		1141		1112		1206		2579		1118	6	6.0%	60%
YFT	ATW	CP	Brazil	LL	t2	ab		a		a		ab		ab		a		ab		a		a		a		a		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab	6		
YFT	ATW	CP	Brazil	BB	t1	1596		1376		953		1169		2660		3087		2744		2613		1956		1643		1229		1197		3093		1276		2843		1289		2838		2236		1214		1353		397		402		627		1243		511		928		118		315		445		366	7	4.8%	65%
YFT	ATW	CP	Brazil	BB	t2	ab		ab		ab		ab		ab		ab		ab		a		a		a		a		a		-1		a		a		a		a		a		ab		a		a		a		a		a		a		a		a		a		ab	7		
YFT	ATW	NCC	Chinese Taipei	LL	t1	1641		762		5221		2009		2974		2895		2809		2017		2668		1473		1685		1022		1647		2018		1296		1540		1679		1269		400		240		315		211		287		305		252		236		139		293		181		213	8	4.4%	69%
YFT	ATW	NCC	Chinese Taipei	LL	t2	ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		abc		abc		abc	8		
YFT	ATW	CP	Japan	LL	t1	2395		3178		1734		1698		1591		469		589		457		1004		806		1081		1304		1775		1141		571		755		1194		1159		437		541		986		1431		1539		1106		1024		734		465		613		462		416	9	3.6%	73%
YFT	ATW	CP	Japan	LL	t2	abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		abc		ab		ab		ab	9		
YFT	ATW	NCO	NEI (Flag related)	LL	t1	2118		2500		2985		2008		2521		1514		1880		1227		2374		2732		2875		1578		2197		765		14		112																													10	3.3%	76%
YFT	ATW	NCO	NEI (Flag related)	LL	t2	-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1																													10		
YFT	ATW	CP	Mexico	LL	t1	283		345		112		433		742		855		1093		1126		771		826		788		1283		1390		1084		1133		1313		1208		1050		943		896		961		1220		924		1183		1421		1006		1048		971		1282		1244	11	3.2%	79%
YFT	ATW	CP	Mexico	LL	t2	-1		-1		-1		-1		-1		a		ac		a		a		a		a		a		c		-1		a		ab		a		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		abc	11		
YFT	ATW	CP	St. Vincent and Grenadines	LL	t1																					152		1956		1341		1147		543		4227						2633		2972		2532		2230		819		927		551		325		481		124		434		642	12	2.7%	82%
YFT	ATW	CP	St. Vincent and Grenadines	LL	t2																					-1		-1		-1		a		a		a						a		a		a		a		a		a		a		a		a		a		a		ab	12		
YFT	ATW	CP	Panama	LL	t1	2192		1595		2651		2249		2297												5				20		28										2804		227		153		119		2134				1995		902				1837				13	2.3%	84%
YFT	ATW	CP	Panama	LL	t2	-1		-1		-1		-1		-1												-1		a		-1		-1										a		a		a		a		-1				a		a				-1				13		
YFT	ATW	CP	Venezuela	LL	t1	731		497		258		338		459		707		850		687		383		381		560		504		421		451		266		323		559		828		593		613		712		898		1249		1090		736		738		790		773		1060		1181	14	2.2%	86%
YFT	ATW	CP	Venezuela	LL	t2	b		b		b		-1		a		a		a		a		a		ab		ab		ab		a		-1		-1		a		a		a		a		a		a		a		a		a		a		a		a		a		a		a	14		
YFT	ATW	CP	Trinidad and Tobago	LL	t1	1		10		303		540				4		120		79		183		223		213		163		112		122		125		186		224		295		459		615		520		629		788		798		930		1128		1141		1179		1057		889	15	1.4%	88%
YFT	ATW	CP	Trinidad and Tobago	LL	t2	-1		-1		-1		-1				-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		a		a		a		a		a		a		a		a		a		a		a		a		ab		ab		ab	15		
YFT	ATW	NCO	Colombia	UN	t1	206		136		237		92		95				3418		7172		238		46		46		46		46		46		46		46		46																											16	1.3%	89%
YFT	ATW	NCO	Colombia	UN	t2	-1		-1		-1		-1		-1				-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1																											16		
YFT	ATW	CP	Brazil	UN	t1	17		31		144		87		320		526		281		66						271						71						2147		292		1213		2541		581		1868																			17	1.2%	90%
YFT	ATW	CP	Brazil	UN	t2	-1		-1		-1		-1		-1		-1		-1		-1						-1						-1						-1		-1		b		-1		-1		-1																		b	17		
YFT	ATW	CP	Grenada	UN	t1	215		235		530		620		595		858		385				523		302		484		430		403		759																																			18	0.7%	91%
YFT	ATW	CP	Grenada	UN	t2	-1		-1		-1		-1		-1		-1		-1				-1		-1		-1		-1		-1		-1																																			18		
YFT	ATW	CP	Grenada	LL	t1															409												593		749		460		492		502		633		756		630		673																			19	0.7%	92%
YFT	ATW	CP	Grenada	LL	t2															-1												-1		a		a		a		a		a		a		-1		-1																			19		
YFT	ATW	CP	Vanuatu	LL	t1																															681		689		661		555		873		816		720		330		207		124		17																			20	0.6%	92%
YFT	ATW	CP	Vanuatu	LL	t2																															a		a		a				-1		-1		-1		a		ab		ab		a		a																			20		
YFT	ATW	CP	China PR	LL	t1																							628		655		22		470		435		17		275		74		29		124		284		248		258		126		94		81		73		91		182		232	21	0.5%	93%
YFT	ATW	CP	China PR	LL	t2																					a		a		a		a		a		a		a		a		ab		a		ab		ab		ab		ab		ab		ab		abc		ab		abc		abc	21		
YFT	ATW	CP	Korea Rep.	LL	t1	120		1055		484		1		45		11						84		156																580		279		270		10		52		56		470		472		115		39		11		12		3	22	0.5%	93%
YFT	ATW	CP	Korea Rep.	LL	t2	ab		ab		ab		ab		ab		a		a		a		a		a														a		a		a		a		ab		a		abc		abc		abc		abc		abc		abc		abc	22		
YFT	ATW	CP	Belize	LL	t1																																			143		1164		1160		940		264		42		41		38		33				39		359	23	0.5%	94%
YFT	ATW	CP	Belize	LL	t2																																			a		a		a		ab		ab		ab		ab		ab		ab		a		ab			23		
YFT	ATW	CP	EU.España	PS	t1							1451		1290		810																																																281		265	24	0.5%	94%
YFT	ATW	CP	EU.España	PS	t2							a		abc		a		a		a		ac		ac		a		ac		a		a		ac		a		a		ac		a		a		abc		abc		abc		abc		ac		abc		ac		a		ac	24		
YFT	ATW	NCC	Suriname	LL	t1																																																										1943		1829					25	0.4%	95%
YFT	ATW	NCC	Suriname	LL	t2																																																											-1		-1					25		
YFT	ATW	CP	EU.France	LL	t1																																																											122		456		712		412		358		647		632				242	26	0.4%	95%
YFT	ATW	CP	EU.France	LL	t2																																																															-1		-1		-1		-1		-1		-1		-1				-1	26		

Table 10. SKJ-E stock

							1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017			
					T1 Total		121086	94937	118909	190065	141050	176587	161432	152669	129554	117243	132365	153331	126477	132169	100924	130734	154243	143566	111600	115918	123698	137835	163579	186455	216888	219979	199473	216954	229362	242536			
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**																																	Rank	%	%cum
SKJ	ATE	CP	EU.España	PS	t1		45792	30957	45077	78877	50579	66402	49987	48733	33947	33428	29976	42714	37145	27798	21596	39396	33421	18718	14975	17675	27918	30041	34175	46823	48185	57594	43139	38754	41085	46867	1	25.5%	25%
SKJ	ATE	CP	EU.España	PS	t2		abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	1		
SKJ	ATE	CP	Ghana	BB	t1		26009	22163	23663	24464	18379	19637	21258	18607	20115	20315	25895	31134	22919	44464	18516	18094	34151	26042	20597	22845	13893	19743	13731	16012	16709	11262	10126	12291	13415	9736	2	13.3%	39%
SKJ	ATE	CP	Ghana	BB	t2		abc	abc	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab		2		
SKJ	ATE	CP	EU.France	PS	t1		14058	12971	16393	36875	25738	39637	37806	28059	23856	16736	17850	22317	21426	15829	15899	21505	23224	13523	5770	3580	3948	7722	14582	13569	13395	16022	17085	20253	18164	15392	3	11.9%	51%
SKJ	ATE	CP	EU.France	PS	t2		ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc		3		
SKJ	ATE	CP	Ghana	PS	t1										4090	6065	17717	22954	13598	13076	21677	16341	13595	28167	11337	12574	24755	24179	31773	28157	35918	33180	34125	45585	35630	45772	4	11.2%	62%
SKJ	ATE	CP	Ghana	PS	t2										abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab		4		
SKJ	ATE	CP	Panama	PS	t1		1378	1041	4839	8247	8719	12939	12845	14853	5855	1300	572	1117	1374	281	342		7126	12286	14016	19798	8946	9199	9944	13119	11211	15520	14565	8372	11510	8815	5	5.2%	67%
SKJ	ATE	CP	Panama	PS	t2		b	b	b	ab	a	ab	ab	ab	ab	ab	ab	a	ab	ab	ab		ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc		5		
SKJ	ATE	CP	Curaçao	PS	t1										7096	8444	8553	9932	10008	13370	5427	10092	8708	88	3213	1703	6541	10060	9594	12380	13324	18312	18437	19621	22180	20660	6	5.1%	72%
SKJ	ATE	CP	Curaçao	PS	t2										ab	ab	ab	a	ab	ab	ab	ab	ab	b	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc		6		
SKJ	ATE	CP	EU.España	BB	t1		3438	5838	4645	5907	7195	3217	5270	5760	5044	7075	8593	5607	3780	3156	3836	7174	7207	10119	7633	6378	8345	8647	8405	11674	19445	10185	9951	7269	10994	10560	7	4.8%	77%
SKJ	ATE	CP	EU.España	BB	t2		abc	abc	abc	ac	ac	ac	ac	ac	ac	abc	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	abc	abc		7		
SKJ	ATE	CP	EU.Portugal	BB	t1		14232	7715	3954	7987	7412	5598	7510	4986	8276	4395	4519	1800	1285	2135	2940	4276	8459	4687	11001	8604	5734	904	12859	4078	2758	4039	1703	1296	695	1752	8	3.4%	80%
SKJ	ATE	CP	EU.Portugal	BB	t2		ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab		8		
SKJ	ATE	CP	Cape Verde	PS	t1										8	18	21	1		300	366	54	1040	7498	4862	5434	4872	5387	5823	8277	5680	16135	16307	17292	9425	5895	9	2.5%	83%
SKJ	ATE	CP	Cape Verde	PS	t2							a			a	a	a	a		a	a	a	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab		9		
SKJ	ATE	NCO	Mixed flags (EU tropical)	PS	t1		1279	1341	1192	5176	2959	3858	3568	4543	1316	2345	1508	1119	2194	218	65	1547	2953	1708	1478	3003	2998	2624	3427	2372					10960	12785	11196	10	1.9%	85%
SKJ	ATE	NCO	Mixed flags (EU tropical)	PS	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	-1	-1	-1	-1	-1	-1	-1	b	b	b	b	b	b	b	b	-1	-1	-1	10		
SKJ	ATE	CP	Guatemala	PS	t1																	2120	4808	6649	5028	5612	6481	4095	3087	2880	3732	4979	5904	7078	7386	9800	11	1.7%	86%
SKJ	ATE	CP	Guatemala	PS	t2																	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc		11		
SKJ	ATE	CP	Belize	PS	t1												720		229	278								1488	3109	7797	15733	6854	11080	12599	7730	9958	12	1.7%	88%
SKJ	ATE	CP	Belize	PS	t2												a		ab	ab		b						abc	ab	ab	ab	ab	ab	ab	ab	abc	12		
SKJ	ATE	CP	Maroc	PS	t1		1616	1222	6831	1745	598	3637	3596	6740	2728	5468	4116	4033	3072	1568	1148	3289	3476	3660	536	131	108	654	892	1061	1076	1121	583	92	20	150	13	1.4%	90%
SKJ	ATE	CP	Maroc	PS	t2		b	b	b	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	13		
SKJ	ATE	CP	EU.France	BB	t1		2520	3802	3352	1147	1507	2153	2546	2697	1698	3701	4179	2343	1497	2550	2305	1878	1752	2240	1610	795	778	1186	904	932	1382	682	750	939	1270	1275	14	1.2%	91%
SKJ	ATE	CP	EU.France	BB	t2		ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc		14		
SKJ	ATE	CP	Senegal	BB	t1		280	374	103	343		42	59	18	163	455	1679	1479	1506	1271	1060	733	1385	4874	3534	2278	3661	4513	2411	4765	4276	4014	3252	1895	2495	2740	15	1.2%	92%
SKJ	ATE	CP	Senegal	BB	t2		ab	ab	ab	a		a	a	a	ac	a	a	ab	a	ab	ab	ab	ab	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac		15		
SKJ	ATE	CP	Vanuatu	PS	t1					5281	5468	10808	10896	8477	5992	1233		1192																				16	1.1%	93%
SKJ	ATE	CP	Vanuatu	PS	t2			b		a	a	a	a	a	a	a		a																				16		
SKJ	ATE	CP	Guinée Rep.	PS	t1									975	6432	2408								387			330	118	359	2114	3252	10321	9033	7629				17	0.9%	94%
SKJ	ATE	CP	Guinée Rep.	PS	t2									a	a	a								-1			-1	-1	-1	-1	a	ac	ac	ac				17		
SKJ	ATE	CP	Senegal	PS	t1		1463	253									284	152																	2705	14092	21852	18	0.9%	95%
SKJ	ATE	CP	Senegal	PS	t2		ab	ab	a								-1	-1																	abc	abc	ac	18		
SKJ	ATE	CP	El Salvador	PS	t1																														6970	16949	14577	19	0.8%	96%
SKJ	ATE	CP	El Salvador	PS	t2																														abc	abc	abc	19		
SKJ	ATE	CP	Côte d'Ivoire	GN	t1														1173	259	292	143	559	1259	1565	1817	2328	2840	2840	3883	4926	5188	311	254	373	1533	20	0.7%	96%
SKJ	ATE	CP	Côte d'Ivoire	GN	t2														-1	-1	-1	-1	-1	-1	-1	a	-1	-1	-1	a	a	a	ab	a	a	ab	20		
SKJ	ATE	CP	St. Vincent and Grenadines	PS	t1					1460	4397	5731	2184	1847	1451	955	994	1102	587	1072																			21	0.5%	97%
SKJ	ATE	CP	St. Vincent and Grenadines	PS	t2					ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab																			21		

