

InterCatch

Exchange Format

Version 1.0

Document version 1.12



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1 Introduction

InterCatch data files are to be in .csv format using commas or semi colons. Unknown values for characters are to be given as 'NA' (Not Applicable) and '-9' (Unknown) for integers. Note that '-9' may be omitted altogether if this simplifies matters.

Please note that both HI (Header Information) and SI (Species Information) records must be given (only one data line each). If there is sampling information, then the record type SD (Species Data) should be included (one data line for each age or length).

An example of a data file using the format is given in Annex I

Information regarding the format can also be found on:

<http://dome.ices.dk/datsu/selRep.aspx?Dataset=76>

Choose Dataset "InterCatch 1. Version" and select HI, SI or SD under Record.

Female and male sample data must be imported in the same file, otherwise the imports will overwrite each other.

Any queries regarding this format can be made to Project manager Henrik Kjems-Nielsen (henrikkn@ices.dk) or Data Manager Anna Osypchuk (anna.osypchuk@ices.dk).

IMPORTANT: AGE FIRST AND LENGTH DATA LAST
THE TEXT BELOW IS NEW

1.1 Important order of importing data: Age file first and length file last

When importing catches with age samples and catches with length samples for the same species in two different files. It is very important that the file with catches with **age samples is imported first** and the file with catches with **length samples is imported last**. If not length samples could be ignored.

IMPORTANT: THE TEXT ABOVE IS NEW

1.2 Overwriting rule

When importing data to InterCatch to a stratum which have already been imported into InterCatch, the previous data will be overwritten by the new data. The following field combination define a stratum in InterCatch and will if the same as an existing overwrite the previous stratum:

Country, Year, SeasonType, Season, Fleet, AreaType, FishingArea, AreaQualifier, Species, CatchCategory and Reporting Category

Please note that if one or more fields are changed then InterCatch identify the data as new data. Therefore if e.g. a wrong fleet have been imported, and a correct new fleet have been imported. Then the first imported 'wrong' fleet have to manually be deleted in InterCatch.

2 Commercial catch and sample data

2.1 Header Information – HI

RecordType	Position: 1	Width: 2	Mandatory?: Yes	Data Type: char
<p>There is always a HI (Header Information) record. If two of the same HI-records exist InterCatch will give an error. It could seem right if discard also is included in the import file, but that is not the case. See SI-record field 'Catch category'.</p>				
Country	Position: 2	Width: 3	Mandatory?: Yes	Data Type: char
<p>Use ISO (International Organization for Standardization) country code and here the United Kingdom must take care. For England and Wales use UKE, for Northern Ireland UKN and Scotland, please use UKS</p>				
Year	Position: 3	Width: 4	Mandatory?: Yes	Data Type: char
<p>Give the year of the catch</p>				
SeasonType	Position: 4	Width: 10	Mandatory?: Yes	Data Type: char
<p>This can be given as Month, Quarter or Year</p>				
Season	Position: 5	Width: 4	Mandatory?: Yes	Data Type: int
<p>If the SeasonType is Month, then place which month here. Do the same for Quarter or Year</p>				
Fleet	Position: 6	Width: 20	Mandatory?: Yes	Data Type: char
<p>Stock coordinators define and create themselves inside InterCatch the needed fleets/fisheries/metier. The definition should be in agreement with other stock coordinators, who refer to the same fleets/fisheries/metier, and also in agreement with national data submitters. The fleets/fisheries/metier should be based on the DCF Metier (Nantes) Matrix.</p> <p>Valid fleets/fisheries/metier can be seen in InterCatch go to Fleet Maintenance</p> <p>Do NOT USE the test fleets: TestA, TestB and TestC.</p>				
AreaType	Position: 7	Width: 10	Mandatory?: Yes	Data Type: char
<p>There are 5 codes to select from here and they are: Area top level = AreaTop Divisions = Div Statistical rectangles = StatRec Sub-area = SubArea Sub-divisions = SubDiv</p>				
FishingArea	Position: 8	Width: 6	Mandatory?: Yes	Data Type: char
<p>ICES fishing area relevant to AreaType. Now the ICES fishing areas are prefixed with the FAO area and using Arabic numbers instead of Roman numbers.</p>				
DepthRange	Position: 9	Width: 10	Mandatory?: No	Data Type: char

To be specified by Working Groups
 At present set to NA = Not Applicable

UnitEffort

Position: 10 Width: 3 Mandatory?: No Data Type: char

Logon into InterCatch and see under menu item '1. Check or Create Fleets/Métiers' the Unit Effort for the (in the field 'Fleet') referred fleet/métier. Then use the same Unit Effort here.

Here you may enter the following:

kWd = KiloWatt days
 fd = Fishing days
 hf = Hours fished
 kh = Kilos per hour
 ntn = Number of trap-nets
 dhp = Days per 100 HP
 NoV = Number of Vessels
 Ntn = Number of trap-nets
 th = Tons per hour
 tr = Trips
 dop = Days out of port
 hph = Horsepower-hours
 NA = Not available

Effort

Position: 11 Width: 5 Mandatory?: No Data Type: int

Effort value according to the UnitEffort. Effort is given for all the species (SI records) belonging to the header (HI record).

AreaQualifier

Position: 12 Width: 20 Mandatory?: No Data Type: char

*To be specified by Working Groups *)*
 At present sent to NA = Not Applicable

2.2 Species Information –SI

RecordType	Position: 1	Width: 2	Mandatory?: Yes	Data Type: char
There is always a SI (Species Information) record				
Country	Position: 2	Width: 3	Mandatory?: Yes	Data Type: char
Use ISO (International Organization for Standardization) country code and here the United Kingdom must take care. For England and Wales use UKE, for Northern Ireland UKN and Scotland please use UKS				
Year	Position: 3	Width: 4	Mandatory?: Yes	Data Type: char
Give the year of the catch				
SeasonType	Position: 4	Width: 10	Mandatory?: Yes	Data Type: char
This can be given as Month, Quarter or Year				
Season	Position: 5	Width: 4	Mandatory?: Yes	Data Type: int
If the SeasonType is Month, then place which month here. Do the same for Quarter or Year				
Fleet	Position: 6	Width: 20	Mandatory?: Yes	Data Type: char
Stock coordinators define and create themselves inside InterCatch the needed fleets/fisheries/metier. The definition should be in agreement with other stock coordinators, who refer to the same fleets/fisheries/metier, and also in agreement with national data submitters. The fleets/fisheries/metier should be based on the DCF Metier (Nantes) Matrix.				
Valid fleets/fisheries/metier can be seen in InterCatch go to Fleet Maintenance				
Do NOT USE the test fleets: TestA, TestB and TestC.				
AreaType	Position: 7	Width: 10	Mandatory?: Yes	Data Type: char
There are 5 codes to select from here and they are: Area top level = AreaTop Divisions = Div Statistical rectangles = StatRec Sub-area = SubArea Sub-divisions = SubDiv				
FishingArea	Position: 8	Width: 6	Mandatory?: Yes	Data Type: char
ICES fishing area relevant to AreaType. Now the ICES fishing areas are prefixed with the FAO area and using Arabic numbers instead of Roman numbers.				
DepthRange	Position: 9	Width: 10	Mandatory?: Yes	Data Type: char
<i>To be specified by Working Groups</i> At present set to NA = Not Applicable				
Species	Position: 10	Width: 3	Mandatory?: Yes	Data Type: char

3-Alpha FAO (Food and Agriculture Organization of the United Nations) species code

Stock

Position: 11 Width: 10 Mandatory?: Yes Data Type: char

At present set to NA = Not Applicable
In the future, this field will be used to identify stocks like Herring spring spawners and autumn spawners.

CatchCategory

Position: 12 Width: 2 Mandatory?: Yes Data Type: char

The Catch Category field indicate which type or category the catch is.

- L = Landings. Landings above minimum size.
- B = BMS Landings. Landings below minimum size, BMS. Relevant for stocks under the landing obligation. The BMS landing will consist of fish BMS landings and damaged fish.
- D = Discards. 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.
- R = Logbook Registered Discard. 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.
- C = Catch can be used for a few species, for which there is no separation in the information of landings or discards.

