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Exploration of the Sea

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22 March 2017

Subject: Revision of Data call 2017: Landings, discards, biological sample and effort data from 2016 in support the ICES fisheries advice in 2017.

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Dear Reader,

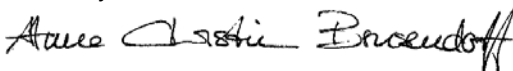
Please find enclosed a document describing the rationale, scope and technical details of the data call for 2017 update stock assessments. Also, enclosed are five annexes with additional information.

The main reason for the revision is to correct some stock codes in annex 1 (affecting only AFWG, WGNSSK and WGWIDE) which had no correspondence with the species lookup table also in annex 1. Other minor corrections and clarifications were implemented in the main text of the data call. For clarity, changes to the previous version of the Data call are written in red in both the main text and annex 1. Please inform data providers of the changes made in order to ensure the right data is provided.

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. For support concerning InterCatch issues please contact: InterCatchsupport@ices.dk. For questions on data submission, please contact: accessions@ices.dk.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne Christine Brusendorff".

Anne Christine Brusendorff

General Secretary

CC: Helen Dobby (WGCSE co-chair), Timothy Earl (WGCSE co-chair), Youen Vermard (WGMIXFISH-ADVICE chair), Daniel Howell (AFWG chair), Niels Hitzen (HAWG chair), Rasmus Hedeholm (NWWG chair), Tomas Gröhsler (WGBFAS co-chair), Michele Casini (WGBFAS co-chair), Pascal Lorance (WGDEEP co-chair), Gudmundur Thordarson (WGDEEP co-chair), Lionel Pawlowski (WGHANSA chair), Lisa Readdy (WGBIE chair), José Oliveira (WGNSSK chair); Gudmundur Oskarsson (WGWIDE chair); Venetia Kostopoulou (DG-Mare, DCF); Bas Drukker (DG-Mare, DCF)

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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, for selected ICES fish and shellfish stocks:

- landings*, discards*, biological and effort data from 2016 and other supporting information;
- for stocks identified in annex 1 with DLS under column " DLS proxy RP"; estimates of length compositions for historic landings and discards from at least the three most recent consecutive years (e.g. 2016, 2015, 2014) alongside data quantity and quality information[†] and supporting information on life history parameters[‡];

For some species, countries should also submit landings below minimum size and logbook registered discard. Those species are under NWWG, WGBFAS, WGNSSK, WGCSE and WGWIDE and relevant details are specified further under section 9.

A list of stocks included in the data call are provided in Annex 1. **All countries having catch or landings data on these stocks should submit data, even if not listed on the data request spreadsheets.** The countries listed on the data request spreadsheets were identified based on previous year catches and therefore new fisheries (in 2016) are not detected but should also be reported.

The requested data will be used by ICES advisory groups involved in the provision of ICES advice.

The current data call only requests data from 2016 for Norway pout in Subarea 4 and Division 3.a. However, changes made to the assessment method during 2016 benchmark require more recent data (2017 Q1 and Q2). ICES is discussing the viability of obtaining the necessary data with national correspondents of member states providing the bulk of the data for this stock.

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. Deadlines

ICES requests the data to be delivered by a working group specific date to provide enough time for additional quality assurance prior to the Working Group meeting. Data submission deadlines for each of the working groups are given in table 1. **Missing the reporting deadline will compromise the indispensable data quality checking (on a stock basis) before the use of that data to update assessments.**

* Throughout the present document, the term "landings" includes BMS (Below Minimum Size) landings and the term "discards" includes logbook registered discards (see section 9).

[†] "Data quality and quantity information" includes a set of simple indicators that will allow ICES Expert Groups to get a general idea on the quantity and quality data submitted. See annex 3 for more details.

[‡] "Supporting information on life history parameters" includes information on specific life history traits, if available, noting that some candidate reference points require input on length at first maturity (L_{mat}), growth parameters (e.g., L_{inf} , K) and M (natural mortality). See annex 4 for more details.

