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**Our Ref: L.27/ACB/RF/hgj**

16 February 2016

**Subject: Data call 2016: Landings, discards, biological sample and effort data from 2015 in support the ICES fisheries advice in 2016.**

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Dear Reader,

Please find enclosed a document describing the rationale, scope and technical details of the data call for 2016 update stock assessments. Also, enclosed are four annexes with additional information.

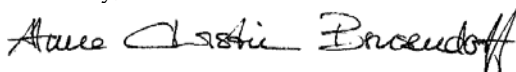
The data will be used by ICES expert groups contributing to the advisory process addressing request for advice on fisheries, and fish and shellfish stocks from ICES advice recipients.

For countries which are also EU members this data call is under the Council Regulation (EC) No 199/2008 and No 665/2008.

For questions about the content of the data call, please contact: [advice@ices.dk](mailto:advice@ices.dk). For support concerning InterCatch issues please contact: [InterCatchsupport@ices.dk](mailto:InterCatchsupport@ices.dk). For questions on data submission, please contact: [accessions@ices.dk](mailto:accessions@ices.dk).

Data for elasmobranch are not included in this call. ICES is planning a specific data call for elasmobranchs.

Sincerely,



Anne Christine Brusendorff

General Secretary

**CC:** Colm Lordan (WGCSE chair), Youen Vermard (WGMIXFISH-ADVICE chair), Gjert Endre Dingsør (AFWG chair), Niels Hitzen (HAWG chair), Rasmus Hedeholm (NWWG chair), Tomas Groehsler (WGBFAS co-chair), Michele Casini (WGBFAS co-chair), Pascal Lorange (WGDEEP co-chair), Gudmudur Thordarson (WGDEEP co-chair), Lionel Pawlowski (WGHANSA chair), Lisa Readdy (WGBIE chair), Alexander Kempf (WGNSSK co-chair), Jose Oliveira (WGNSSK co-chair); Katja Enberg (WGWIDE chair); Venetia Kostopoulou (DG-Mare, DCF); Bas Drukker (DG-Mare, DCF)

## Fisheries Data Call 2016

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## ***Data call: Data submission for ICES fisheries advisory work***

### **1. Scope of the Data call**

ICES Member Countries are requested to provide landings\*, discards\*, biological data and effort data from 2015 and other supporting information for a list of fish and shellfish stocks. For some species countries should also submit landings below minimum size and logbook registered discard. Those species are under HAWG, NWWG, WGBFAS, and WGWIDE and relevant details are specified further under section 10.

All countries having catch data on the requested stocks should submit data even if not listed on the data request spreadsheets (Annex 1). The countries listed on the data request spreadsheets were identified based on previous year catches and therefore new fisheries (in 2015) are not detected but should also be reported.

Data to be used by WGEF (Working Group on Elasmobranch Fisheries) will be requested through a separate data call in the upcoming months.

Data on nop-34 (Norway pout (*Trisopterus esmarkii*) in Subarea IV and Division IIIa (North Sea, Skagerrak, and Kattegat) will be requested through a separate data call in the upcoming weeks to support the benchmark workshop on Norway pout (WKPout).

*This Data call follows the principles of personal data protection as referred to in paragraph (16) of the preamble in Council Regulation (EC) No 199/2008.*

### **2. Deadline**

ICES requests the data to be delivered by a specific date to provide enough time for additional quality assurance prior to the Working Group meeting. See Table 1 for the data submission deadline. **Missing the reporting deadline will compromise the indispensable data quality checking (on a stock basis) before the use of that data to update assessments.**

The deadlines (see Table 1) do not apply for the survey data, it is expected that survey data will be sent to [accessions@ices.dk](mailto:accessions@ices.dk) prior to the assessment expert group meeting.

**Table 1. Data submission deadline for ICES expert groups and respective chair contact.**

EXPERT GROUP (EG)	CHAIR OF THE EG	EMAIL ADDRESS	DATA SUBMISSION DEADLINE
AFWG	GJERT ENDRE DINGSØR	<a href="mailto:GJERTED@IMR.NO">GJERTED@IMR.NO</a>	08.04.2016
HAWG	NIELS HINTZEN	<a href="mailto:NIELS.HINTZEN@WUR.NL">NIELS.HINTZEN@WUR.NL</a>	16.03.2016
NWWG	RASMUS HEDEHOLM	<a href="mailto:RAHE@NATUR.GL">RAHE@NATUR.GL</a>	05.04.2016
WGBFAS	TOMAS GROEHSLE MICHELE CASINI	<a href="mailto:TOMAS.GROEHSLE@TI.BUND.DE">TOMAS.GROEHSLE@TI.BUND.DE</a> <a href="mailto:MICHELE.CASINI@SLU.SE">MICHELE.CASINI@SLU.SE</a>	15.03.2016
WGBIE	LISA READDY	<a href="mailto:LISA.READDY@CEFAS.CO.UK">LISA.READDY@CEFAS.CO.UK</a>	06.04.2016
WGCSE	COLM LORDAN	<a href="mailto:COLM.LORDAN@MARINE.IE">COLM.LORDAN@MARINE.IE</a>	12.04.2016

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\* Throughout the present document, the term “landings” includes BMS (Below Minimum Size) landings and the term “discards” includes logbook registered discards (see section 10).

EXPERT GROUP (EG)	CHAIR OF THE EG	EMAIL ADDRESS	DATA SUBMISSION DEADLINE
WGDEEP	PASCAL LORANCE & GUDMUNDUR THORDARSON	<a href="mailto:PASCAL.LORANCE@IFREMER.FR">PASCAL.LORANCE@IFREMER.FR</a> <a href="mailto:GUDTHOR@HAFRO.IS">GUDTHOR@HAFRO.IS</a>	29.03.2016
WGHANSA	LIONEL PAWLOWSKI	<a href="mailto:LIONEL.PAWLOWSKI@IFREMER.FR">LIONEL.PAWLOWSKI@IFREMER.FR</a>	01.06.2016
WGMIXFISH-ADVICE	YOUEN VERMARD	<a href="mailto:YOUEN.VERMARD@IFREMER.FR">YOUEN.VERMARD@IFREMER.FR</a>	02.05.2016
WGNSSK	ALEXANDER KEMPF & JOSÉ DE OLIVEIRA	<a href="mailto:ALEXANDER.KEMPF@TL.BUND.DE">ALEXANDER.KEMPF@TL.BUND.DE</a> <a href="mailto:JOSE.DEOLIVEIRA@CEFAS.CO.UK">JOSE.DEOLIVEIRA@CEFAS.CO.UK</a>	12.04.2016
WGWIDE	KATJA ENBERG	<a href="mailto:KATJA.ENBERG@IMR.NO">KATJA.ENBERG@IMR.NO</a>	29.07.2016

### 3. Data submission

ICES Member Countries are requested to supply data from 2015 as specified on the Working Groups' data request spreadsheets (Annex 1) to InterCatch, to ICES Secretariat via email ([accessions@ices.dk](mailto:accessions@ices.dk)) or both.

The list of species and stocks, for which data should be submitted, together with the information on the area descriptions and Working Group (WG) chairs' contact details are given in Annex 1 in separate sheets.