Under one header HI-record there can be one SI with CatchCategory 'L' and one SI with 'B' and one SI with 'D' and one SI with 'R' (depending on the information). The same HI-record cover both landings and both discards. If two or more of the same HI-records exists in the imported data file InterCatch will give an error.

See Annex II and III for clarification of this category.

ReportingCategory

Position: 13 Width: 2 Mandatory?: Yes Data Type: char

- A = All – reported, non reported and misreported
- M = Misreported
- N = Non-reported
- R = Reported
- RM = Reported and misreported
- RN = Reported and non reported
- S = SOP corrections

See Annex II and III for clarification of this category.

Reported

Reported is the default. Always use this R – Reported if the catch is a normal catches with no additional black landings or misreported. R – Reported should also be used for the discard data, meaning no black landings or misreported discards are included.

Further clarification of CatchCategory and ReportingCategory

Discards are most often (if not always) linked to an amount landed due to the way discard data are sampled. This is because discard data are mainly obtained by observers onboard fishing vessels. Thus, in order to get the total amount discarded, the observer's data has to be raised by some landings data.

It might seem strange that discards can be of the ReportingCategory "Reported", when discards almost by definition is unreported. However, in this context "Reported" should be understood as meaning: the amount of discards which are linked to the reported landings. Discards data can also be linked to "Misreported" data, "Non-reported" etc.

Thus, discards will normally have the ReportingCategory “Reported”, as this represents the case where there is no misreporting or non-reporting.

Misreported

If catch data are uploaded into InterCatch, but a part of the catch is misreported, it is in fact caught in another area. A part of a catch can be move from one area to another area (specified in the DataToFrom field), this is referred to as misreported. A new set of HI and SI can be uploaded with the ‘M’ for misreported in the ReportingCategory field. If wanted SD records can also be uploaded. The new misreported data are seen as compensation data. It is **very important that all misreported catches are imported in one and only one file so all misreported catches can be calculated in one go**. This in because only the latest imported strata are used in InterCatch, this allow for updating any strata any number of times. But it means that all misreported catches must be imported from the same file/at the same time. Because all misreportings to an area are aggregated from all misreportings to that particular area from all other areas in that one file. It is also very important to make sure that when the misreported CATON value is negative (removed/subtracted from an area) then in case it is wanted to specify the SD-records, then all the NumberCaught at age must also be negative, so the NumbersCaught also is subtracted from the area. InterCatch is designed so only the subtraction from an area should be imported. The corresponding addition to an area is automatically made by InterCatch, of cause with the opposite sign. See Annex III.

Non-reported

Non-reported are black landings.

DataToFrom	Position: 14	Width: 10	Mandatory?: No	Data Type: char
	Should default be set to ‘NA’. Except when dealing with misreported (see the ReportingCategory field) , which is when a too much or too little catch has imported to a area. Then the area of which the misreported catch should be moved to is specified here. See Annex III.			
Usage	Position: 15	Width: 2	Mandatory?: No	Data Type: char
	H = Human consumption I = Industrial NA = Not Applicable or unspecified			
SamplesOrigin	Position: 16	Width: 5	Mandatory?: No	Data Type: char
	M = Market NA = Not Applicable O = Onboard U = Unknown			
QualityFlag	Position: 17	Width: 2	Mandatory?: No	Data Type: char
	<i>To be specified by Working Groups</i> <i>At present set to NA = Not Applicable</i>			
UnitCATON	Position: 18	Width: 2	Mandatory?: Yes	Data Type: char
	kg = kilogram t = tonnes			
CATON	Position: 19	Width: 20	Mandatory?: Yes	Data Type: decimal 12
	Catch in the unit specified in UnitCATON			
OffLandings	Position: 20	Width: 7	Mandatory?: No	Data Type: int
	Official landings in the unit specified in UnitCATON			

varCATON	Position: 21	Width: 20	Mandatory?: No	Data Type: decimal 12
<i>At present set to -9 = Unknown, will be developed in a later version of InterCatch.</i>				
InfoFleet	Position: 22	Width: 250	Mandatory?: No	Data Type: char
Additional information regarding fleet from data submitter				
InfoStockCoordinator	Position: 23	Width: 250	Mandatory?: No	Data Type: char
Additional information for stock co-ordinator from data submitter				
InfoGeneral	Position: 24	Width: 250	Mandatory?: No	Data Type: char
Additional general information from data submitter.				

2.3 Species Data –SD

RecordType	Position: 1	Width: 2	Mandatory?: Yes	Data Type: char
A SD (Species Data) record is required only if sampling information is available				
Country	Position: 2	Width: 3	Mandatory?: Yes	Data Type: char
Use ISO (International Organization for Standardization) country code and here the United Kingdom must take care. For England and Wales use UKE, for Northern Ireland UKN and Scotland please use UKS				
Year	Position: 3	Width: 4	Mandatory?: Yes	Data Type: char
Give the year of the catch				
SeasonType	Position: 4	Width: 10	Mandatory?: Yes	Data Type: char
This can be given as Month, Quarter or Year				
Season	Position: 5	Width: 4	Mandatory?: Yes	Data Type: int
If the SeasonType is Month, then place which month here. Do the same for Quarter or Year				
Fleet	Position: 6	Width: 20	Mandatory?: Yes	Data Type: char
Stock coordinators define and create themselves inside InterCatch the needed fleets/fisheries/metier. The definition should be in agreement with other stock coordinators, who refer to the same fleets/fisheries/metier, and also in agreement with national data submitters. The fleets/fisheries/metier should be based on the DCF Metier (Nantes) Matrix.				
Valid fleets/fisheries/metier can be seen in InterCatch go to Fleet Maintenance				
Do NOT USE the test fleets: TestA, TestB and TestC.				
AreaType	Position: 7	Width: 10	Mandatory?: Yes	Data Type: char
There are 5 codes to select here and they are: Area top level = AreaTop Divisions = Div Statistical rectangles = StatRec Sub-area = SubArea Sub-divisions = SubDiv				
FishingArea	Position: 8	Width: 6	Mandatory?: Yes	Data Type: char
ICES fishing area relevant to AreaType. Now the ICES fishing areas are prefixed with the FAO area and using Arabic numbers instead of Roman numbers.				
DepthRange	Position: 9	Width: 10	Mandatory?: Yes	Data Type: char
<i>To be specified by Working Groups</i> <i>At present set to NA = Not Applicable</i>				
Species	Position: 10	Width: 3	Mandatory?: Yes	Data Type: char
3-Alpha FAO (Food and Agriculture Organization of the United Nations) species code				

Stock

Position: 11

Width: 10

Mandatory?: Yes

Data Type: char

At present set to NA = Not Applicable

In the future, this field will be used to identify stocks like Herring spring spawners and autumn spawners.

CatchCategory

Position: 12

Width: 2

Mandatory?: Yes

Data Type: char

The Catch Category field indicate which type or category the catch is.

L = Landings. Landings above minimum size.

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

D = Discards. 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.

R = Logbook Registered Discard. 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.

C = Catch can be used for a few species, for which there is no separation in the information of landings or discards.

Under one header HI-record there can be one SI with CatchCategory 'L' and one SI with 'B' and one SI with 'D' and one SI with 'R' (depending on the information). The same HI-record cover both landings and both discards. If two or more of the same HI-records exists in the imported data file InterCatch will give an error.

ReportingCategory

Position: 13

Width: 2

Mandatory?: Yes

Data Type: char

A = All – reported, non reported and misreported

M = Misreported

N = Non-reported

R = Reported

RM = Reported and misreported

RN = Reported and non reported

S = SOP corrections

See Annex II for clarification of this category.

Reported

Reported is the default. Always use this R – Reported if the catch is a normal catches with no additional black landings or misreported. R – Reported should also be used for the discard data, meaning no black landings or misreported discards are included.

