

# InterCatch

## User Manual

Document version 1.12



International Council for the Exploration of the Sea  
Conseil International pour l'Exploration de la Mer

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### 1 Introduction

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The InterCatch information system is designed as a simplified uniform data handler for fisheries commercial catch data submitted to ICES. InterCatch includes facilities for processing national data, interpolation of missing age or length data and quality checks. This results in input files for fisheries assessment and assessment models, as well as standard tables for working group reports.

InterCatch facilitates stock coordinators in keeping track of the available national data.

Any queries regarding this User Manual can be made to InterCatch Project Manager Henrik Kjems-Nielsen ([henrikkn@ices.dk](mailto:henrikkn@ices.dk)) or InterCatch Data Officer Anna Osypchuk ([anna.osypchuk@ices.dk](mailto:anna.osypchuk@ices.dk)).

### 2 Information and access

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InterCatch is a web based application that can be accessed from:

<http://intercatch.ices.dk/login.aspx>

The client requirement is an up to date internet browser.

The InterCatch web page can only be accessed by users that are set up as users of InterCatch.

Only catch data files which in the InterCatch Exchange Format can be imported. A description of the format can be downloaded from:

<http://www.ices.dk/InterCatch>

### 3 Essential concepts in InterCatch

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It is important to understand that in InterCatch there are two basic concepts:

- Stock and Year
- Allocation scheme

Beside these two essential concepts, it is important to know that InterCatch can handle both age and length composition data for a stock. The stock coordinator determined if the imported sampled catch data should be with age or length composition. But there are no age-length-keys in InterCatch this means that, data cannot be converted from e.g. length data to age data. The conversion from length data to age data using age-length-keys have to be done before data are imported into InterCatch

#### 3.1 Stock and Year: 'Trial' or 'Final'

An imported dataset can either, by the user, be set to be a 'Trial' or a 'Final' status. The user has to at all times to specify which Stock and Year, which means, which data set the user wants to work with. The use of the two different Stock and Year/datasets makes it possible to work with two different datasets; a draft and a final set. A data set can either be in Stock and Year 'Trial' (yellow in figure 1) or 'Final' (orange).

Data sets in the Final status cannot be deleted, but improved Trial data can be saved as to overwrite the old Final dataset. See '**Calculate Distributions from Allocation Scheme**'

#### 3.2 Allocation scheme

Another main concept in InterCatch is the possibility to fill in missing age or length data from unsampled catches by an Allocation. Unsampled data can be interpolated with data from sampled, similar data sets. Together with the weighting key (when using more than one data set) this forms the Allocation scheme.

The allocation schemes are direct linked to either the 'Final' or the 'Trial' Stock and Year. This means that if a dataset in the 'Trial' Stock and Year are saved as a 'Final', the 'Final' dataset is overwritten and the linked allocation schemes are also deleted. This means that if stock coordinator has made a allocation scheme in the 'Final' Stock and Year, and want to overwrite it. The stock coordinator has to copy the allocation scheme from 'Final' Stock and Year to 'Trial' Stock and Year, before she overwrites the 'Final' dataset with the 'Trial'.

The stock coordinator can make any number of allocation schemes in both 'Trial' and 'Final' Stock and Year. Of course only *one* (the optimal) allocation scheme can be used to calculate the final age or length data for the unsampled catches, which are going to be used in the Virtual Population Analysis or advice. But any number of output calculations from different allocation schemes can be exported out of InterCatch and compared if needed.

#### 3.3 Steps in InterCatch

The InterCatch menu under the menu 'Data handling' consist of 14 menu items.

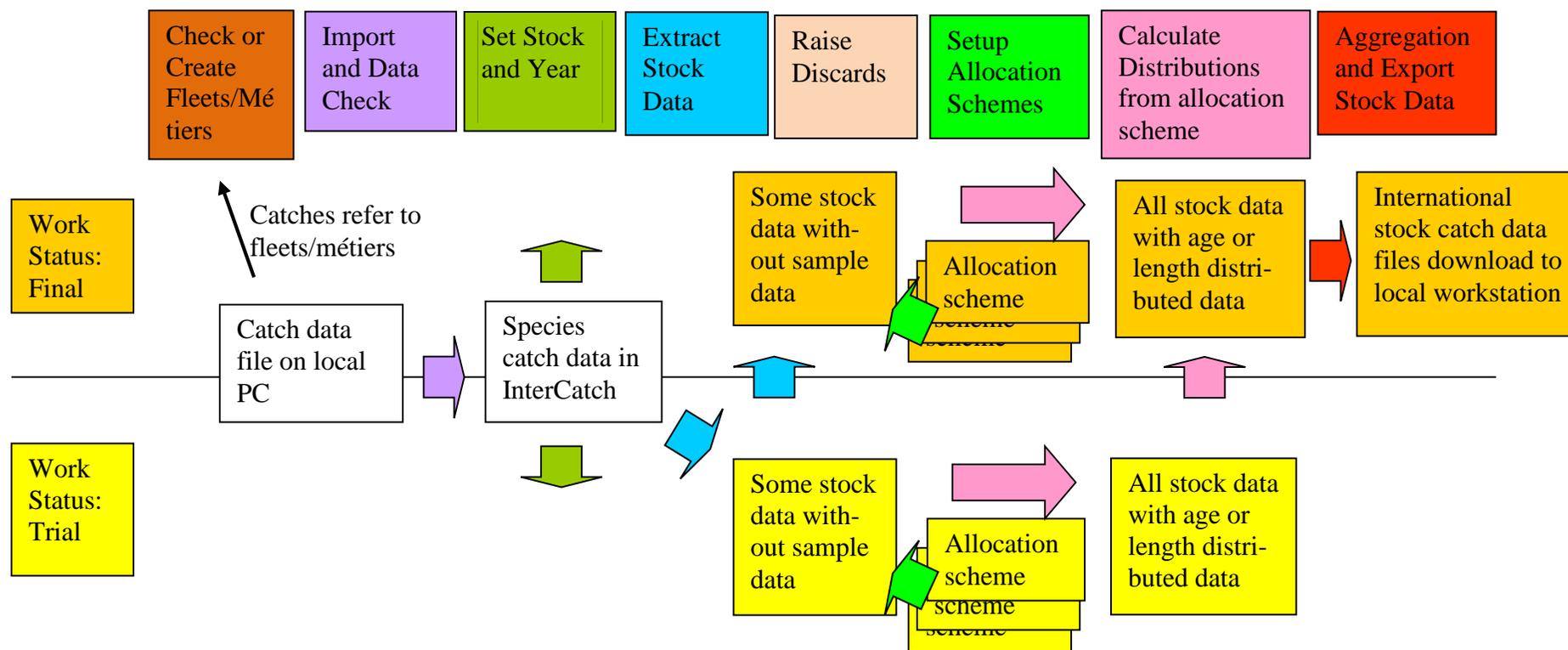
InterCatch functionality consists of 7 main steps:

- 1. Create Fleets/Metiers
- 2. Import and Data Check
- 7. Set Stock and Year/workingspace
- 8. Extract and View imported Stock/Year Data
- 11. Setup or Check Allocation Schemes
- 12. Calculate Distributions from Allocation Scheme
- 14. Aggregate and Export Stock Data

The additional functionalities are:

- 3. Advanced Data Check
- 4. Delete Import Data
- 5. Check Stock Areas
- 6. Create and Close Stock and Year
- 9. Revision of Previous Years Data
- 10. Setup Raised Discards
- 13. View Calculated Distributions

Any numbers of Data Submitter, normally one Data Submitter from each country can import species data into InterCatch. But the Stock coordinator is finally responsible and can have an overview of the data available. Only the stock coordinator can work on Allocation schemes. The format for the files to be uploaded in InterCatch can be found in the Exchange Format manual.



