
COORDINATING WORKING PARTY ON FISHERY STATISTICS**Twenty-third Session****Hobart, Tasmania. 22-26 February 2010****Review of progress of recommended actions and other relevant information
addressing agenda items****Author: Secretariat**

Review of Memberships:

The application to the membership by General Fisheries Commission for the Mediterranean (GFCMS) submitted just prior to the CWP-22 was approved anonymously in April 2007. Since CWP-22, the South East Atlantic Fisheries Organisation (SEAFO), Western and Central Pacific Fisheries Commission (WCPFC), and Network of Aquaculture Centre in Asia-Pacific (NACA) have joined the CWP participating organizations in 2008 with anonymous support by the existing participating organizations.

The interim secretariat of the South Pacific Regional Fisheries Management Organization (SPRFMO) has expressed its interest to join when the organization is formally established.

There have been substantial changes of focal point of the participating organizations. New focal points include Mr. Simon Morgan (CCSBT), Mr. Ricardo Federizon (NAFO), and Mr. Michael Batty (SPC). ICCAT also informed the retirement of Mr. Papa Kebe but have not yet nominated his replacement.

Progress to the CWP-22 recommendations:

List of agreements and recommendations are attached as Appendix 1-1, with brief note on the actions taken.

Inter-sessional meetings:

CWP organized the Inter-sessional meeting held in Dartmouth, Canada, during 8-9 July 2008, under the theme "New data requirement and data sources", and exchanged views on standardizations and utilization of MCS-related data as well as on the emerging data needs for ecosystem management approach. The meeting report is available as **CWP-23/2** and Appendix 1-2 contains the agreed points at the CWP

Activities toward establishment of Aquaculture Group: (covered by CWP23/5)**Activities of ad-hoc Aquaculture Group:**

Based on the informal agreement at the CWP Intersessional meeting in July 2008, the Aquaculture Group initiated its activities promptly. Since the COFI Sub Committee of Aquaculture (COFI-AQ) provide the best opportunity to assemble those with interests in and/or competence with aquaculture, the Aquaculture Group had its the first ad-hoc session in Puerto Varas, Chile, during 3-4 October, 2008, just prior to the COFI-AQ/IV, with participation of four CWP member organizations and eight non-member aquaculture specialized agencies. The meeting finalized the rules of procedure of the Group and identified a range of potential participants. Although several organizations including OSPESCA and CAPA expressed its interests to join the Group, so far there has been no formal action taken.

The 1st ad-hoc meeting identified the revision of aquaculture component of the CWP Handbook as the most urgent and high priority task. Accordingly, FAO and NACA developed a draft list of contents that was reviewed and discussed at the 2nd ad-hoc Aquaculture Group meeting held in Rome on 6 March in conjunction with the 28th session of COFI.

The ad-hoc Aquaculture Group of the Coordinating Working Party on Fisheries Statistics (CWP), whose establishment was agreed at the CWP Inter-sessional meeting held in Dartmouth, Canada, during 8-9 July, 2009, considered the establishment of global standard of terms, concepts, and methodology as their most urgent priority task of the Group and determined to develop the revised draft of the aquaculture component of the existing CWP Handbook which would be tabled to the 23rd Session of CWP for its approval. The meeting reports of those two meetings are available as **CWP-23/4**.

The Expert Workshop was called in Halong City, Vietnam, during 10- 13 November 2009 to finalize the draft of Aquaculture component of the CWP Handbook with participation of five CWP member organizations and eleven selected experts. FAO and NACA developed the preliminary draft in collaboration and distributed to all participants and other relevant organizations prior to the Workshop. The meeting reviewed and further developed the draft focusing on the concepts. At the end, the Workshop agreed its contents and assembled texts for provision to the 23rd session of CWP for its approval. The report of the Expert Workshop together with final draft of aquaculture component of the CWP Handbook is in **CWP-23/3**.

Contents of CWP Handbook:

The CWP Handbook is intended to provide a suit of concepts and definitions of terms used in fisheries and aquaculture statistics and data collection as well as standard codes to be used. The items to be included were selected whether such information would contribute policy-making and management of the sector.

Major points of the contents include:

- Ownership and constraints of animal behaviors into a certain space are considered as a key to distinguish “Aquaculture” from “Capture fishery”.
- Concept of aquaculture covers culturing of any aquatic organisms regardless the utilization of products. In the other words, fingerlings released to wild environment and culturing of organisms for non-food purpose including ornamental organisms are also considered as aquaculture products. Depending life-stage, product-type and type of organisms, the appropriate measurement of production can be either biomass (live-weight equivalent) or number.
- Net production of aquaculture is considered as an increment in either biomass and/or numbers during the period when the organisms are in farming environment. Therefore, the monitoring of aquaculture production requires the data collection on both inputs to farming environment and outputs from farming environment.
- Farming systems are clearly defined together with standard categorization for statistical purpose.