Further clarification of CatchCategory and ReportingCategory

Discards are most often (if not always) linked to an amount landed due to the way discard data are sampled. This is because discard data are mainly obtained by observers onboard fishing vessels. Thus, in order to get the total amount discarded, the observer's data has to be raised by some landings data.

It might seem strange that discards can be of the ReportingCategory "Reported", when discards almost by definition is unreported. However, in this context "Reported" should be understood as meaning: the amount of discards which are linked to the reported landings. Discards data can also be linked to "Misreported" data, "Non-reported" etc.

Thus, discards will normally have the ReportingCategory "Reported", as this represents the case where there is no misreporting or non-reporting.

Misreported

If catch data are uploaded into InterCatch, but a part of the catch is misreported, it is in fact caught in another area. A part of a catch can be move from one area to another area (specified in the DataToFrom field), this is referred to as misreported. A new set of HI and SI can be uploaded with the 'M' for misreported in the ReportingCategory field. If wanted SD records can also be uploaded. The new misreported data are seen as compensation data. It is **very important that all misreported catches are imported in one and only one file so all misreported catches can be calculated in one go**. This in because only the latest imported strata are used in InterCatch, this allow for updating any strata any number of times. But it means that all misreported catches must be imported from the same file/at the same time. Because all misreportings to an area are aggregated from all misreportings to that particular area from all other areas in that one file. It is also very important to make sure that when the misreported CATON value is negative (removed/subtracted from an area) then in case it is wanted to specify the SD-records, then all the NumberCaught at age must also be negative, so the NumbersCaught also is subtracted from the area. InterCatch is designed so only the subtraction from an area should be imported. The corresponding addition to an area is automatically made by InterCatch, of cause with the opposite sign. See Annex III.

Non-reported

Non-reported are black landings.

Sex

Position: 14 Width: 2 Mandatory?: No Data Type: char

F = Female
M = Male
N= Undetermined

Female and male sample data must be imported in the same file, otherwise the imports will overwrite each other.

Under a SI-record with holds the catch (CATON), which is a sum of both females and males, any numbers of related female SD-records can be inserted then any number of related male SD-records can be inserted, or visa verse.

CANUMtype

Position: 15 Width: 7 Mandatory?: Yes Data Type: char

Specify whether data are reported by age (age) or length (lngt)

AgeLength

Position: 16 Width: 2 Mandatory?: Yes Data Type: int

Insert reported age or length

PlusGroup

Position: 17 Width: 2 Mandatory?: No Data Type: int

Age of plus group or -9 for unknown

SampledCatch

Position: 18 Width: 5 Mandatory?: No Data Type: int

The stock co-ordinator determines what the value in this field represents - tonnes, kilogram or percentage.

Tonnes or kilogram

Weight of total catch for country, fleet, season, area etc. e.g. 8000 tonnes. If 8000 tonnes are caught by a country, fleet, season, area etc., and only 1200 tonnes are sampled by one vessel, but it represents the whole fleet for that metier, therefore the SampledCatch is 8000 tonnes.

Percentage

A percentage representing a random sampling e.g. if 3 random samples are made for a country, fleet, season, area etc. then SampledCatch should be 100%. If it is not random, but only 6 selected vessels or 6 samples in one harbour, then the percentage should represent the rate between the actual number of samples and the ideal level. Like one sample per vessel per month. If there are 10 vessels and the season is quarter and 6 selected vessels are sampled once, then 10 vessels multiplied by 3 month/quarter divided by the 6 samples: $30/6 = 20\%$.

NumSamplesLngt	Position: 19	Width: 5	Mandatory?: No	Data Type: int
Total number of sample events for length measurements, representing the number of sample events. If 5 sample trips by vessels have been made and each vessel has made 10 hauls and from each haul samples have been taken for length measurement, then 10 hauls multiplied by 5 vessels = 50 would be the number to insert here.				
NumLngtMeas	Position: 20	Width: 5	Mandatory?: No	Data Type: int
Total number of actual length readings for that country, fleet, season, area etc. If 5 sample trips by vessels have been made and on each trip 2000 fish have been measured, then the number would be 5 trips multiplied by 2000 fish = 10000.				
NumSamplesAge	Position: 21	Width: 5	Mandatory?: No	Data Type: int
Total number of sample events for age measurements, representing the number of sample events. If 5 sample trips by vessels have been made and each vessel has made 10 hauls, but only every second haul was sampled for age measurements, then it is 5 hauls per vessel. Therefore, 5 hauls multiplied by 5 vessels = 25 would be the number to insert here.				
NumAgeMeas	Position: 22	Width: 5	Mandatory?: No	Data Type: int
Total number of actual age readings for that country, fleet, season, area etc. If 5 sample trips by vessels have been made and on each trip 100 fish have been age determined, then the number would be 5 trips multiplied by 100 fish = 500.				
unitMeanWeight	Position: 23	Width: 3	Mandatory?: Yes	Data Type: char
g = gram kg = kilogram				
unitCANUM	Position: 24	Width: 2	Mandatory?: Yes	Data Type: char
k = thousands m = millions n = numbers				
UnitAgeOrLength	Position: 25	Width: 4	Mandatory?: Yes	Data Type: char
cm = centimetre mm = millimetre wr = winter ring year = year				
UnitMeanLength	Position: 26	Width: 3	Mandatory?: No	Data Type: char
cm = centimetre mm = millimetre na = not applicable				
Maturity	Position: 27	Width: 2	Mandatory?: No	Data Type: char
I = Immature M = Mature				

NA = Not Applicable or unknown

Field Name	Position	Width	Mandatory?	Data Type
NumberCaught	28	20	Yes	decimal 12
<p>The numbers caught or numbers at age (or length) must be the raised numbers at age according to the CATON in the SI – record (not the raw numbers at age from the sample). Otherwise the sum-of-products (SOP) will fail. Value field. IMPORTANT: If ReportingCategory ‘M’ Misreported is used and the misreported data is the catch data which should be subtracted from an area, then the CATON value must be negative and the NumberCaught must also be negative.</p>				
MeanWeight	29	20	Yes	decimal 12
Value field				
MeanLength	30	20	No	decimal 12
Value field. Only relevant for age distributed data.				
varNumLanded	31	20	No	decimal 12
At present set to -9 = unknown, will be developed in a later version of InterCatch				
varWgtLanded	32	20	No	decimal 12
At present set to -9 = unknown, will be developed in a later version of InterCatch				
varLgtLanded	33	20	No	decimal 12
At present set to -9 = unknown, will be developed in a later version of InterCatch				

3 Survey and Logbook data

Normally only the stock coordinator should import this WEST and Maturity. There should only be imported on set of WEST and Maturity data, that should be done in one set of LS and LD records, where the fleet could be a general fleet just for WEST and Maturity, because often WEST and Maturity refers to all stock and not the fleets. Since there is no specific country for the WEST and Maturity data, the country code could be set to 'OT1', which is a none specific country code. The 'OT1' country code can also be used for CPUE data where many countries are involved.