ICES aims at maintain stable definitions over the years of species – stock – metier combinations to facilitate raising data at the institute level.

For stocks where discard data have been submitted earlier to InterCatch, the 2015 data should be also submitted to InterCatch (Annex 1).

If the format for submission of accession data (Annex 1) is not specified further through the provided templates (Annex 1-3), the format should be the same as used in previous data calls and previous years (if anything is unclear please contact [accessions@ices.dk](mailto:accessions@ices.dk)).

If corrections for earlier years need to be made, inform the Expert Group chair and [advice@ices.dk](mailto:advice@ices.dk) (see e-mail contact details in Table 1 and Annex 1). A full corrected set of data may need to be uploaded.

Biological sample data should ONLY be uploaded to InterCatch if requested in Annex 1 (marked with "IC").

If data on both age and length are requested, please upload only the biological sample data (age OR length) which is marked with "IC" in Annex 1 to InterCatch, while the other sample data must be submitted to [accessions@ices.dk](mailto:accessions@ices.dk).

Data emailed to [accessions@ices.dk](mailto:accessions@ices.dk) should have subject and filename as follows:

**"2016 DC [expert group] [stock code/stock codes] [country] [type of data]"**

(example: 2016 DC WGBFAS her-riga LV landings)

ICES Secretariat will forward the data file to the stock coordinator and the Working Group chair.

#### 4. Unspecified and dominant metiers

Unspecified data accounting all together for less than 10 % of catches and effort, can be coded into a miscellaneous group named either MIS\_MIS\_0\_0\_0\_HC (Miscellaneous Human Consumption) or MIS\_MIS\_0\_0\_0\_IBC (Miscellaneous Industrial By-Catch). However, this métier aggregation label hinders the ability to effectively model the fishery interactions and whenever possible its use should be minimised. Particularly, distinctions should be made in relation to mesh size ranges (70-99mm vs. ≥100mm) and gear types (OTB vs. other rig trawls such as OTT). If aggregations into dominant metiers are submitted, these should be clearly stated in the InfoStockCoordinator information text (field number 23 in the import file to InterCatch). If the data has been requested by WGMIXFISH please refer to section 17.3 of this document.

#### 5. Limited metiers allowed for specific areas

The expert groups WGCSE, WGNSSK, WGBIE and WGMIXFISH-ADVICE allow only specific *metiers* in specific areas (see Appendix 1, 2 and 3).

#### 6. Species classifications

ICES Member Countries should check species classifications (i.e. target assemblages, such as demersal, pelagic, shellfish) and that the thresholds used to identify DCF level 5 target species are consistent between nations, particularly DEF (Demersal Fish) and CRU (Crustacean) classifications.

#### 7. NEAFC Areas

For stocks with catches inside and outside the NEAFC regulatory area catches taken inside or outside the NEAFC area should be identified by using the correct NEAFC area (e.g. specifying VIIk1, VIIk2 vs. VIIk only, or specifying VIb1, VIb2, vs. VIb only). This is particularly relevant for deep water and widely distributed stocks.

#### 8. Recreational fisheries data

Recreational fisheries should not be included as commercial landings, even if this has been the case in former years. The data should be submitted via email to [accessions@ices.dk](mailto:accessions@ices.dk). The respective Working Group chair (see e-mail addresses in Table 1) and ICES Secretariat ([accessions@ices.dk](mailto:accessions@ices.dk)) should be informed.

#### 9. How to report to InterCatch

The InterCatch formatted national data should be imported into InterCatch, which is available at this link: <https://intercatch.ices.dk/Login.aspx>.

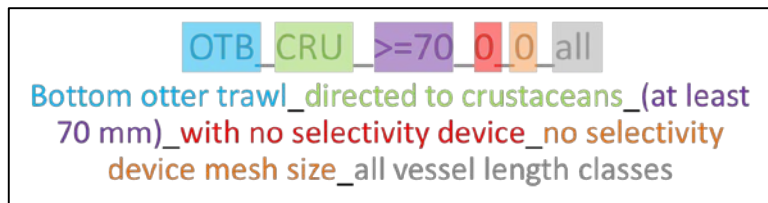
Please see the 'InterCatch Exchange Manuals' on the ICES website for information on the required exchange format and used codes at <http://www.ices.dk/marine-data/data-portals/Pages/InterCatch.aspx>. An overview of the data fields used in the InterCatch exchange format are detailed in Annex 4.

Area-disaggregated catch data should be submitted to InterCatch in a consistent manner between Data Calls. If area aggregations must be made it should be clearly stated in the InfoStockCoordinator information text field (number 23 in the import file to InterCatch). Aggregations should not be beyond the assessment area of individual stocks.

The following text will focus on the codes used for the field "Fleet", which in general is referred to as "*metier*". The *metiers* for each Working Group are listed in Annex 1 (sheet "IC Metier tags"). If a *metier*

needed is not available in InterCatch, please contact the Working Group chair (see email address in Table 1).

The *metier* tag entries closely follow the naming convention used for the EU Data Collection Framework (DCF). Below is an explanation of the *metier* tag elements; an underscore separates each of the elements (Figure 1).



**Figure 1.** Explanation of the *metier* tag elements; an underscore separates each of the elements.

Landings and effort data by *métier* should be submitted to InterCatch in a consistent manner between Data Calls.

#### Metier tag elements

1. **GEAR TYPE** (gear types available under the DCF are shown in [2010/93/EU](#) Appendix IV). Note that WGCSE, WGNSSK and WGBIE allow only specific *metiers* in specific areas (see Appendix 1, 2, 3).
2. **TARGET ASSEMBLAGE CODE** (code conforming to target assemblage under the DCF are shown in [2010/93/EU](#) Appendix IV). Data can be aggregated over more than one category but in this case the most significant *metier* code is entered).
3. **MESH SIZE RANGE** (mesh size ranges available under the DCF). If necessary data can be aggregated over more than one category but in this case the most significant mesh size range is entered. Exception to this general rules are cases where, for that gear type, data have been aggregated over all ranges used by a nation. In this case an additional entry "0" can be used (The *metier* should look like e.g. LHM\_DEF\_0\_0\_0. The use of "\_all\_" in this tag element should be avoided).
4. **SELECTIVITY DEVICE** (types of selectivity device available: 0: No selectivity device, 1: Exit window or panel, 2: Grid, 3: Square meshes (T90) under the DCF). See [2010/93/EU](#) Appendix IV.
5. **SELECTIVITY DEVICE MESH SIZE** (if the actual mesh size of any selectivity device is entered, this level is referred to as level 6). Data aggregation over several DCF level 6 categories is possible although should be avoided. In these cases the *metier* tag corresponding to the most significant category can be chosen e.g., a mobile gear with mesh sizes covering 70-119 mm (combining 70-99 and 100-119) but 70-99 mm is most significant code 70-99 will apply. Exceptions to this general rule are cases where data have been aggregated over all mesh size ranges within the national fleet. In these instances the mesh size is omitted and only a *metier* with level 5 (Gear code Target assemblage) is used.
6. **VESSEL LENGTH CLASS** (Member states have been indicated by national sampling scheme designs to not take account of vessel lengths. Therefore the standard entry of "all" or omitted is currently provided for in InterCatch). The option has been left open for length category specific *metier* tags to be added in future years if nations begin to sample and raise data independently for different vessel length categories.