Minimum reporting requirement for national statistics is determined as follows:

- Inputs: In principle, annual seed production in terms of number and purchase value by species should be collected and disseminated regularly. Quantity of seed that is imported from other countries and those taken from natural environments must be monitored as separate categories. When seed is imported from other countries, in addition to quantity in number and value by species, the data on estimated quantity in biomass and exported countries should be kept where applicable. For seed taken from natural environment, it is strongly encouraged to keep quantity in biomass in addition to number and value by species as much as possible. In many cases, estimated quantity in live-weight can be negligible. However, specifically for any tuna species and eels, the estimated quantity in biomass is essential. Where applicable, value of seed should be included.
- Outputs:
 - Output products for food*: Statistics to be collected is quantity in live weight equivalent and farm-gate value stratified by species, environment (i.e. freshwater, brackish water or marine water), by farming systems, and by destinations (i.e. domestic or export).
 - Output products for non-food use*: Statistics to be collected is quantity of products either in number or product weight, and farm-gate value, stratified by commodities, by species, environment (i.e. freshwater, brackish water or marine water), by farming systems, and by destinations (i.e. domestic or export).
 - Seed products*: Statistics to be collected is quantity in number and farm-gate value stratified by species, environment (i.e. freshwater, brackish water or marine water), by farming systems, and by destinations (i.e. domestic aquaculture, domestic wild or export).

Output products of broodstock: Statistics to be collected is quantity in number and biomass, and farm-gate value stratified by species, environment (i.e. freshwater, brackish water or marine water), by farming systems, and by destinations (i.e. domestic or export).

- **Employment:** Statistics required here is number of employment in aquaculture sector by genders and classifications whether full-time employment or not (corresponding part-time and occasional employment).
- **Structure of farming operations:** The information on structure of farming operation is expected to be obtained from administrative data including registration and licensing. As a minimum, data of total number of production units by type of water environments (i.e. freshwater, brackish water, marine water) should be collected and disseminated regularly. Here, production units refer to the unit that countries adopt for their registration and/or licensing purpose. Where possible, it is encouraged to incorporate data on number of holdings and total surface areas by different farming systems. Further stratification of those statistics by type of holdings (i.e. household sector and non-household sector) is also recommended.

Revision of CWP Handbook (except Aquaculture component):

Mr. David Cross has provided the draft proposed revision of the CWP Handbook of fishery statistical standard with progress report (Appendix 2) in December 2009. Although this covers most of recent revisions and updates in codes and area definitions, further substantial work is needed to make the Handbook more viable in addressing emerging data and monitoring needs corresponding to shift toward the more holistic management including ecosystem approach of fishery management and adaptation to climate change impacts. Since it is not pragmatic to revise whole handbook within a short period (e.g. two years), the Secretariat seek advice of the CWP members to identify the section of high priority that will require urgent attention and/or accumulate adequate knowledge for major revision, as well as the area to which individual members can contribute. This will facilitate to develop a pragmatic work plan with clear indication of timeline.

Gear classifications:

Although the CWP noted the decision by ICES to revise gear classification in collaboration with FAO, the progress had been unknown to the CWP until March 2009 when the FAO member of the ICES/FAO Working Group on Fishing Technology and Fish Behaviour (WGFTFB) contacted to the CWP Secretary regards to the ownership and process to revise the International Standard Stistical Classification of Fishing Gear (ISSCFG). The WGFTFB has worked since 2005 to update the FAO Technical Report 222/Rev.1 that was originally developed in 1980 (with the revised publication in 1990) and used as a basis of ISSCFG.

The WGFTFB and CWP Secretary met in May 2009 and discussed the collaboration between two institutions. The work by WGFTFB and the most updated version of revised descriptions of each classification is in **CWP-23/FAO**. The WGFTFB informed that this is their finalized version in terms of description.

The CWP Secretary have received requests of additional gear codes occassionally. Some of main and recent requests include additional gear codes to describe minor fishing activities at national level (e.g. French glass eel trap) and clarifications on how to connect more detailed own coding to the ISSCFG. For example, SEAFDEC developed much more detailed gera classifications to address its regional needs. In order to address the need for more detailed gear classifications, it was agreed to restrict the global gear classification into two tiers and to leave the third tier for individual users, either country, regions, or any other institutions, to define in order to address its own need. This is the same concept used for HS codification system in World Custom Organization, where the top 6 digits are agreed and

commonly used as global standard, while each country can expand them up to 12 digits depending its own need, which allows common aggregation among countries.

The principles applied in developing revised classifications were:

- keeping changes as few as possible; and
- classifications on top two tiers to be determined only by difference in harvesting/entangling mechanism (in the other words, no classifications on top two tiers based on target organisms, e.g. shrimp trawl).

Also, it was noted that the alphabetic code is used more often than numeric code. In addition, the recently finalized legally binding instrument of port state measures requests to utilize ISSCFG alphabetic code in the report. Appendix 3 shows the modification of ISSCFG by WGFTFB. Although it was tried to make for the 1st letter or first two letters to distinguish the category (e.g. the first tier: e.g. G for gillnets, SN for seine, etc.), this is not necessarily true. The worst case is trawling which is a mess but we cannot start from a blank sheet. Falling gears and Fixed gears both start with F unfortunately. The guidance by CWP members was sought. Also, there has been consistent complaint from tuna organizations on absence of “baitboat” within ISSCFG, which has not been resolved yet.