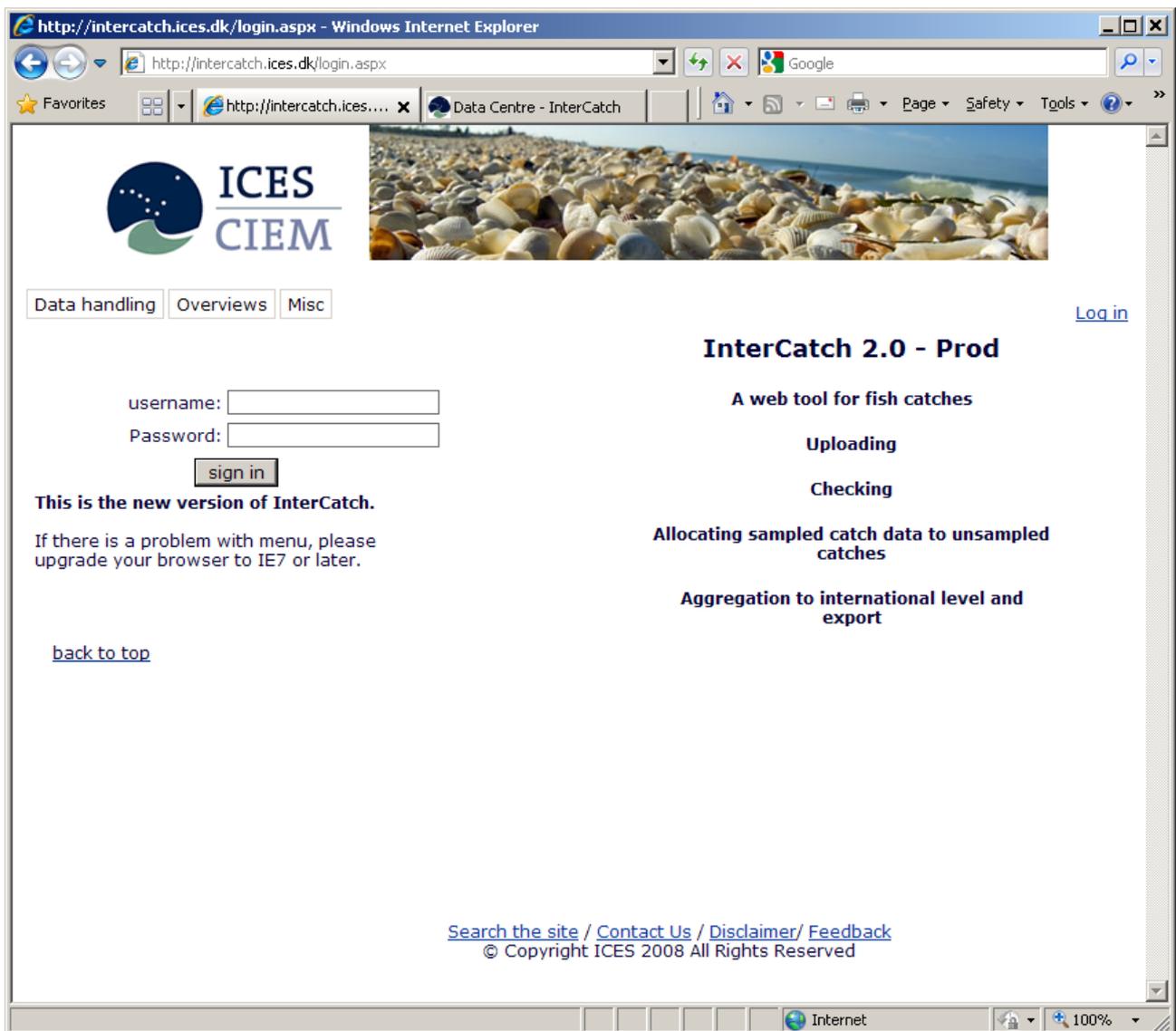
7 main steps in InterCatch	1. Check or Create Fleets/Métiers	2. Import and Data Check	7. Set Stock and Year/ Workingspace	8. Extract and View Imported Stock/Year Data	10. Raise Discards	10. Setup or Check Allocation Scheme	11. Calculate Distributions from Allocation Scheme	13. Aggregate and Export Stock Data
Stock and Year must be specified	No	No	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>
Allocation scheme must be specified	No	No	No	No	No	<b>Yes</b>	<b>Yes</b>	No

Figure 1. Diagram of the seven main steps in InterCatch, where Stock and Year 'Trial' is yellow and Stock and Year 'Final' is orange. The table below shows in which steps it is needed to specify Stock and Year and Allocation scheme.

## 4 Logging on

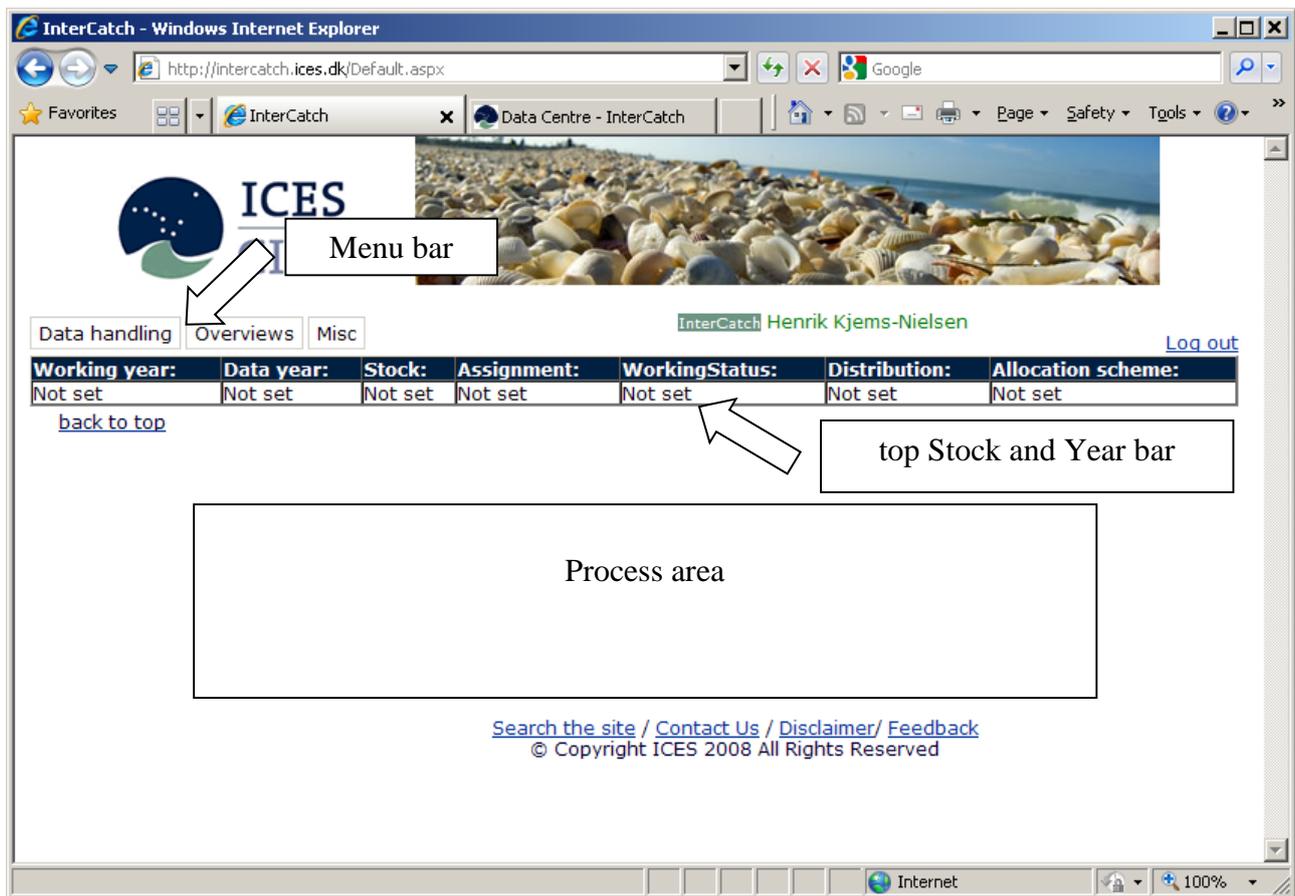
Go to the internet page: <http://intercatch.ices.dk/login.aspx>

To log on to InterCatch the user has to enter a username and a password. A user must first be created in InterCatch, please contact InterCatch Project Manager Henrik Kjems-Nielsen ([henrikkn@ices.dk](mailto:henrikkn@ices.dk)) or InterCatch Data Officer Anna Osypchuk ([anna.osypchuk@ices.dk](mailto:anna.osypchuk@ices.dk)).



The main screen of InterCatch

On the left hand side, log on using your e-mail address and the password received.



The InterCatch interface is divided into 3 parts:

1. **Current Stock and Year**– the **top bar** of the window
2. **Menu bar**– the very **top left part** of the window
3. **Process area** with different windows depending on what is selected in the menu – the **lower part** of the window

Choose your next plan of action by clicking on:

- **Data handling** in the menu. You will see the following menu items

InterCatch - Windows Internet Explorer

http://intercatch.ices.dk/Default.aspx

ICES CIEM

Henrik Kjems-Nielsen [LOG OUT](#)  
Last updated: Tuesday, May 31, 2011, 1:53:29 PM

[Data handling](#) | [Overviews](#) | [Misc](#) | [Change password](#)

1. Check or Create Fleets/Metiers
2. Import and Data Check
3. Advanced Data Check
4. Delete Import Data
5. Check Stock Areas
6. Create and Close Stock and Year
7. Set Stock and Year/Workspace
8. Extract and View Imported Stock/Year Data
9. Revisions of Previous Years Catches
10. Setup Unreported Discards
11. Setup or Check Allocation Scheme
12. Calculate Distributions from Allocation Schemes
13. View Calculated Distributions
14. Aggregate and Export Stock Data

Innment:	WorkingStatus:	Distribution:	Allocation scheme:
et	Not set	Not set	Not set

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Internet 100%

## 5 Data handling

### 5.1 Check or Create Fleet/Metiers

Select the first menu item under Data handling.