Table 11. SKJ-W stock

Species	Stock	Status	FlagName	GearGrp	DSet	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Rank	%	%cum
				T1 Total		23736	26382	26110	33404	30155	33221	29949	21860	27562	31712	29087	27356	29193	31451	21600	24749	27461	28517	26453	25443	22022	25774	25866	32390	32848	34872	27089	20695	21900	23327			
SKJ	ATW	CP	Brazil	BB	t1	17227	20550	20026	20424	18273	17557	20372	16530	22517	25573	23567	22948	24691	24038	18185	20416	23036	25269	23012	22750	20547	22329	22627	29322	30569	32127	24787	17499	16418	14577	1	80.0%	80%
SKJ	ATW	CP	Brazil	BB	t2	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	a	a	-1	a	a	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a	a	a	ab	1		
SKJ	ATW	CP	Venezuela	PS	t1	2310	2430	3014	6186	6893	10049	5692	2059	3348	3604	3607	2696	2590	5189	2000	2296	2769	848	1806	806	688	1808	1931	1308	1573	908	1081	1974	1912	2150	2	10.4%	90%
SKJ	ATW	CP	Venezuela	PS	t2	ab	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	2		
SKJ	ATW	NCO	Cuba	BB	t1	1631	1449	1443	1596	1638	1017	1268	886	1000	1000	651	651	651			624	545	514	536												3	2.1%	92%
SKJ	ATW	NCO	Cuba	BB	t2	b	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		b	-1	-1	-1	-1												3		
SKJ	ATW	CP	Venezuela	BB	t1	2199	1293	777	1952	941	1123	1005	328	224	224	506	282	299	1104	552	950	501	245	201	115	69	441	177	146	124	60	27	39	393	70	4	2.0%	94%
SKJ	ATW	CP	Venezuela	BB	t2	ab	ab	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	4		
SKJ	ATW	CP	Brazil	HL	t1									0											5		4	4	159	244	222	369	465	1169	5293	5	1.0%	95%
SKJ	ATW	CP	Brazil	HL	t2									-1											-1		-1	a	-1	-1	-1	a	-1	-1	ab	5		
SKJ	ATW	CP	Brazil	PS	t1										743	219	240	473	108	116			1119	239	403	213	223		552	9						6	0.6%	96%
SKJ	ATW	CP	Brazil	PS	t2										-1	-1	a	-1	-1	-1			a	a	a	a	a	a	-1	-1						6		
SKJ	ATW	CP	EU.España	PS	t1				1592	1120	397																							641	223	7	0.5%	96%
SKJ	ATW	CP	EU.España	PS	t2				-1	ac	-1			ac	ac	a	ac		a	ac			ac			abc	abc	abc	abc	abc	ac	abc	ac	-1	ac	7		
SKJ	ATW	CP	Brazil	UN	t1	89	200	104	124	260	205	210			248	3								17	1033	85	748									8	0.4%	97%
SKJ	ATW	CP	Brazil	UN	t2	-1	-1	-1	-1	-1	-1	-1			-1	-1								b	-1	-1	-1								b	8		
SKJ	ATW	CP	Brazil	LL	t1				0	2	9	6	30	9						38		1		2			3	825	323	41	88	39	170	645	199	9	0.3%	97%
SKJ	ATW	CP	Brazil	LL	t2				-1	b	a	-1	-1	-1						-1	a	a		a			-1	a	b	a	-1	-1	-1	-1	a	9		
SKJ	ATW	NCO	Colombia	UN	t1							789	1583																							10	0.3%	97%
SKJ	ATW	NCO	Colombia	UN	t2							-1	-1																							10		
SKJ	ATW	NCO	Colombia	PS	t1						2074																									11	0.3%	98%
SKJ	ATW	NCO	Colombia	PS	t2						-1																									11		
SKJ	ATW	CP	U.S.A.	RR	t1	45	19	66	86	49	81	66	21	82	64	86	99	30	49	70	61	74	15	49	52	49	102	45	77	104	115	65	76	130	96	12	0.2%	98%
SKJ	ATW	CP	U.S.A.	RR	t2	a	a	ab	ab	ab	ab	ab	ab	b	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	ab	abc	ab	ab	ab	ab	ab	ab	ab	ab	12		

Table 12. SWO-N stock

Species	Stock	Status	FlagName	GearGrp	DSet	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Rank	%	%cum
				T1 Total		19513	17250	15672	14934	15394	16738	15501	16872	15222	13025	12223	11622	11453	10011	9654	11442	12068	12373	11470	12302	11050	12081	11553	12523	13868	12069	10678	10673	10376	10141			
SWO	ATN	CP	EU.España	LL	t1	9600	5696	5736	6506	6351	6392	6027	6948	5519	5133	4079	3993	4581	3967	3954	4585	5373	5511	5446	5564	4366	4949	4147	4885	5620	4082	3750	4013	3915	3586	1	39.6%	40%
SWO	ATN	CP	EU.España	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	ac	1		
SWO	ATN	CP	U.S.A.	LL	t1	6020	5855	4967	4399	4124	4044	3960	4452	4015	3399	3433	3364	3316	2498	2598	2757	2591	2273	1961	2474	2405	2691	2204	2572	3347	2812	1816	1593	1389	1276	2	24.3%	64%
SWO	ATN	CP	U.S.A.	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	2		
SWO	ATN	CP	Canada	LL	t1	874	1097	819	953	1487	2206	1654	1421	646	1005	927	1136	923	984	954	1216	1161	1470	1238	1142	1115	1061	1182	1351	1502	1290	1383	1489	1473	1034	3	9.3%	73%
SWO	ATN	CP	Canada	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	bc	abc	abc	abc	abc	bc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	3		
SWO	ATN	CP	EU.Portugal	LL	t1	612	292	463	757	497	1950	1579	1593	1702	902	772	776	731	731	765	1032	1319	900	949	778	747	898	1054	1202	882	1438	1241	1420	1171	1751	4	7.9%	81%
SWO	ATN	CP	EU.Portugal	LL	t2	ab	ab	ab	abc	ac	ab	ab	ab	ab	ab	ab	ab	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	4		
SWO	ATN	CP	Japan	LL	t1	621	1572	1051	992	1064	1126	933	1043	1494	1218	1391	1089	759	567	319	263	575	705	656	889	935	778	1062	523	639	300	545	430	379	455	5	6.3%	87%
SWO	ATN	CP	Japan	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	bc	bc	bc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab	5		
SWO	ATN	CP	Maroc	LL	t1	195	219	24	92	41	27	7	28	35	239		35	38	264	154	223	255	325	333	229	428	720	963	700	700	1000	1000	800	800	750	6	2.7%	90%
SWO	ATN	CP	Maroc	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1	bc	abc	abc	abc	abc	abc	bc	abc	a	a	abc	bc	abc	ab	abc	6		
SWO	ATN	NCC	Chinese Taipei	LL	t1	23	17	269	577	441	127	507	489	521	509	286	285	347	299	310	257	30	140	172	103	82	89	88	192	193	115	85	133	152	96	7	1.8%	92%
SWO	ATN	NCC	Chinese Taipei	LL	t2	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	7		
SWO	ATN	CP	Canada	HP	t1	24	150	92	73	60	28	22	189	93	89	240	18	95	121	38	147	87	193	203	267	258	248	176	208	97	275	233	98	85	175	8	1.0%	93%
SWO	ATN	CP	Canada	HP	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	8		
SWO	ATN	CP	China PR	LL	t1						73	86	104	132	40	337	304	22	102	90	316	56	108	72	85	92	92	73	75	59	96	60	141	135	81	9	0.7%	94%
SWO	ATN	CP	China PR	LL	t2						-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	ab	a	ab	ab	ab	ab	ab	ab	a	ab	abc	abc	9		
SWO	ATN	CP	EU.España	GN	t1	194	949	646	124	316	202	150		20																						10	0.7%	94%
SWO	ATN	CP	EU.España	GN	t2	ac	ac	ac	ab	-1	-1	-1		-1																						10		
SWO	ATN	CP	Trinidad and Tobago	LL	t1	42	79	66	71	562	11	180	150	158	110	130	138	41	75	92	78	83	91	19	29	48	30	21	16	14	16	26	17	13	36	11	0.6%	95%
SWO	ATN	CP	Trinidad and Tobago	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	ab	ab	ab	11		
SWO	ATN	CP	U.S.A.	GN	t1	120	524	535	82	86	92	88	74	78	0	36		0		0		0			0		0			0				0		12	0.4%	95%
SWO	ATN	CP	U.S.A.	GN	t2	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab		-1		-1		-1			-1		bc			c				c		12		
SWO	ATN	CP	U.S.A.	HL	t1						38			0	1		5	9	9	12	21	23	35	33	125	94	125	129	121	155	105	88	77	76	61	13	0.3%	96%
SWO	ATN	CP	U.S.A.	HL	t2						-1			-1	b	b	c	bc	bc	c	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	13		
SWO	ATN	CP	Korea Rep.	LL	t1	30	320	51	3	3	19	16	16	19	15								51	65	175	157	3		170	46	83	35	2	9	19	14	0.3%	96%
SWO	ATN	CP	Korea Rep.	LL	t2	ab	ab	ab	a	ab	a	a	a	a	a				a				a	a	a	a	a		a	-1	abc	abc	b	abc	abc	14		
SWO	ATN	CP	Maroc	GN	t1			19	9	4	2	13	32	322	13	179	60	51	243	64	98	76	9						80							15	0.3%	96%
SWO	ATN	CP	Maroc	GN	t2			-1	-1	-1	-1	-1	-1	-1	-1	c	ac	ac	ac	-1	b	b	b						-1							15		
SWO	ATN	NCO	Cuba	LL	t1	832	87	47	23	27	16	50	86	7	7	7	7			10	3	3	2	2												16	0.3%	97%
SWO	ATN	NCO	Cuba	LL	t2	a	a	a	-1	-1	-1	-1	-1	-1	-1	-1	-1			ab	-1	-1	-1	-1												16		
SWO	ATN	CP	EU.France	UN	t1			75	75	75	95		38	97	164						32	102	178	0	46	14	3	1	0	1				0	0	17	0.3%	97%
SWO	ATN	CP	EU.France	UN	t2			-1	-1	c	c		-1	-1	-1						-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		a		-1	a	17		
SWO	ATN	CP	Venezuela	LL	t1	2	2	4	73	101	68	60	45	74	11	7	9	30	12	25	29	46	48	15	19	5	8	16	13	18	20	18	29	53	52	18	0.2%	97%
SWO	ATN	CP	Venezuela	LL	t2	b	b	b	b	b	b	b	b	b	b	b	ab	ab	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	18		