3.1 Survey and Logbook Header Information – LS

RecordType	Position: 1	Width: 2	Mandatory?: Yes	Data Type: char
There is always a LS (Header Information) record				
Country	Position: 2	Width: 3	Mandatory?: Yes	Data Type: char
Use ISO (International Organization for Standardization) country code and here the United Kingdom must take care. For England and Wales use UKE, for Northern Ireland UKN and Scotland, please use UKS				
Fleet	Position: 3	Width: 20	Mandatory?: Yes	Data Type: char
Stock coordinators define and create themselves inside InterCatch the needed fleets/fisheries/metier. The definition should be in agreement with other stock coordinators, who refer to the same fleets/fisheries/metier, and also in agreement with national data submitters. The fleets/fisheries/metier should be based on the DCF Metier (Nantes) Matrix.				
Valid fleets/fisheries/metier can be seen in InterCatch go to Fleet Maintenance				
Do NOT USE the test fleets: TestA, TestB and TestC.				
Stock	Position: 4	Width: 10	Mandatory?: Yes	Data Type: char
At present set to NA = Not Applicable In the future, this field will be used to identify stocks like Herring spring spawners and autumn spawners.				
Year	Position: 5	Width: 4	Mandatory?: Yes	Data Type: char
Give the year of the catch				
SeasonType	Position: 6	Width: 10	Mandatory?: Yes	Data Type: char
This can be given as Month, Quarter or Year				
Season	Position: 7	Width: 4	Mandatory?: Yes	Data Type: int
If the SeasonType is Month, then place which month here. Do the same for Quarter or Year				
OriginOfData	Position: 8	Width: 1	Mandatory?: Yes	Data Type: int
Here it is the origin/type of data specified: 1 = CPUE age 2 = CPUE length				

3 = Recruitment index
4 = SSB index

UnitEffort

Position: 9 Width: 3 Mandatory?: Yes Data Type: char

Here you may enter the following:

fd = Fishing days
hf = Hours fished
ntn = Number of trap-nets
dhp = Days per 100 HP
NoV = Number of Vessels
th = Tons per hour
tr = Trips
dop = Days out of port
hph = Horsepower-hours
NA = Not available

Effort

Position: 10 Width: 15 Mandatory?: Yes Data Type: int

Effort value according to the UnitEffort

UnitAgeOrLength

Position: 11 Width: 4 Mandatory?: Yes Data Type: char

cm = centimetre
mm = millimetre
wr = winter ring
year = year

CANUMtype

Position: 12 Width: 7 Mandatory?: Yes Data Type: char

Specify whether data are reported by age (age) or length (lngt)

unitMeanWeight

Position: 13 Width: 3 Mandatory?: No Data Type: char

g = gram
kg = kilogram

3.2 Survey and Logbook Data- LD

RecordType	Position: 1	Width: 2	Mandatory?: Yes	Data Type: char
There is always a LS (Header Information) record				
Country	Position: 2	Width: 3	Mandatory?: Yes	Data Type: char
Use ISO (International Organization for Standardization) country code and here the United Kingdom must take care. For England and Wales use UKE, for Northern Ireland UKN and Scotland, please use UKS				
Fleet	Position: 3	Width: 20	Mandatory?: Yes	Data Type: char
Stock coordinators define and create themselves inside InterCatch the needed fleets/fisheries/metier. The definition should be in agreement with other stock coordinators, who refer to the same fleets/fisheries/metier, and also in agreement with national data submitters. The fleets/fisheries/metier should be based on the DCF Metier (Nantes) Matrix.				
Valid fleets/fisheries/metier can be seen in InterCatch go to Fleet Maintenance				
Do NOT USE the test fleets: TestA, TestB and TestC.				
Stock	Position: 4	Width: 10	Mandatory?: Yes	Data Type: char
At present set to NA = Not Applicable In the future, this field will be used to identify stocks like Herring spring spawners and autumn spawners.				
Year	Position: 5	Width: 4	Mandatory?: Yes	Data Type: char
Give the year of the catch				
SeasonType	Position: 6	Width: 10	Mandatory?: Yes	Data Type: char
This can be given as Month, Quarter or Year				
Season	Position: 7	Width: 4	Mandatory?: Yes	Data Type: int
If the SeasonType is Month, then place which month here. Do the same for Quarter or Year				
AgeLength	Position: 8	Width: 2	Mandatory?: Yes	Data Type: int
Insert reported age or length				
ICMaturity	Position: 9	Width: 4	Mandatory?: Yes	Data Type: int
This field is called 'ICMaturity' to distinguish from the 'Maturity' in the 'SD'. In this 'ICMaturity' field the actual maturity rate with up to 2 decimals should be entered.				
MeanWeight/WEST	Position: 10	Width: 20	Mandatory?: Yes	Data Type: decimal 12
The mean weight for the stock WEST is reported as a Value field				
CPUE	Position: 11	Width: 10	Mandatory?: Yes	Data Type: decimal 1

Survey and Logbook data

LD-record type

The Catch Per Unit Effort value must be reported, which is the numbers at age or length in the field AgeLength and according to the CANUMtype in the LS record.

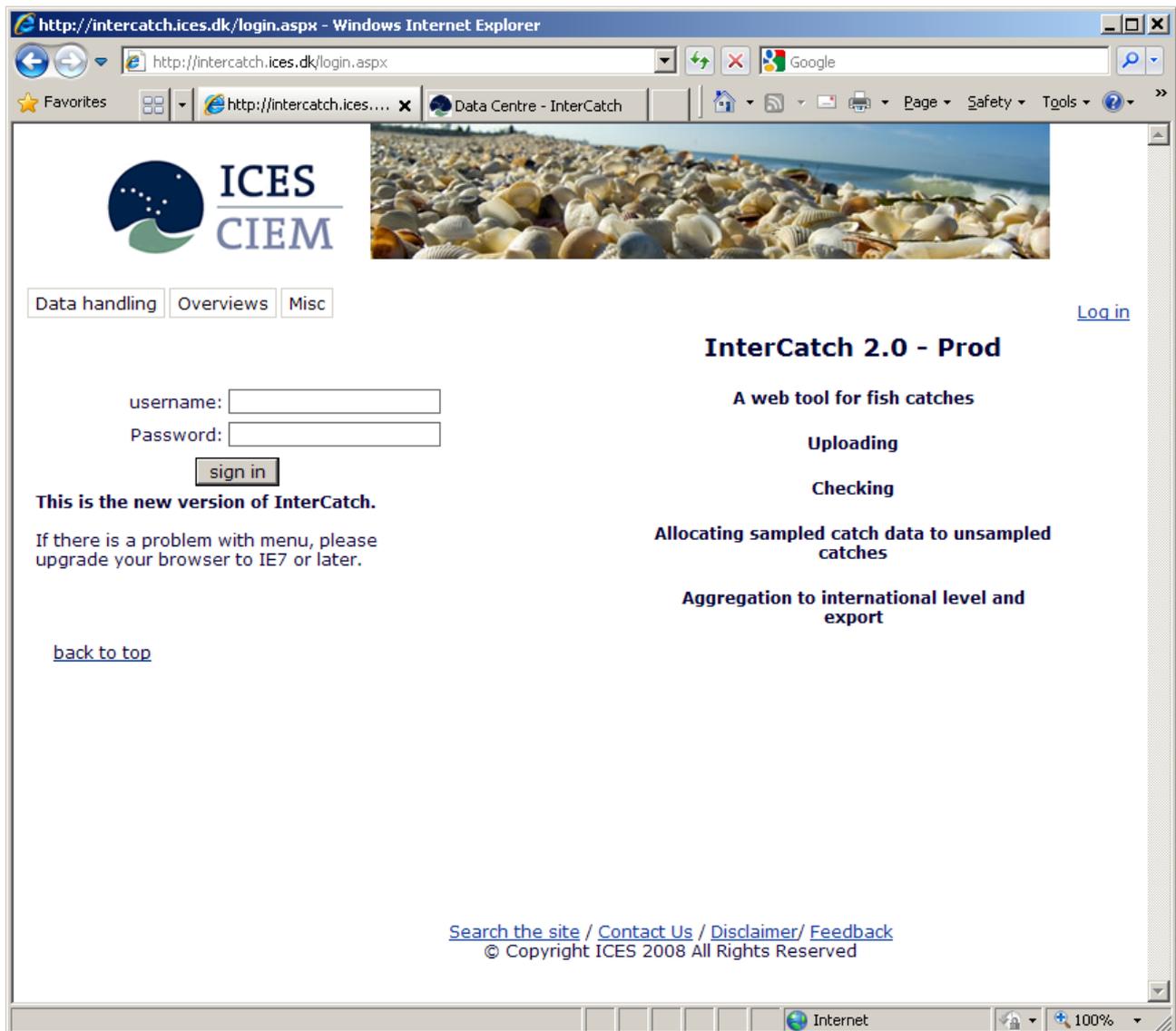
The CPUE/numbers can be normalised according to the effort but it does not have.