## 10. Catch categories in InterCatch including two new categories

The following species under the relevant Working Groups should also submit data for the two new catch categories; BMS landings and logbook registered discards:

- **HAWG:** Herring, sprat.
- **NWWG:** Capelin.
- **WGBFAS:** Cod.
- **WGWIDE:** Blue whiting, boarfish, herring, horse mackerel, mackerel.

### 10.1. Landing, 'L'

The 'Landing' catch category in InterCatch will cover the landing as it has done previously and it will apply to landings above minimum size.

### 10.2. Discard, 'D'

The 'Discard' catch category in InterCatch will cover the discard as it has done previously and will continue to be used. This is the part of the catch, which is thrown overboard into the sea and not registered in the logbook. This is based on fishery observer estimations.

### 10.3. BMS Landing, 'B' (new)

Relevant for stocks under landing obligation. The BMS landing will consist of fish Below Minimum Size, BMS, and damaged fish.

### 10.4. Logbook Registered Discard, 'R' (new)

Relevant for stocks under landing obligation. Logbook registered discard are discards, which are registered in the logbook and are under the exemption rules (e.g. de minimis). Damaged fish can be included under this Logbook registered discard.

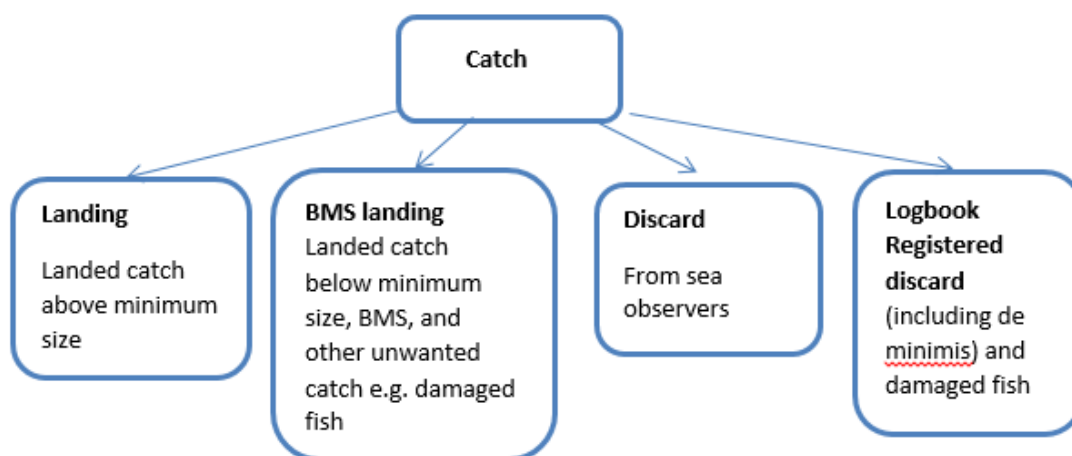
Note that if no entry under "Discard" is made, discards will be raised. Thus, please ensure that no double-counting occurs by:

- entering a zero under the category "Discard" if discards are covered by log-book registered discards.
- entering a zero under "Logbook registered discard" if no (reliable) logbook data are available.
- entering a zero under both "Logbook registered discard" and "Discard" in the case of real zero discards
- giving the observer estimates of discards under "Discard".

**Table 2. Description of catch categories.**

Catch category in InterCatch	Description	Catch category code	Use by stocks	Estimations in IC are possible	Comment
Landing	Landing above minimum size	L	All stocks	No	Landings above minimum size.
BMS Landing	Landing Below	B	Stocks under the	No	This is used for the few species under landing obligation, and

	Minimum Size (BMS) and damaged fish		landing obligation		corresponds to a fraction of the catch that was discarded before. If countries want to make adjustments/estimations of this category, it has to be done before importing the data into InterCatch. Damaged fish can be included under this catch category.
Discard	Discard	D	All stocks	Yes	Fishery observer estimation. If discards are used in the assessment and there is no observed discards, a zero should be entered in InterCatch, so no discard is estimated.
Logbook Registered Discard	Logbook registered discard and damaged fish (including de minimis)	R	Stocks under the landing obligation	No	Discards which are registered in the logbook and are under the exemption rules (e.g. de minimis). Damaged fish can be included under this catch category.



**Figure 2.** Description of the four current catch categories.

### 11. Effort data in InterCatch

Effort is recorded in position 11 of the InterCatch header information. Effort is required in kWdays for all species and areas, with the exception of WGBFAS (WGBFAS specifications are detailed in section 17.4). The effort in InterCatch supports WGMIXFISH which needs effort by metier and not by species. This means, that the effort value should be the same for all species, for a given strata. If landing data and discard data are imported in separated files then effort should only be imported once in the landings data. Effort for the discard data should be indicated with a '-9' (indicating no effort).

## 12. Zero Catch

If there has been no catch for a specific stock from a country that normally will have landings or discard in that area, a value of zero has to be entered as landing to InterCatch, to show that data are not missing. A single import of a zero landing stratum is acceptable (i.e. it is not needed to import zero landing for each strata for which there is a fishery). For this zero landing stratum set (i.e. the area with the most fishery) SeasonType to 'Year' and season to '2015'. This is also relevant for stocks where there has been a fishery, but some quarters or areas have no catches or fishery (e.g. for stocks where there are catches in quarter 1, 2 and 4, a catch of zero should be added for quarter 3).

## 13. Units used

Landings, discards, and biological sampling data: As specified in InterCatch Exchange Format.

Effort (WGNSSK, WGCSE, WGBIE, WGDEEP, WGHANSA): kW days (in InterCatch).

Effort (WGBFAS): see further WGBFAS specifications in Annex 2.

Year must be entered as four digits, e.g. "2015".

## 14. Length and age data to InterCatch

When age or length data are imported it is requested to fill in the following age and length sampling information fields for both landing and discard samples:

- Number samples of length, field: NumSamplesLngt
- Number length measured, field: NumLngtMeas
- Number samples of age, field: NumSamplesAge
- Number age measured, field: NumAgeMeas

The default units of the samples in the record types "NumSamplesLngt" and "NumSamplesAge" of the species data record should be number of hauls; if there is any doubt, contact the working group chair and ICES Secretariat at [InterCatchsupport@ices.dk](mailto:InterCatchsupport@ices.dk). The used unit should be given in the InterCatch species information field named "InfoStockCoordinator". The typical entry could be: "Number of hauls" but it could also be "Number of trips" or "Number of boxes". This information allows between-country comparisons of sampling units.