Appendix 1-1. Recommendations and Agreements (Modified from Appendix 8 of CWP-22 report)

AQUACULTURE STATISTICS

15. While the meeting encouraged the aquaculture experts to continue their efforts to establish a CWP-like body for aquaculture, the CWP recommended that FAO and the Secretariat ensure close collaboration and monitoring of this development and regularly report to the CWP. The appropriate form of the relationship between the current CWP and a CWP-like body for aquaculture should be discussed at the later stage. *(Progress made. CWP-23 will formally establish the Aquaculture Group.)*

18. The meeting noted the difficulties in separating the capture fisheries component and aquaculture components of tuna cage culture. It remains essential to communicate the existing guidelines as well as to review and update them as appropriate and the meeting agreed this issue to be kept in agenda for the next session. It was noted that the capture-based aquaculture extends to species other than tuna and specific guidelines may be needed for other fishing activities. *(Seed inputs will become the minimum requirement for aquaculture.)*

8.1 REVIEW OF VESSEL CLASSIFICATION

19. FAO reminded the meeting that a proposal to simplify the International Standard Statistical Classification of Fishing Vessels (ISSCFV) focusing on the vessel structural characteristics had been developed and approved by CWP-21. Although FAO concluded that potential impacts of simplifying ISSCFV seems to be minimal, it suggested that the revision should be postponed until the need of codes for supporting vessels would become clarified corresponding to an on-going movement toward development of global vessel list including support vessels. The meeting endorsed this suggestion. The need for harmonization of gear codes was also noted. *(No action needed.)*

8.3 REVIEW OF UN-LOCODE

22. Following the recommendation made by the Expert Consultation on Data Formats and Procedures for MCS, the Secretariat reviewed the feasibility of UN-LOCODE as a template for port code. The existence of the UN-LOCODE should be noted when considering coding for ports, although it is premature to recommend it as a standard for fishing port codification. The meeting agreed that the issue of port codes will not be brought to CWP-23 unless further developments that need discussion have taken place. *(No action needed)*

11.1 NORTHERN BOUNDARY BETWEEN FISHING AREAS 57 AND 71

30. It was concluded that CWP would support SEAFDEC's proposal to change the boundary between FAO Major Fishing Areas 57 and 71 on the condition that IOTC and WCPFC would be consulted and had no objections and that historical data according to the new boundary could be submitted to FAO. The meeting agreed that SEAFDEC, in consultation with the Secretariat, should proceed as instructed during the inter-sessional period and that the Secretariat would report the result to member organizations. It was not considered necessary to include the issue on the agenda of CWP-23. *(SEAFDEC/IOTC/Secretariat will report the progress)*

12.1 COMPARISON OF CHARACTERISTICS OF GENERAL PURPOSE FISHERY DATA SYSTEM BY RFBS

31. Reviews and comparisons of fishery data systems is a long-term on-going activity of the CWP. Recognizing the importance of methodological descriptions of national fishery statistics programmes for monitoring statistical data quality, the meeting recommended that the CWP Secretariat compile information supplied by CWP members during the earlier sessions and distribute this information to members for review and update. *(Secretariat will summarize the response of questionnaire.)*

12.3 FOLLOW-UP OF RECOMMENDATIONS FROM THE FAO EXPERT CONSULTATION ON DATA FORMAT AND PROCEDURES FOR MONITORING, CONTROL AND SURVEILLANCE (MCS)

37. Despite of recommendation from Expert Consultation on Data Format and Procedures for MCS, the CWP could not identify a concrete issue for collaboration. However, the meeting saw a merit in maintaining contact with and exchanging information and agreed to invite the MCS-network as an observer for future sessions of CWP. (*Secretariat failed to notify to MCS-network on the CWP-23*)

41. FAO's service for Fishing Technology (FIIT) will host a visiting scientist who will work on VMS, in particular with regard to carrying out a review and inventory of VMS systems. It was agreed that CWP and its members would collaborate with FAO on this issue by making information available. The report will be shared with CWP and will provide an important input into the evaluation of the future role of CWP on this issue. (*Progress report was made to the Inter-sessional meeting in 2008.*)

42. With regard to the potential establishment of a global list of IUU vessels, more generally, it would appear that each organisation has its own criteria for defining IUU vessels and, in addition to potential legal problems, this inconsistency is likely to represent an obstacle to the establishment of internationally shared lists. In the absence of such global lists, it was recommended that RFBs should facilitate the establishment of links to each others' IUU lists. It was further recommended that CWP should review the criteria used for defining IUU vessels by its various members with a view to provide a basis for a discussion on harmonisation. (*Progress report in CWP-23*)

43. The estimation of IUU catches is critical for stock assessments and it was recommended that CWP should review existing methods used for such estimates. (*Questionnaire survey*)

13.1 UN REVIEW CONFERENCE ON FISH STOCK AGREEMENT OF HIGHLY-MIGRATORY AND STRADDLING STOCKS

50. The meeting recommended that FAO establish a consolidated catch database based on the publicly available data and under general guideline established at the time of the previous consolidation exercise. At the same time, FAO should prepare a more detailed proposal with a long term strategy including whether the database should be held under the auspices of FAO or CWP to be considered at CWP-23. (*On-going. FAO will report the progress.*)

13.2 KOBE-MEETING

55. The meeting suggested the Secretariat should monitor the progress of unique identification numbers for smaller vessels by the IMO/FAO working group and report to the CWP. (*No progress was identified.*)

56. CWP had agreed in the previous sessions to eliminate vessel classifications on non-fishing vessels including support vessel from ISSCFV. However, the meeting felt this decision should be reversed and recommended that support vessels should be included in the ISSCFV. The meeting also noted the need to develop a unique identifier for vessel owners. (*No action needed*)

INTEGRATING THE REGIONAL DATABASES – REMOVING THE BASIS FOR DISCREPANCIES

64. While it may be desirable to eliminate discrepancies between different sets of published data, it has to be accepted that differences between databases will continue to exist. Data are collected within different frameworks and for different uses and will hence be different. The meeting agreed that priority should firstly be given to improving future data collection and validation rather than to rectifying historical discrepancies. (*No specific action needed. Attempt made along this line among the collaboration Eurostat/ICES/FAO.*)