Table 13. SWO-S stock

			T1 Total	13172	17055	17304	13893	13813	16130	18958	21930	18289	18542	14027	15502	15728	15128	14104	12633	13079	13163	14245	15630	12546	12848	12698	11455	10686	9169	9956	10337	10735	10512								
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**	**1988**	**1989**	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	Rank	%	%cum					
SWO	ATS	CP	EU.España	LL	t1	4393	7725	6166	5760	5651	6974	7937	11290	9622	8461	5832	5758	6388	5789	5741	4527	5483	5402	5300	5283	4073	5183	5801	4700	4852	4184	4113	5059	4992	4654	1	41.8%	42%					
SWO	ATS	CP	EU.España	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	ac		1						
SWO	ATS	CP	Brazil	LL	t1	1162	1168	1696	1312	2609	2013	1571	1970	1892	4100	3844	4721	4579	4075	2903	2917	2914	3780	4120	3892	3152	3132	2657	2800	2831	2381	2892	2594	2935	2406	2	20.1%	62%					
SWO	ATS	CP	Brazil	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a		2						
SWO	ATS	CP	Japan	LL	t1	4453	4019	6708	4459	2870	5256	4699	3619	2197	1494	1186	775	790	685	833	924	686	480	1090	2155	1600	1340	1314	1233	1162	684	976	657	637	902	3	14.1%	76%					
SWO	ATS	CP	Japan	LL	t2	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab		3						
SWO	ATS	NCC	Chinese Taipei	LL	t1	798	610	896	1453	1686	846	2829	2876	2873	2562	1147	1168	1303	1149	1164	1254	745	744	377	671	727	612	410	428	496	582	451	554	480	527	4	7.7%	84%					
SWO	ATS	NCC	Chinese Taipei	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc		4						
SWO	ATS	CP	Uruguay	LL	t1	427	414	302	156	210	260	165	499	644	760	889	650	713	789	768	850	1105	843	620	464	370	501	222	179	40	103					5	3.1%	87%					
SWO	ATS	CP	Uruguay	LL	t2	a	a	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab						5						
SWO	ATS	CP	Namibia	LL	t1							22					374	452	607	504	187	549	832	1118	1038	518	25	408	366	22	129	395	225	466	600	6	2.1%	89%					
SWO	ATS	CP	Namibia	LL	t2							a					a	-1	ab	a	-1	a	ab	ab	ab	ab	ab	ab	a	ab	a	a	a	abc	6							
SWO	ATS	CP	EU.Portugal	LL	t1								380	389	441	384	381	392	393	380	354	345	493	440	428	271	367	232	263	184	125	252	236	250	466	7	1.9%	91%					
SWO	ATS	CP	EU.Portugal	LL	t2								a	a	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	7						
SWO	ATS	CP	China PR	LL	t1											29	534	344	200	423	353	278	91	300	473	470	291	296	248	316	196	206	328	222	302	8	1.4%	92%					
SWO	ATS	CP	China PR	LL	t2											a	a	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	abc	ab	abc	abc	8						
SWO	ATS	CP	South Africa	LL	t1								1			240	143	327	547	649	293	295	199	186	207	142	170	145	97	50	171	152	218	164	159	9	1.1%	93%					
SWO	ATS	CP	South Africa	LL	t2								-1			ab	ab	ab	ac	abc	ab	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	ab	9						
SWO	ATS	CP	Ghana	GN	t1	235	156	146	73	69	121	51	103	140	44	106	121	117	531	372	734	343	55	32	65	177	132	116	60	54	37	26	56	36	55	10	1.0%	94%					
SWO	ATS	CP	Ghana	GN	t2	-1	-1	-1	-1	-1	-1	-1	-1	ab	b	ab	b	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	a	a	a	a	a	a	a	a	10						
SWO	ATS	CP	S. Tomé e Príncipe	TR	t1	216	207	181	179	177	202	190	178	166	148	135	129	120	120	120	120	126	147	138	138	172	188	193	60	84	60	94	145	154	65	11	1.0%	95%					
SWO	ATS	CP	S. Tomé e Príncipe	TR	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	11						
SWO	ATS	CP	Korea Rep.	LL	t1	1012	776	50	147	147	198	164	164	7	18	7	5	10	0	2	24	70	36	94	176	223	10	147	70	65	47	53	5	19	11	12	0.9%	96%					
SWO	ATS	CP	Korea Rep.	LL	t2	ab	ab	ab	ab	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	-1	a	-1	abc	abc	a	abc	ab	12						
SWO	ATS	NCO	Cuba	LL	t1	159	830	448	209	246	192	452	778	60	60																					13	0.8%	97%					
SWO	ATS	NCO	Cuba	LL	t2	a	a	a	-1	-1	-1	-1	-1	-1	-1																					13						
SWO	ATS	CP	Senegal	LL	t1																				77	138	195	180	264	162	178	143	97	173	160	14	0.4%	97%					
SWO	ATS	CP	Senegal	LL	t2																				-1	a	-1	a	a	a	a	a	a	a	-1	14							

Table 14. SWO-M stock

Species	Stock	Status	FlagName	GearGrp	DSet	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
				T1 Total		20365	17762	16018	15746	14709	13265	16082	13015	12053	14693	14369	13699	15569	15006	12814
SWO	MED	CP	EU.Italy	LL	t1	2989	2989	2454	2470	3518	3260	3844	3035	2617	2458	2458	2680	2639	2236	1841
SWO	MED	CP	EU.Italy	LL	t2	-1	-1	b	ab	ab	b	ab	b	b	b	ab	b	ab	b	b
SWO	MED	CP	EU.Italy	GN	t1	1846	2542	4353	3142	4077	3070	3921	4264	2657	3632	3632	3632	4863		
SWO	MED	CP	EU.Italy	GN	t2	-1	-1	ab	ab	ab	ab	ab	b	b	b	b	b	ab	b	
SWO	MED	CP	EU.España	LL	t1	1760	1250	1438	1132	790	1293	1402	1351	1040	1184	1409	867	1396	1402	1421
SWO	MED	CP	EU.España	LL	t2	ac	ac	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc
SWO	MED	CP	EU.Greece	LL	t1	1008	1120	1344	1904	1456	1568	2520	974	1237	750	1650	1520	1960	1730	1680
SWO	MED	CP	EU.Greece	LL	t2	ab	-1	ab	ab	ab	ab	ab	ab	-1	-1	ab	ab	ab	ab	b
SWO	MED	CP	Maroc	GN	t1			866	1186	1883	2068	2109	1518	2461	4653	2905	2979	2503	2266	2230
SWO	MED	CP	Maroc	GN	t2			-1	-1	-1	-1	b	-1	-1	-1	c	bc	abc	abc	b
SWO	MED	CP	EU.Italy	UN	t1	8175	7478	2294	2926				11					3	4152	1698
SWO	MED	CP	EU.Italy	UN	t2	-1	-1	-1	-1				-1					-1	-1	-1
SWO	MED	CP	Maroc	LL	t1	62	97	371	508	807	517	527	169	273	245	323	259	205	754	1149
SWO	MED	CP	Maroc	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SWO	MED	CP	Tunisie	LL	t1	80	159	176	181	178	354	298	378	352	346	414	468	483	567	1138
SWO	MED	CP	Tunisie	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	-1
SWO	MED	CP	Algerie	LL	t1	2621	590	173	173	6	173	185	247	247	247				133	99
SWO	MED	CP	Algerie	LL	t2	-1	-1	b	-1	-1	-1	-1	-1	-1	-1				-1	-1
SWO	MED	CP	EU.Malta	LL	t1	233	122	135	129	85	91	47	72	72	100	153	187	175	102	257
SWO	MED	CP	EU.Malta	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ac	ac	ac	-1
SWO	MED	CP	Turkey	GN	t1	589	209	243	100	136	292	533	306	320	350	450	230	370	360	300
SWO	MED	CP	Turkey	GN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SWO	MED	CP	Algerie	UN	t1			539	389	389	389	415	560	560	560	178	126	166	306	248
SWO	MED	CP	Algerie	UN	t2			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SWO	MED	NCO	NEI (MED)	LL	t1	598	598	918	733	733										
SWO	MED	NCO	NEI (MED)	LL	t2	-1	-1	-1	-1	-1										
SWO	MED	CP	Algerie	GN	t1											590	531	599	642	467
SWO	MED	CP	Algerie	GN	t2											-1	-1	-1	-1	-1
SWO	MED	CP	EU.Cyprus	LL	t1	121	139	173	162	56	116	159	89	40	51	61	92	82	135	104
SWO	MED	CP	EU.Cyprus	LL	t2	-1	ab	a	a	-1	a	a	a	a	a	a	-1	a	-1	a

FlagName	GearGrp	DSet	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Rank	%	%cum
	T1 Total		15674	14405	14600	14895	14227	12164	11840	13265	11450	9913	9096	9801	10751	10921	8402			
EU.Italy	LL	t1	5844	5452	5560	5253	4564	4521	4687	5101	4579	3856	2848	3384	4213	3917	2974	1	26.6%	27%
EU.Italy	LL	t2	b	b	b	b	b	bc	abc	abc	abc	abc	abc	abc	abc	abc	abc	1		
EU.Italy	GN	t1				2373	1948								0			2	12.3%	39%
EU.Italy	GN	t2	b	b	b	b	-1								-1			2		
EU.España	LL	t1	1165	930	860	1405	1648	2063	1994	1785	1730	1580	1605	2019	2289	1732	1487	3	10.7%	50%
EU.España	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	3		
EU.Greece	LL	t1	1230	1129	1424	1374	1907	989	1132	1494	1306	877	1731	1344	761	761	392	4	9.9%	59%
EU.Greece	LL	t2	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	-1	ab	4		
Maroc	GN	t1	1629	1299	722	603	615	587	477	410	387							5	8.9%	68%
Maroc	GN	t2	b	b	b	b	b	abc	-1	abc	abc							5		
EU.Italy	UN	t1	2540	1483	1891			5	329		694	718		3	32			6	8.5%	77%
EU.Italy	UN	t2	b	-1	b	b		-1	-1		-1	-1		bc	-1			6		
Maroc	LL	t1	1670	1954	1801	1455	1107	1370	1110	1200	640	802	770	770	480	900	1000	7	5.7%	83%
Maroc	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	bc	abc	abc	abc	abc	abc	7		
Tunisie	LL	t1	285	791	791	949	1024	1011	1012	1016	1040	1038	1036	1030	1034	1007	1003	8	4.8%	87%
Tunisie	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	8		
Algerie	LL	t1		52	93	496	492	802	468	459	192	356	384	549	558	666	550	9	2.7%	90%
Algerie	LL	t2		-1	-1	-1	a	a	-1	-1	ab	ab	ab	ac	ab	-1	-1	9		
EU.Malta	LL	t1	163	195	362	239	213	260	266	423	532	503	460	376	489	410	330	10	1.8%	92%
EU.Malta	LL	t2	-1	-1	abc	bc	ab	abc	ab	ab	ab	abc	ab	abc	abc	abc	abc	10		
Turkey	GN	t1	350	386	425	410	423											11	1.7%	94%
Turkey	GN	t2	-1	-1	-1	-1	-1	ac	ac	ac	ac	c						11		
Algerie	UN	t1	665	122														12	1.4%	95%
Algerie	UN	t2	-1	-1														12		
NEI (MED)	LL	t1																13	0.9%	96%
NEI (MED)	LL	t2																13		
Algerie	GN	t1		233	311	87	108											14	0.9%	97%
Algerie	GN	t2		-1	-1	-1	-1											14		
EU.Cyprus	LL	t1	47	49	53	43	67	67	38	31	35	35	51	59	45	43	50	15	0.6%	97%
EU.Cyprus	LL	t2	a	a	a	ab	abc	abc	abc	abc	abc	ab	abc	abc	abc	abc	-1	15		

Table 15. BUM-A stock (AT + MD)