## 15. Conversions to InterCatch Format

To ease the process of converting the national data into the InterCatch format Andrew Campbell from Ireland has made the conversion tool "InterCatchFileMaker", which converts data manually entered in the 'Exchange format spreadsheet' into a file in the InterCatch format. **Be aware that the tool does not currently support the new catch categories BMS Landings and Logbook registered discards** (see section 10). The conversion tool "InterCatchFileMaker" can be downloaded from the ICES webpage for InterCatch exchange format under 'Format conversion tools' ([link](#)). The download includes a spreadsheet in which the landings and sampling data can be placed; the program then converts the data into the InterCatch format.

- 1) If the "InterCatchFilemaker" conversion program and the exchange format spreadsheet have been used to convert your data to InterCatch format, then the values in the data field "NumSamplesAge" in the InterCatch format file must be entered manually.
- 2) If in some areas and quarters there are only length samples available (age samples are missing), then it is possible to use ALKs from neighboring areas or quarters to calculate CANUM and WECA for "Species Data" records, before importing data to InterCatch. In this case "-9" must be entered in the data fields of "NumSamplesAge" and "NumAgeMeas".

## 16. Contacts

For support concerning InterCatch issues please contact: [InterCatchsupport@ices.dk](mailto:InterCatchsupport@ices.dk).

For questions about the content of the data call, please contact: [advice@ices.dk](mailto:advice@ices.dk)

For questions on data submission, please contact: [accessions@ices.dk](mailto:accessions@ices.dk),

## 17. Expert group specific uploading information

### WGNSSK, WGCSE and WGBIE specification

See WGMIXFISH-ADVICE

#### 17.1. HAWG specification

Herring data that is marked with “AC” in Annex 1 need to be sent by stock in the exchange format specified in the so-called Yellow Sheets (Annex 3).

Remember to also use the new catch categories: BMS landing and logbook registered discard.

#### 17.2. WGDEEP specification

The WGDEEP chair, Gudmundur Thordarson, has developed an R script ‘*icdeep.R*’ that allows to generate one file for each stock (for given nation/year/subdivision) compared to separate files for each fleet. Contact the Chair of the Expert group ([GUDTHOR@HAFRO.IS](mailto:GUDTHOR@HAFRO.IS)) to obtain this file.

#### 17.3. WGMIXFISH-ADVICE specification (WGNSSK, WGCSE, WGBIE)

WGMIXFISH undertakes fleet-based mixed fisheries forecasts, and intends to develop advice for the North Sea, Celtic Sea and Iberian waters in 2016. WGMIXFISH operates both at the level of the DCF *metier*, as explained above, AND at the level of the fleet segment, consistently with the approach for the collection of economic data. In addition WGMIXFISH needs specific information by vessel length categories and disaggregated area. Therefore we kindly request estimates of landings weight totals and effort in a format similar to previous WGMIXFISH Data calls, with the aforementioned parameters specified. Area should be at ICES division level, except for *Nephrops* where the InterCatch code for the relevant Functional Unit should be used (see Annex 1, worksheet “ICES area codes”).

WGMIXFISH doesn’t ask for discard data as these data are available for all *metiers* from the raising procedure done for the single species advice in InterCatch. Data submitters should aggregate discard InterCatch submissions to the level considered most appropriate for national sampling programs. However, consistency is requested in the aggregation level submitted year by year, to allow mapping to WGMIXFISH *metier* level 6 and vessel length data aggregations. It must be accepted that the InterCatch discard submission level will be proportioned out across all underlying metiers and vessel length for use with *metier* level 6 WGMIXFISH landings data (i.e. the assumption of the same discarding and age-distribution in catch will be made by WGMIXFISH). Additional information on discard rates is not needed if estimated discard rates are the same for all vessel length categories within a metier, as this information can be taken from InterCatch. However, if specific discard rates exist for each vessel length category, data submitters should provide differentiated discard estimates in an extra column labelled “discards” (see section 17.3.4. of this document and Annex 1, sheet WGMIXFISH-catch).

##### 17.3.1. WGNSSK: All stocks (2015 data requested)

Provide data by filling the spreadsheets described in section 17.3.4.

### 17.3.2. WGCSE: All stocks (2015 data requested)

Provide data by filling the spreadsheets described in section 17.3.4.

Species catch data should be submitted according to the following: ANF (aggregated ANF, MON, MNZ), COD, HAD, HKE, LEZ (aggregated LEZ, MEG), LIN, NEP, PLE, POK, POL, RJA (aggregated RJC, SKA, RAJ, RJA, RJB, RJC, RJE, RJF, RJH, RJI, RJM, RJN, RJO, RJR, SKA, SKX, SRX), SDV (aggregated DGS, DGH, DGX, DGZ, SDV), SOL, WHG. All remaining catch to be aggregated into an 'OTH' class.

### 17.3.3. WGBIE (2015 data requested)

Provide data by filling the spreadsheets described in section 17.3.4.

Relevant stocks: southern hake (hke-soth), northern hake (hke-nrtn), black anglerfish (anb-78ab), white anglerfish (anp-78ab), black anglerfish (anp-8c9a), white anglerfish (anb-8c9a), megrim (mgw-8c9a), four-spot megrim (mgb-8c9a), megrim (mgw-78).

### 17.3.4. WGMIXFISH-ADVICE Data format

Information on vessel length and *metier* used is kept separately in two columns in the .csv files (Annex 1, sheet WGMIXFISH-effort, sheet WGMIXFISH-catch). **To specify the *metier*, use exactly the same tags as used for InterCatch** (Annex 1, sheet IC Metier tags).

A field is included to specifically flag FDF (Fully Documented Fisheries) Vessels. As some vessels are involved in FDF *metiers* in one area (e.g. North Sea), while being involved in non-FDF *metiers* in another (e.g. West of Scotland), it is important to flag these vessels at the fleet level, and not only at the *metier* level. Please leave the field blank for the non FDF fleet, and write "FDF" for the FDF flagged vessels.

Two comma separated (.csv) files should be provided:

- 1) A single .csv file reporting *metier* and vessel length disaggregated effort;
- 2) A single .csv file reporting *metier* and vessel length disaggregated catch.

Both files should be sent electronically as .csv files to [accessions@ices.dk](mailto:accessions@ices.dk), clearly indicating in the subject of the file name "2016 WGMIXFISH-ADVICE" [country] [*metier\_catch/metier\_effort*]" (example: 2016 WGMIXFISH-ADVICE UKE metier catch).

1.) The CSV 'effort' file (see Annex 1, sheet WGMIXFISH-effort) should be supplied containing the following entries:

ID (Unique identifier), Country, Year, Quarter, InterCatch *Metier* Tag, Vessel Length Category, FDF vessel flag, Area, kW\_Days, Days at Sea, No Vessels

ID	Country	Year	Quarter	InterCatch Metier Tag	Vessel Length Category	FDF vessel	Area	kW_Days	Days At Sea	No Vessels
dnk1	DK	2013	1	OTB_DEF_>=120_0_0_all	<10m		IV	1000	100	10
dnk2	DK	2013	1	OTB_DEF_>=120_0_0_all_FDF	10<24m	FDF	IV	1000	100	10
dnk3	DK	2013	1	OTB_DEF_>=120_0_0_all	10<24m	FDF	Vla	1000	100	10

**Figure 3.** Example of WGMIXFISH-ADVICE CSV 'effort' file.

2.) The CSV 'catch' file (see Annex 1, sheet WGMIXFISH-Catch) should be supplied containing the following entries:

ID (Unique identifier), Country, Year, Quarter, InterCatch *Metier* Tag, Vessel Length Category, FDF vessel flag, Area, Species, Landings (tonnes), Value (average price\*landings at first sale, expressed in Euros), Discards (only if discard rate differs from the one submitted to InterCatch).