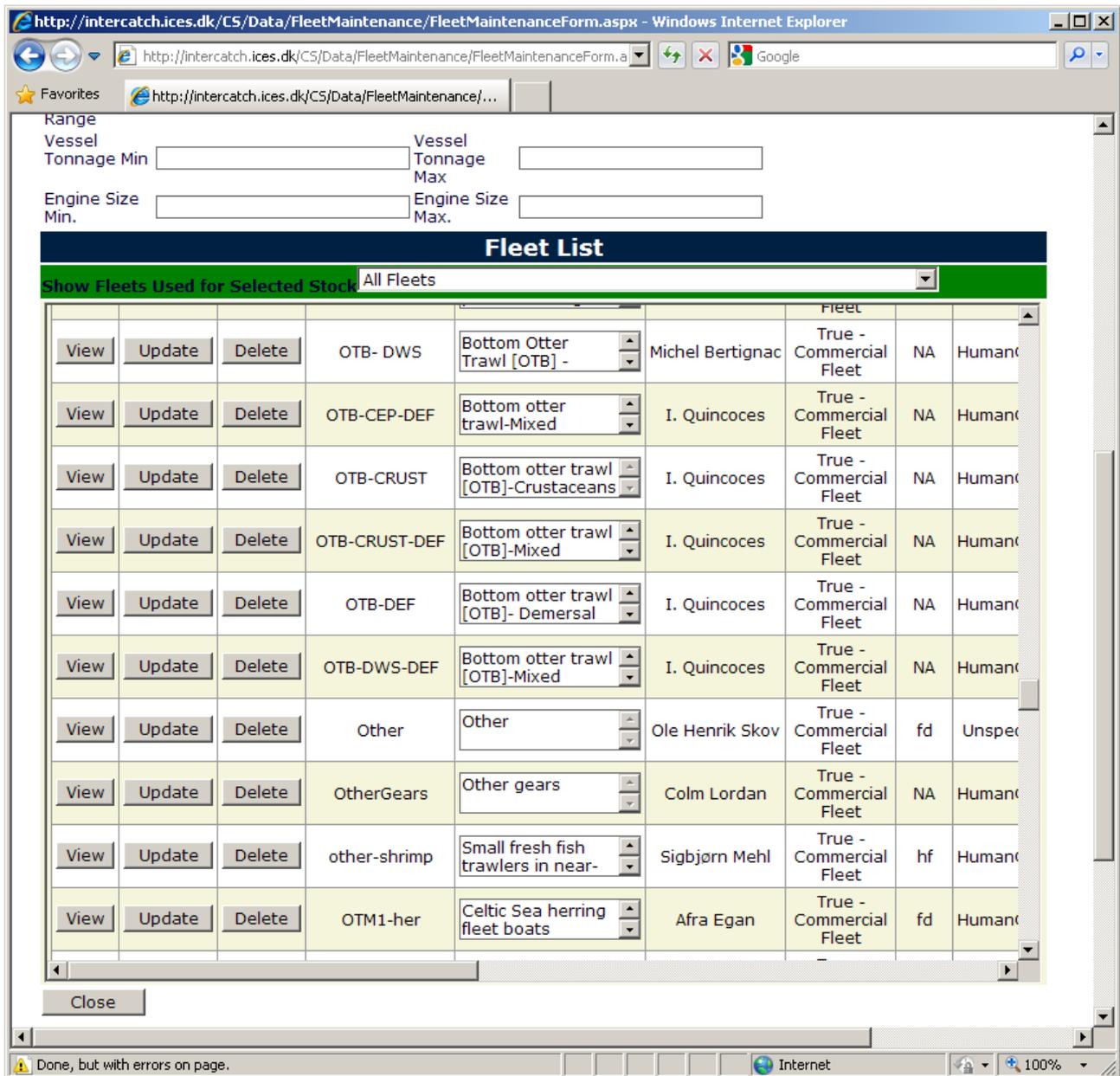
The screenshot shows the 'Fleet Maintenance Form' in a Windows Internet Explorer browser. The page header includes the ICES CIEM logo and a navigation menu with items: Data handling, Overviews, Misc, Change password, and a user profile for Henrik Kjems-Nielsen with a 'LOG OUT' link. A status bar indicates the user was last updated on Friday, January 28, 2011, at 11:52:28 AM. Below this is a table with columns: Working year, Data year, Stock, Assignment, WorkingStatus, Distribution, and Allocation scheme, all showing 'Not set'. A green banner reads 'Fleet Add or Update' with the note 'Only Stock Coordinators can insert or update and delete their own fleets'. The form contains three buttons: 'Add New Fleet', 'Update Selected Fleet', and 'Clear Selection'. The form fields include: Fleet Name, Description, Stock Coordinator, Commercial Fleet, Unit Effort, Fleet Type, Gear Class, Gear Group, Gear Type, Target Species Group, Mesh Size Min., Mesh Size Max., Selectivity Device, Selectivity Mesh Size Min., Vessel Length Range, Vessel Type, Vessel Tonnage Min., Vessel Tonnage Max., Engine Size Min., and Engine Size Max. Below the form is a 'Fleet List' section with a dropdown menu for 'Show Fleets Used for Selected Stock'. The browser status bar at the bottom shows 'Done, but with errors on page.' and 'Internet'.

Before data can be imported, the fleets which the catches relate to must be created a Stock coordinator and it must be checked by the Data submitters that it is created.

Fleets do not belong to a stock or a country as default but if a fleet is stock and/or country specific then it of course can be created for that purpose, and then the fleet name should indicate it and the description should state it clearly, because there is nothing that no functionality that hinders others stocks or countries to use any fleets. This of course also means a fleet, created by a stock coordinator aimed at a specific stock, can also be used by data submitters and stock coordinators for another stock. This means that the fleets are completely

control by the stock coordinators and it is their responsibility. Therefore it is suggested to use fleets which are general and in line with or the same as what is going to be standard under the European Commission's Data Framework. The fleets in InterCatch can be specified to a level equivalent with the European Commission's Data Collection Framework.

The procedure suggested regarding use of fleets is that the Stock coordinators determine which fleet to use for her/his stock agreed by the Data submitters. The Stock coordinators should contact other Stock coordinators which might use the same fleets. Then the Stock coordinators check if the fleets already exist, if not the Stock coordinators will create the fleets needed. Before the Data submitters are using a fleet name in the imported catch data, the Data submitters will check that the fleets exist; if not, the Data submitters should contact the Stock coordinator.



A fleet is checked by entering the Fleet Maintenance screen, when first entered the screen is empty. In the middle there is a dropdown box 'Show Fleets Used for Selected Stock'. Here the Data submitters can select the stock they want to import and then a list of all the Fleets which at this time have been referred to by a catch. This means that if nobody has related a catch to a just created Fleet the Data submitters will not see it in the list until the first time somebody have imported a catch, which is referring to the new fleet. Therefore if a Fleet is not found under the stock, then select 'All Fleets' in the dropdown box, if the fleet does not appear here the fleet needs to be created.



When creating a fleet not all fields have to be filled in, only the following mandatory fields must be filled in: Fleet Name, Description, Stock Coordinator, Commercial Fleet, Unit Effort and Fleet Type

If a newly created fleet have not been referred to by any imported catches, then the stock coordinator can update any field or delete the fleet.

When a fleet have been referred to by just a single catch, the fleet cannot be deleted and only optional fields can be updated/changed.

The stock coordinator who creates a fleet is the owner of that fleet, this means that if the fleet is used by several stocks, other stock coordinators which also use/ refer to this fleet, cannot update/change the optional fields. Only the stock coordinator who created the fleet can do that.

## 5.2 Import and Data Check

InterCatch Henrik Kjems-Nielsen [Log out](#)

Comment:	WorkingStatus:	Distribution:	Allocation scheme:
et	Not set	Not set	Not set

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NOTE: The format for the files to be uploaded in InterCatch can be found in the InterCatch Exchange Format manual.

If both a file with catches with age samples and a file with catches with length samples should be imported for the same species, then **import the catches with age samples first and always last the catches with length samples**. If not length samples could be ignored.

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, season, area, fleet, species, catch category and reporting category. 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:



<a href="#">Data handling</a>	<a href="#">Overviews</a>	<a href="#">InterCatch- Misc</a>	<a href="#">Change password</a>	<a href="#">Henrik Kjems-Nielsen</a> <a href="#">LOG OUT</a> Last updated: 01 April 2014, 16:14:48		
<b>Working year:</b>	<b>Data year:</b>	<b>Stock:</b>	<b>Assignment:</b>	<b>WorkingStatus:</b>	<b>Distribution:</b>	<b>Allocation scheme:</b>
2014	2013	aas-arct	WG	Trial	Age	Not set

Select the data file to screen (maximum 6Mb's)

The following characters are not valid in the filename: /, \, ?, %, \*, :, |, ", <, >, &

Select the data format/version

E-mail address the results will be sent to



**If you need to see an overview of data imported into Intercatch, then please click on the link below:**

[Import overview](#)

If both a file with catches with age samples and a file with catches with length samples should be imported for the same species, then **import the catches with age samples first** and **always last the catches with length samples**. If not length samples could be ignored.

Please brows to the file which should be imported. Select the data format and press submit to screen the file.

It is also possible to compare the data for a specific species from a year with data from a previous year if you press the link 'Import overview' at the bottom of the page. Please see the next page

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Data handling | Overviews | InterCatch- Misc | Change password | Henrik Kjems-Nielsen | LOG OUT | Last updated: 01 April 2014, 16:17:07

Working year: 2014 | Data year: 2013 | Stock: bass-arct | Assignment: IJG | WorkingStatus: IJG | Distribution: Age | Allocation scheme: Not set

Select import year: 2013 | Compared year: 2012

Select species: COD

Please change the "Compared year" to the year before the import year. Then please press the 3 View buttons for the: Matching, Missing or New strata. To view all the data just imported for a species please select the same "Compared year" as the "Select import year".

208 matching strata: View | 50 missing strata: View | 60 new strata: View | Find stratas by keyword: Find

Displaying Matching stratas for 2013- (current) when compared with 2012

Import year sample data	Stratum creation date for import year	Species	Country	Area	Area type	Season	Season type	Catch category	Reporting category	Data To From	Fleet/Metier	CATON for import year in kg	CATON for compared year in kg	CATON difference	Caton difference in Percentage	Import year has sample data	Compared stratum has sampled data	Stratum creation date for compared year	Compare sample data
<a href="#">View</a>	21/03/2014 20:09:17	COD	Denmark	BAL25	SubDiv	1	Quarter	Landings	A All	-9	Active	1,611,829.000	6,084,036.000	4,472,207	73.51%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	20/03/2013 20:15:36	<a href="#">View</a>
<a href="#">View</a>	21/03/2014 20:09:17	COD	Denmark	BAL25	SubDiv	2	Quarter	Landings	A All	-9	Active	2,093,056.000	3,390,853.000	1,297,797	38.27%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	20/03/2013 20:15:36	<a href="#">View</a>
<a href="#">View</a>	22/03/2014 00:35:20	COD	Denmark	BAL24	SubDiv	1	Quarter	Discards	A All	-9	Active	1,141,324.000	107,379.000	1,033,945	962.89%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	20/03/2013 21:24:36	<a href="#">View</a>
<a href="#">View</a>	21/03/2014 20:10:42	COD	Denmark	BAL24	SubDiv	2	Quarter	Landings	A All	-9	Active	377,907.000	1,195,222.000	817,315	68.38%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	20/03/2013 20:13:33	<a href="#">View</a>
<a href="#">View</a>	21/03/2014 20:09:17	COD	Denmark	BAL26	SubDiv	1	Quarter	Landings	A All	-9	Active	807,867.000	129,592.000	678,275	523.39%	<input type="checkbox"/>	<input type="checkbox"/>	20/03/2013 20:15:36	<a href="#">View</a>
<a href="#">View</a>	21/03/2014 20:09:17	COD	Denmark	BAL25	SubDiv	4	Quarter	Landings	A All	-9	Active	431,451.000	1,075,478.000	644,027	59.88%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	20/03/2013 20:15:36	<a href="#">View</a>
<a href="#">View</a>	21/03/2014 20:10:42	COD	Denmark	BAL24	SubDiv	3	Quarter	Landings	A All	-9	Active	323,967.000	777,428.000	453,461	58.33%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	20/03/2013 20:13:33	<a href="#">View</a>
<a href="#">View</a>	28/03/2014 18:20:54	COD	Denmark	IJG	SubDiv	4	Quarter	Discards	A All	-9	OTB CRU 90-119 0 0 all	154.656.000	532.601.000	377.945	70.96%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	23/03/2013 18:20:54	<a href="#">View</a>