Species	Stock	Status	FlagName	GearGrp	DSet	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Rank	%	%cum
				T1 Total		2881	4339	4612	4220	3099	3175	4258	4228	5418	5735	5696	5390	5481	4471	3906	4418	3208	3577	3174	4296	3776	3345	3052	2901	2855	2161	2689	1925	2019	1998			
BUM	A+M	CP	Japan	LL	t1	823	1555	1217	900	1017	926	1523	1409	1679	1349	1185	790	883	335	267	442	540	442	490	920	1028	822	731	402	430	189	280	288	296	428	1	21.0%	21%
BUM	A+M	CP	Japan	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	1		
BUM	A+M	NCC	Chinese Taipei	LL	t1	292	473	1704	1672	824	685	663	467	660	1478	578	486	485	240	294	319	315	151	99	233	148	195	153	199	165	78	62	85	102	99	2	11.9%	33%
BUM	A+M	NCC	Chinese Taipei	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	2		
BUM	A+M	CP	Ghana	GN	t1	7	430	324	126	123	236	441	471	422	491	447	624	639	795	999	415	470	759	405	683	191	140	116	332	234	163	236	88	44	162	3	9.8%	43%
BUM	A+M	CP	Ghana	GN	t2	-1	a	a	a	a	a	a	a	-1	b	ab	b	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	a	a	a	a	a	a	a	a	3		
BUM	A+M	CP	EU.France	HL	t1	50	62	85	98	115	179	191	197	252	299	333	370	397	428	443	443	450	470	470	461	584	498	344	461	395	212					4	7.4%	50%
BUM	A+M	CP	EU.France	HL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					4		
BUM	A+M	CP	Brazil	LL	t1	63	59	50	60	125	146	79	169	308	165	340	509	467	780	387	577	194	610	241	149	120	75	47	62	47	112	105	89	79	64	5	5.6%	56%
BUM	A+M	CP	Brazil	LL	t2	ab	ab	a	a	a	a	a	a	a	a	a	ab	ab	ab	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a	5		
BUM	A+M	CP	Liberia	LL	t1								87	148	148	701	420	712	235	158	115	188	304	162	274	76	56	46	133	94	178	293	35	127		6	4.2%	60%
BUM	A+M	CP	Liberia	LL	t2								-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		6		
BUM	A+M	NCO	NEI (ETRO)	LL	t1						174	326	362	435	548	803	761	492	274	17	14															7	3.7%	64%
BUM	A+M	NCO	NEI (ETRO)	LL	t2						-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1															7		
BUM	A+M	NCO	Mixed flags (FR+ES)	PS	t1	137	144	199	137	116	146	133	126	96	82	80	83	147	151	131	148	171	150	136	135	139	164	178	186	181	191	173	176			8	3.6%	67%
BUM	A+M	NCO	Mixed flags (FR+ES)	PS	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			8		
BUM	A+M	CP	Korea Rep.	LL	t1	375	689	324	537	24	13	56	56	144	56	2	3	1	1		0	1	6	33	64	91	36	85	62	34	24	11	5	26	25	9	2.5%	70%
BUM	A+M	CP	Korea Rep.	LL	t2	a	a	a	a	a	a	-1	a	a	a	a	a	-1	a		a	a	a	a	a	a	a	a	a	a	abc	ab	ab	a	ab	9		
BUM	A+M	CP	Côte d'Ivoire	GN	t1	87	45	67	76	56	104	151	134	113	157	66	189	288	208	111	171	115	21	8	132	66	49	44	15	45	42	87	15	48	25	10	2.4%	72%
BUM	A+M	CP	Côte d'Ivoire	GN	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	-1	-1	a	-1	-1	-1	a	a	a	ab	a	a	ab	10		
BUM	A+M	CP	EU.España	LL	t1	6	23	6	14	43	44	55	40	158	122	195	125	140	94	28	12	51	24	91	38	55	60	165	16	34	44	137	212	140	233	11	2.1%	74%
BUM	A+M	CP	EU.España	LL	t2	-1	-1	-1	-1	-1	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	-1	-1	b	b	b	b	-1	11		
BUM	A+M	CP	U.S.A.	LL	t1	140	191	160	142	146	127	111	153	197	139	51	83	60	22	37	19	34	24	36	42	37	40	19	50	38	55	53	81	25	46	12	2.1%	76%
BUM	A+M	CP	U.S.A.	LL	t2	ab	a	a	a	a	a	a	a	a	a	a	ab	a	a	ac	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	12		
BUM	A+M	CP	Venezuela	GN	t1	20	99	13	13	21	24	58	48	71	86	175	190	80	57	50	55	57	110	118	184	105	69	94	63	88	60	98	89	102		13	2.0%	78%
BUM	A+M	CP	Venezuela	GN	t2	-1	-1	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a	-1	-1		13		
BUM	A+M	CP	China PR	LL	t1							62	73	62	78	120	201	23	92	88	89	58	96	99	65	13	77	100	99	61	45	40	44	50	40	14	1.6%	80%
BUM	A+M	CP	China PR	LL	t2							-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	14		
BUM	A+M	NCO	Dominican Republic	HL	t1										41	71	29	23	23	115	207	142	30	38	47	67	60	65	100	98	99	96	73	170		15	1.4%	81%
BUM	A+M	NCO	Dominican Republic	HL	t2										-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		15		
BUM	A+M	CP	Venezuela	LL	t1	58	51	57	38	34	52	59	64	72	56	51	50	45	27	38	65	44	51	53	37	25	51	57	53	56	52	41	60	83	97	16	1.4%	83%
BUM	A+M	CP	Venezuela	LL	t2	-1	-1	-1	-1	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a	16		
BUM	A+M	NCO	Cuba	LL	t1	285	151	202	189	204	69	39	85	43	53	12	38	55	56	34	3	4	7	7												17	1.4%	84%
BUM	A+M	NCO	Cuba	LL	t2	-1	-1	a	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	-1	-1	-1	-1												17		
BUM	A+M	CP	Mexico	LL	t1						3	13	13	13	13	27	35	68	37	50	70	90	86	65	91	82	93	89	68	106	86	67	72	66	60	18	1.3%	86%
BUM	A+M	CP	Mexico	LL	t2						a	a	-1	a	a	a	a	a	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	ab	ab	ab	18		
BUM	A+M	NCO	NEI (BIL)	LL	t1													53	183	258	167	89	7	98	209	143	177		34							19	1.3%	87%
BUM	A+M	NCO	NEI (BIL)	LL	t2													-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1							19		
BUM	A+M	CP	Grenada	LL	t1	21	23	30	36	30	33	52	50	26	47	60	100	87	104	69	72	45	42	33	49	54	32	69	53	32	63	63				20	1.2%	88%
BUM	A+M	CP	Grenada	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	-1	-1	-1	-1	-1	-1				20		
BUM	A+M	NCO	Togo	GN	t1										23		73	53	141	103	775															21	1.0%	89%
BUM	A+M	NCO	Togo	GN	t2										-1		-1	-1	-1	-1	-1															21		
BUM	A+M	CP	EU.Portugal	LL	t1											6	5	4	8	6	31	27	48	105	135	157	106	139	54	53	25	22	45	50	57	22	1.0%	90%
BUM	A+M	CP	EU.Portugal	LL	t2							b				a	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	22		
BUM	A+M	CP	S. Tomé e Príncipe	TR	t1	28	19	17	18	21	25	28	33	36	35	33	30	32	32	32	32	9	21	26		65	70	72	74	76	78	81	11	10	13	23	0.9%	91%
BUM	A+M	CP	S. Tomé e Príncipe	TR	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	23		
BUM	A+M	CP	U.S.A.	RR	t1	173	121	25	30	49	77	87	43	35	46	50	37	24	16	17	19	26	16	17	9	13	6	4	6	14	9	1	9	19	13	24	0.9%	92%
BUM	A+M	CP	U.S.A.	RR	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	ab	a	b	-1	ab	ab	ab	ab	ab	ab	ab	ab	ab	24		
BUM	A+M	CP	EU.España	PS	t1																						118	93	116	157	107	75	80	92	95	25	0.8%	93%
BUM	A+M	CP	EU.España	PS	t2																						-1	-1	-1	-1	-1	-1	-1	-1	-1	25		
BUM	A+M	NCO	Sta. Lucia	TR	t1															9	18	17	21	53	46	70	72	58	64	119	99	111	53	88		26	0.8%	93%
BUM	A+M	NCO	Sta. Lucia	TR	t2															-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		26		
BUM	A+M	CP	Trinidad and Tobago	LL	t1	45	12	9	4		2	16	28	12	49	15	20	46	14	9	9	10	7	12	14	34	19	22	25	45	48	48	35	19		27	0.6%	94%
BUM	A+M	CP	Trinidad and Tobago	LL	t2	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a		27		
BUM	A+M	NCO	Dominica	HL	t1														64	69	75			41	23	85	46	76	57			34	25	18		28	0.5%	95%
BUM	A+M	NCO	Dominica	HL	t2														-1	-1	-1			a	a	a	a	-1	a			-1	-1	-1		28		

Table 16. WHM-A stock (AT + MD)

Species	Stock	Status	FlagName	GearGrp	DSet	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Rank	%	%cum
				T1 Total		1472	1923	1739	1743	1552	1679	2202	1876	1679	1517	1912	1736	1521	1088	1010	844	823	751	610	680	670	714	493	563	460	637	433	464	521	447			
WHM	A+M	NCC	Chinese Taipei	LL	t1	565	983	895	803	598	616	1350	907	566	441	506	465	437	152	178	104	172	56	44	54	38	28	20	28	17	7	7	12	12	7	1	29.8%	30%
WHM	A+M	NCC	Chinese Taipei	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	1		
WHM	A+M	CP	Venezuela	LL	t1	116	136	154	154	265	348	206	271	258	168	297	210	166	176	198	158	116	143	169	103	47	109	108	154	106	63	74	104	158	150	2	14.5%	44%
WHM	A+M	CP	Venezuela	LL	t2	-1	-1	-1	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a	2		
WHM	A+M	CP	Brazil	LL	t1	148	204	201	377	211	301	91	101	70	105	102	158	106	172	342	266	80	243	87	63	41	32	29	74	67	241	98	121	67	47	3	12.6%	57%
WHM	A+M	CP	Brazil	LL	t2	ab	ab	a	a	a	a	a	a	a	a	a	ab	ab	ab	ab	a	a	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a	3		
WHM	A+M	NCO	NEI (ETRO)	LL	t1						114	214	237	285	359	526	498	322	180	11	9															4	8.2%	65%
WHM	A+M	NCO	NEI (ETRO)	LL	t2						-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1															4		
WHM	A+M	CP	Japan	LL	t1	144	146	126	122	248	82	92	57	112	58	56	40	83	56	16	33	36	34	39	21	34	43	41	31	42	24	6	8	9	10	5	5.5%	70%
WHM	A+M	CP	Japan	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	a	a	5		
WHM	A+M	CP	EU.España	LL	t1	38	13	12	26	15	26	7	36	141	93	101	119	186	61	6	22	64	58	51	46	32	16	111	5	34	37	93	113	89	108	6	5.2%	76%
WHM	A+M	CP	EU.España	LL	t2	-1	-1	-1	-1	a	b	ab	b	b	ab	b	b	b	b	b	b	b	b	b	b	b	b	b	-1	-1	b	b	b	-1	-1	6		
WHM	A+M	CP	U.S.A.	LL	t1	68	107	82	90	88	66	44	100	65	70	32	57	41	17	29	17	27	17	9	8	9	13	8	59	20	10	11	8	3	5	7	3.5%	79%
WHM	A+M	CP	U.S.A.	LL	t2	ab	a	a	a	a	a	a	a	a	a	a	ab	a	ab	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	7		
WHM	A+M	NCO	NEI (BIL)	LL	t1													34	77	4	30	134	42	31	170	189	199		11							8	2.7%	82%
WHM	A+M	NCO	NEI (BIL)	LL	t2													-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1							8		
WHM	A+M	CP	Korea Rep.	LL	t1	19	135	81	57	10	8	43	23	59	23			0			11	40	7		113	96	78	45	45			0			0	9	2.6%	85%
WHM	A+M	CP	Korea Rep.	LL	t2	a	a	a	a	a	a	a	a	a	a			-1			-1	a	a		-1	a	a	-1	-1			ab			ab	9		
WHM	A+M	CP	S. Tomé e Príncipe	TR	t1	14	16	19	26	24	17	21	21	30	45	40	36	37	37	37	37	21	33	29		36	37	38	39	40	41	42	17	15	13	10	2.5%	87%
WHM	A+M	CP	S. Tomé e Príncipe	TR	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	10		
WHM	A+M	CP	Mexico	LL	t1						2	8	8	3	5	6	11	18	44	15	15	28	25	16	14	14	19	20	28	36	30	20	26	20	12	11	1.3%	88%
WHM	A+M	CP	Mexico	LL	t2						a	a	-1	a	a	a	a	a	-1	-1	a	a	a	a	a	a	a	a	ab	a	a	a	ab	ab	ab	11		
WHM	A+M	CP	Trinidad and Tobago	LL	t1	29	7	6	3		1	11	18	8	32	10	13	4	2	5	12	6	6	5	12	10	11	15	14	39	33	38	32	20		12	1.2%	90%
WHM	A+M	CP	Trinidad and Tobago	LL	t2	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a		12		
WHM	A+M	NCO	Mixed flags (FR+ES)	PS	t1	25	27	37	11	10	12	11	9	7	7	9	8	12	13	12	13	13	11	10	9	10	12	12	37							13	1.0%	91%
WHM	A+M	NCO	Mixed flags (FR+ES)	PS	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							13		
WHM	A+M	CP	Barbados	UN	t1	117	11	39	17	24	29	26	43	15																						14	1.0%	92%
WHM	A+M	CP	Barbados	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1																						14		
WHM	A+M	CP	Ghana	GN	t1	88	68	31	17	14	22	1	2	1	3	7	6	8	21	2	1	1	1	0		4	4		1	1	1				0	15	0.9%	92%
WHM	A+M	CP	Ghana	GN	t2	-1	a	a	a	a	a	a	a	-1	b	ab	-1	b	-1	-1	-1	b	b	-1		-1	-1		a	a	a				a	15		
WHM	A+M	CP	Venezuela	GN	t1				4	3	4	12	5	2	3	13	18	12	7	17	10	19	13	21	28	16	19	8	6	15	12	15				16	0.8%	93%
WHM	A+M	CP	Venezuela	GN	t2				ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a				16		
WHM	A+M	CP	Barbados	LL	t1										41	33	25	25	24	15	15			33				3	2	4	5	5	10	12	14	17	0.8%	94%
WHM	A+M	CP	Barbados	LL	t2										-1	-1	-1	-1	-1	-1	-1			-1				-1	a	a	a	a	ab	ab	ab	17		
WHM	A+M	CP	EU.Portugal	LL	t1																5	19	30	22	2	35	40	11	18	22	10	8	7	11	12	18	0.7%	95%
WHM	A+M	CP	EU.Portugal	LL	t2																a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	18		
WHM	A+M	CP	China PR	LL	t1							9	11	9	11	15	30	2	20	23	8	6	9	6	10	5	9	8	3	4	2		0	0	3	19	0.6%	95%
WHM	A+M	CP	China PR	LL	t2							-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a		a	a	a	19		
WHM	A+M	CP	U.S.A.	RR	t1	25	10	15	13	11	19	11	7	9	8	5	5	1	3	6	1	1	1	1	0	2	2	2	2	1	4	2	2	1	2	20	0.5%	96%
WHM	A+M	CP	U.S.A.	RR	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	20		