The deadlines in table 1 do not apply to the survey data. It is expected that survey data will be sent to 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	DANIEL HOWELL	DANIEL.HOWELL@IMR.NO	03.04.2017
NWWG	RASMUS HEDEHOLM	RAHE@NATUR.GL	06.04.2017
WGBFAS	TOMAS GRÖHSLER & MICHELE CASINI	TOMAS.GROEHSLER@THUENEN.DE MICHELE.CASINI@SLU.SE	03.04.2017
WGBIE	LISA READDY	LISA.READDY@CEFAS.CO.UK	14.04.17
WGCSE	TIMOTHY EARL & HELEN DOBBY	TIMOTHY.EARL@CEFAS.CO.UK H.DOBBY@MARLAB.AC.UK	18.04.2017
WGDEEP	PASCAL LORANCE & GUDMUNDUR THORDARSON	PASCAL.LORANCE@IFREMER.FR GUDTHOR@HAFRO.IS	03.04.2017
WGHANSA	LIONEL PAWLOWSKI	LIONEL.PAWLOWSKI@IFREMER.FR	30.05.2017
WGMIXFISH-ADVICE	YOUEN VERMARD	YOUEN.VERMARD@IFREMER.FR	01.05.2017
WGNSSK	JOSÉ DE OLIVEIRA	JOSE.DEOLIVEIRA@CEFAS.CO.UK	03.04.2017
WGWIDE	GUDMUNDUR OSKARSSON	gjos@hafro.is	1.08.2017

3. Data submission

ICES Member Countries are requested to supply data as specified on the Working Groups' data request spreadsheets (annex 1) to InterCatch, to ICES Secretariat via email (accessions@ices.dk) or both. Data include:

- landings, discards, biological data and effort data from 2016 and other supporting information;
- for stocks identified in annex1 with DLS under column " DLS proxy RP"; estimates of length compositions for historic landings and discards from at least the three most recent consecutive years (e.g. 2016, 2015, 2014) of their commercial fisheries;
- information on data quantity should be submitted to InterCatch (as specified in annex 2); Excel spreadsheets with simple quality/quantity indicators (see annex 3) and supporting information on life history parameters (see annex 4) should be submitted directly to accessions@ices.dk.

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 in previous years to InterCatch, it should also be submitted to InterCatch (annex 1) for 2016.

If the format for submission of accession data (Annex 1) is not specified further through the provided templates (annex 1-5), the format should be the same as used in previous data calls and previous years (if anything is unclear please contact accessions@ices.dk).

If corrections for earlier years need to be made, please inform the Expert Group chair and 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.

The file will be forwarded to the respective stock coordinators and the Expert Group/workshop chairs.

Data emailed to accessions@ices.dk should have subject and filename as follows:

"2017 DC [expert group] [stock code/stock codes] [country] [type of data]"

(example: 2017 DC WGBFAS her.27.28 LV landings)

If data on both age and length are requested, please upload the biological age sample data first in one file and last the length sample data in another file to InterCatch, when marked with "IC" in annex 1. A more detailed description will follow later.

Several stocks in this data call for which both age and length data are being requested were also part of the 2016 data call. Last year due to limitations in InterCatch length data was submitted to ICES via accessions. However, InterCatch has been upgraded and can now deal with both age and length data in parallel so data should be submitted as requested in annex 1.

4. 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**.

If multiple metiers are aggregated or merged into dominant metiers, 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 16.2 of this document.

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).

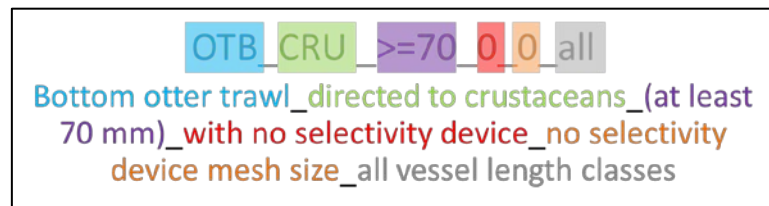


Figure 1. Explanation of the *metier* tag elements; an underscore separates each of the elements.

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, WGBIE and WGMIXFISH allow only specific *metiers* in specific areas (see Appendix 1-5).
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.

5. NEAFC Areas and ICES subdivisions

Data should be reported by the lowest subdivision possible.

In addition, for stocks with catches in areas shared between ICES and NEAFC regulatory area; the areas

should be reported with the correct NEAFC area (e.g. specifying 7.k.1, 7.k.2 vs. 7.k only, or 6.b.1, 6.b.2, vs. 6.b only). This is particularly relevant for deep water and widely distributed stocks.

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.

6. Recreational fisheries data

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

7. 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 2.