IMPROVEMENT IN VISIBILITY OF CWP

65. Various such measures were discussed and the following suggested:

- RFBs should include links to the CWP website from their sites. (RFBs)
- A statement by CWP will be delivered to COFI. This statement can also be used as a basis for press releases and other information measures by CWP members.
- A reference to CWP will be included on the website for UN statistics. (*Done*)
- The CWP Secretariat will consult with relevant expertise within FAO to develop an outreach strategy for CWP to be presented and considered by CWP-23. This work will also include investigating possibilities for making the CWP website more accessible. (*Not initiated*)

17.1 AMENDMENT OF RULES OF PROCEDURES

70. The Secretariat noted that the Rules of Procedures were last amended in 1995. Some provisions may not be applicable to the way CWP operates currently. It was agreed that the Members review the Rules and Procedures during the inter-sessional period and provide the Secretariat with potential suggestions for changes. At the same time, it was suggested that Members and meeting participants may want to pay closer attention to, for example, adhering to deadlines for document submissions ahead of Sessions. (*No action taken yet, Secretariat apology for the delay in meeting and document preparation*)

17.2 DATA COLLECTION AFTER TERMINATION OF MOU BETWEEN SEAFDEC AND FAO ON TUNA FISHERY STATISTICS

72. The CWP noted that with the lapse of the MoU between FAO and SEAFDEC and as there is no regional management arrangement for tuna and tuna-like species, there is currently no institutional arrangement in place for the collection and consolidation of tuna catch statistics for the Southeast Asia region (Brunei Darussalam, Malaysia, the Philippines, Singapore, Thailand, Vietnam, Indonesia, and Australia). The CWP recommended that FAO work with appropriate organisations to address this gap. The result of their work will be reported to the next meeting of the CWP. (*FAO, SEAFDEC, WCPFC and other relevant organizations: No action taken by FAO.*)

17.3 SEPARATION OF CATCH TAKEN IN EEZS AND IN HIGH SEAS

73. ICES and Eurostat explained to the meeting the recent separations of the statistical sub-divisions distinguishing between national EEZs and international waters. However, the CWP statistical handbook should be updated accordingly and the meeting agreed to these changes. Eurostat and ICES will provide the definition of this new sub-divisions. (*CWP web Handbook incorporated the change.*)

75. FAO and SEAFO suggested to conduct in the near future a joint study to analyze if it is feasible to rearrange the statistical divisions of area 47 in a way that would both reduce to a minimum the disruption of historical data series and allow the reporting and compilation of data for the SEAFO Convention area in the future. Results of this study should be presented to the appropriate SEAFO body and reported to CWP at the 23rd session. (*SEAFO endorsed the new sub-areas for Area-27. CWP web handbook incorporated this change.*)

17.4 STANDARDS FOR DATA COLLECTION IN RELATION TO THE ECOSYSTEM APPROACH TO FISHERIES

77. It was recommended that CWP should move towards refining best practice data standards for monitoring fisheries within their ecosystem context. These issues are becoming important for regional

management bodies and it is not clear that sufficient data exist to adequately address by-catch, discarding and other associated topics. (*On-going effort by CWP*)

List of Minimum Items to be included in CWP-23 Agenda**Intersessional theme: new data requirement and data sources**

(Italics indicates those items to be discussed at the Inter-sessional meeting)

(Modified from Appendix 6 of CWP-22 report)

1. *Standards for MCS-related data and VMS, review the criteria used to decided for listing as “IUU”, VMS combining with other information, e.g. catch report,*
 - *(Review of progress of making inventories of use of VMS work)*
 - *Estimation of IUU catch*
 - *Need for data in relation to the area closure*
2. *Type of data useful for Ecosystem management approach? What need collect for? ; Standard for data need for ecosystem management approach including data collection standard for incidental take.*
3. *Consolidated database of RFB's data*
4. Update on standards on capture-based aquaculture including tuna-farming
5. Follow-up of development of CWP-like body for aquaculture
6. Development of vessel lists (authorized/IUU/global) , harmonization of fields and codes/ unique identifier
7. Methodological description of national data collection system
8. Progress in development of unique vessel identifier for small vessels.
9. CWP Visibility
10. Review of Rules of Procedures.

Additional requests received from members:

- Improvement of Fishstat+ (ICCAT; 09/01/2008)
- International codes for fishing effort (ICES; 15/01/2008)
- Revision of CWP Handbook (FAO; 01/07/2008)

Appendix 1-2. Point of agreement at the CWP intersessional meeting in July (2008) (Attachement 3 of the report)

List of Agreed points:

3.1 VMS information

- CWP to coordinate setting global standards on automated data transmission (i.e. VMS) and data types. Some reservations were expressed. This to be discussed at CWP-23.

3.2 Electronic log-book

- CCAMLR to give a presentation on its e-logbook at the CWP-23.

3.3 Criteria to determine “IUU” activities and “IUU” vessels

- The meeting admitted the usefulness to compile information and agreed that those RFMOs adopting “IUU” list should provide its criteria for inclusion to the list to the Secretariat prior to the CWP-23. The Secretariat was requested to compile them together with consolidated list of identified “IUU” vessels.

4. Data need for Ecosystem Management Approach

- Whole section on catch and efforts of the CWP Handbook should be reviewed and revised to reflect the changes in data requirements emerged corresponding to the shift toward EAF.