Table 17. SAI-E stock

						T1 Total	2109	1710	2315	1476	1780	1815	1172	1234	1881	1347	1362	1342	1980	2806	2351	2639	2612	2220	1916	2577	2229	2129	1853	1553	1591	1339	1163	1246	1422	1650			
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**	**1988**		**1989**		**1990**		**1991**		**1992**		**1993**		**1994**		**1995**		**1996**		**1997**		**1998**		**1999**		**2000**		**2001**		**2002**		**2003**		**2004**		**2005**		**2006**		**2007**		**2008**		**2009**		**2010**		**2011**		**2012**		**2013**		**2014**		**2015**		**2016**		**2017**		Rank	%	%cum
SAI	ATE	CP	Ghana	GN	t1	837		465		395		463		297		693		450		353		303		196		351		305		275		568		592		566		521		542		282		420		342		358		417		299		201		220		191		99		238		267		1	21.0%	21%
SAI	ATE	CP	Ghana	GN	t2	-1		-1		-1		-1		-1		-1	a			-1		-1	b		ab		b		ab		ab		ab		ab		ab		ab		ab		ab	a		ab		a		a		a		a		a		a		a		1		
SAI	ATE	CP	Senegal	HL	t1	537		445		957		429		692		448		67		135		182		488		228		186		551		767		98		282		219		143		46		189		108		575		439		136		58		117		9		53				94		2	15.8%	37%
SAI	ATE	CP	Senegal	HL	t2	-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1	ab		ab		ab		ab		ab	a		a		a		ab		ab		a		a		a				-1		2		
SAI	ATE	NCO	Mixed flags (FR+ES)	PS	t1	408		432		595		174		150		182		160		128		97		110		138		131		353		400		365		413		336		264		274		205		251		308		265		275		275		275		275		275						3	13.7%	51%
SAI	ATE	NCO	Mixed flags (FR+ES)	PS	t2	-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1						3		
SAI	ATE	CP	S. Tomé e Príncipe	TR	t1	78		86		97		84		78		81		88		92		96		139		141		141		136		136		136		136		515		346		292		384		8		119		121		124		127		131		134		312		212		219		4	8.7%	59%
SAI	ATE	CP	S. Tomé e Príncipe	TR	t2	-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		4		
SAI	ATE	CP	EU.España	LL	t1	28		14		0		13		3		42		8		13		42		48		15		20		8		195		245		197		169		202		214		227		239		318		206		197		257		229		302		333		225		233		5	7.7%	67%
SAI	ATE	CP	EU.España	LL	t2	-1		-1		-1		-1		-1	b		b		b		b		b		b		b		b		b		b		b		b		b		b		-1		-1	b		b		b		b		b		b		b		b						5		
SAI	ATE	CP	Senegal	TR	t1	45		99		53		27		141		11		90		29		52		59		24		44		213		155		123		337		343		296		177		512		158		18						104		25						213		120		6	6.3%	73%
SAI	ATE	CP	Senegal	TR	t2	-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1	ab			-1				b		b		a		b		b		b						6		
SAI	ATE	CP	Côte d'Ivoire	GN	t1	66		55		58		38		69		40		54		66		91		65		35		80		45		47		65		121		73		93		78		52		448		74		24		108		192		80		99		52		38		400		7	5.1%	78%
SAI	ATE	CP	Côte d'Ivoire	GN	t2	ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		-1		-1	a			-1		-1		-1	a		a		a		ab		a		a		ab		7		
SAI	ATE	CP	Japan	LL	t1	26		26		31		6		15		27		45		52		47		19		58		16		26		6		20		22		70		50		62		144		199		94		115		143		157		71		59		36		52		45		8	3.2%	82%
SAI	ATE	CP	Japan	LL	t2	b		ab		ab		ab		-1		-1	a			ab		a		a		ab		ab		ab		ab		ab		ab		ab		ab		ab	a			ab		ab		ab		ab		ab		ab		a		a		a		8		
SAI	ATE	CP	Liberia	GN	t1															33		85		43		136		122		154		56		133		127		106		122		118		115																		59		9	2.6%	84%
SAI	ATE	CP	Liberia	GN	t2															-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1																		-1		9		
SAI	ATE	NCC	Chinese Taipei	LL	t1	2		3		5		4		80		157		38		58		24		56		44		66		45		50		62		49		15		25		36		109		121		80		21		52		59		42		17		27		24		30		10	2.6%	87%
SAI	ATE	NCC	Chinese Taipei	LL	t2	-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1	a		a		a		a		a		a		-1		-1	a		ab		ab		ab		ab		ab		ab		ab		ab		ab		10		
SAI	ATE	NCO	Cuba	UN	t1							184		200		77		83		72		533																																													11	2.1%	89%
SAI	ATE	NCO	Cuba	UN	t2							-1		-1		-1		-1		-1		-1																																												11		
SAI	ATE	CP	Senegal	GN	t1	5		8		30		10		14		2		3		3		6		3		5		0		8		28		19		15		1		22		27		28		180		35		45		38		85		21		26		7		373		87		12	2.1%	91%
SAI	ATE	CP	Senegal	GN	t2	-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1	a			-1		-1	b		b		b		a		ab		b				-1		12		
SAI	ATE	CP	EU.Portugal	LL	t1																					27		42		9		1		5		10		6		11		137		43		49		112		142		96		70		108		33		41		30		27		13	1.8%	93%
SAI	ATE	CP	EU.Portugal	LL	t2																			-1	a		a		a		a		a		a		a		a		a		a		ab		a		a		ab		ab		ab		ab		a		ab		ab		13		
SAI	ATE	NCO	NEI (BIL)	UN	t1																									255		365		162		53																												14	1.5%	94%
SAI	ATE	NCO	NEI (BIL)	UN	t2																									-1		-1		-1		-1																												14		
SAI	ATE	NCO	NEI (ETRO)	LL	t1											27		51		57		69		86		127		120		77		43		3		2		16		7		8		10																						15	1.3%	96%
SAI	ATE	NCO	NEI (ETRO)	LL	t2											-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1																						15		

Table 18. SAI-W stock

							1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017			
				T1 Total			1143	1052	1235	1225	1459	1413	1120	1211	1142	1257	1613	1580	1996	1797	2060	1498	1727	1839	1939	1561	1733	1624	1229	1334	1267	985	856	898	1213	1076			
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**		**1988**	**1989**	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	Rank	%	%cum
SAI	ATW	CP	Venezuela	LL	t1		91	108	94	129	170	271	148	139	167	165	333	227	190	186	188	233	387	476	907	363	269	320	409	498	404	262	112	152	246	387	1	19.1%	19%
SAI	ATW	CP	Venezuela	LL	t2		b	b	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	1		
SAI	ATW	CP	Brazil	LL	t1		115	124	98	65	285	201	60	97	76	69	106	278	531	412	325	347	208	415	82	59	75	73	70	135	106	76	57	72	59	39	2	11.2%	30%
SAI	ATW	CP	Brazil	LL	t2		ab	ab	a	a	ab	a	a	a	a	a	a	ab	ab	ab	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a	2		
SAI	ATW	CP	Grenada	LL	t1				218	316	310	246	151	119	56	83	151	148	164	187	151	171	112	147	159	174	216	183	191	191	191	191	191	191			3	11.0%	41%
SAI	ATW	CP	Grenada	LL	t2				-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	-1	-1	-1	-1	-1	-1	-1			3		
SAI	ATW	CP	EU.España	LL	t1			0	0	8	13	13	19	36	5	20	42	7	14	309	414	183	160	89	134	214	361	412	275	190	184	203	244	311	207	454	4	10.7%	52%
SAI	ATW	CP	EU.España	LL	t2			-1	-1	-1	-1	b	b	-1	b	b	-1	b	b	b	b	b	-1	b	b	-1	b	b	b	-1	-1	-1	-1	b	b	b	4		
SAI	ATW	CP	U.S.A.	RR	t1		441	324	242	341	290	201	179	342	230	349	267	163	76	58	103		0	0	0	0	3	3	0	0	7	3	2	2	3	3	5	8.6%	61%
SAI	ATW	CP	U.S.A.	RR	t2		ab	ab	ab	ab	ab	ab	ab	b	ab	b	ab	b	b	-1	b	b	b	b	b	b	ab	b	b	b	b	b	b	b	b	5		
SAI	ATW	CP	Brazil	UN	t1		10		184		33	21	41	143	224	67	78	78	67		222	238	326	0	58	60	193	360	1	0	0						6	5.7%	66%
SAI	ATW	CP	Brazil	UN	t2		-1		-1		-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						6		
SAI	ATW	CP	Venezuela	GN	t1					41	25	60	65	41	88	114	182	140	71	64	88	93	122	131	135	186	113	96	89	92	139	79	98				7	5.6%	72%
SAI	ATW	CP	Venezuela	GN	t2					ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	b	b	b	b	b	b	b	ab	ab	ab	ab	a				7		
SAI	ATW	NCO	Dominican Republic	UN	t1		44	44	40	31	98	50	90	40	40	101	89	27	67	81	260	91	144	165	133	147											8	4.2%	76%
SAI	ATW	NCO	Dominican Republic	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1											8		
SAI	ATW	NCO	Cuba	UN	t1					83	70	42	46	37	37	40	28	196	208	68	32	18	50	72	47	56											9	2.7%	79%
SAI	ATW	NCO	Cuba	UN	t2					-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1											9		
SAI	ATW	CP	Mexico	LL	t1							2	19	19	10	9	65	40	118	36	34	45	51	55	42	47	45	48	34	32	51	63	42	35	47	51	10	2.5%	81%
SAI	ATW	CP	Mexico	LL	t2							a	a	-1	a	a	a	a	a	-1	-1	a	a	a	a	abc	a	a	a	a	a	a	a	ab	ab	ab	10		
SAI	ATW	CP	Barbados	LL	t1									74	25	71	58	44	44	42	26	27	26	42	58	42			16	29	25	35	37	53	45	34	11	2.0%	83%
SAI	ATW	CP	Barbados	LL	t2									-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			-1	a	a	a	a	a	a	a	a	11		
SAI	ATW	NCC	Chinese Taipei	LL	t1		92	86	42	37	17	112	117	19	19	2	65	17	11	33	31	13	8	21	5	14	10	11	6	8	27	6	3	6	5	5	12	2.0%	85%
SAI	ATW	NCC	Chinese Taipei	LL	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	-1	-1	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	12		
SAI	ATW	CP	U.S.A.	LL	t1		57	57	62	66	40	64	29	30	69	57	27	72	45	11	7	5	7	3	5	7	9	10	4	10	18	11	11	6	7	6	13	1.9%	87%
SAI	ATW	CP	U.S.A.	LL	t2		ab	a	a	a	a	a	a	a	a	a	a	ab	a	a	ac	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	13		
SAI	ATW	NCO	NEI (BIL)	LL	t1														297	267						81	59	17		21							14	1.8%	89%
SAI	ATW	NCO	NEI (BIL)	LL	t2														-1	-1						-1	-1	-1		-1							14		
SAI	ATW	CP	Trinidad and Tobago	LL	t1		24	9	4	1		1	2	1	4	10	25	37	3	7	6	7	10	9	17	13	32	16	16	32	60	28	23	51	48	58	15	1.3%	90%
SAI	ATW	CP	Trinidad and Tobago	LL	t2		-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	15		
SAI	ATW	CP	St. Vincent and Grenadines	LL	t1															2	164	3	86	73	59	18	13	8	7	4	4	3	4	1	85	8	16	1.3%	92%
SAI	ATW	CP	St. Vincent and Grenadines	LL	t2															-1	a	a	a	-1	a	a	a	a	a	a	a	a	a	a	a	a	16		
SAI	ATW	CP	Panama	LL	t1																														415		17	1.0%	93%
SAI	ATW	CP	Panama	LL	t2																														-1		17		
SAI	ATW	NCO	NEI (ETRO)	LL	t1							15	27	30	36	46	67	64	41	23	1	1	9	4	4	6											18	0.9%	94%
SAI	ATW	NCO	NEI (ETRO)	LL	t2							-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1											18		
SAI	ATW	CP	EU.Portugal	LL	t1														4			12	12	110	18	53	101	20	19	9	2						1	19	0.9%	94%
SAI	ATW	CP	EU.Portugal	LL	t2												a	a			a	a	a	a	a	ab	a	a	ab	ab	ab	ab			ab	ab	19		
SAI	ATW	CP	Japan	LL	t1		5	12	12	27	0	1	8	2	4	17	3	10	12	3	3	10	5	22	4	1	33	43	36	12	16	7	11	12	13	7	20	0.8%	95%
SAI	ATW	CP	Japan	LL	t2		-1	b	b		-1	b		-1	a	a	a	a	ab	ab	ab	a	ab	a	ab	a	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a	20		