4 Screening Data

To screen your data go to the following web site:

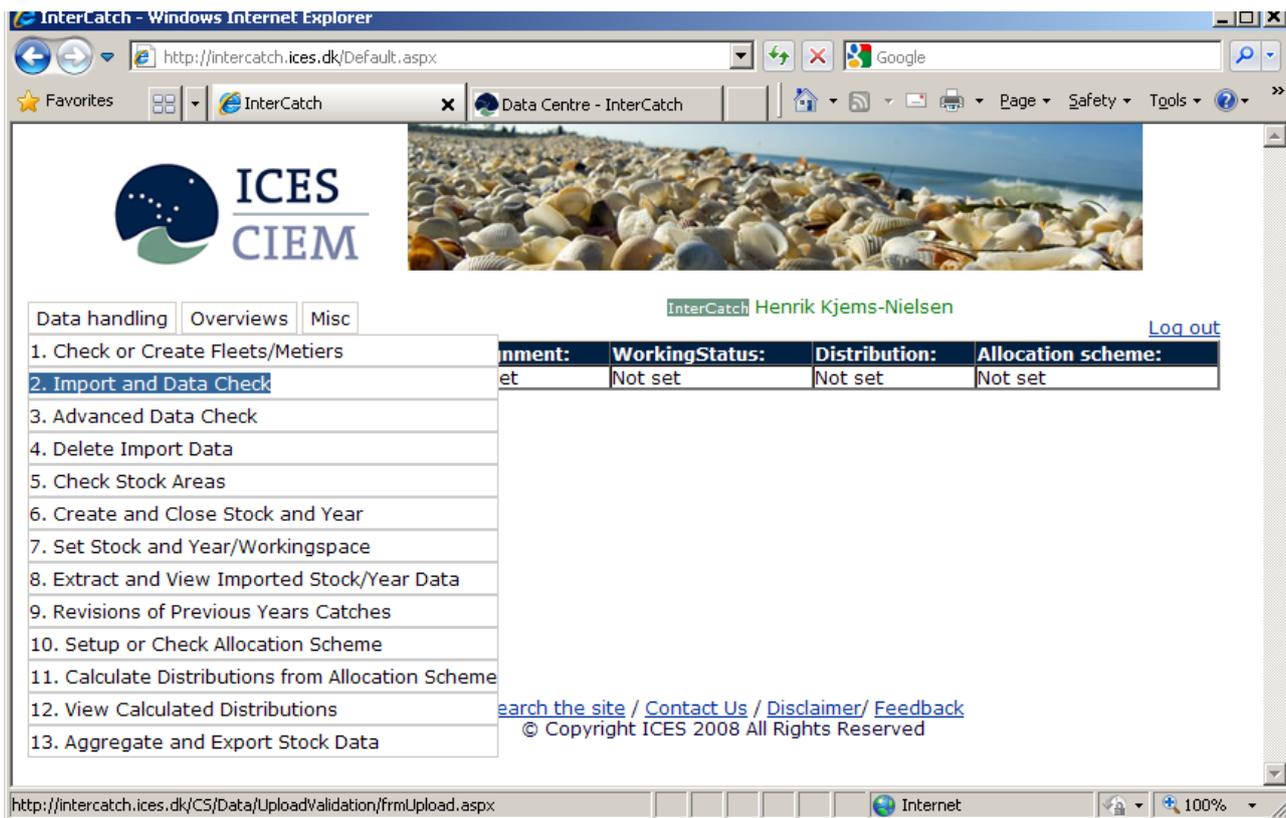
<http://InterCatch.ices.dk>

Your screen will look like this:



A password must be obtained from the InterCatch Data Manager Anna Osypchuk (anna.osypchuk@ices.dk). Log on using your e-mail address and the password supplied. This password can be changed, see following page and note the left hand side of the frame.

To check your data, see examples on following pages.

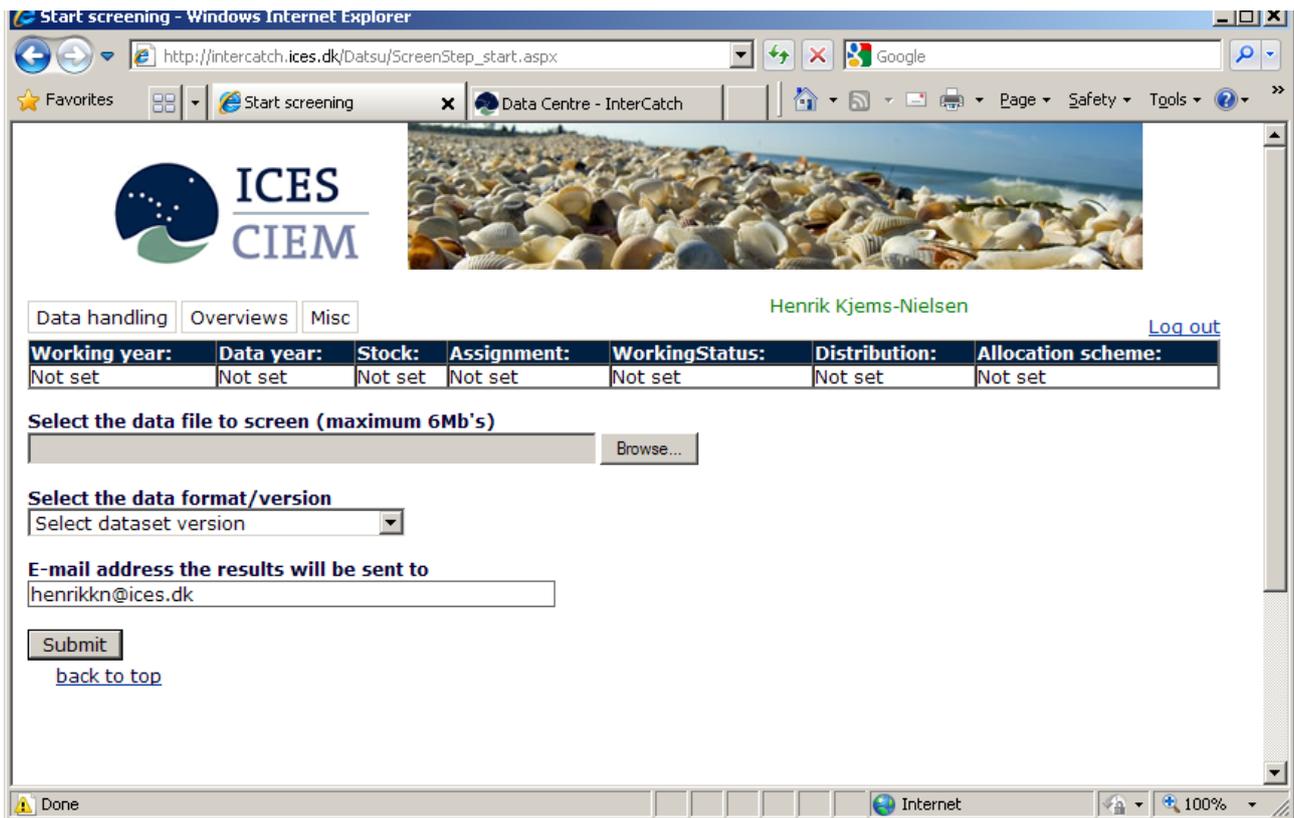


Under the menu ‘Data handling’ select the menu item ‘Import and Data Check’.