8. Age and length data in parallel in InterCatch

InterCatch can now work with age and length data in parallel. But it demands that length sample data have to be imported last for species with both age and length distribution data. This is due to InterCatch ignoring strata of other sample types. However, InterCatch will always take the latest imported strata without samples. Also, there is no problem with overwriting data in InterCatch as long as length data are imported latest, for stocks with both length and age samples. There is still no age-length-keys in InterCatch. It is important that when importing catches with and without age samples all strata have to be imported, all strata also have to be imported when importing catches with and without length samples.

9. Catch categories in InterCatch

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

- **NWWG:** Capelin.
- **WGBFAS:** Cod, herring and sprat.
- **WGWIDE:** Blue whiting, boarfish, herring, horse mackerel, mackerel.
- **WGCSE:** Cod, haddock, whiting, nephrops.
- **WGNSSK:** Saithe, sole, cod, haddock, whiting, hake.
- **WGBIE:** Sole, hake, nephrops, plaice.

In InterCatch only CATON is used to derive the total catch used for stock assessment. The values for the different categories in the OffLandings fields (OfficialLanding) are only informative and will not be used in the catch estimate.

Only use the Reporting Category R, in case there are black landings. Please use Reporting Category N for Non-reported.

9.1 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.

9.2 Discard, 'D'

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

This component should be in the CATON field and in the OffLandings field a 0 (zero) should be inserted.

9.3 BMS Landing, 'B'

Relevant for stocks under landing obligation. The BMS landing will consist of fish Below Minimum Size, BMS, and damaged fish as registered in the logbook.

This component should be inserted in the OffLandings field as reported in the logbook. If the discard weight includes the BMS weight a 0 (zero) should be inserted into the CATON field. Otherwise, your best estimate should be inserted into the CATON field.

9.4 Logbook Registered Discard, 'R'

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 also be included under this Logbook registered discard.

This component should be inserted to the OffLandings field as reported in the logbook. A 0 (zero) has to be inserted in the CATON field as this component is already included in the discard estimates (9.2).

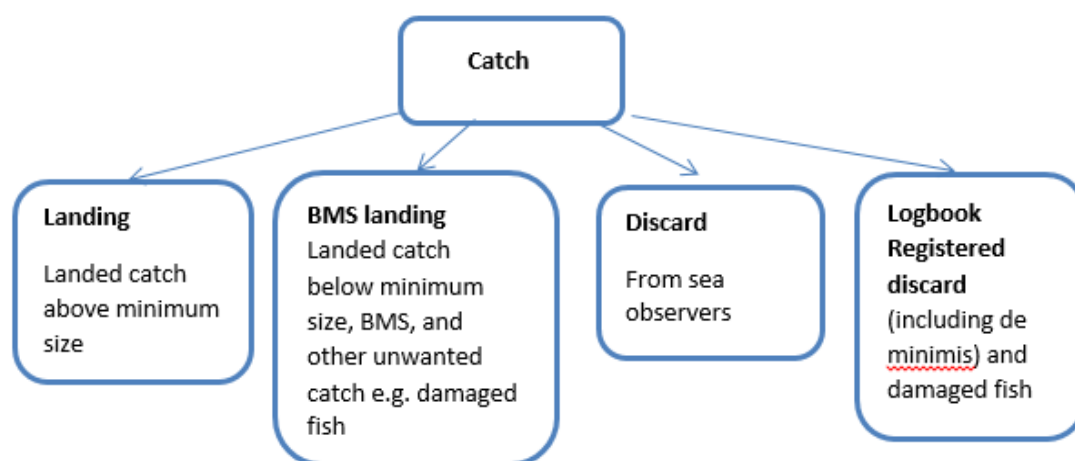


Figure 2. Description of the four current catch categories.

Table 2. The species information (SI) record in InterCatch – landing obligation example

Record number	10	11	12	13	19	20	Comments
Field code	Species	Stock	Catch Category	Reporting Category	CATON	OffLandings	
	COD	NA	D	R	1300	0	This is an estimate based on the observer sampling on board. The observer has access to discards and BMS fraction. Observer estimate includes both fractions
	COD	NA	B	R	0	0.1	The BMS registered in the logbook, should be inserted in the OffLandings field. CATON should be zero as the Catch category D already includes the BMS
	COD	NA	R	R	0	0.2	The Discards registered in the logbook, should be inserted in the OffLandings field. CATON will be zero as the Catch category D already includes all the Discards (the ones registered in the logbook and the ones not registered)

Table 3. The species information (SI) record in InterCatch – landing obligation example

Record number	10	11	12	13	19	20	Comments
Field code	Species	Stock	Catch Category	Reporting Category	CATON	OffLandings	
	COD	NA	D	R	1300	0	No observer effect identified in respect to the discard/ BMS fraction, so the discard estimate is an estimate of the discard and do not include the BMS
	COD	NA	B	R	0.1	0.1	The BMS from the logbooks in both columns, see above
	COD	NA	R	R	0	0.2	

10. 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 16.3). 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).