Table 19. SPF-E stock

						1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Rank	%	%cum
			T1 Total			295	310	417	131	255	419	198	207	128	194	192	257	181	81	84	54	51	68	84	66	60	78	128	73	170	95	16	18	15	29			
SPF	ATE	NCO	Mixed flags (FR+ES)	PS	t1	256	270	373	107	92	112	98	78	59	68	86	81	60																		1	40.0%	40%
SPF	ATE	NCO	Mixed flags (FR+ES)	PS	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																			1		
SPF	ATE	NCC	Chinese Taipei	LL	t1	4	4	8	6	135	263	63	97	41	94	73	112	75	52	62	25	15	25	37	22	2	6	16	9	6	0	0	1	1	1	2	28.9%	69%
SPF	ATE	NCC	Chinese Taipei	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	ab	ab	ab	ab	ab	ab	a	a		2		
SPF	ATE	CP	Japan	LL	t1	31	31	32	10	27	31	36	26	25	30	22	33	29	20	16	25	36	40	21	36	53	59	49	39	134	85	3	0	4	2	3	22.6%	91%
SPF	ATE	CP	Japan	LL	t2	-1	b	b		-1	b	b	ab	ab	a	a	ab	ab	ab	ab	ab	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	a	a	a		3		
SPF	ATE	CP	EU.España	LL	t1					0	12		5	1	1	9	31	17	9	6	5		3	3		2	7	32	12	10	9	13	17	10	13	4	5.2%	97%
SPF	ATE	CP	EU.España	LL	t2					-1	b		-1	b	b	b	b	b	b	b		-1		b	b		-1	b	b		-1	-1	-1	4		
SPF	ATE	CP	EU.Portugal	LL	t1																			24	8	2	6	25	9	20					1	5	2.2%	99%
SPF	ATE	CP	EU.Portugal	LL	t2																			a	a	a	a	a	a	-1					-1	5		
SPF	ATE	CP	Korea Rep.	LL	t1	4	5	4	8	1	1	1	1	3	1																					6	0.6%	99%
SPF	ATE	CP	Korea Rep.	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	a																					6		
SPF	ATE	CP	St. Vincent and Grenadines	LL	t1																				0										10	7	0.3%	100%
SPF	ATE	CP	St. Vincent and Grenadines	LL	t2																			a	a	a	a	a	a	a	a	a	a	a	a	7		
SPF	ATE	CP	Senegal	LL	t1																							6								8	0.1%	100%
SPF	ATE	CP	Senegal	LL	t2																						a									8		
SPF	ATE	NCO	NEI (BIL)	LL	t1																								4							9	0.1%	100%
SPF	ATE	NCO	NEI (BIL)	LL	t2																								-1							9		
SPF	ATE	CP	China PR	LL	t1											2																		0	0	0	10	0.1%	100%
SPF	ATE	CP	China PR	LL	t2											-1															a		a	a	a	10		

Table 20. SPF-W stock

Species	Stock	Status	FlagName	GearGrp	DSet	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Rank	%	%cum
				T1 Total		236	108	64	83	19	120	122	33	37	7	74	50	97	107	95	79	137	101	256	102	106	62	117	80	58	352	36	62	62	321			
SPF	ATW	NCC	Chinese Taipei	LL	t1	208	85	41	36	16	111	116	19	18	2	64	16	11	24	39	12	11	20	17	20	0		5	12	3	1	3	3	1	2	1	28.9%	29%
SPF	ATW	NCC	Chinese Taipei	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		ab	ab	ab	a	ab	ab	ab	ab	1		
SPF	ATW	CP	Japan	LL	t1	17	10	13	46	1	1	2	3	4	1	8	11	11	3	12	40	41	58	54	25	45	26	57	12	13	3	1				2	16.3%	45%
SPF	ATW	CP	Japan	LL	t2	-1	b	b	-1	b	-1	a	a	a	a	ab	ab	ab	ab	ab	a	a	a	a	a	ab	ab	ab	ab	ab	a	ab	b			2		
SPF	ATW	CP	EU.España	LL	t1					0	5		1		0	0	22	47	20	5	21		5	14		2	5		10	10	9	11	19	14	259	3	15.1%	60%
SPF	ATW	CP	EU.España	LL	t2					-1	b	b	-1	b	b	-1	b	b	b	b	b		b	b		-1	b	b	-1	-1	b	b	-1	-1	b	3		
SPF	ATW	CP	Brazil	LL	t1													27	56	39	3		0	5	4				24	4	310		6			4	15.1%	75%
SPF	ATW	CP	Brazil	LL	t2													-1	-1	-1	a	a	a	a	ab	a	ab	a	a	a	-1		-1			4		
SPF	ATW	CP	St. Vincent and Grenadines	LL	t1																	82		135	23	13	7	8	5	4	3	3	1	7	52	5	10.8%	86%
SPF	ATW	CP	St. Vincent and Grenadines	LL	t2																	a		a	a	a	a	a	a	a	a	a	a	a	a	5		
SPF	ATW	CP	Venezuela	LL	t1						1	0		1	0	1	0		4	0	3	3	17	5	15	3	14	24	11	24	11	13	32	35	6	6	7.0%	93%
SPF	ATW	CP	Venezuela	LL	t2					b	ab	ab	b	a	ab	ab	ab		-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	6		
SPF	ATW	CP	EU.Portugal	LL	t1																			26	15	44	10	10	0	1						7	3.3%	96%
SPF	ATW	CP	EU.Portugal	LL	t2																			a	a	a	a	a	a	-1					a	7		
SPF	ATW	CP	Korea Rep.	LL	t1	2	5	9	0	1	2	4	4	10	4																					8	1.3%	98%
SPF	ATW	CP	Korea Rep.	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																					8		
SPF	ATW	CP	Brazil	HL	t1																										15	6				9	0.7%	98%
SPF	ATW	CP	Brazil	HL	t2																										-1	-1				9		
SPF	ATW	CP	Trinidad and Tobago	LL	t1	10	7	1	0			0	0	0	0	0	0	0			0			0						0						10	0.5%	99%
SPF	ATW	CP	Trinidad and Tobago	LL	t2	-1	-1	-1	-1			-1	-1	-1	-1	-1	-1	-1			-1			a						a						10		
SPF	ATW	CP	Belize	LL	t1																							12	3							11	0.5%	99%
SPF	ATW	CP	Belize	LL	t2																							a	a							11		

Table 21. BSH-N region

Species	Stock	Status	FlagName	GearGrp	DSet	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Rank	%	%cum
				T1 Total		1843	1818	3037	4306	3560	9589	8590	8468	7395	29283	26763	26172	28174	21709	20066	23005	21742	22359	23217	26927	30723	35198	37178	38083	36778	37058	36574	39627	44067	39675			
BSH	ATN	CP	EU.España	LL	t1										24497	22504	21811	24112	17362	15666	15975	17314	15006	15464	17038	20788	24465	26094	27988	28666	28562	29041	30078	29019	27316	1	69.1%	69%
BSH	ATN	CP	EU.España	LL	t2										-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	b	b	b	b	b	b	b	1		
BSH	ATN	CP	EU.Portugal	LL	t1			1387	2257	1583	5726	4669	4722	4843	2630	2440	2227	2081	2110	2265	5642	1751	4026	4337	5283	6164	6248	8256	6508	3725	3694	2994	3808	7679	5610	2	16.5%	86%
BSH	ATN	CP	EU.Portugal	LL	t2			-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	2		
BSH	ATN	CP	Japan	LL	t1							1203	1145	618	489	340	357	273	350	386	558	1035	1729	1434	1921	2531	2007	1763	1227	2437	1808	3287	4011	4217	4460	3	5.7%	91%
BSH	ATN	CP	Japan	LL	t2							-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	ab	ab	a	a	a	a	a	a	3		
BSH	ATN	CP	Canada	LL	t1	968	978	680	774	1277	1702	1260	1494	528	831	612	547	624	581	836	346	965	1134	977	843	0	0	0	0	1	0	1	5	16	32	4	2.6%	94%
BSH	ATN	CP	Canada	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	-1	a	a	a	a	-1	a	a	a	a	a	a	a	a	a	a	a	4		
BSH	ATN	CP	U.S.A.	LL	t1	421	480	742	772	185	1144	580	622	607	181	172	96	137	105	68	55	70	68	47	54	137	106	176	232	123	114	142	82	43	38	5	1.1%	95%
BSH	ATN	CP	U.S.A.	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	c	-1	b	b	b	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	5		
BSH	ATN	NCC	Chinese Taipei	LL	t1							487	167	132	203	246	384	165	59		171	206	240	588	292	110	73	99	148	107	123	83	238	287	76	6	0.7%	96%
BSH	ATN	NCC	Chinese Taipei	LL	t2							-1	-1	-1	-1	-1	-1	-1	-1		ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	6		
BSH	ATN	CP	Belize	LL	t1																						114	461	1039	903	1216	392	4	6	201	7	0.6%	96%
BSH	ATN	CP	Belize	LL	t2																						ab	ab	ab	ab	a	a	a	a	ab	7		
BSH	ATN	CP	EU.France	UN	t1	91	79	130	187	276	322	350	266	278	213	163	399	395	207	221	57	95	120	99	50	46	30	3	6	0	0	105	1	14	16	8	0.6%	97%
BSH	ATN	CP	EU.France	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	-1	-1	ab	8		
BSH	ATN	CP	Panama	LL	t1												9							254	892	613	1575				289	153		262		9	0.6%	98%
BSH	ATN	CP	Panama	LL	t2												-1							a	a	a	a				a	a		-1		9		
BSH	ATN	CP	U.S.A.	RR	t1	355	271	87	308	214	672	21	19	277	210	252	217	291	39										38	39	18	19	31	30	22	10	0.5%	98%
BSH	ATN	CP	U.S.A.	RR	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1										-1	-1	-1	-1	-1	-1	-1	10		
BSH	ATN	CP	Maroc	PS	t1																												573	863	875	11	0.3%	98%
BSH	ATN	CP	Maroc	PS	t2																												-1	-1	-1	11		
BSH	ATN	CP	Maroc	LL	t1																												300	760	600	12	0.2%	99%
BSH	ATN	CP	Maroc	LL	t2																												-1	-1	ab	12		
BSH	ATN	CP	China PR	LL	t1														185	104	148				367	109	88	53	109	98	327		1	27	2	13	0.2%	99%
BSH	ATN	CP	China PR	LL	t2														-1	-1	-1				a	a	a	a	a	a	a		ab	a	ab	13		
BSH	ATN	CP	Korea Rep.	LL	t1																								537	299	327	113	18	11	132	14	0.2%	99%
BSH	ATN	CP	Korea Rep.	LL	t2																								ab	abc	abc	a	b	a	ab	14		