- CWP should gather information and develop inventory on data requirement for EAF, including case studies, standards and guidelines, scientific and socio-economic data collected to monitor impacts of human activity, fishing activities, natural changes, impacts on nature, impacts of climate changes. Those compiled information should be used for review and evaluation at the later stages.

5.1 Integration system of RFB catch statistics/5.2 Closed network among organizations

- Secretariat to seek and compile feedback especially on the auspices on the consolidated databases for the further discussion at CWP-23.

5.3 Consolidation of RFB vessel lists

6.1 CWP for aquaculture

- Meeting supported to hold the inter-sessional meeting focusing on aquaculture chaired by a member of CWP participating organizations.

- Meeting expressed preference of having two specialized groups of independent and equal status, one for aquaculture and one for fishery. The formal structure and way to operate will be discussed at CWP-23.

6.2 Modification of boundary between Areas 57 and 71 (*information only*)

6.3 Tuna catch data collection in the area with no responsible RFBs

6.4 Review of draft Agenda for CWP-23

- Members to provide any information available on support documentations on national data collection system, or the requested format of them to the Secretariat for compilation for the further discussion at CWP-23.

- Secretariats to pursue the issues relating with gear codes and report to the CWP-23.

6.5 Other business -- CWP handbook

- Meeting agreed the need to revise the existing Handbook, especially incorporating emerging data requirement corresponding shift toward ecosystem approach of fishery and aquaculture management.

- Secretary to communicate with participating organizations and to incorporate feedbacks as much as possible into the draft to be tabled at the CWP-23 for further discussion.

6.5 Other business – CWP-23

- Meeting agreed to skip the session in 2009. The CWP-23 should be held in Feb. 2010 in Hobart, Australia. Secretary to consult with participating organizations on the consideration come out for approval. Time for response should be within 30 days after announcement.

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Appendix 2: Progress report -- Revision of the CWP Handbook of Fishery Statistical Standards (December 2008)

The CD-ROM contains the various sections of the CWP Handbook in their form as of 30 November 2008.

The sections are in the same order as they appear in the on-line version on the FAO website. A major revision of this presentation is foreseen in the final version of the revised Handbook but this would involve substantial changes in the links between the sections and annexes and has been delayed until the contents of the sections has been finalized.

The following are the comments on each of the sections.

Section I: The CWP

Annex Ia: Members of the CWP

Annex Ib: Statutes of the CWP

Annex Ic: CWP Rules of Procedure

Annex Id: CWP sessions: venues and reports.

(Note: this section and the annexes will be moved towards the end of the Handbook.)

Section II: Catches and Landings

This section has been revised mainly in terms of presentation; not content.

Annex IIa: Catch concepts: diagrammatic representation in English

~~**Annex IIb: Catch concepts: diagrammatic representation in French**~~ Deleted

~~**Annex IIc: Catch concepts: diagrammatic representation in Spanish**~~ Deleted

Section III: Nationality *Unchanged*

Section IV: Country or Areas *Unchanged.*

Annex IVa: List of countries or area by multi-lingual name *Minor updating*

Annex IVb: List of countries or area by ISO 2-alpha name *Minor updating.*

Section V: Time units *Unchanged*

Section VI: Currencies and Funds *Unchanged*

Annex VIa: List of currencies sorted by currency codes and country or area multilingual name *Up-dated*

Annex VIb: List of currencies sorted by country or area multilingual name *Up-dated*

Section VII: Fishing areas for statistical purposes. *Unchanged*

Section VIII: Fishing areas for statistical purposes: FAO Major Fishing Areas *Unchanged*

Annex VIIIa: Current map of FAO Major Fishing Areas *Unchanged*

~~Section IX: Fishing areas for statistical purposes: historic fishing area maps.~~

This section and annexes have been deleted. With data available in FISHSTAT Plus format consultation of the volumes of the FAO Yearbook will be very infrequent.

~~**Annex IXa: Major Fishing Area 04 - Asia - Inland Waters - (Yearbook of fishery statistics - volume 84 - 1997)**~~ Deleted (see above)

~~**Annex IXb: Major Fishing Area 05 - Europe - Inland Waters - (Yearbook of fishery statistics - up to volume 84 - 1997)**~~ Deleted (see above)

~~**Annex IXc: Chart used in 'Yearbook of fishery statistics': volumes VI(1956), VII(1957), IX(1959), XII(1960), XIV(1961), XV(1962)**~~ Deleted (see above)

~~**Annex IXd: Chart used in 'Yearbook of fishery statistics': volume 16(1963)**~~ Deleted (see above)

~~**Annex IXe: Chart used in 'Yearbook of fishery statistics': volumes 18(1964), 20(1965)**~~ Deleted (see above)

~~**Annex IXf: Chart used in 'Yearbook of fishery statistics': volumes 22(1966), 24(1967), 26(1968), 28(1969)**~~ Deleted (see above)