11. Zero Catch

Countries with no landings for stocks for which they usually report catches should enter a value of zero for landing to InterCatch. This will reassure the stock assessor that no data are missing. A single import of an annual zero landing stratum is acceptable.

For stocks where fishing only occurs in specific quarters, data for quarters with no catches should also be entered (by metier/fleet) to ensure that no data was missed. (e.g. for stocks where there are catches in quarter 1, 2 and 4, a catch of zero should be added for quarter 3).

12. Units used

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

Landings, discards: by number and in tonnes at 1 cm length intervals for fish and 1mm intervals for Norway lobster.

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

Effort (WGBFAS): see further WGBFAS specifications in annex 5.

Year must be entered as four digits, e.g. "2016".

13. Sample information on length and age data

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 units of the samples in the record types "NumSamplesLngt" and "NumSamplesAge" of the species data record should be the number of primary sample units (vessel, trip, harbour day, etc.). The units should be given in the InterCatch species information field named "InfoFleet".

If there is any doubt, please contact the working group chair (see table 1) and ICES Secretariat at InterCatchsupport@ices.dk.

14. 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 19). 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".

15. Contacts

For support concerning InterCatch issues please contact: InterCatchsupport@ices.dk.

For questions about the content of the data call, please contact: advice@ices.dk

For questions on data submission, please contact: accessions@ices.dk

16. Expert group specific uploading information

16.1. WGDEEP specification

Data request to Portugal for black-scabbardfish (*Aphanopus carbo*) from FAO Fishing Area 34, Division 1.2 (CECAF area).

Black scabbardfish is believed to constitute a unique stock with three migratory components in the West of the British Islands, Portugal mainland and Canary/Madeira areas. The southernmost component lies under the Fishery Committee for the Eastern Central Atlantic (CECAF) competence and it is believed to be an important spawning area for the species. In order to strengthen the ICES advisory process and a more comprehensive stock assessment of black scabbardfish, access to the southernmost component data (FAO Fishing Area 34, Division 1.2) is requested in this Data Call from all EU country members with data available from this area.

The data requested if available should be provided as follows:

Landings and discards per month in tonnes.

Fishing effort per month (KW days).

Length frequency distribution per month or per quarter.

Weight length relationship.

Proportion of mature individuals (by sex) in the last quarter of the year.

ICES also advises NEAFC on systematic or occasional catches of other deep sea species. In annex 1, one of codes specified under "stock codes" is **oth-com** and all member countries are requested to submit data on catches IN and OUT of the NEAFC Regulatory Area for species which ICES does not provide single stock advice. The catch for these species will be reported in a combined chapter by WGDEEP. The following list (**not** comprehensive) shows examples of species that should be submitted:

Common Mora (*Mora moro*) and Moridae, rabbit fish (*Chimaera monstrosa* and *Hydrolagus* spp), Baird's smoothhead (*Alepocephalus bairdii*) and Risso's smoothhead (*A. rostratus*), wreckfish (*Polyprion americanus*), bluemouth (*Helicolenus dactylopterus*), silver scabbard fish (*Lepidopus caudatus*), deep-water cardinal fish (*Epigonus telescopus*) and deep-water red crab (*Chaceon affinis*) and any others that may occur in mix catches.

16.2. 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 2017. However, for this data call ICES is requesting for member countries to **resubmit the last 8 years (2009-2016) of data for MIXFISH**. 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 16.2.4. of this document and annex 1, sheet WGMIXFISH-catch).

16.2.1. WGNSSK: All stocks (2009–2016 data requested)

Provide data by filling the spreadsheets described in section 16.2.4.

16.2.2. WGCSE: All stocks (2009–2016 data requested)

Provide data by filling the spreadsheets described in section 16.2.4.

Species catch data should be submitted according to the following:

ANF (aggregated ANF, MON, MNZ),

LEZ (aggregated LEZ, MEG),

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),

COD, HAD, HKE, LIN, NEP, PLE, POK, POL, SOL, WHG.

All remaining catch to be aggregated into an 'OTH' class.

16.2.3. WGBIE (2006–2016 data requested)

Provide data by filling the spreadsheets described in section 16.2.4.