ID	Country	Year	Quarter	InterCatchMetierTag	VesselLengthCat	FDFVessel	Area	Species	Landings	Value	Discards
dnk1	DK	2013	1	OTB_DEF_>=120_0__all	<10m		IV	COD	100	1000	
dnk2	DK	2013	1	OTB_DEF_>=120_0__all_FDF	10<24m	FDF	IVb33	NEP	100	1000	
dnk3	DK	2013	1	OTB_DEF_>=120_0__all	10<24m	FDF	IVb33	NEP	100	1000	

**Figure 3.** Example of WGMIXFISH-ADVICE CSV ‘catch’ file.

*Note that:*

- Vessel length splits are only required for metier tags starting with OTB or TBB.
- Vessel length categories are: <10m, 10<24m, 24<40m, >=40m (Please use exactly these codes)
- Sums of effort and landings across metier tags disaggregated by vessel length should equal the corresponding totals submitted to InterCatch.

## 17.4. WGBFAS specifications

National landings processing of cod, flounder, dab, brill, turbot, plaice, herring, sprat and sole (All WGBFAS) stocks.

National BMS landings processing of cod.

National discard data processing of cod, plaice, flounder, dab, brill, turbot and sole.

National logbook registered discard data processing of cod.

### 17.4.1. Data stratifications:

All data should be stratified by:

- Quarter,
- ICES Sub-division,
- Fleet segments to be considered as specified by stock (see Annex 1, IC Metier Tags tab).  
NOT to use “TestA”, “TestB”, “TestC”, “trawl”, “All” or similar.

Particularly,

- for **sprat**, fleet segments to be considered are; "Pelagic trawlers" for all trawl gears and "Passive gears" for all passive gears.
- for **Herring 30**, fleet segments to be considered are; “BOT”, “BT-Fi-Bal”, “GIL”, “Passive gears”, “PEL”, “Pelagic trawl”, “Trapnet”, and “Winter Seine”.

The same stratification should be used for both catch and additional supporting files for a given *stratum*.

### 17.4.2. Data submission formats

When submitting to InterCatch and/or sending to [accessions@ices.dk](mailto:accessions@ices.dk):

Catch (landings, discards):

InterCatch exchange format (HI, SI)

Biological information:

InterCatch exchange format (SD)

Effort (demersal stocks, data year = 2015):	InterCatch exchange format (HI)
Effort (demersal stocks, data year = 2009-2015):	As specified in Figure 6 and Annex 2
Hole filling guideline for demersal stocks:	As specified in Figure 5 and Annex 2

#### 17.4.3. Units for data submission

Numbers (in '000) and mean weight (in grams) by age or length (depending on the stock and according to Annex 1 specifications) per fleet/*metier* (active, passive), quarter, year, Subdivision, country, for landing as well as discards.

#### 17.4.4. Data specification:

- If estimates of recreational fishery are available, then the data should be provided in *Excel* sheets directly to [accessions@ices.dk](mailto:accessions@ices.dk) for the respective stock;
- Discard survival rates **should not** be accounted for by the countries, when uploading the data
- **Landing obligation - cod:** Landing obligation has been mandatory for cod fisheries since 1 January 2015 in the Baltic and a new fraction of cod, the BMS (below minimum reference size) cod, has been introduced. It is very important that Member Countries are aware of this new fraction in the catch when data is raised and uploaded.

InterCatch has included two new catch categories: i) BMS landings and ii) logbook registered discard (see section 10). It is important when Member Countries are uploading data to InterCatch that the four categories are summing up to the total catch. Indicating that if BMS landings are derived from sale slips or other sources then the BMS landings cannot be included in the discard estimate. BMS landings can either be calculated as an estimate from the observer trips or from official registrations such as sale slips, logbooks or landing declarations. Both the landed BMS cod and the discard estimate will be needed for the WGBFAS.

#### 17.4.5. Specifics of data requirements for eastern and western Baltic cod (cod 25–32 and cod 22–24):

Specifics of length/age distribution data in IC:

- For cod in SD 22-23, age distribution data should be uploaded to IC. No length distribution data should be uploaded to IC.
- For cod in SD 24, length distribution data should be provided through [accessions@ices.dk](mailto:accessions@ices.dk) (can be in the form of IC file or an *Excel* spreadsheet). No biological information (no age/length distribution data) should be uploaded to IC.


For Recreational catch from Germany of western Baltic cod (cod-22-24):

- Catch in weight, separately for SD 22 and 24
  - Catch at age in numbers, separately for SD 22 and 24 (age readings originating from SD 22 should only be used. i.e. not age readings from SD 24)
  - Mean weight at age in the catch
- The data should be provided as *Excel* spreadsheets and submitted to [accessions@ices.dk](mailto:accessions@ices.dk).

#### 17.4.6. Hole filling guideline for demersal stocks.

When no discard weight or no biological information is available for discard or landing in a given stratum – hole filling should **not** be conducted by the data submitter but instead raw data should be submitted with guidelines directed to the stock coordinator on how to conduct the data processing. Such guidelines should be submitted to [accessions@ices.dk](mailto:accessions@ices.dk). If no suitable source is available on the national level or the submitter does not have any suggestions, this should also be indicated (see format

description in figure 5 and Annex 2). The guidelines should include information on the source stratum (Sub-div, quarter, fleet) for which data should be used to fill in the data gaps in the target stratum.



Target stratum						Source stratum					
T_Country	T_Year	Gear type	T_Sub-div.	T_Quarter	T_Stock	S_Country	S_Year	Gear type	S_Sub-div.	S_Quarter	S_Stock
DEN	2013	Active	BAL22	3	PLE21-23	DEN	2013	Active	BAL22	4	PLE21-23
	2013						2013				
	2013						2013				
	2013						2013				
	2013						2013				
	2013						2013				
	2013						2013				
	2013						2013				

!!! One data line for each stratum where data gap occurs.

**Figure 5.** Format for hole filling suggestions (provided in Annex 2).

#### 17.4.7. Effort data for demersal stocks:

Effort data should be provided using the respective fields in the HI tables of InterCatch. If using the spreadsheet and then the converter (see section 15) for providing the data, fill in effort data under "Landing". **Be aware that the tool does not currently support the new catch categories BML Landings and logbook registered discards** (see section 10).

The unit for commercial effort is **days-at-sea** and should be aggregated at the same level as the sampling data (i.e. effort per Sub-div, year, quarter and fleet).

Effort **must not** be uploaded raised, adjusted or in a national format, such as "stock wise", "adjusted to cod landings" or "raised by all landings". For demersal stocks Fleet should be "active" or "passive" and include only gears/*metiers* catching demersal stocks in the given area (i.e. no pelagic trawl fishery or freshwater metiers such as crustacean or eel traps).