- ~~Annex IXg: Chart used in 'Yearbook of fishery statistics': volume 30(1970)
Deleted (see above)~~
- ~~Annex IXh: Chart used in 'Yearbook of fishery statistics': volumes 32(1971), 34(1972),
36(1973), 38(1974), 40(1975) Deleted (see above)~~
- ~~Annex IXi: Chart used in 'Yearbook of fishery statistics': volumes 42(1976), 44(1977),
46(1978) Deleted (see above)~~
- ~~Annex IXj: Chart used in 'Yearbook of fishery statistics': volumes 48(1979), 50(1980),
52(1981) Deleted (see above)~~
- ~~Annex IXk: Chart used in 'Yearbook of fishery statistics': volumes 54(1982), 56 (1983),
58(1984), 60(1985), 62(1986), 64(1987), 66(1988), 68(1989), 70(1990), 72(1991),
74(1992), 76(1993), 78(1994), 80(1995), 82(1996), 84(1997) Deleted (see
above)~~
- ~~Annex IXl: Chart used in 'Yearbook of fishery statistics': volume 86/1(1998)
Deleted (see above)~~
- ~~Annex IXm: Chart used in 'Yearbook of fishery statistics': volumes 88/1(1999),
90/1(2000) Deleted (see above)~~
- ~~Annex IXn: Major Fishing Area 51 - Indian Ocean, Western (Yearbook of fishery
statistics - up to volume 86/1(1998) and possible subareas) Deleted (see
above)~~
- ~~Annex IXo: Major Fishing Area 57 - Indian Ocean, Eastern (Yearbook of fishery
statistics - up to volume 86/1(1998) and possible subareas) Deleted (see
above)~~
- ~~Annex IXp: Major Fishing Area 57 - Indian Ocean, Eastern - (Yearbook of fishery
statistics - from volume 88/1(1999) to volume 90/1(2000) and possible subareas)
Deleted (see above)~~
- ~~Annex IXq: Major Fishing Area 58 - Indian Ocean, Antarctic - (before splitting of
division 58.4.3) Deleted (see above)~~
- ~~Annex IXr: Major Fishing Area 71 - Pacific, Western Central (Yearbook of fishery
statistics - up to volume 90/1(2000)) Deleted (see above)~~

Section X: Fishing areas for statistical purposes: current fishing area maps.

No changes (except to certain annexes)

- Annex X01: FAO Major Fishing Area 01: Africa (Inland waters) *No changes.*
- Annex X02: FAO Major Fishing Area 02: North America (Inland waters) *No changes.*
- Annex X03: FAO Major Fishing Area 03: South America (Inland waters) *No changes.*
- Annex X04: FAO Major Fishing Area 04: Asia (Inland waters) *No changes.*
- Annex X05: FAO Major Fishing Area 05: Europe (Inland waters) *No changes.*
- Annex X06: FAO Major Fishing Area 06: Oceania (Inland waters) *No changes.*
- Annex X08: FAO Major Fishing Area 08: Antarctica (Inland waters) *No changes.*
- Annex X18: FAO Major Fishing Area 18: Arctic Sea *No changes.*
- Annex X21: FAO Major Fishing Area 21: Northwest Atlantic *No changes.*
- Annex X27: FAO Major Fishing Area 27: Northeast Atlantic
Recent changes to ICES sub-divisions have been incorporated.
- Annex X31: FAO Major Fishing Area 31: Western Central Atlantic *No changes.*
- Annex X34: FAO Major Fishing Area 34: Eastern Central Atlantic *No changes.*
- Annex X37: FAO Major Fishing Area 37: Mediterranean and Black Seas
Geographical Sub-Areas have been incorporated.
- Annex X41: FAO Major Fishing Area 41: Southwest Atlantic *No changes.*
- Annex X47: FAO Major Fishing Area 47: Southeast Atlantic
Situation with regard to the SEAFO divisions has to be determined
- Annex X48: FAO Major Fishing Area 48: Atlantic Ocean (Antarctic) *No changes.*
- Annex X51: FAO Major Fishing Area 51: Western Indian Ocean *No changes.*
- Annex X57: FAO Major Fishing Area 57: Eastern Indian Ocean *No changes.*
- Annex X58: FAO Major Fishing Area 58: Indian Ocean (Antarctic) *No changes.*
- Annex X61: FAO Major Fishing Area 61: Northwest Pacific *No changes.*
- Annex X67: FAO Major Fishing Area 67: Northeast Pacific *No changes.*
- Annex X71: FAO Major Fishing Area 71: Western Central Pacific *No changes.*
- Annex X77: FAO Major Fishing Area 77: Eastern Central Pacific *No changes.*
- Annex X81: FAO Major Fishing Area 81: Southwest Pacific *No changes.*
- Annex X87: FAO Major Fishing Area 87: Southeast Pacific *No changes.*

Annex X88: FAO Major Fishing Area 88: Pacific Ocean (Antarctic)*No changes.***Section XI: Fishing areas for statistical purposes: proposed versions.**

Should these proposals be included? If so then the current situation of these proposals has to be added. Proposals that have been rejected should be deleted. Areas in use by national organizations should be deleted? Some of the proposals are already in use by non-CWP agencies: should they be included and, if so, where?