In this page you can select a year (typically the previous year) and a species, for which you want to compare the imported strata for a species with the strata from a previous year to check that all data/strata have been imported for the current year.

In the overview you can see how many strata which are the same or matching strata from the selected compared year for the species, in this case 208 matching strata. Or how many strata which are missing compared with the compared year, in this case 50. Or how many strata which are new this year, in this case there are 60 new strata. In the table below all the strata for the selected type of strata is shown

When seeing the overview of the matching strata both the current year's CATON and the compared year's CATON are shown. Also the actual difference for CATON and the difference in percentage is shown. It is possible to order the strata according to the difference by clicking the header text in the dark blue header row.

Please click the View button to see missing or new strata.



Data handling	Overviews	InterCatch- Misc	Change password	Henrik Kjems-Nielsen <a href="#">LOG OUT</a>		
Last updated: 01 April 2014, 16:17:07						
<b>Working year:</b>	<b>Data year:</b>	<b>Stock:</b>	<b>Assignment:</b>	<b>WorkingStatus:</b>	<b>Distribution:</b>	<b>Allocation scheme:</b>
2014	2013	aaS-arct	WG	Trial	Age	Not set

Select import year:  Compared year:

Select species:

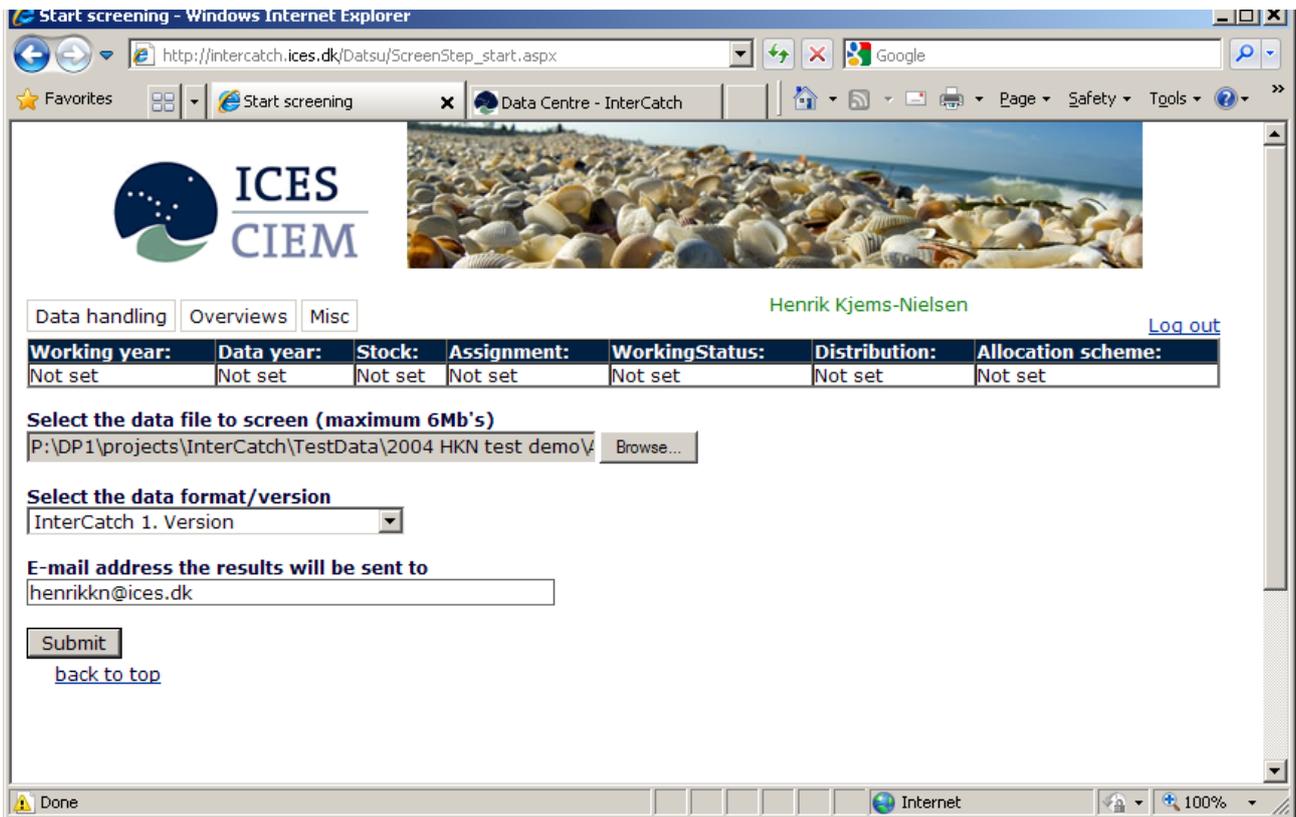
Please change the "Compared year" to the year before the import year. Then please press the 3 View buttons for the: Matching, Missing or New strata. To view all the data just imported for a species please select the same "Compared year" as the "Select import year".

208 matching strata:  50 missing strata:  60 new strata:  Find stratas by keyword

Displaying **Missing stratas for 2013- (current) when compared with 2012**

Species	Country	Area	Area type	Season	Season type	Catch category	Reporting category	Data To From	Fleet/Metier	CATON for compared year in kg	Compared stratum has sampled data	Stratum creation date for compared year	Compared sample data
COD	Denmark	IV	SubArea	2012	Year	Discards	A All -	-9	OTB_DEF_>=120_0_0_all	181,578	<input checked="" type="checkbox"/>	23/03/2013 12:33:54	<a href="#">View</a>
COD	Denmark	IV	SubArea	3	Quarter	Landings	A All -	-9	SSC_DEF_>=120_0_0_all_FDF	107,991	<input checked="" type="checkbox"/>	22/03/2013 13:41:51	<a href="#">View</a>
COD	Denmark	BAL26	SubDiv	4	Quarter	Discards	A All -	-9	Active	98,327	<input checked="" type="checkbox"/>	20/03/2013 21:14:34	<a href="#">View</a>
COD	Denmark	IV	SubArea	2012	Year	Discards	A All -	-9	OTB_DEF_>=120_0_0_all_FDF	66,314	<input checked="" type="checkbox"/>	23/03/2013 12:33:54	<a href="#">View</a>
COD	Denmark	IV	SubArea	2012	Year	Discards	A All -	-9	GNS_DEF_120-219_0_0_all	58,916	<input checked="" type="checkbox"/>	23/03/2013 12:33:54	<a href="#">View</a>
COD	Denmark	IV	SubArea	4	Quarter	Landings	A All -	-9	SSC_DEF_>=120_0_0_all_FDF	40,117	<input checked="" type="checkbox"/>	22/03/2013 13:41:51	<a href="#">View</a>
COD	Denmark	IV	SubArea	1	Quarter	Landings	A All -	-9	LLS_FIF_0_0_0_all	20,359	<input checked="" type="checkbox"/>	22/03/2013 13:41:51	<a href="#">View</a>
COD	Denmark	IIIaN	SubDiv	3	Quarter	Landings	A All -	-9	SSC_DEF_>=120_0_0_all_FDF	18,467	<input checked="" type="checkbox"/>	22/03/2013 13:41:51	<a href="#">View</a>

In the example shown above the missing strata are shown.



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

InterCatch works with the commercial catches and sample data all functionalities are related to these data.