Relevant stocks: southern hake (hke.27.8c9a), northern hake (hke.27.3a46-8abd), black anglerfish (ank.27.78ab), white anglerfish (mon.27.78ab), black anglerfish (mon.27.8c9a), white anglerfish (ank.27.8c9a), megrim (meg.27.8c9a), four-spot megrim (ldb.27.8c9a), megrim (meg.27.7b-k8abd) and a **new stock** four-spotted megrim (ldb.27.7b-k8abd).

16.2.4. 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, clearly indicating in the subject of the file name "2017 WGMIXFISH-ADVICE" [country] [*metier_catch/metier_effort*]" (example: 2017 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 Ca	FDF vessel	Area	KW_Days	Days At Sea	No Vessel
dnk1	DK	2015	1	OTB_DEF>=120_0_0_all	<10m		27.4	1000	100	10
dnk2	DK	2015	1	OTB_DEF>=120_0_0_all_FDF	10<24m	FDF	27.4	1000	100	10
dnk3	DK	2015	1	OTB_DEF>=120_0_0_all	10<24	FDF	27.6.a	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	InterCatch Metier Tag	Vessel Length Ca	FDF vessel	Area	Species	Landings	Value	Discards
dnk1	DK	2015	1	OTB_DEF>=120_0_0_all	<10m		27.4	COD	100	1000	
dnk2	DK	2015	1	OTB_DEF>=120_0_0_all_FDF	10<24m	FDF	27.4.b	NEP	100	1000	
dnk3	DK	2015	1	OTB_DEF>=120_0_0_all	10<24	FDF	FU.33	NEP	100	1000	

Figure 4. 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.

16.3. 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.

16.3.1. 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 **her.27.30**, 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*.

16.3.2. Data submission formats

When submitting to InterCatch and/or sending to accessions@ices.dk:

Catch (landings, discards):	InterCatch exchange format (HI, SI)
Biological information:	InterCatch exchange format (SD)
Effort (demersal stocks, data year = 2016):	InterCatch exchange format (HI)
Effort (demersal stocks, data year = 2009-2016):	As specified in Figure 6 and annex 5
Hole filling guideline for demersal stocks:	As specified in Figure 5 and annex 5

16.3.3. 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.

16.3.4. Data specification:

- If estimates of recreational fishery are available, then the data should be provided in *Excel* sheets directly to 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 important that Member Countries are aware of this new fraction in the catch when data is uploaded.

InterCatch has included two new catch categories: i) BMS landings and ii) logbook registered discard (see section 9). It is important when Member Countries are uploading data to InterCatch that the four categories in CATON are summing up to the total catch. 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.

16.3.5. Specifics of data requirements for eastern and western Baltic cod (cod.27.25-32 and cod.27.22-24):

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 (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.27.22-24):

- 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.

16.3.6 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. 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 5). 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				

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

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

16.3.6. 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 14) for providing the data, fill in effort data under “Landing”. **Be aware that the tool does not currently support the new catch categories BMS Landings and logbook registered discards** (see section 9).

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 should be uploaded by fleet segment. 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 5 and sent directly to the working group chairs and 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 5).

17. Appendix 1.

Gear coding (as defined under the EU Data Collection Framework), allowed for WGNSK and WGMIXFISH-ADVICE. Based on information from countries fishing in areas 27.3.a.20, 27.4 and 27.7.d and significant fishing gears.

AREA	GEAR TYPE	AVAILABLE METIER TAGS FOR FULLY DOCUMENTED FISHERIES ADD "_FDF" AFTER LENGTH CLASS
27.3.a.20 (Skagerrak) and 27.3.a.21 (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		
GTR_DEF_all_0_0_all		
Lines	LLS_FIF_0_0_0_all	
	LLS_FIF_0_0_0_all_FDF	
Others (Human consumption)*	MIS_MIS_0_0_0_HC	
Others (Industrial bycatch)*	MIS_MIS_0_0_0_IBC	
27.4 – (North Sea) Area type = SubArea & 27.7.d (Eastern Channel) Area Type = Div & 27.6.a (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		

AREA	GEAR TYPE	AVAILABLE METIER TAGS FOR FULLY DOCUMENTED FISHERIES ADD “_FDF” AFTER LENGTH CLASS
	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
	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.