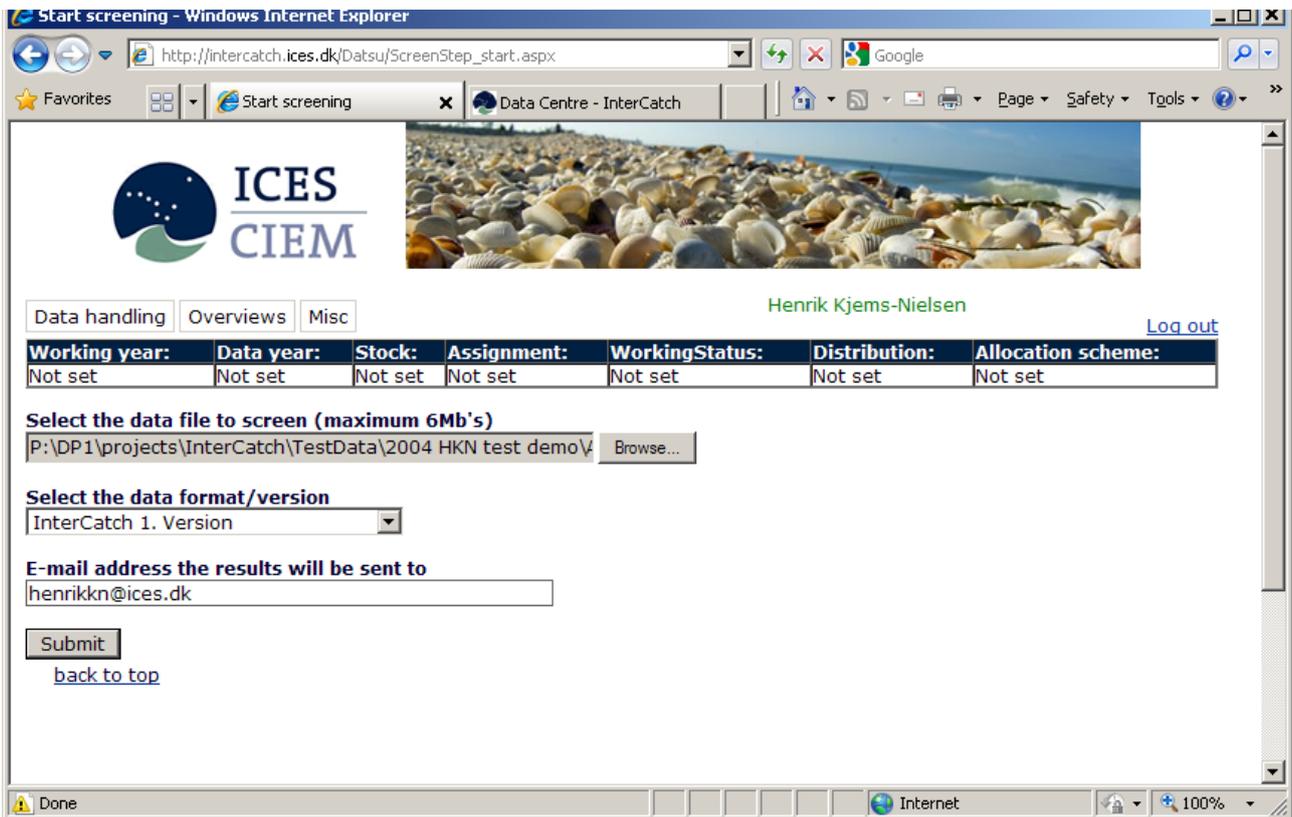
If there are corrections to a stratum e.g. catch weight (CATON) or sample data. The corrections should be made in the import file and the file should be imported again with a new file name, it will overwrite the previous imported data. Corrections and imports of the same data can be done any number of times, only the latest imported data will be available for the stock coordinator.

Only if the imported data cannot be overwritten by correct data, the import should be deleted by entering the ‘Delete Import Data’ page. So if the stratum of the wrong data is not exactly the same as the correct data, then it should be deleted. The stratum refers the combination of; Country, Year, SeasonType, Season, AreaType, FishingArea, Fleet, AreaQualifier, Species, CatchCategory and ReportingCategory. The data should be deleted if for example a wrong fleet have been used. Importing the data file with the correct fleet would not overwrite the data connected to the wrong fleet. The data connected to the correct fleet would just be added to all the available data, because it is a different stratum, so it would not overwrite the wrong stratum.

By entering the Import and Data Check field you will enter the main screen:



Complete the form, as shown on the next page.



In the field ‘Select the data format/version’ select:

- InterCatch 1. Version – for commercial catches and sample data
- InterCatch survey and logbook data – for survey and logbook data

Press ‘Submit’.

When the uploading is completed the next page will appear on your screen:

File summary - Windows Internet Explorer
 http://intercatch.ices.dk/Datsu/ScreenStep_FileSummary.aspx

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Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
Not set	Not set	Not set	Not set	Not set	Not set	Not set

File name: Ang-Kask Denmark-2005.csv
File delimiter: ;
Survey: InterCatch 1. Version
Quarter: Quarter
Country: DK
Monitoring year: 2005
Error limits: 100
Data submitter's e-mail: henrikkn@ices.dk

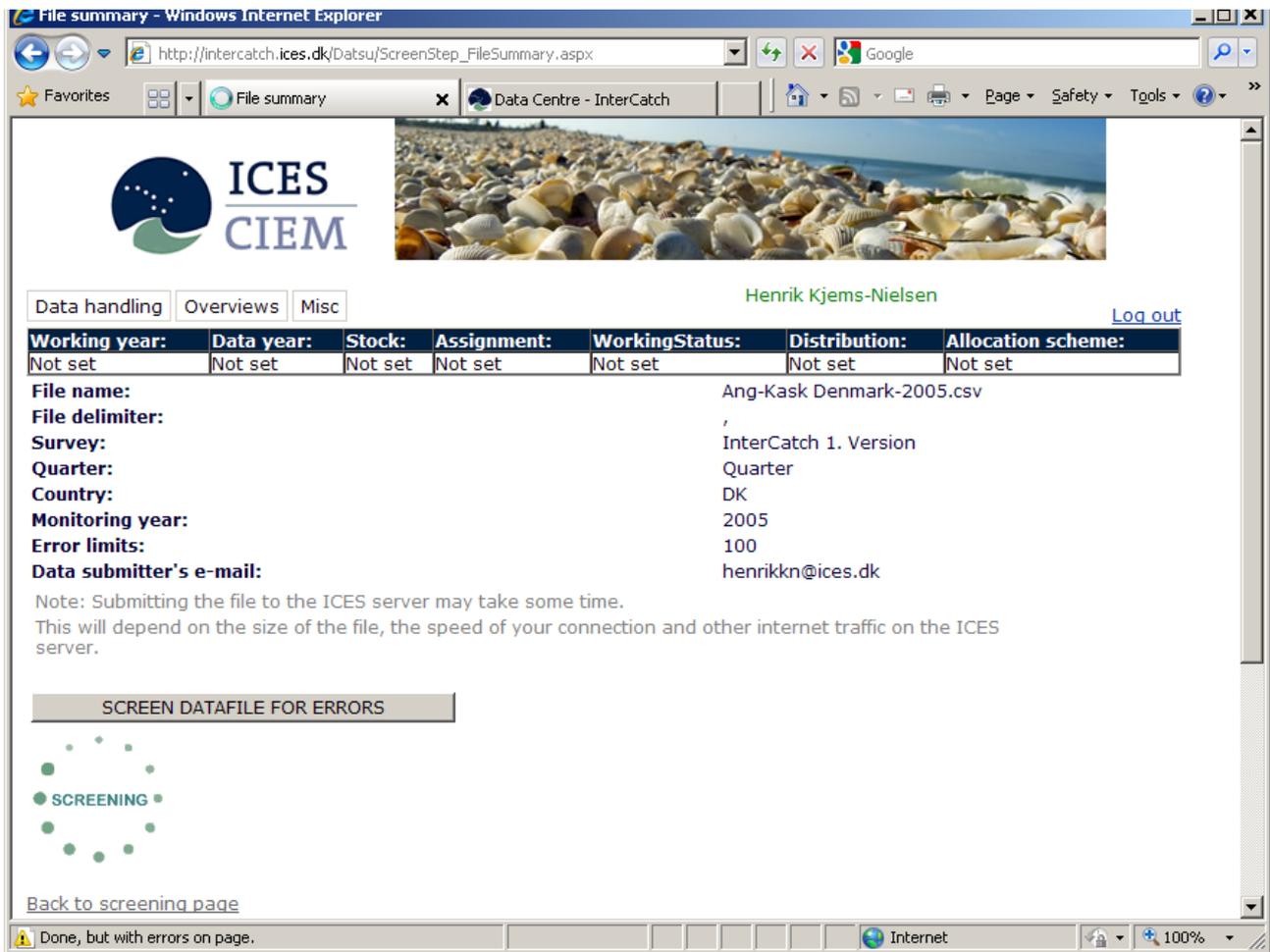
Note: Submitting the file to the ICES server may take some time.
 This will depend on the size of the file, the speed of your connection and other internet traffic on the ICES server.