Annex XIa: Pacific Ocean*Current status?***Annex XIb: Atlantic, Western Central. Possible subareas and divisions of major fishing area 31.***Current status?***Annex XIc: Indian Ocean. Possible modification to boundary between areas 47 and 51.***Current status?***Annex XId: Indian Ocean, Eastern; Pacific, Western Central. Possible modification to boundary between areas 57 and 71.***Current status?***Annex XIe: Indian Ocean, Eastern; Pacific, Southwest. Possible modification to boundary between areas 57 and 81.***Current status?***Annex XI f: Statistical area/division of the Bering Sea Region used by the Pacific Commission.***Current status?***Annex XIg: Pacific Ocean proposed by Tuna Commissions***Current status?***Annex XIh: Statistical area/division of the North East Pacific Region used by the North Pacific Commission.***To be included?***Annex XIj: Statistical area/division of the State of Alaska in use by USA.***To be deleted?***Annex XIk: Reporting Areas for the Pacific Halibut fisheries used by the International Pacific Halibut Commission.***To be included?***Annex XII: Reporting Areas around Alaska used by USA NMFS.***To be deleted?***Annex XI m: Pacific, North subareas proposed by FAO in 1988 in respect of major fishing area 61 and 67.***Current status?***Annex XI n: Pacific, Western Central possible subareas of major fishing area 71.***Current status?***Annex XI o: Possible modification to area 71 (Western Central Pacific) to create new area 74 and reduce area 71.***Current status?***Annex XI p: Pacific, Southwest; possible subareas of major fishing area 81.***Current status?***Annex XI q: Indian Ocean, Eastern; Pacific, Southwest; possible modification to boundary between areas 57 and 81.***Current status?***Annex XI r: Statistical area/division of the state of Washington, Oregon and California, used by the North Pacific Commission for Salmon Fisheries.***Current status?***Annex XI s: Pacific, Northwest; Pacific, Western Central; possible modification to boundary between areas 71 and 61 and 74 (enlargement).***Current situation?***Annex XI t: Geographical Statistical Areas proposed by General Fisheries Commission for the Mediterranean***Deleted because incorporated in Annex X37***Annex XI u: Proposed boundaries of new statistical divisions and sub-divisions for Area 47***Situation with regard to SEAFO divisions to be clarified (incorporated in Annex X47?).***Section XII: Conversion factors from landed weight to nominal catch.***Minor changes.***Annex XII a: Indicative factors for converting product weight to the live weight equivalent for a selection of fishery commodities***What is the source of these factors?***Section XIII: Aquaculture.**

Work has still to be done on this section (by CWP Aquaculture?). Alternative definitions from recent revised EU legislation and from FAO Aquaculture Glossary have been indicated.

Annex XIII a: Classification proposed for various aquaculture and capture fishery practices.*Unchanged but to be reviewed by CWP Aquaculture.***Section XIV: Fishers.***Unchanged***Annex XIV a: International Standard Classification of Fishery Workers, Hunters and Trappers***Unchanged*

Section XV: Fishery fleet.

This section has been revised to include, for example, the use of fishery fleet registers. Annexes in the current CWP Handbook on the FAO web-site which have not been approved by the CWP have been deleted.

Annex XVa: International Standard Statistical Classification of Fishery Vessels (ISSCFV) by vessel type. *Unchanged*

Annex XVb: International Standard Classification of Fishery Vessels by tonnage classes *Unchanged*

Annex XVc: Dimensions of fishing vessels *An added annex.*

Annex XVd: International Standard Statistical Classification of Fishery Vessels by Length Classes *Unchanged.*

Section XVI: Fishing gear classification. *Unchanged.*

Annex XVIa: International Standard Statistical Classification of Fishing Gears *Unchanged.*

Section XVII: Fishing effort.

This section has been revised to remove emphasis placed on submission of effort data on STATLANT B questionnaires

Annex XVIIa: Selected combinations of gear and effort. *Minor changes.*

Section XVIII: Sources of statistical data.

Previously this section only dealt with log-books as data sources. It has now been revised to include other sources of data. However further input is required for certain data sources (e.g. VMS, scientific data).

Section XIX: Supply balance sheets on apparent consumption. *Only minor revisions.***Section XX: Methodology.** *Paragraphs on methodological reports has been added.***Section XXI: Fishery commodities classification.**

Unchanged but should the detailed Annex XXIb be included?

Annex XXIa: International Standard Statistical Classification of Fishery Commodities (ISSCFC) (in use until 1983) *See above.*

Annex XXIb: International Standard Statistical Classification of Fishery Commodities (ISSCFC) *See above.*

Section XXII: Identifiers for aquatic animals and plants.

This text has been subject to minor revisions and additions.

Annex XXIIa: The former International Standard Statistical Classification of Aquatic Animals and Plants (ISSCAAP) used up to 1999 *Unchanged*

Annex XXIIb: The current International Standard Statistical Classification of Aquatic Animals and Plants (ISSCAAP) in use from 2000 *Unchanged*

Annex XXIIc: List of species items for which statistics are reported to CWP member agencies.

A new annex which lists 1,728 species items (out of 10,685 items in the ASFIS file) for which statistics exist with CWP agencies.

Section XXIII: STATLANT, STATPAC and FISHSTAT systems of questionnaires. *Unchanged*

Annex XXIIIa: FAO statistical questionnaires for reporting fisheries data *Reformatted and deadlines added.*

Section XXIV: List of FAO Yearbooks of Fishery Statistics. *Deleted.***Section XXV: Acronyms** *To be checked and, if necessary, updated.***Section XXVI: Sustainability indicators for fisheries.** *To be drafted.*

Section XXVII: Socio-economic indicators for fisheries. To be drafted.

Appendix 2. Proposed modifications of ISSCFV developed by FAO/ICES Fishing Gear Working Group.