If prior effort data has been uploaded in another format, these data should be corrected and uploaded to InterCatch. Additionally, to make sure that prior data are updated according to the present data call format, effort data (day-at-sea) back to 2009 should be provided in an *Excel* sheet following the outlined format in Annex 2 and sent directly to the working group chairs and [accessions@ices.dk](mailto:accessions@ices.dk).

Country	Year	Fleet	Area	Quarter	stock	Effort_das
GER	2014	Active	BAL24	1	ple-2432	348
GER	2014	Active	BAL24	2	ple-2432	234
GER	2014	Active	BAL24	3	ple-2432	140
GER	2014	Active	BAL24	4	ple-2432	457
GER	2014	Active	BAL25	1	ple-2432	99
GER	2014	Active	BAL25	2	ple-2432	439

**Figure 6:** Example of effort data (see Annex 2).

**Appendix 1.** Gear coding (as defined under the EU Data Collection Framework), allowed for WGNSSK and WGMIXFISH-ADVICE. Based on information from countries fishing in areas IIIaN, IV and VIId and significant fishing gears.

AREA**	GEAR TYPE	AVAILABLE METIER TAGS FOR FULLY DOCUMENTED FISHERIES ADD “_FDF” AFTER LENGTH CLASS
IIIaN (Skagerrak) and IIIaS (Kattegat) Area Type = SubDiv	Beam trawl	TBB_CRU_16-31_0_0_all
		TBB_DEF_90-99_0_0_all
		TBB_DEF_>=120_0_0_all
	Otter trawl	OTB_CRU_16-31_0_0_all
		OTB_CRU_32-69_0_0_all
		OTB_CRU_32-69_2_22_all
		OTB_CRU_70-89_2_35_all
		OTB_CRU_90-119_0_0_all
		OTB_CRU_90-119_0_0_all_FDF
		OTB_DEF_>=120_0_0_all
		OTB_DEF_>=120_0_0_all_FDF
	Seines	SDN_DEF_>=120_0_0_all
		SDN_DEF_>=120_0_0_all_FDF
		SSC_DEF_>=120_0_0_all
		SSC_DEF_>=120_0_0_all_FDF
	Gill, trammel, drift nets	GNS_DEF_100-119_0_0_all
		GNS_DEF_120-219_0_0_all
		GNS_DEF_120-219_0_0_all_FDF
		GNS_DEF_>=220_0_0_all
		GNS_DEF_all_0_0_all
	Lines	GTR_DEF_all_0_0_all
		LLS_FIF_0_0_0_all
	Others (Human consumption)*	LLS_FIF_0_0_0_all_FDF
		MIS_MIS_0_0_0_HC
	Others (Industrial bycatch)*	MIS_MIS_0_0_0_IBC
IV – (North Sea) Area type = SubArea & VIId (Eastern Channel) Area Type = Div & VIa (for saithe and haddock only) Area Type = Div	Beam trawl	TBB_CRU_16-31_0_0_all
		TBB_DEF_70-99_0_0_all
		TBB_DEF_>=120_0_0_all
	Otter trawl	OTB_CRU_16-31_0_0_all
		OTB_CRU_32-69_0_0_all
		OTB_SPF_32-69_0_0_all
		OTB_CRU_70-99_0_0_all
		OTB_CRU_70-99_0_0_all_FDF
		OTB_DEF_>=120_0_0_all
		OTB_DEF_>=120_0_0_all_FDF
		OTB_DEF_70-99_0_0_all
	Seines	SDN_DEF_>=120_0_0_all
		SDN_DEF_>=120_0_0_all_FDF
		SSC_DEF_>=120_0_0_all
		SSC_DEF_>=120_0_0_all_FDF
	Gill, trammel, drift nets	GNS_DEF_100-119_0_0_all
		GNS_DEF_120-219_0_0_all

AREA**	GEAR TYPE	AVAILABLE METIER TAGS FOR FULLY DOCUMENTED FISHERIES ADD “_FDF” AFTER LENGTH CLASS
		GNS_DEF_120-219_0_0_all_FDF
		GNS_DEF_>=220_0_0_all
		GNS_DEF_all_0_0_all
		GTR_DEF_all_0_0_all
	Lines	LLS_FIF_0_0_0_all LLS_FIF_0_0_0_all_FDF
	Pots and Traps	FPO_CRU_0_0_0_all
	Others (Human consumption)*	MIS_MIS_0_0_0_HC
	Others (Industrial bycatch)*	MIS_MIS_0_0_0_IBC

\* The use of metiers under the MIS\_MIS category should be minimized.

\*\* ICES is in the process of changing area coding from Roman to Arabic numbers (i.e. area VIa will be changed to area 6a)

**Appendix 2.** Gear coding (as defined under the DCF), allowed for WGCSE and WGMIXFISH-ADVICE in specific areas. Note that the vessel length category (currently ‘\_all’) must appear at the end of every *metier* tag except the MIS\_MIS *metier* tags.

AREA**	GEAR TYPE	AVAILABLE METIER TAGS
West of Scotland (VIa) and Rockall (VIb)	Pots and traps	FPO_CRU_0_0_0_all
	Gillnets	GNS_DEF_>=220_0_0_all
	Longline	LLS_FIF_0_0_0_all
	Otter trawl	OTB_CRU_70-99_0_0_all
		OTB_DEF_>=120_0_0_all
		OTB_DEF_100-119_0_0_all
		OTB_DWS_>=120_0_0_all
		OTB_DWS_100-119_0_0_all
		OTB_MOL_>=120_0_0_all
		OTB_MOL_100-119_0_0_all
	Midwater trawl	OTM_DEF_32-69_0_0_all
		OTM_SPF_32-69_0_0_all
	Seines	SSC_SPF_0_0_0_all
	Others (Human consumption)*	MIS_MIS_0_0_0_HC
	Others (Industrial bycatch)*	MIS_MIS_0_0_0_IBC
Irish Sea (VIIa)	Pots and traps	FPO_CRU_0_0_0_all
		FPO_MOL_0_0_0_all
	Gillnets	GNS_DEF_120-219_0_0_all
		GNS_DEF_90-99_0_0_all
	Otter trawl	OTB_CRU_70-99_0_0_all
		OTB_DEF_70-99_0_0_all
		OTB_MOL_70-99_0_0_all
	Beam trawl	TBB_DEF_70-99_0_0_all
West of Ireland (VIIbc) and Celtic Sea slope (VIIjk)	Gillnets	MIS_MIS_0_0_0_HC
		MIS_MIS_0_0_0_IBC
	Otter trawl	OTB_CRU_0_0_0_all
		OTB_CRU_0_0_0_all
		OTB_CRU_0_0_0_all
		OTB_CRU_0_0_0_all
		OTB_CRU_0_0_0_all
		OTB_CRU_0_0_0_all
		OTB_CRU_0_0_0_all
		OTB_CRU_0_0_0_all
	Midwater trawl	OTM_DEF_120-219_0_0_all
		OTM_DEF_120-219_0_0_all
		OTM_DEF_120-219_0_0_all
		OTM_DEF_120-219_0_0_all
		OTM_DEF_120-219_0_0_all
	Others (Human consumption)*	MIS_MIS_0_0_0_HC
		MIS_MIS_0_0_0_IBC