SCREEN DATAFILE FOR ERRORS

[Back to screening page](#)
[back to top](#)

Done, but with errors on page. Internet 100%

Press 'SCREEN DATAFILE FOR ERRORS'



InterCatch will screen the file.

If the checking program has found any errors, these have to be corrected in the file and then the file have to be screened again.

To return to the screening program, press the 'Back to screening page' button at the bottom of the in page.

Screening results - Windows Internet Explorer

http://intercatch.ices.dk/Datsu/ScreenStep_results.aspx

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Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
Not set	Not set	Not set	Not set	Not set	Not set	Not set

Result from the ICES Data Screening Utility program for the following data:

Country: DK	Email: henrikkn@ices.dk
Dataset: InterCatch 1. Version	Submitting date: 26-01-2010 12:14:00
File name: Ang-Kask Denmark-2005.csv	Number of records in file: 32
Monitoring year: 2005	Max. Errors to return: 1000

Number of records per record type:

[Back to file summary](#)
[Back to screening page](#)
[back to top](#)

Done, but with errors on page. Internet 100%

If no errors are found the screen above will appear. Please press the 'Import data to InterCatch' button.

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Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
Not set	Not set	Not set	Not set	Not set	Not set	Not set

Data have been validated and loaded into the InterCatch database

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A message at the top of the page will inform the user of status for the import. When the catch data have been imported with no problems the message shown here is displayed.

If an error message is shown please contact the ICES Secretariat.

Annex I

InterCatch commercial catch and sample data

Example 1. Landing data for quarter 1, area division Ila, where only landing data (no SD-records) for metier SDN_DEF >=120_0_0_all, but for metier OTB_DEF_80-99_0_0 there is also age sample data (SD-records):

```
HI,UKS,2013,Quarter,1,SDN_DEF >=120_0_0_all,Div,Ila,NA,NA,25,NA
SI,UKS,2013,Quarter,1,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,L,R,NA,H,U,NA,t,500,500,-9
HI,UKS,2013,Quarter,1,OTB_DEF_80-99_0_0,Div,Ila,NA,NA,1000,NA
SI,UKS,2013,Quarter,1,OTB_DEF_80-99_0_0,Div,Ila,NA,AAS,NA,L,R,NA,H,U,NA,t,3677,3677,-9,Fleet which does most of the fishing,,
SD,UKS,2013,Quarter,1,OTB_DEF_80-99_0_0,Div,Ila,NA,AAS,NA,L,R,N,age,1,15,0,16,7410,16,1674,kg,k,year,cm,NA,2616.4,0.011,12.58,-9,-9,-9
SD,UKS,2013,Quarter,1,OTB_DEF_80-99_0_0,Div,Ila,NA,AAS,NA,L,R,N,age,2,15,0,16,7410,16,1674,kg,k,year,cm,NA,2701.4,0.043,19.31,-9,-9,-9
SD,UKS,2013,Quarter,1,OTB_DEF_80-99_0_0,Div,Ila,NA,AAS,NA,L,R,N,age,3,15,0,16,7410,16,1674,kg,k,year,cm,NA,2501.0,0.087,23.37,-9,-9,-9
SD,UKS,2013,Quarter,1,OTB_DEF_80-99_0_0,Div,Ila,NA,AAS,NA,L,R,N,age,4,15,0,16,7410,16,1674,kg,k,year,cm,NA,6200.8,0.134,26.34,-9,-9,-9
SD,UKS,2013,Quarter,1,OTB_DEF_80-99_0_0,Div,Ila,NA,AAS,NA,L,R,N,age,5,15,0,16,7410,16,1674,kg,k,year,cm,NA,4580.8,0.164,28.03,-9,-9,-9
SD,UKS,2013,Quarter,1,OTB_DEF_80-99_0_0,Div,Ila,NA,AAS,NA,L,R,N,age,6,15,0,16,7410,16,1674,kg,k,year,cm,NA,4456.8,0.176,28.68,-9,-9,-9
SD,UKS,2013,Quarter,1,OTB_DEF_80-99_0_0,Div,Ila,NA,AAS,NA,L,R,N,age,7,15,0,16,7410,16,1674,kg,k,year,cm,NA,2831.6,0.188,29.39,-9,-9,-9
SD,UKS,2013,Quarter,1,OTB_DEF_80-99_0_0,Div,Ila,NA,AAS,NA,L,R,N,age,8,15,0,16,7410,16,1674,kg,k,year,cm,NA,2051.5,0.197,29.82,-9,-9,-9
```

Example 2. Landing and discard data for quarter 4, area division Ila, metier SDN_DEF >=120_0_0_all, where there is one HI-record for landing and discard data (CATON/weight) and age sample data (SD-records) for both landings and discards:

```
HI,UKS,2013,Quarter,4,SDN_DEF >=120_0_0_all,Div,Ila,NA,NA,100,NA
SI,UKS,2013,Quarter,4,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,L,R,NA,H,U,NA,t,197,197,-9,,
SD,UKS,2013,Quarter,4,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,L,R,N,age,0,15,0,2,1377,2,254,kg,k,year,cm,NA,337.1,0.0112,11.94,-9,-9,-9
SD,UKS,2013,Quarter,4,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,L,R,N,age,1,15,0,2,1377,2,254,kg,k,year,cm,NA,288.8,0.0374,17.88,-9,-9,-9
SD,UKS,2013,Quarter,4,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,L,R,N,age,2,15,0,2,1377,2,254,kg,k,year,cm,NA,305.99,0.065,21.23,-9,-9,-9
SD,UKS,2013,Quarter,4,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,L,R,N,age,3,15,0,2,1377,2,254,kg,k,year,cm,NA,244.34,0.086,22.25,-9,-9,-9
SD,UKS,2013,Quarter,4,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,L,R,N,age,4,15,0,2,1377,2,254,kg,k,year,cm,NA,449.35,0.133,25.28,-9,-9,-9
SD,UKS,2013,Quarter,4,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,L,R,N,age,5,15,0,2,1377,2,254,kg,k,year,cm,NA,277.47,0.125,24.94,-9,-9,-9
SD,UKS,2013,Quarter,4,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,L,R,N,age,6,15,0,2,1377,2,254,kg,k,year,cm,NA,162.47,0.143,26.01,-9,-9,-9
SD,UKS,2013,Quarter,4,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,L,R,N,age,7,15,0,2,1377,2,254,kg,k,year,cm,NA,91.56,0.167,27.34,-9,-9,-9
SD,UKS,2013,Quarter,4,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,L,R,N,age,8,15,0,2,1377,2,254,kg,k,year,cm,NA,51.25,0.162,26.86,-9,-9,-9
HI,UKS,2013,Year,2013,SDN_DEF >=120_0_0_all,Div,Ila,NA,NA,-9,NA
SI,UKS,2013,Year,2013,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,D,R,NA,H,U,NA,t,197,0,-9,,
SD,UKS,2013,Year,2013,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,D,R,N,age,0,15,0,5,400,5,70,kg,k,year,cm,NA,337.76,0.011,11.94,-9,-9,-9
SD,UKS,2013,Year,2013,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,D,R,N,age,1,15,0,5,400,5,70,kg,k,year,cm,NA,288.55,0.037,17.88,-9,-9,-9
SD,UKS,2013,Year,2013,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,D,R,N,age,2,15,0,5,400,5,70,kg,k,year,cm,NA,305.09,0.067,21.23,-9,-9,-9
SD,UKS,2013,Year,2013,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,D,R,N,age,3,15,0,5,400,5,70,kg,k,year,cm,NA,244.74,0.082,22.25,-9,-9,-9
SD,UKS,2013,Year,2013,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,D,R,N,age,4,15,0,5,400,5,70,kg,k,year,cm,NA,449.55,0.133,25.28,-9,-9,-9
SD,UKS,2013,Year,2013,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,D,R,N,age,5,15,0,5,400,5,70,kg,k,year,cm,NA,277.97,0.125,24.94,-9,-9,-9
SD,UKS,2013,Year,2013,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,D,R,N,age,6,15,0,5,400,5,70,kg,k,year,cm,NA,162.17,0.143,26.01,-9,-9,-9
SD,UKS,2013,Year,2013,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,D,R,N,age,7,15,0,5,400,5,70,kg,k,year,cm,NA,91.026,0.167,27.34,-9,-9,-9
SD,UKS,2013,Year,2013,SDN_DEF >=120_0_0_all,Div,Ila,NA,AAS,NA,D,R,N,age,8,15,0,5,400,5,70,kg,k,year,cm,NA,51.185,0.162,26.86,-9,-9,-9
```