Gear Categories	Standard Abbreviations		ISSCFG	
	Current	New	Current	New
SURROUNDING NETS			01.0.0	01.0.0
Purse-seines	PS		01.1.0	OMIT
One-boat-operated purse-seines	PS1	PS1	01.1.1	01.1.0
Two-boat-operated purse-seines	PS2	PS2	01.1.2	01.2.0
Surrounding net without purseline	LA	PSL	01.2.0	01.3.0
Surrounding nets (not specified)		PS	ADD	01.9.0
SEINES			02.0.0	02.0.0
Beach-seines	SB	SNB	02.1.0	02.1.0
Boat-seines	SV	SNV	02.2.0	02.2.0
Danish seine			02.2.1	OMIT
Scottish seine			02.2.2	OMIT
Pair seine			02.2.3	OMIT
Seine nets (not specified)	SX	SN	02.9.0	02.9.0
TRAWLS			03.0.0	03.0.0
Bottom trawls			03.1.0	OMIT
Beamtrawls	TBB	TBB	03.1.1	03.1.0
Single bottom ottertrawls	OTB	OTB	03.1.2	03.2.0
Bottom pairtrawls	PTB	PTB	03.1.3	03.5.0
Nephrops trawls			03.1.4	OMIT
Shrimp trawls			03.1.5	OMIT
Twin bottom ottertrawls		OTT	ADD	03.3.0
Multiple bottom ottertrawls		OTP	ADD	03.4.0
Bottom trawls (not specified)	TB		03.1.9	OMIT
Midwater trawls			03.2.0	OMIT
Single-boat midwater trawls	OTM	OTM	03.2.1	03.6.0
Midwater pairtrawls	PTM	PTM	03.2.2	03.7.0
Shrimp trawls			03.2.3	OMIT
Midwater trawls (not specified)	TM		03.2.9	OMIT
Otter twin trawls			03.3.0	OMIT
Otter trawls (not specified)			03.4.9	OMIT
Pair trawls (not specified)			03.5.9	OMIT
Semi-pelagic trawls		TSP	ADD	03.8.0
Other trawls (not specified)	TX	TW	03.9.0	03.9.0
DREDGES		DR	04.0.0	04.0.0
Boat dredges	DRB		04.1.0	OMIT
Towed boat dredges		DRT	ADD	04.1.0
Mechanized boat dredges		DRM	ADD	04.2.0
Hand dredges	DRH	DRH	04.2.0	04.3.0
Dredges (not specified)		DRX	ADD	04.9.0
LIFTNETS			05.0.0	05.0.0
Portable hand liftnets	LNP	LNP	05.1.0	05.1.0
Boat-operated liftnets	LNB	LNB	05.2.0	05.2.0
Stationary liftnets	LNS	LNS	05.3.0	05.3.0
Liftnets (not specified)	LN	LN	05.9.0	05.9.0
FALLING GEARS			06.0.0	06.0.0
Castnets	FCN	FCN	06.1.0	06.1.0
Cover pots/Lantern nets		FLN	ADD	06.2.0
Falling gear (not specified)	FG	FG	06.9.0	06.9.0

Gear Categories	Standard Abbreviations		ISSCFG	
	Current	New	Current	New
GILLNETS AND ENTANGLING NETS			07.0.0	07.0.0
Set gillnets	GNS	GNS	07.1.0	07.1.0
Driftnets	GND	GND	07.2.0	07.2.0
Encircling gillnets	GNC	GNC	07.3.0	07.3.0
Fixed gillnets (on stakes)	GNF	GNF	07.4.0	07.4.0
Trammelnets	GTR	GTR	07.5.0	07.5.0
Combined gillnets-trammelnets	GTN	GTN	07.6.0	07.6.0
Gillnets and entangling nets (not specified)		GN	ADD	07.9.0
Gillnets (not specified)	GN		07.9.1	OMIT
TRAPS			08.0.0	08.0.0
Stationary uncovered poundnets	FPN	FPN	08.1.0	08.1.0
Pots	FPO	FPO	08.2.0	08.2.0
Fykenets	FYK	FYK	08.3.0	08.3.0
Stownets	FSN	FSN	08.4.0	08.4.0
Barriers, fences, weirs, etc	FWR	FWR	08.5.0	08.5.0
Aerial traps	FAR	FAR	08.6.0	08.6.0
Traps (not specified)	FX	FX	08.9.0	08.9.0
HOOKS AND LINES			09.0.0	09.0.0
Handlines and hand operated pole-and-jig-lines fishing	LHP	LHP	09.1.0	09.1.0
Mechanized lines and pole-and-jig-lines fishing	LHM	LHM	09.2.0	09.2.0
Set longlines	LLS	LLS	09.3.0	09.3.0
Drifting longlines	LLD	LLD	09.4.0	09.4.0
Set vertical lines		LVS	ADD	09.5.0
Trolling lines	LTL	LTL	09.6.0	09.6.0
Hooks and lines (not specified)	LX	LX	09.9.0	09.9.0
OTHER GEARS			10.0.0	10.0.0
Harpoons	HAR	HAR	10.1.0	10.6.0
Wrenching gear		OGW	ADD	10.1.0
Clamps		OGC	ADD	10.2.0
Rakes		OGR	ADD	10.3.0
Tongs		OGT	ADD	10.4.0
Spears		OGS	ADD	10.5.0
Electric fishing		OGE	ADD	10.7.0
Pushnets		OPN	ADD	10.8.0
Scoopnets		OSN	ADD	10.9.0
Drive-in nets		ODN	ADD	10.10.0
Pumps		OGP	ADD	10.11.0
Diving		ODI	ADD	10.12.0
HARVESTING MACHINES			11.0.0	OMIT
MISCELLANEOUS	MIS	MIS	20.0.0	20.0.0
RECREATIONAL FISHING GEAR			25.0.0	OMIT
NOT CODED FISHING GEARS	NK	NK	99.0.0	99.0.0