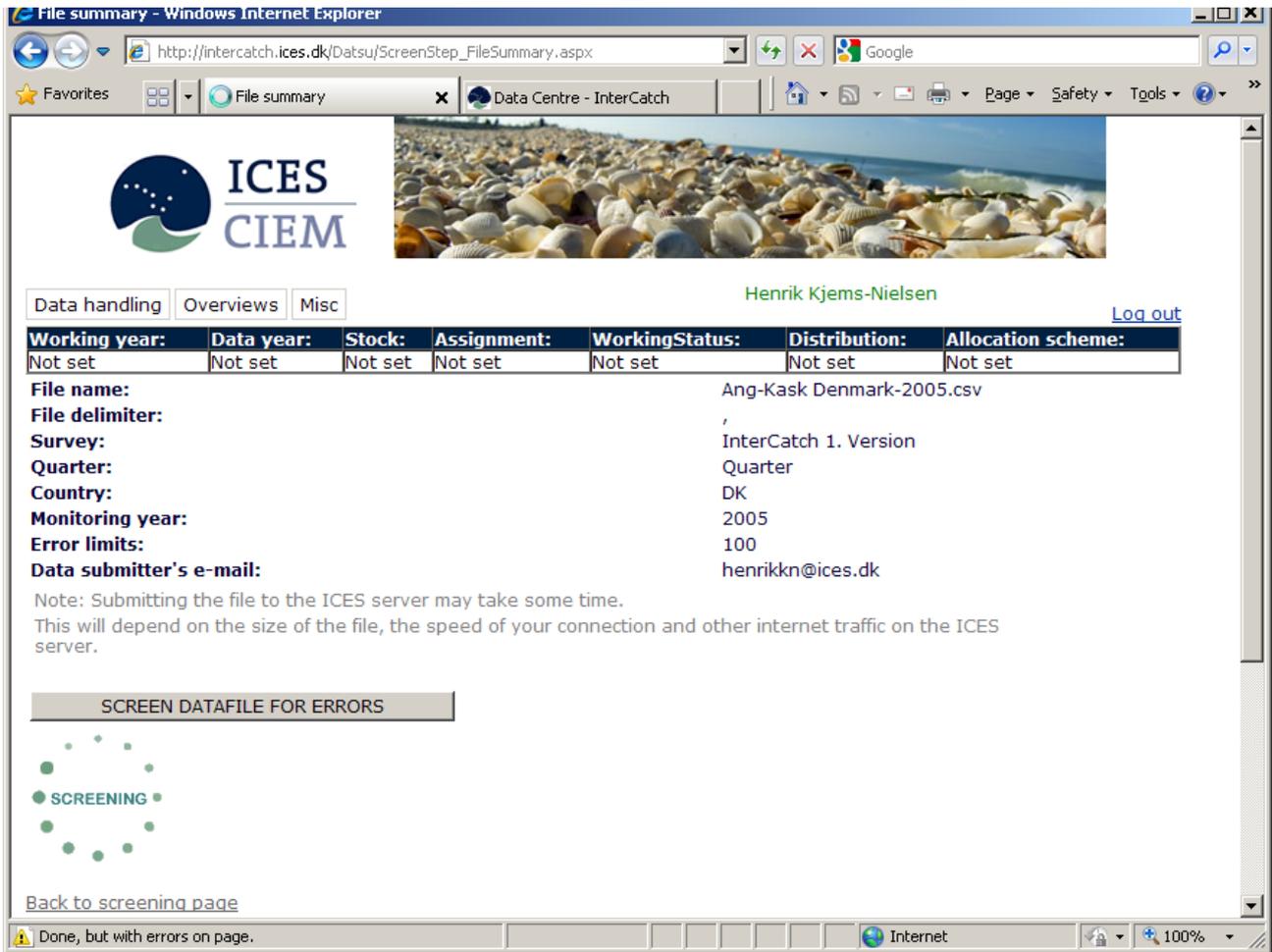
The survey and logbook data is the tuning fleets (CPUE aggregated data), mean weight in stock (WEST) and maturity (the maturity rate in decimal). These data can be imported under the import pages and be exported under the export page. No handling/manipulation of these data are done in InterCatch, the data is purely imported to complete the stock assessment documentation.

Press 'Submit'.

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



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.



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

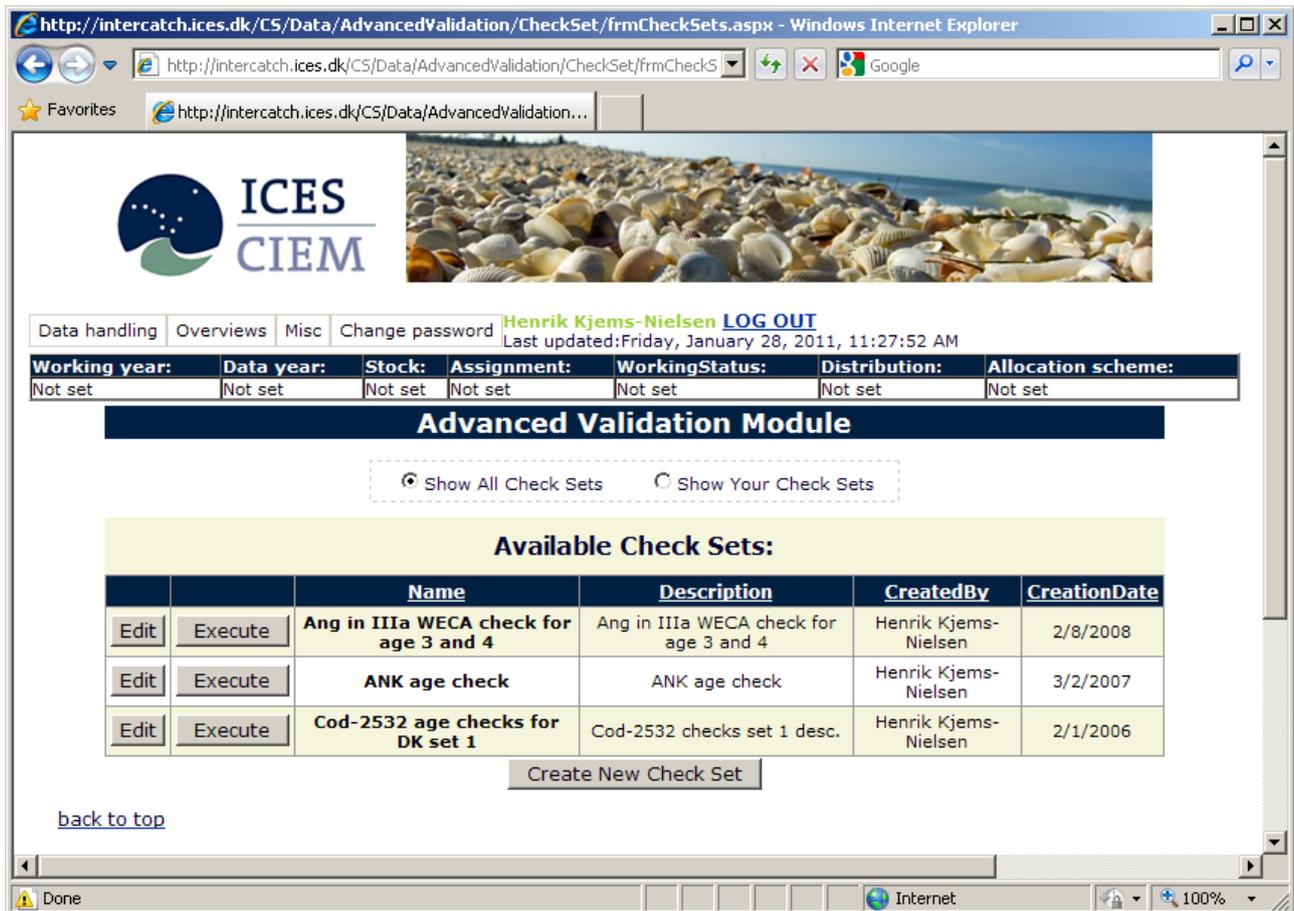
The screenshot shows the InterCatch web application interface. At the top, there is a navigation bar with the ICES CIEM logo and various menu items like 'EXPLORE US', 'NEWS AND EVENTS', 'MARINE DATA', 'PUBLICATIONS', and 'COMMUNITY'. Below the navigation bar, there are several tabs: 'Data handling', 'Overviews', 'InterCatch- Misc', 'Change password', and 'LOG OUT'. A status bar shows 'Working year: Not set', 'Data year: Not set', 'Stocks: Not set', 'Assignment: Not set', 'WorkingStatus: Not set', 'Distribution: Not set', and 'Allocation scheme: Not set'. A prominent yellow message box states: 'Data have been validated and loaded into the InterCatch database'. Below this message, there are instructions and a table of data. The table has columns for 'Import year sample data', 'Stratum creation date for import year', 'Species', 'Country', 'Area', 'Area type', 'Season', 'Season type', 'Catch category', 'Reporting category', 'Data To From', 'Fleet/Metier', 'CATON for import year in kg', 'CATON for compared year in kg', 'CATON difference', 'Caton difference in Percentage', 'Import year has sample data', 'Compared stratum has sampled data', 'Stratum creation date for compared year', and 'Compared sample data'. The table contains several rows of data for the year 2013, showing various strata and their corresponding CATON values and differences.

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 follow the instructions, normally cut the imported file into a much smaller file maybe a few lines and import a few lines. Then add the data lines to the file until you can identify the error, if it is still not possible to identify the error please contact the ICES Secretariat.

### 5.3 Advanced data check

Menu item: 3. Advanced Data Check



The advanced validation is not needed in the process of producing stock data for the assessment working groups. But it is a useful tool to check if any values are over or under expected limits or out of expected range.