InterCatch survey and logbook data

The following is an example of a survey and logbook file (using the LS and LD record types) in the InterCatch format.

Normally the stock coordinator should import this WEST, Maturity and CPUE data

```
LS,UKE,OTB-DEF,COD-2532,2009,quarter,1,1,fd,4,year,age,g
LD,UKE,OTB-DEF,COD-2532,2009,quarter,1,1,0.3,487,1100
LD,UKE,OTB-DEF,COD-2532,2009,quarter,1,2,0.7,1622,12700
LD,UKE,OTB-DEF,COD-2532,2009,quarter,1,3,1.0,2413,20000
```

Annex II

Catch Category

The following matrix shows valid catch categories combination of the same stratum (Country, Year, SeasonType, Season, AreaType, FishingArea, Fleet, AreaQualifier, Species, CatchCategory and ReportingCategory), valid combinations are marked with X.

Catch is defined as containing both landings and discards. Therefore no landings or discards can be imported after catch data has been imported and vice verse.

		Catch data with the following Catch categories are valid to be imported into the same metier or stratum.				
		Landing (L)	BMS Landing (B)	Discard (D)	Registered Discard (R)	Catch (C)
Catch category already imported into InterCatch	Landing (L)	X	X	X	X	
	BMS Landing (B)	X	X	X	X	
	Discard (D)	X	X	X	X	
	Registered Discard (R)	X	X	X	X	
	Catch (C)					

X marks valid combinations

Reporting Category

The following matrix shows valid reporting categories combination to the same metier or stratum.

		Catch data with the following Reporting categories are valid to be imported into the same metier or stratum.						
		All (A)	Misreported (M)	Non reported (N)	Reported (R)	Reported & mis-reported (RM)	Reported and non reported (RN)	SOP corrections (S)
Reporting category already imported into InterCatch	All (A)	-	-	-	-	-	-	X
	Mis-reported (M)	-	-	X	X	-	X	X
	Non reported (N)	-	X	-	X	X	-	X
	Reported (R)	-	X	X	-	-	-	X
	Reported and mis-reported (RM)	-	-	X	-	-	-	X
	Reported and non reported (RN)	-	X	-	-	-	-	X
	SOP corrections (S)	X	X	X	X	X	X	-

X marks valid combinations

Annex III

Dealing with CatchCategory

In SD record type, data in the field “NumberCaught” multiplied with the field “MeanWeight” should always sum up to approximately the total catch field, “CATON” given in record type SI.

This means that if data are reported as CatchCategory (C)/Catch in SI record type, then “NumberCaught” in SD record type is the total number caught (total landings and discards) for the given age or length.

If data are reported as Landings (L) in SI record type, then “NumberCaught” in SD record type is the number landed for the given age or length.

If data are reported as Discards (D) in SI record type, then “NumberCaught” in SD record type is the number discarded for the given age or length.

If data are reported as Catch (C), then Landings (L) or Discards (D) data cannot be reported as well for the given age or length.

Dealing with Misreported Data

It is very important that all misreported catch data is imported in the same file, because only the latest imported misreported catch is used in InterCatch and all misreportings to an area is aggregated over the imported file.

To report misreported data from e.g. Baltic Sub-division 25 to Sub-division 27, include a SI record type with the data that should be moved:

CatchCategory = L or D or C

ReportingCategory = M

FishingArea = BAL25

DataToFrom = BAL27

CATON = - XXX (minus in front of value)

When data are imported InterCatch will automatically create an extra SI record type with the fields:

CatchCategory = L or D or C

ReportingCategory = M

FishingArea = BAL27

DataToFrom = null

CATON = XXX

A new HI record type must be created for the new SI record type, if needed.

It is suggested that SD records are not imported, sampled data can be allocated just like for any other catch. If it is wanted to specify the SD sample data records please remember to have negative NumbersCaught if the CATON value also is negative.

The following is an example of a file with only misreported data

HI,UKS,2009,Quarter,4,SC-ALL,Div,IVb,NA,NA,-9,NA

SI,UKS,2009,Quarter,4,SC-ALL,Div,IVb,NA,MAC,NA,L,M,IVa,H,U,NA,t,-116.0,-9,-9,,

HI,UKS,2009,Quarter,4,SC-ALL,Div,VIa,NA,NA,-9,NA

SI,UKS,2009,Quarter,4,SC-ALL,Div,VIa,NA,MAC,NA,L,M,IVa,H,U,NA,t,-1959.134,-9,-9,,

HI,UKS,2009,Quarter,4,SC-ALL,Div,IVc,NA,NA,-9,NA

SI,UKS,2009,Quarter,4,SC-ALL,Div,IVc,NA,MAC,NA,L,M,IIB,H,U,NA,t,-10.0,-9,-9,,

SI,UKS,2009,Quarter,4,SC-ALL,Div,IVc,NA,MAC,NA,L,M,IVa,H,U,NA,t,-400.0,-9,-9,,

HI,UKS,2009,Quarter,4,SC-ALL,Div,IIa,NA,NA,-9,NA

SI,UKS,2009,Quarter,4,SC-ALL,Div,IIa,NA,MAC,NA,L,M,IIB,H,U,NA,t,-100.0,-9,-9,,

SI,UKS,2009,Quarter,4,SC-ALL,Div,IIa,NA,MAC,NA,L,M,IIIa,H,U,NA,t,-333.0,-9,-9,,

Since only one misreported record per stratum can be created from each misreported file, InterCatch aggregate all misreported catches to an area before creating the automatically created misreported record.

If data are moved from one stock to another, the stock co-ordinator is automatically informed.

5 Change Log

Date	Ver.	Responsible	Page ref.	Change description
23.02.2007	1.3	HKN	All	Document revised
11.03.2009	1.4	HKN	All	Fleet field updated
01.06.2010	1.5	HKN	3, 9	Female and male data must be imported together, Anna O. updated
07.09.2010	1.6	HKN	3,6,7 9,12, 21	ReportingCategory Misreported further specified, and general updates.
18.01.2011	1.7	HKN	All	Import of Tuning Fleets, WEST and Maturity under the format Survey and Logbook data. Update of chapter 'Screening data'
18.11.2011	1.8	HKN	3, 10, 9, 1	Update Unit Effort. NumbersCaught. Sex. SI Catch category description. HI record fixed HI field
04.03.2015	1.9	HKN	5, 7, 9, 12	Update Effort, Reporting Category, Sex
06.01.2016	1.10	HKN	1, 2, 6, 10,13, 26, 27	Format link, Overwriting rule added, Catch categories added 'B' and 'R', Meanlength text, Examples of import files, Catch categories allowed.
27.02.2017	1.11	HKN	2, 3, 5, 9	Import age data first - length last. Areas are using Arabic numbers.
23.01.2023	1.12	HKN	8	Text update for field OffLandings which have the same unit as in 'UnitCATON'.