18. 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 (27.6.a) and Rockall (27.6.b)	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 (27.7.a)	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	
Others (Human consumption)	MIS_MIS_0_0_0_HC	
Others (Industrial bycatch)	MIS_MIS_0_0_0_IBC	
West of Ireland (27.7.b-c) and Celtic Sea slope (27.7.k-j)	Gillnets	GNS_DEF_>=220_0_0_all
		GNS_DEF_100-119_0_0_all
		GNS_DEF_120-219_0_0_all
		GNS_DWS_100-119_0_0_all
	Otter trawl	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_100-119_0_0_all
		OTB_CRU_100-119_0_0_all
	Midwater trawl	OTM_SPF_16-31_0_0
		OTM_SPF_32-69_0_0_all
OTM_DEF_100-119_0_0_all		
OTM_LPF_70-99_0_0_all		



		OTM_LPF_100-119_0_0_all
	Others (Human consumption)*	MIS_MIS_0_0_0_HC
	Others (Industrial bycatch)*	MIS_MIS_0_0_0_IBC
Celtic Sea Shelf (27.7.f-h)	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 (27.7.e)	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
		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 métiers under the MIS_MIS category should be minimized.

19. 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

MÉTIER LEVEL 6	DESCRIPTION
	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
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 device
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 device, 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

MÉTIER LEVEL 6	DESCRIPTION
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.
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.

20. Appendix 4.

The information request in this appendix is only required for stocks identified in annex 1 with DLS under column "DLS proxy RP".

Data quality and quantity information in the 2017 ICES data call in annex 3.

"Data quality and quantity information" includes a set of simple indicators that will allow ICES Expert Groups to get a general idea on the quantity and quality data submitted.

The aggregation should be as in the IC.

A set of simple indicators on data quantity and quality indicators are requested to be used by ICES EGs in preliminary checking of the quality and quantity of the length compositions made available. These indicators should be sent directly to accessions@ices.dk and are supplemental to the quantity indicators submitted to InterCatch, including: total landings in kg, number of fishing trips (total and with target stock; at national level and observed by national programme), number of fishing trips where stock was length-measured and number and whole-weight of specimens actually measured for length.

ID Fields									Questionnaire							
Country	Species	Species 3 letter code	2016 Stock code	Geographical area	Fleet / Gear type / Metier	Year	Quarter	Catch Category	Total volume (in kg, whole weight)	Total number of trips (country level)	Number of trips with target specie (country level)	Total number of trips (observed in programme)	Total number of trips observed with stock	Total number of trips where stock was length-measured	Total number of fish length-measured	Weight of fish measured (in kg, whole weight)
xxx	<i>Clupea harengus</i>	HER	her.27.6a7bc	subarea 4	OTM_SPF_32-69_0_o_all	2015	1	L	500	244	186	47	2	2	8	25

Quantitative info tab

Information on thresholds used to define the data submitted (e.g., was data considered good-enough for submission only if more than a minimum number of fish was measured per quarter?) and the general opinion of data providers on the quality of the data submitted and possible estimation issues are also request.

ID Fields									Questionnaire	
Country	Species	Species 3 letter code	Stock code	Geographical area	Fleet / Gear type / Metier	Year	Quarter	Catch Category	Did you use any kind of threshold to define the data you uploaded (e.g., minimum number of fish measured, minimum number of hauls/trips with stock, absence of gaps in Length frequency, other?); if yes, please specify.	General opinion of data providers on the quality of the data submitted Data is very scarce but total landings too - should not be much of a problem
xxx	<i>Clupea harengus</i>	HER	her.27.6a7bc	subarea 4	OTM_SPF_32-69_0_o_all	2015	1	L	Yes. Only Fleet*quarter*stock*area with >5 individuals measured in >2 trips were used	

Qualitative info tab

21. Appendix 5.

The information request in this appendix is only required for stocks identified in annex 1 with DLS under column "DLS proxy RP".

Supporting life history information in the 2017 ICES data call in Annex 4.

"Supporting life history information" would include information on life history traits, if available, noting that some candidate reference points may require input on L_{mat} (length at first maturity), growth parameters (e.g., L_{inf} , K), and M (natural mortality). ICES recognizes that for countries which are also EU members, this type of information is not under the DCF regulation ((EC) No 199/2008). That said, this type of information is important to the delivery of advice associated with this data call. ICES asks that countries report this information if they are aware of it, but it is not obligatory.

^ If information is provided on traits not listed in the template, include them in these rows with the parameter name in the comments column.						
	Value	Reference	Country code	Stock code	Species code	Comments
Lmat						
Linf						
K						
M						
Unspecified parameter^						
Unspecified parameter^						