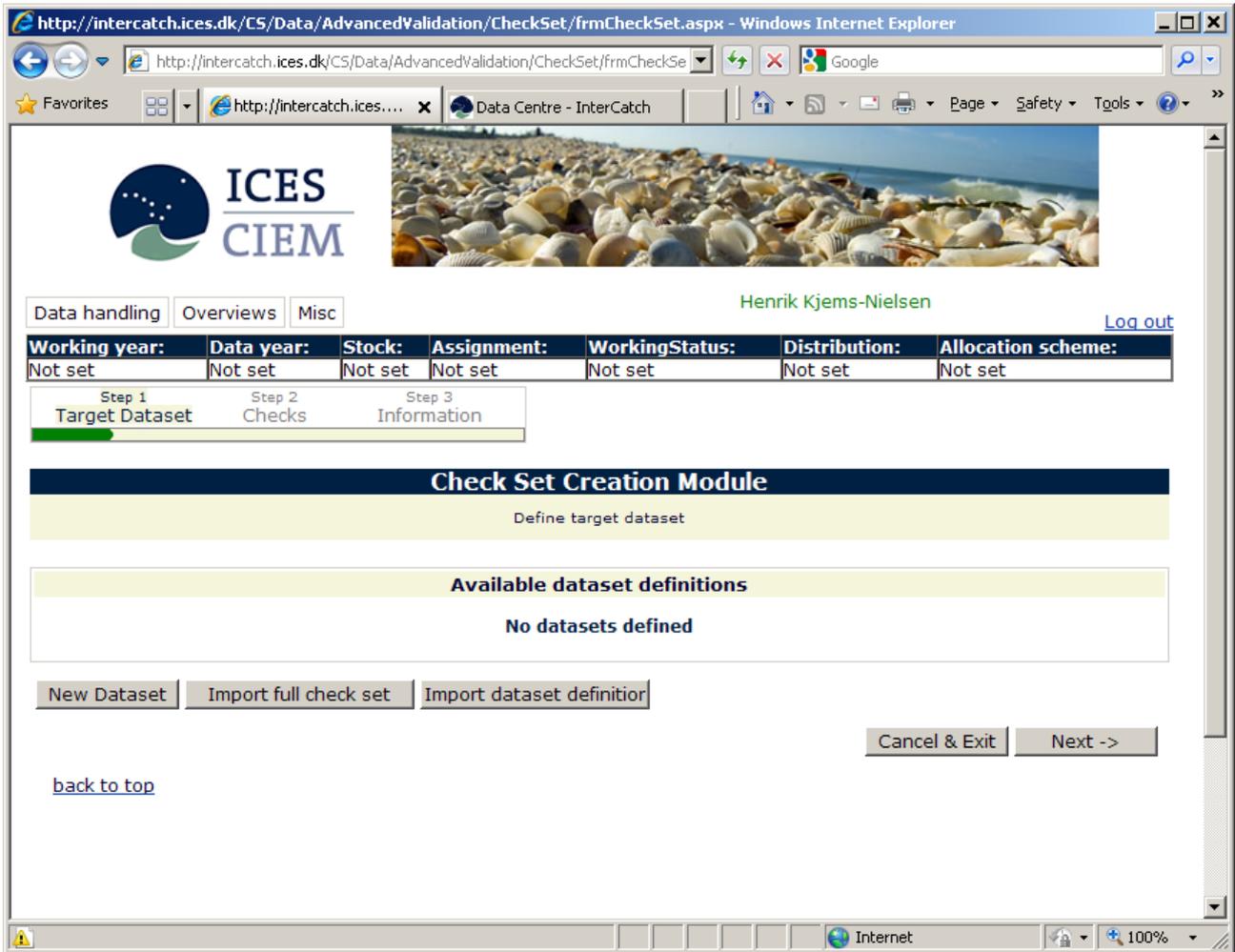
The Advanced validation is a complicated tool which the stock coordinator and data submitter need to spend some time on to able to use it.

In the example shown here two checks are set up for the species anglerfish ‘ANF’ in area ‘IIIa’. The following two checks are set up:

- WECA for **age 3** must be between 800-880 grams
- WECA for **age 4** must be between 900-1100 grams

Entering the Advance validation an overview of existing Check Sets is shown.

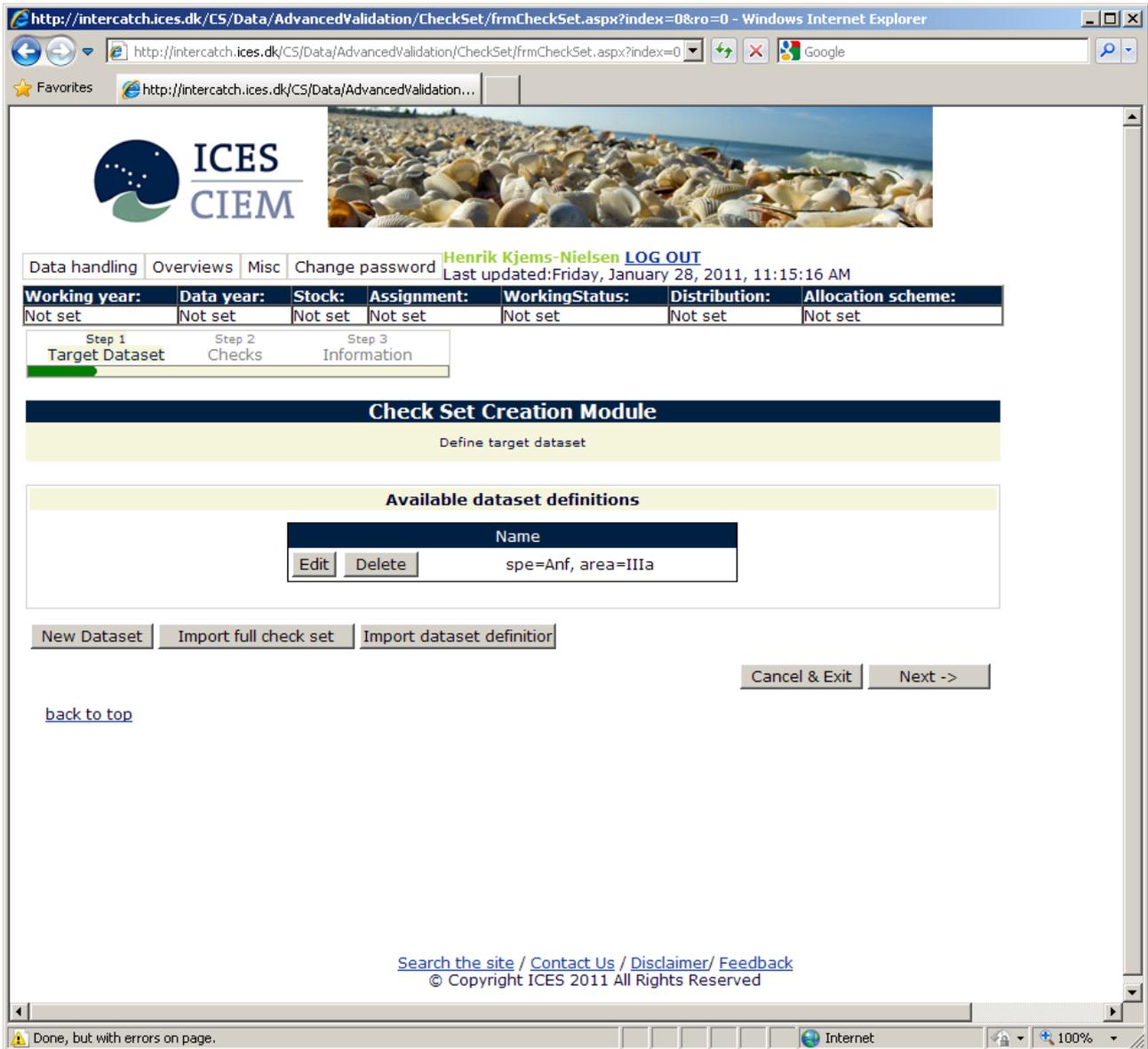
By pressing the button ‘Create New Check Set’ a new Check set is created



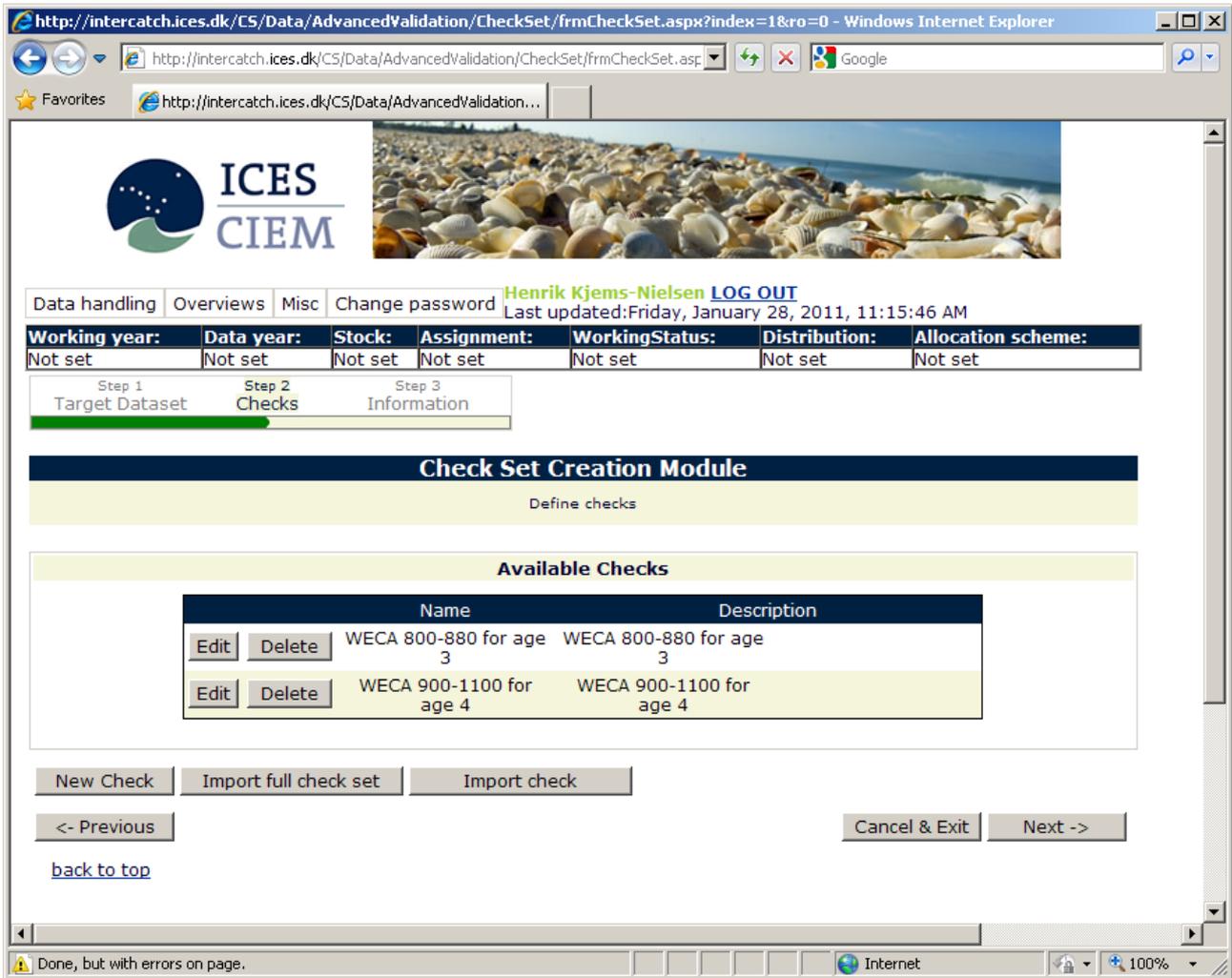
The progress bar at the top shows how fare in the process of setting up a check the stock coordinator or data submitter is. Press 'New Dataset'