AREA**	GEAR TYPE	AVAILABLE METIER TAGS
	Others (Industrial bycatch)*	MIS_MIS_0_0_0_IBC
Celtic Sea Shelf (VIIIfgh)	Pots and traps	FPO_CRU_0_0_0_all
		FPO_MOL_0_0_0_all
	Gillnets	GNS_DEF_>=220_0_0_all
		GNS_DEF_120-219_0_0_all
		GNS_SPF_10-30_0_0_all
		GTR_DEF_>=220_0_0_all
	Lines	LLS_FIF_0_0_0_all
	Otter trawl	OTB_CRU_100-119_0_0_all
		OTB_CRU_70-99_0_0_all
		OTB_DEF_100-119_0_0_all
		OTB_DEF_70-99_0_0_all
		OTB_DWS_100-119_0_0_all
		OTB_MCD_70-99_0_0_all
		OTB_MOL_100-119_0_0_all
		OTB_MOL_70-99_0_0_all
	Midwater trawl	OTM_DEF_32-69_0_0_all
		OTM_SPF_32-69_0_0_all
	Seines	SSC_SPF_0_0_0_all
		SSC_DEF_100-119_0_0_all
		SSC_DEF_70-99_0_0_all
	Beam trawl	TBB_DEF_70-99_0_0_all
	Others (Human consumption)*	MIS_MIS_0_0_0_HC
	Others (Industrial bycatch)*	MIS_MIS_0_0_0_IBC
Western Channel (VIIe)	Pots and traps	FPO_CRU_0_0_0_all
		FPO_MOL_0_0_0_all
	Gillnets	GNS_CRU_0_0_0_all
		GNS_DEF_>=220_0_0_all
		GNS_DEF_100-119_0_0_all
		GNS_DEF_120-219_0_0_all
		GTR_CRU_0_0_0_all
		GTR_DEF_>=220_0_0_all
		GTR_DEF_120-219_0_0_all
	Lines	LLS_DEF_0_0_0_all
		LLS_FIF_0_0_0_all
	Otter trawl	OTB_CRU_100-119_0_0_all
		OTB_CRU_70-99_0_0_all
		OTB_DEF_100-119_0_0_all
		OTB_DEF_70-99_0_0_all
		OTB_DWS_100-119_0_0_all
		OTB_MOL_100-119_0_0_all
		OTB_MOL_70-99_0_0_all
		OTB_SPF_70-99_0_0_all
	Midwater trawl	OTM_SPF_16-31_0_0
		OTM_SPF_32-69_0_0_all
		OTM_DEF_70-99_0_0_all

AREA**	GEAR TYPE	AVAILABLE METIER TAGS
		OTM_DEF_100-119_0_0_all
	Seines	SSC_SPF_0_0_0_all
		SSC_DEF_70-99_0_0_all
	Beam trawl	TBB_DEF_70-99_0_0_all
	Others (Human consumption)*	MIS_MIS_0_0_0_HC
	Others (Industrial bycatch)*	MIS_MIS_0_0_0_IBC

\* The use of metiers under the MIS\_MIS category should be minimized.

\*\* ICES is in the process of changing area coding from Roman to Arabic numbers (i.e. area VIa will be changed to area 6a)

### Appendix 3. Gear coding (as defined under the DCF), allowed for WGBIE and WGMIXFISH-ADVICE in specific areas.

MÉTIER LEVEL 6	DESCRIPTION
DRB_MOL_0_0_0_all	Boat dredge, molluscs, no selectivity devise, all vessels
FPO_CRU_0_0_0_all	Pots and Traps, Crustaceans, no selectivity device, all vessels
GN_DEF_100-109_0_0_all	Gill nets, demersal fish, mesh size 100-109mm, no selectivity device, all vessels
GNS_DEF_>=100_0_0	Set gillnet, Demersal fish, mesh size more than 100mm, no selectivity device
GNS_DEF_>=220_0_0_all	Set gillnet, Demersal fish, mesh size more than 220mm, no selectivity device, all vessels
GNS_DEF_>=220_0_0_all_FDF	Set gillnet, Demersal fish, mesh size >=220mm, no selectivity device, all vessels, Fully Documented Fisheries
GNS_DEF_100-119_0_0_all	Set gillnet, Demersal fish, mesh size 100-119mm, no selectivity device, all vessels
GNS_DEF_100-219_0_0	Set gillnet directed to demersal fish (100-219 mm)
GNS_DEF_10-30_0_0_all	Set gillnet, Demersal fish, mesh size 10-30mm, no selectivity device, all vessels
GNS_DEF_120-219_0_0_all	Set gillnet, Demersal fish, mesh size 120-219mm, no selectivity device, all vessels
GNS_DEF_120-219_0_0_all_FDF	Set Gillnet, Demersal Fish, Mesh size 120-219, All Vessels, No grid selectivity, Fully Documented Fisheries
GNS_DEF_45-59_0_0	Set gillnet directed to demersal fish (45-59 mm)
GNS_DEF_60-79_0_0	Set gillnet, Demersal fish, mesh size 60-79 mm, no selectivity device
GNS_DEF_80-99_0_0	Set gillnet directed to demersal fish (80-99 mm)
GNS_DEF_all_0_0_all	Set gillnet, Demersal fish, all mesh sizes, no selectivity device, all vessels
GTR_DEF_60-79_0_0	Trammel nets, Demersal fish, mesh size 60-79mm, no selectivity device
GTR_DEF_all_0_0_all	Trammel nets, Demersal fish, all mesh sizes, no selectivity device, all vessels
LHM_DEF_0_0_0	Hand lines directed to demersal fish
LLS_DEF_0_0_0	Set longline directed to demersal fish
LLS_DEF_0_0_0_all	Set longlines, Demersal fish, mesh size not specified, no selectivity device, all vessels.
LLS_FIF_0_0_0_all	Set longlines, Finfish, no selectivity device, all vessels
MIS_DEF_all_0_0_all*	Demersal fisheries, Demersal fish, mesh size any, no selectivity device, all vessels
MIS_MIS_0_0_0_IBC*	Demersal fisheries - Miscellaneous Industrial bycatch
MIS_MIS_All_0_0_All*	Demersal fisheries - Miscellaneous
OTB_CRU_>=70_0_0	Bottom otter trawl directed to crustaceans (at least 70 mm)
OTB_CRU_100-119_0_0_all	Otter trawl, Crustaceans, mesh size 100-119, no selectivity device, all vessels
OTB_CRU_32-69_0_0_all	Otter trawl, Crustaceans and Demersal fish, mesh size 32-69, no selectivity device, all vessels
OTB_CRU_32-69_2_22_all	Otter trawl, Crustaceans, mesh size 32-69, selectivity device - grid 22mm, all vessels
OTB_CRU_70-89_2_35_all	Otter trawl, Crustaceans, mesh size 70-89, selectivity device - grid 35mm, all vessels
OTB_CRU_70-99_0_0	Bottom otter trawl directed to crustaceans (70-99 mm)
OTB_CRU_70-99_0_0_all	Otter trawl, Crustaceans and Demersal fish, mesh size 70-99, no selectivity device, all vessels
OTB_CRU_90-119_0_0_all	Otter trawl, Crustaceans and Demersal fish, mesh size 90-119, no selectivity device, all vessels
OTB_CRU_90-119_0_0_all_FDF	Bottom otter trawl, Crustaceans, mesh Size 90-119, Selectivity Device - none, All vessel types, Fully Documented Fisheries
OTB_CRU_All_0_0_All	Bottom otter trawl, Crustaceans, all mesh sizes, no selectivity devise, all vessel types
OTB_DEF_100-119_0_0	Bottom otter trawl directed to demersal fish (100-119 mm)
OTB_DEF_>=120_0_0_all	Otter trawl, Demersal fish and Crustaceans, mesh size more than 120mm, no selectivity device, all vessels
OTB_DEF_>=120_0_0_all_FDF	Bottom otter trawl, Demersal fish, Mesh Size 120 or greater, Selectivity Device - none, All vessel types, Fully Documented Fisheries