Table 22. BSH-S region

Species	Stock	Status	FlagName	GearGrp	DSet	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Rank	%	%cum
				T1 Total		0	0	0	8	107	10	2704	3108	4252	10145	8797	10829	12444	14043	12682	14967	14438	20642	20493	23487	23097	23459	27799	35069	26421	20672	26148	22457	25417	28233			
BSH	ATS	CP	EU.España	LL	t1										5272	5574	7173	6951	7743	5368	6626	7366	6410	8724	8942	9615	13099	13953	16978	14348	10473	11447	10133	10107	11486	1	45.8%	46%
BSH	ATS	CP	EU.España	LL	t2										-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	-1	b	b	b	b	b	-1	b	1		
BSH	ATS	CP	EU.Portugal	LL	t1								847	867	1336	876	1110	2134	2562	2324	1841	1863	3184	2751	4493	4866	5358	6338	7642	2424	1646	1622	2420	5609	6663	2	16.4%	62%
BSH	ATS	CP	EU.Portugal	LL	t2								-1	-1	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	2		
BSH	ATS	CP	Namibia	LL	t1												0			2213	2316	1906	6616	3536	3419	1829	207	2351	2633	1176	1147	2471	2137	2775	1357	3	8.8%	71%
BSH	ATS	CP	Namibia	LL	t2												-1			a	-1	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	a	a	a	ab	3		
BSH	ATS	NCC	Chinese Taipei	LL	t1							1232	1767	1952	1737	1559	1496	1353	665		521	800	866	1805	2177	1843	1356	1625	2142	2074	2257	2240	1854	1992	2053	4	8.7%	80%
BSH	ATS	NCC	Chinese Taipei	LL	t2							-1	-1	-1	-1	-1	-1	-1	-1		ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	4		
BSH	ATS	CP	Brazil	LL	t1									743	1103		179	1683	2173	1966	2160	1568	2520	2533	2309	1625	1268	1500	1913	1607	2013	2551	2420	1334	2177	5	8.6%	88%
BSH	ATS	CP	Brazil	LL	t2									-1	a		-1	ab	a	a	a	a	ab	a	ab	a	ab	ab	ab	ab	a	a	a	a	a	5		
BSH	ATS	CP	Japan	LL	t1							1388	437	425	506	510	536	221	182	343	331	209	236	525	896	1789	981	1161	1483	3060	2255	3232	2236	2127	3115	6	6.5%	95%
BSH	ATS	CP	Japan	LL	t2							-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	ab	ab	a	a	a	a	a	a	6		
BSH	ATS	CP	Uruguay	LL	t1				8	107	10	84	57	259	180	248	118	81	66	85	480	462	376	232	337	359	942	208	725	433	130					7	1.4%	96%
BSH	ATS	CP	Uruguay	LL	t2				-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	ab	ab	ab	b	ab	ab	ab					7		
BSH	ATS	CP	South Africa	LL	t1											23	21		82	63	232	128	154	90	82	126	119	112	317	158	179	525	402	356	275	8	0.8%	97%
BSH	ATS	CP	South Africa	LL	t2											-1	-1	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	8		
BSH	ATS	CP	Ghana	GN	t1																											1583	385	429	467	9	0.7%	98%
BSH	ATS	CP	Ghana	GN	t2																											a	a	a	a	9		
BSH	ATS	CP	China PR	LL	t1														565	316	452				585	40	109	41	131	84	64	48	20	30	283	10	0.6%	98%
BSH	ATS	CP	China PR	LL	t2														-1	-1	-1				a	a	a	a	a	a	a	ab	a	ab	ab	10		
BSH	ATS	CP	Belize	LL	t1																	37	259		236	109		273	243	483	234	171	105	167	200	11	0.6%	99%
BSH	ATS	CP	Belize	LL	t2																	a	a	a	a	a		a	ab	a	a	a	a	a	ab	11		
BSH	ATS	CP	S. Tomé e Príncipe	PS	t1																								143	147	152	156	206	183		12	0.2%	99%
BSH	ATS	CP	S. Tomé e Príncipe	PS	t2																								-1	-1	-1	-1	-1	-1		12		
BSH	ATS	CP	Korea Rep.	LL	t1																							222	125	112	61	10	71	252	104	13	0.2%	99%
BSH	ATS	CP	Korea Rep.	LL	t2																							b	ab	abc	abc	a	a	ab	ab	13		

Table 23. BSH-M region

						T1 Total	3	2	1	3	1	0	6	8	2	150	63	22	45	47	17	11	125	72	178	50	81	185	216	40	42	100	235	665	729	105			
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**	**1988**	**1989**	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	Rank	%	%cum
BSH	MED	CP	Libya	LL	t1																											580	650		1	38.4%	38%
BSH	MED	CP	Libya	LL	t2																											-1	-1		1		
BSH	MED	CP	EU.España	LL	t1										146	59	20	31	6	3	3	4	8	61	3	2	7	48	38	39	37	53	65	58	40	2	22.9%	61%
BSH	MED	CP	EU.España	LL	t2										-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	-1	a	ab	ab	ab	ab	ab	2		
BSH	MED	CP	EU.Italy	LL	t1																	32	1		44	75	9				25	129		16	46	3	11.7%	73%
BSH	MED	CP	EU.Italy	LL	t2																	-1	-1		-1	-1	-1				-1	-1		-1	b	3		
BSH	MED	CP	EU.Italy	UN	t1																	67		95				165			3	44				4	11.7%	85%
BSH	MED	CP	EU.Italy	UN	t2																	-1		-1				-1			-1	-1				4		
BSH	MED	CP	EU.Italy	GN	t1																	12			2		166							1		5	5.6%	90%
BSH	MED	CP	EU.Italy	GN	t2																	-1			-1		-1							-1		5		
BSH	MED	CP	EU.Portugal	LL	t1											2		5	41	14	3		56	22				2								6	4.4%	95%
BSH	MED	CP	EU.Portugal	LL	t2											-1		-1	-1	a	a	a	a	a				a								6		
BSH	MED	CP	EU.Italy	TW	t1																					0	1				29			1	7	7	1.2%	96%
BSH	MED	CP	EU.Italy	TW	t2																					-1	-1				-1			-1	-1	7		
BSH	MED	CP	EU.Malta	LL	t1																				1	1	2	1	1	2	2	4	5	3	4	8	0.8%	97%
BSH	MED	CP	EU.Malta	LL	t2												a	a					a		a	ab	ab	ab	ab	abc	ab	abc	a	ab	ab	8		
BSH	MED	CP	EU.France	LL	t1																						0	0	0	0	3	4	14		2	9	0.8%	97%
BSH	MED	CP	EU.France	LL	t2																						-1	-1	-1	-1	-1	b	-1		b	9		
BSH	MED	CP	EU.Malta	UN	t1	3	2	1	3	1	0	1	1	1	2	2	2	1	1	1	0		0	0												10	0.8%	98%
BSH	MED	CP	EU.Malta	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1												10		
BSH	MED	CP	EU.Cyprus	LL	t1													9			3	6	5													11	0.7%	99%
BSH	MED	CP	EU.Cyprus	LL	t2													a			a	a	a													11		

Table 24. POR-N region

						T1 Total	1024	1013	1309	1990	2603	1909	2726	2136	1556	1833	1451	1393	1457	507	838	604	725	539	470	512	524	421	119	68	111	156	29	56	20	26			
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**	**1988**	**1989**	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	Rank	%	%cum
POR	ATN	CP	Canada	LL	t1	83	73	78	329	813	919	1575	1351	1045	1322	1055	956	899		223	130	220	191	184	83	115	50	65	22	29	16	8	3	2	2	1	42.1%	42%
POR	ATN	CP	Canada	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a		a	a	a	a	-1	a	a	a	abc	ab	ab	ab	ab	ab	a	ab	1		
POR	ATN	CP	EU.France	UN	t1	446	341	551	300	496	633	820	565	267	315	219	240	410	361	461	303	194	276	194	83	83	153								0	2	27.4%	70%
POR	ATN	CP	EU.France	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1								ab	2		
POR	ATN	NCO	Faroe Islands	LL	t1	373	477	550	1189	1149	165																									3	13.9%	83%
POR	ATN	NCO	Faroe Islands	LL	t2	-1	-1	-1	-1	-1	-1																									3		
POR	ATN	CP	EU.Denmark	UN	t1	33	33	46	85	80	91	93	86	72	69	85	107	73	76	42								0		2						4	3.8%	87%
POR	ATN	CP	EU.Denmark	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1								a		a						4		
POR	ATN	CP	EU.España	LL	t1	69	42	26	47	15	21	52	19	41	25	25	18	13	24	54	27	11	14	34	8	41	77		0							5	2.5%	90%
POR	ATN	CP	EU.España	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1							5		
POR	ATN	CP	EU.France	LL	t1																	185			271	184	46		1	0			0		1	6	2.4%	92%
POR	ATN	CP	EU.France	LL	t2																	-1			-1	-1	-1		-1	-1			-1		a	6		
POR	ATN	CP	Norway	UN	t1	11	25	43	32	41	24	24	26	28	17	27	32	22			19			1	8	9	6	12	11	17						7	1.5%	94%
POR	ATN	CP	Norway	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			-1			-1	-1	-1	-1	-1	-1	-1						7		
POR	ATN	CP	U.S.A.	LL	t1	0	1	1	4	4	50	108	35	78	56	9	0	1	0	1	0	1	0	0	0	0	0	3	2	0	2	7	34	1	6	8	1.4%	95%
POR	ATN	CP	U.S.A.	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	b	b	b	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	8		
POR	ATN	CP	EU.Portugal	LL	t1	3	2	2	1	0							0	7	4	10	101	50	14	6	0	3	17	7	0	0						9	0.8%	96%
POR	ATN	CP	EU.Portugal	LL	t2	-1	-1	-1	-1	-1							-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a			b	b	b	9		
POR	ATN	CP	Japan	LL	t1									5	4										12	10	13	13	14	49	98	0	0	2		10	0.8%	97%
POR	ATN	CP	Japan	LL	t2									-1	-1										-1	-1	ab	ab	ab	a	a	a	a	a		10		
POR	ATN	CP	Canada	GN	t1								2	4	8	11	6	2	7	12	11	10	10	6	10	8	11	18	7	2	0	1	1	0	0	11	0.5%	97%
POR	ATN	CP	Canada	GN	t2							a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	ac	a	a	a	a	a	a	a	11		
POR	ATN	NCO	Faroe Islands	UN	t1							48	44	8	9	7	10																			12	0.4%	98%
POR	ATN	NCO	Faroe Islands	UN	t2							-1	-1	-1	-1	-1	-1																			12		
POR	ATN	CP	U.S.A.	RR	t1																								8	4	27	7	9	5	8	13	0.2%	98%
POR	ATN	CP	U.S.A.	RR	t2																								-1	-1	-1	-1	-1	b	b	13		