The Advanced validation tool is looking into all the data imported, this means that first the stock coordinator have to specify which dataset this check should work on referred to as the ‘target dataset’. At the top a dataset name should be given. In the example above the check should only check species data = ‘ANF’ in area= ‘IIIa’. This is set up by in the field called ‘Field’ selecting the field species from the dropdown box in the left of the screen. The fields in the dropdown box are determined by the 3 buttons above, these buttons refer to the fields in the import format, so the species field appears among the field in the dropdown box when selecting the button ‘SI’, look in the import format. Then the species is set equal to by selecting the button ‘Equal To’. Then the species ‘ANF’ is selected in the list to the right. This limitation of the check only looking at the species ‘ANF’ is then added to the selection criteria by pressing ‘Add selection’. More selection criteria can be defined. Finally the target dataset is saved by pressing ‘Save dataset’.



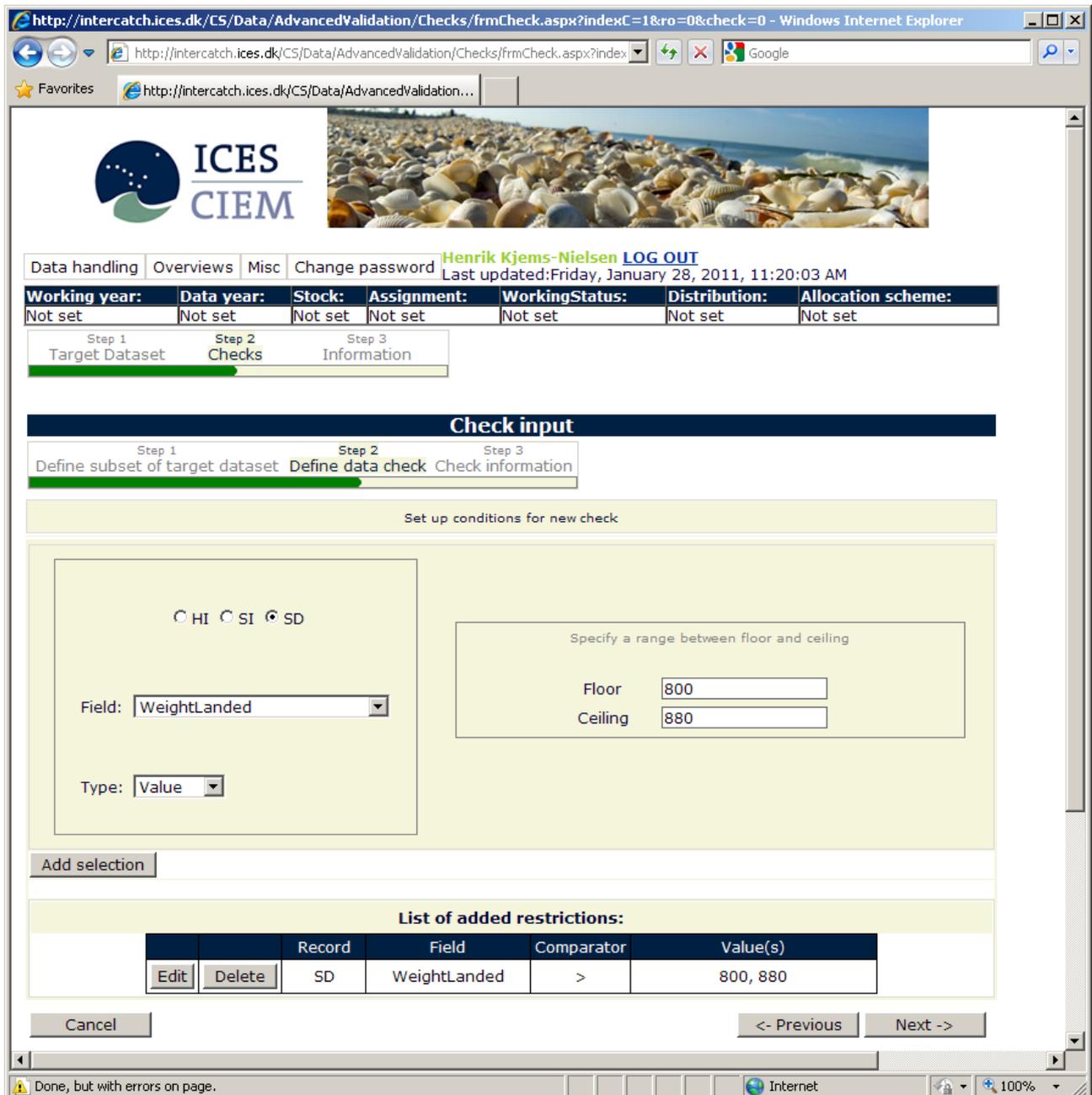
The target dataset is now saved. If the check needs to be more specific, which means more limits should be added to the target dataset criteria definition, then press 'Edit', other continue by pressing 'Next'.



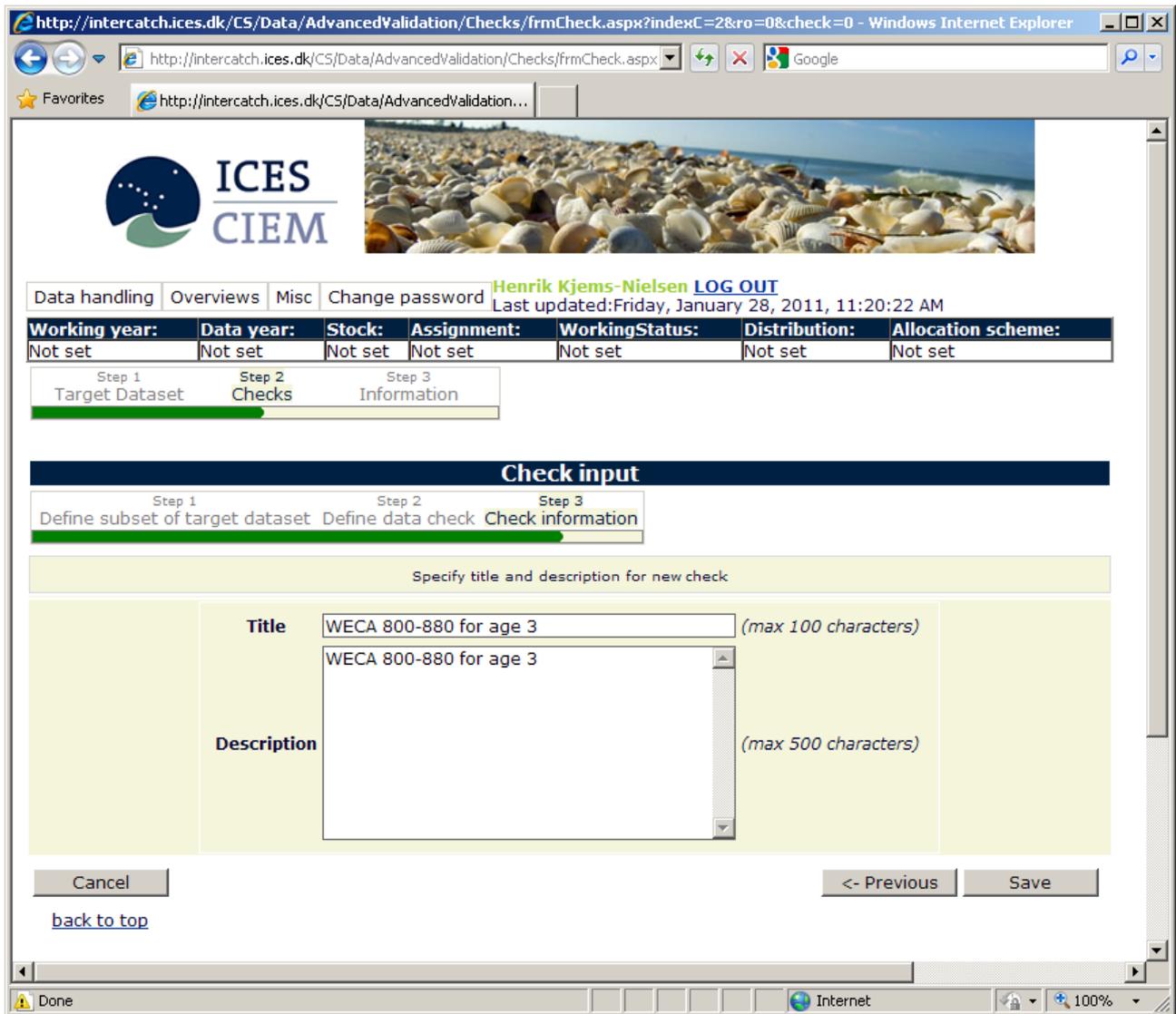
When entering the Check Set Creation Module an overview of the created checks are shown. Click 'New Check' to set up a new check.