MÉTIER LEVEL 6	DESCRIPTION
OTB_DEF_>=55_0_0	Bottom otter trawl directed to demersal fish (at least 55 mm)
OTB_DEF_>=70_0_0	Bottom otter trawler targeting demersal fish with a mesh size > 70 mm
OTB_DEF_100-119_0_0_all	Bottom otter trawler targeting demersal fish with a mesh size 100-119 mm
OTB_DEF_70-99_0_0	Bottom otter trawl directed to demersal fish (70-99 mm)
OTB_DEF_All_0_0_All	Bottom otter trawl directed to demersal fish, all mesh sizes, no selectivity devise
OTB_MCD_>=55_0_0	Otter trawl, Mixed crustaceans and demersal fish, mesh size more than 55mm, no selectivity device.
OTB_MCF_>=70_0_0	Otter trawler targeting cephalopods and fish
OTB_MOL_70-99_0_0_all	Otter trawl, Molluscs, mesh size 70-99mm, no selectivity device, all vessels
OTB_MPD_>=70_0_0	Bottom otter trawl directed to mixed pelagic and demersal fish (at least 70 mm)
OTB_MPD_>=55_0_0	Bottom otter trawl directed to pelagic and demersal fish (at least 55 mm)
OTB_SPF_32-69_0_0_all	Otter Bottom trawl, Small pelagic fish, 32-69 mm, no selectivity devise, all vessels
OTM_DEF_100-119_0_0_all	Midwater otter trawl, Demersal species, mesh size 100-119mm, no selectivity device, all vessels
OTM_DEF_32-54_0_0_all	Midwater otter trawl, Demersal species, mesh size 32-54mm, no selectivity device, all vessels
OTM_DEF_55-69_0_0_all	Midwater otter trawl, Demersal species, mesh size 55-69mm, no selectivity device, all vessels
OTM_DEF_70-99_0_0_all	Midwater otter trawl, Demersal species, mesh size 70-99mm, no selectivity device, all vessels
OTM_DEF_80-89_0_0_all	Midwater otter trawl, Demersal species, mesh size 80-89mm, no selectivity device, all vessels
OTT_CRU_>=70_0_0	Multi-rig otter trawl directed to crustaceans (at least 70 mm)
OTT_DEF_>=70_0_0	Multi-rig otter trawl directed to demersal fish (at least 70 mm)
OTT_DEF_>=120_0_0_all	Multi-rig otter trawl, demersal fish, mesh size more than 120mm, no selectivity device, all vessels
OTT_DEF_100-119_0_0_all	Multi-rig otter trawl, demersal fish, mesh size 100-119mm, no selectivity device, all vessels
OTT_DEF_16-31_0_0_all	Multi-rig otter trawl, demersal fish, mesh size 16-31mm, no selectivity device, all vessels
OTT_DEF_80-89_0_0_all	Multi-rig otter trawl, demersal fish, mesh size 80-89mm, no selectivity device, all vessels
OTT_DEF_90-99_0_0_all	Multi-rig otter trawl, demersal fish, mesh size 90-99mm, no selectivity device, all vessels
PS_SPF_0_0_0	Purse seine, Small pelagic fish, no selectivity device.
PTB_DEF_>=70_0_0	Bottom pair trawl directed to demersal fish (at least 70 mm)
PTB_DEF_>=120_0_0_all	Pair bottom trawl, demersal fish, mesh size more than 120mm, no selectivity device, all vessels
PTB_DEF_>=70_0_0	Pair bottom trawler targeting demersal fish
PTB_DEF_80-89_0_0_all	Pair bottom trawl, demersal fish, mesh size 80-89mm, no selectivity device, all vessels
PTB_MPD_>=55_0_0	Bottom pair trawl directed to mixed pelagic and demersal fish (at least 55 mm)
PTM_DEF_90-104_0_0	Midwater pair trawl, demersal fish, mesh size 90-104 mm, no selectivity device
SDN_DEF_>=120_0_0_all	Anchored seine, Demersal fish, mesh size more than 120mm, no selectivity device, all vessels
SDN_DEF_>=120_0_0_all_FDF	Anchored Seine, Demersal Fish, Mesh Size 120 or above, Selectivity Device - none, All vessels, Fully Documented Fisheries
SSC_DEF_>=120_0_0_all	Fly shooting seine, Demersal fish, mesh size more than 120mm, no selectivity device, all vessels
SSC_DEF_>=120_0_0_all_FDF	Fly shooting seine, Demersal Fish, Mesh Size 120 or greater, Selectivity Device - none, All vessels, Fully Documented Fisheries
SSC_DEF_100-119_0_0_all	Fly shooting seine, Demersal fish, mesh size 100-119mm, no selectivity device, all vessels.

MÉTIER LEVEL 6	DESCRIPTION
SSC_DEF_80-89_0_0_all	Fly shooting seine, Demersal fish, mesh size 80-89mm, no selectivity device, all vessels.
SSC_DEF_All_0_0_All	Fly shooting seine, , Demersal fish, all mesh sizes, no selectivity, all vessels
TBB_CRU_16-31_0_0_all	Beam trawl, Crustaceans, mesh size 16-31mm, no selectivity device, all vessels
TBB_DEF_<16_0_0_all	Beam trawl, Demersal fish, mesh size 16mm or less, no selectivity device, all vessels
TBB_DEF_>=120_0_0_all	Beam trawl, Demersal fish, mesh size more than 120, no selectivity device, all vessels
TBB_DEF_100-119_0_0_all	Beam Trawl, mesh size 100-119mm
TBB_DEF_70-99_0_0_all	Beam trawl, Demersal fish, mesh size 70-99, no selectivity device, all vessels
TBB_DEF_90-99_0_0_all	Beam trawl, Demersal fish, mesh size 90-99, no selectivity device, all vessels
TBB_DEF_all_0_0_all	Beam trawl, Demersal fish, all mesh sizes, no selectivity, all vessels

\* The use of metiers under the MIS\_MIS category should be minimized.