Table 25. POR-S region

Species	Stock	Status	FlagName	GearGrp	DSet	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Rank	%	%cum
				T1 Total		1	0	0	0	0	1	2	3	3	26	17	10	11	1	11	43	17	31	37	13	85	62	16	21	37	29	38	4	1	0			
POR	ATS	CP	Uruguay	LL	t1								3		5	14	3	4		8	34	8	28	34	3	40	14	6	12	12						1	44.0%	44%
POR	ATS	CP	Uruguay	LL	t2								-1		-1	-1	-1	-1		-1	-1	-1	-1	a	a	b	a	-1	ab	ab	b					1		
POR	ATS	CP	Japan	LL	t1									3	14										5	41	34	8	7	25	15	13	4	1	0	2	32.7%	77%
POR	ATS	CP	Japan	LL	t2									-1	-1										-1	-1	a	a	a	a	a	a	a	a	a	2		
POR	ATS	CP	EU.España	LL	t1										2	2	2	7	1	2	9	4	0	3	5	4	13									3	10.2%	87%
POR	ATS	CP	EU.España	LL	t2										-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									3		
POR	ATS	CP	Ghana	PS	t1																											25				4	4.8%	92%
POR	ATS	CP	Ghana	PS	t2																											-1				4		
POR	ATS	CP	Korea Rep.	LL	t1																										14					5	2.6%	94%
POR	ATS	CP	Korea Rep.	LL	t2																										abc			b		5		
POR	ATS	NCO	Benin	UN	t1										4	0	4																			6	1.5%	96%
POR	ATS	NCO	Benin	UN	t2										-1	-1	-1																			6		
POR	ATS	CP	EU.Portugal	LL	t1																	4	2													7	1.3%	97%
POR	ATS	CP	EU.Portugal	LL	t2																a	a	a													7		
POR	ATS	NCC	Chinese Taipei	LL	t1																							2	0	0	1	0	0		0	8	0.7%	98%
POR	ATS	NCC	Chinese Taipei	LL	t2																							a	-1	a	a	-1	-1		-1	8		
POR	ATS	CP	Japan	TW	t1	1					1	0	0		0	0	1																			9	0.5%	98%
POR	ATS	CP	Japan	TW	t2	-1					-1	-1	-1		-1	-1	-1																			9		
POR	ATS	CP	Brazil	LL	t1																								2							10	0.4%	99%
POR	ATS	CP	Brazil	LL	t2																a					a			-1							10		
POR	ATS	NCO	Falklands	TW	t1						0		0	0	0	1	0	0																		11	0.3%	99%
POR	ATS	NCO	Falklands	TW	t2						-1		-1	-1	-1	-1	-1	-1																		11		

Table 26. SMA-N region

						1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017			
			T1 Total			2926	2170	2389	2296	3233	4114	3690	5295	5277	3517	3829	2830	2552	2637	3373	4034	3988	3646	3564	4179	3800	4541	4767	3718	4431	3595	2852	2991	3351	3112			
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**																															Rank	%	%cum
SMA	ATN	CP	EU.España	LL	t1	1851	1079	1537	1390	2145	1964	2164	2209	3294	2416	2223	2051	1561	1684	2047	2068	2088	1751	1918	1816	1895	2216	2091	1667	2308	1509	1481	1362	1574	1784	1	53.6%	54%
SMA	ATN	CP	EU.España	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	b	b	b	b	b	b	b	b		1		
SMA	ATN	CP	EU.Portugal	LL	t1			193	314	220	796	649	657	691	354	307	327	318	378	415	1249	399	1109	951	1540	1033	1169	1432	1045	1023	817	209	213	257	270	2	17.2%	71%
SMA	ATN	CP	EU.Portugal	LL	t2			-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	2		
SMA	ATN	CP	U.S.A.	RR	t1	795	670	268	210	250	667	317	1422	232	164	148	69	290	214	248	0	336	282	257	158	156	163	168	178	229	219	201	190	163	189	3	8.3%	79%
SMA	ATN	CP	U.S.A.	RR	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	3		
SMA	ATN	CP	Japan	LL	t1	113	207	221	157	318	425	214	592	790	258	892	120	138	105	438	267	572			82	131	98	116	53	56	33	69	45	74	89	4	6.3%	85%
SMA	ATN	CP	Japan	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			-1	-1	ab	ab	ab	a	a	a	a	a	a	4		
SMA	ATN	CP	Maroc	LL	t1																147	169	215	220	151	283	476	636	390	380	616	580	807	1000	320	5	6.0%	91%
SMA	ATN	CP	Maroc	LL	t2																-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a		-1	a	ab	ab	5		
SMA	ATN	CP	U.S.A.	LL	t1	160	188	146	176	273	249	269	259	166	179	146	124	123	135	123	105	140	138	95	167	149	171	168	160	152	140	155	100	108	109	6	4.5%	96%
SMA	ATN	CP	U.S.A.	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	b	b	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	6		
SMA	ATN	CP	Canada	LL	t1								93	56	99	55	54	59	60	61	63	69	74	64	64	39	50	39	37	28	35	53	84	82	109	7	1.3%	97%
SMA	ATN	CP	Canada	LL	t2								-1	a	a	a	a	a	-1	a	a	a	a	-1	a	a	a	abc	ab	ab	ab	ab	ab	ab	ab	7		
SMA	ATN	NCC	Chinese Taipei	LL	t1	4	2	9	39	16	9	61	21	16	25	31	48	21	7		84	57	19	30	25	23	11	14	13	15	8	4	15	8	1	8	0.6%	98%
SMA	ATN	NCC	Chinese Taipei	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		ab	ab	ab	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	ab	a	8		
SMA	ATN	CP	Maroc	PS	t1																								30	26	51	44	140	50	130	9	0.4%	98%
SMA	ATN	CP	Maroc	PS	t2																								-1	-1	-1	-1	-1	-1	-1	9		
SMA	ATN	CP	Belize	LL	t1																						23	28	69	114	99	1	1	1	9	10	0.3%	98%
SMA	ATN	CP	Belize	LL	t2																						ab	ab	ab	ab	a	a	-1	a	a	10		

Table 27. SMA-S region

						T1 Total	1032	1546	1255	1062	1183	1743	2233	3179	2461	2212	2025	1549	2553	2050	1957	3779	2466	3161	3008	2850	1881	2063	2486	3258	2905	2183	3274	2773	2765	2742				Cl
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**	**1988**		**1989**		**1990**		**1991**		**1992**		**1993**		**1994**		**1995**		**1996**		**1997**		**1998**		**1999**		**2000**		**2001**		**2002**		**2003**		**2004**		**2005**		**2006**		**2007**		**2008**		**2009**		**2010**		**2011**		**2012**		**2013**		**2014**		**2015**		**2016**		**2017**		Rank	%	%cum
SMA	ATS	CP	EU.España	LL	t1	378		809		552		327		421		772		552		1084		1482		1356		984		861		1090		1235		811		1158		703		584		664		654		628		922		1192		1535		1207		1083		1077		862		882		1049		1	38.7%	39%
SMA	ATS	CP	EU.España	LL	t2	-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		b		-1		b		b		b		b		b		b		b		1		
SMA	ATS	CP	Japan	LL	t1	525		618		538		506		460		701		1369		1617		514		244		267		151		264		56		133		118		398						72		115		108		103		132		291		114		182		108		77		96		2	14.2%	53%
SMA	ATS	CP	Japan	LL	t2	-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1						-1		-1		ab		ab		ab		a		a		a		a		a		a		2		
SMA	ATS	CP	Namibia	LL	t1																					1						459		375		509		1415		1243		1002		295		23		306		328		554		9		950		661		799		194		3	13.1%	66%
SMA	ATS	CP	Namibia	LL	t2																					-1				a		-1	ab	ab		ab		ab		ab		ab		ab		ab		ab		a		ab		a		a		a		ab		3		
SMA	ATS	CP	EU.Portugal	LL	t1															92		94		165		116		119		388		140		56		625		13		242		493		375		321		502		336		409		176		132		127		158		393		503		4	8.6%	75%
SMA	ATS	CP	EU.Portugal	LL	t2															-1		-1	a	a		a		a		a		a		a		a		a		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		4		
SMA	ATS	CP	Brazil	LL	t1	70		71		103		79		158		122		95		119		83		190		233		27		219		409		226		283		177		426		183		152		121		92		128		179		193		276		256		172		124		275		5	7.5%	82%
SMA	ATS	CP	Brazil	LL	t2	-1		-1		-1		-1		-1		-1		-1		-1	a			-1		-1	ab	a		a		a		a		ab		a		a		a		a		a		a		a		a		-1	a	-1		5		
SMA	ATS	CP	South Africa	LL	t1									64		43		23		46		36		29		168		66		103		68		12		115		101		111		86		224		137		146		152		218		108		250		476		613		339		261		6	5.7%	88%
SMA	ATS	CP	South Africa	LL	t2									-1		-1		-1		-1		-1		-1		-1	ab	a		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		a		ab		ab		ab		ab		ab		ab		6		
SMA	ATS	NCC	Chinese Taipei	LL	t1	35		29		36		80		44		31		116		166		183		163		146		141		127		63				626		121		128		138		211		124		117		144		204		158		157		161		154		95		88		7	5.7%	94%
SMA	ATS	NCC	Chinese Taipei	LL	t2	-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		ab		7		
SMA	ATS	CP	China PR	LL	t1													34		45		23		27		19		74		126		305		22		208		260		68		45		70		77		6		24		32		29		8		9		9		5		3		1		8	2.2%	96%
SMA	ATS	CP	China PR	LL	t2													-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		a		a		a		a		a		a		a		a		a		a		8		
SMA	ATS	CP	Uruguay	LL	t1	23		19		26		13		20		28		12		17		26		20		23		21		35		40		38		188		249		146		68		36		41		106		23		76		36		1										9	1.9%	98%
SMA	ATS	CP	Uruguay	LL	t2	-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1	ab		ab		ab		a		-1	ab		ab		ab																		9		
SMA	ATS	CP	Côte d'Ivoire	GN	t1							9		13		10		20		13		15		23		10		10		9		15		15		30		15		14		16		25										19		33		19		11		13		161		10	0.7%	98%
SMA	ATS	CP	Côte d'Ivoire	GN	t2							-1		-1		-1		-1		-1		-1		-1		-1		-1		-1		-1	b		b				-1		-1		-1	a								a		a		ab		a		a		ab		10		

Appendix 2: Summary of FAD Management Plans and ST08 forms received in 2018

2018 FAD Management Plan	Reported no FAD fishery on 2018 ST-08	Reported 2016 Data on ST-08	Reported 2017 Data on ST-08
Belize	Mexico	El Salvador	EU.France
Senegal	FR.St Pierre et Miquelon	Curacao	Ghana
EU.France	Nigeria		UK St. Helena
EU.Spain			Belize
Curacao			

Appendix 3: Current summary of CPC responses regarding their National Observer Programs, coverage and data collection features.
Appendice 3 : Résumé des réponses apportées par les CPC concernant leurs programmes nationaux d'observateurs, couverture et caractéristiques de la collecte des données.
Apéndice 3 : Resumen de las respuestas de las CPC sobre sus programas nacionales de observadores, cobertura y características de recopilación de datos.

	Belize	Canada	Curacao	EU.France	EU. Portugal	Ghana	Korea	Mexico	El Salvador	Chinese Taipei	Tunisia	Turkey	USA	EU.Italy
Start year	2017	2017	2017	2017	2017	2006	2017	2017	2017	2017	2017	2017	1992	2016
Fisheries monitored (1 or more)	LL, PS	LL, RR, GN, TW	PS	PS	LL, TP	PS, BB	LL	LL	PS	LL	PS	LL	LL	LL, TP
Coverage														
Percent Coverage	10%	7.9, 0.3	100	81	7.1	67	10.4	100	100	12.36	-	25	8	-
Coverage based on	No. of Vessels	No. of sets	No. Trips	No. of sets	No. of sets	No. of vessels	No. of hooks	Other	No. of vessels	Days at sea	No. of vessels	No. of annual trips	No. of sets prefined strata per quarter	No. of vessels
Sample scheme INFO:														
Vessel selection modality	Combination Random + Voluntary	Random	Voluntary	Random	Combination Random + Voluntary	Voluntary	Combination Random + Voluntary	Mandatory	Voluntary	Random	Random	Voluntary	Random	Combination Random + Voluntary
Nº vessels observed per year	4	17	5	10	10	25	4	29	4	24	-	1	other	35
Notes		2017 total, has changed with observer coverage percentage goal			Combination of random + voluntary for LL; Complete (100%) for TP								30 vessels per quater average	
Geographical regions:														
AT-NE (Atl- Northeast)	Yes	No	No	Yes	Yes	No	No	No	Yes	Yes	No	No	No	No
AT-NW (Atl- Northwest)	Yes	No	No	No	No	No	Yes	Yes	Yes	Yes	No	No	Yes	No
AT-SE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	No	No
AT-SW	Yes	No	No	No	No	No	Yes	No	Yes	Yes	No	No	No	No
MD (Med sea)	No	No	No	No	No	No	No	No	No	No	yes	Yes	No	Yes