This screen is similar to the one when setting up which target dataset is shown. Here a subset of the target dataset can be defined. Now it is defined that the following check only must be applied to sample data for age 3. Press 'Next'.



Here the check is set up. It is defined that the WECA (WeightLanded) must be between 800 and 880 gram is default, otherwise this check should give a warning and specify which strata that did not pass this check.



The specific check should be given a name and saved by 'Save'.

The screenshot shows a web browser window with the URL <http://intercatch.ices.dk/CS/Data/AdvancedValidation/CheckSet/frmCheckSet.aspx?index=1&ro=0>. The page header includes the ICES CIEM logo and a navigation menu with options like 'Data handling', 'Overviews', 'Misc', and 'Change password'. A user profile for 'Henrik Kjems-Nielsen' is visible with a 'LOG OUT' link and a timestamp 'Last updated: Friday, January 28, 2011, 11:21:26 AM'. Below this is a table of system parameters:

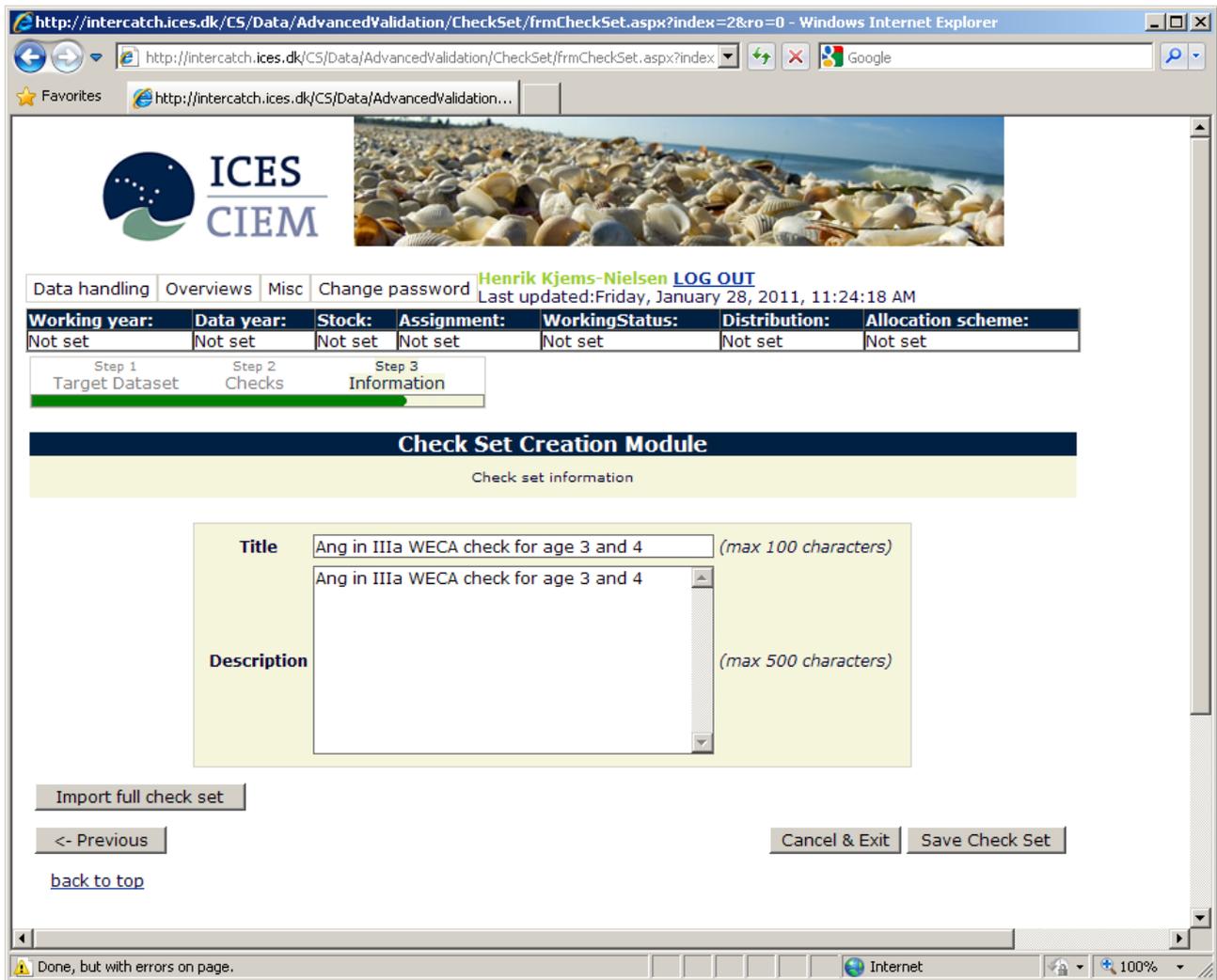
Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
Not set	Not set	Not set	Not set	Not set	Not set	Not set

A progress bar shows three steps: 'Step 1 Target Dataset', 'Step 2 Checks', and 'Step 3 Information'. The 'Step 2 Checks' section is active, displaying the 'Check Set Creation Module' with a 'Define checks' button. Below this is a table of 'Available Checks':

Name	Description
WECA 800-880 for age 3	WECA 800-880 for age 3
WECA 900-1100 for age 4	WECA 900-1100 for age 4

Each row in the 'Available Checks' table has 'Edit' and 'Delete' buttons. At the bottom of the module, there are buttons for 'New Check', 'Import full check set', and 'Import check'. Navigation buttons include '<- Previous', 'Cancel & Exit', and 'Next ->'. A 'back to top' link is also present. The browser's status bar at the bottom shows 'Done' and 'Internet'.

Another check set up exactly in the same way, just for age 4 with WECA range 900-1100 have been set up. Above are the two checks shown. No more checks are set up therefore 'Next' is pressed.



The set up check set should be given a describing name for the two checks. What is entered into the Title is what is shown on the list of Available Check Sets. Remember to press 'Save Check Set'

**IMPORTANT:** When updating a check that is adding, changing or removing anything, nothing is saved until the button 'Save Check Set' here is pressed.



The two WECA checks for age 3 and 4 for anglerfish in area IIIa have been set up, see the Check Set 'Ang in IIIa WECA check for age 3 and 4'

To execute the Check set with the two checks press 'Execute'

The screenshot shows a web browser window with the URL `http://intercatch.ices.dk/CS/Data/AdvancedValidation/CheckSet/frnExecuteResults.aspx`. The page header includes the ICES CIEM logo and a navigation menu with options like 'Data handling', 'Overviews', 'Misc', and 'Change password'. The user is identified as 'Henrik Kjems-Nielsen' with a 'LOG OUT' link. A status bar shows 'Last updated: Friday, January 28, 2011, 11:25:26 AM'. Below this, a table lists various parameters: 'Working year: Not set', 'Data year: Not set', 'Stock: Not set', 'Assignment: Not set', 'WorkingStatus: Not set', 'Distribution: Not set', and 'Allocation scheme: Not set'. The main content area is titled 'Results of executing check set:' and shows the 'Check Set Name' and 'Description' as 'Ang in IIIa WECA check for age 3 and 4'. A message states 'Below checks did not pass validation. Expanding a check will display the failed data:'. A table with two columns, 'Title' and 'Description', lists the failed checks: 'WECA 800-880 for age 3' and 'WECA 900-1100 for age 4'. Each row has a '+' sign in a small box to its left. A 'Close' button is located below the table, and a 'back to top' link is at the bottom left of the content area.

The result of the executed Check Set shows that for both checks, the one for age 3 and also for age 4 both had stratas which fell outside the specified WECA ranges. Press the '+' sign for each of the checks to see the stratas.

http://intercatch.ices.dk/CS/Data/AdvancedValidation/CheckSet/frmExecuteResults.aspx - Windows Internet Explorer

http://intercatch.ices.dk/CS/Data/AdvancedValidation/CheckSet/frmExecuteR

ICES CIEM

Data handling | Overviews | Misc | Change password | **Henrik Kjems-Nielsen** [LOG OUT](#)  
Last updated: Friday, January 28, 2011, 11:25:26 AM

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

**Results of executing check set:**

Check Set Name: **Ang in IIIa WECA check for age 3 and 4**  
Description: **Ang in IIIa WECA check for age 3 and 4**

Below checks did not pass validation. Expanding a check will display the failed data:

Title		Description							
<input type="checkbox"/>	<b>WECA 800-880 for age 3</b>	WECA 800-880 for							
Below data did not pass validation:									
Country	Year	FleetName	SeasonType	Season	FishingArea	DepthRange	CatchCategory	Stock	Spec
DK	2005	Bottom trawl	Quarter	2	IIIa	NA	L	NA	ANI
<input type="checkbox"/>	<b>WECA 900-1100 for age 4</b>	WECA 900-1100 fo							

Close

Done, but with errors on page. Internet 100%

The shown stratas fell outside the specified WECA range checks. To see the actual value, note the strata or take a screen copy and go to the 'Transform to Stock' in the menu

## 5.4 Delete Import Data

Menu item: 4. Delete Import Data

The screenshot shows the InterCatch web application interface. At the top, there is a navigation menu with 'Data handling', 'Overviews', and 'Misc'. Below this, a breadcrumb trail reads 'InterCatch > Data handling > 4. Delete Import Data Henrik Kjems-Nielsen'. A 'Log out' link is visible in the top right. A status bar displays 'Working year: Not set', 'Data year: Not set', 'Stock: Not set', 'Assignment: Not set', 'WorkingStatus: Not set', 'Distribution: Not set', and 'Allocation scheme: Not set'. A green banner reads 'Select Role and Stock to Delete from'. Below this, a dropdown menu is set to 'SC - ang-kask (Anglerfish in Division IIIa (Skagerrak - Kattegat))'. The main content area features a table titled 'Overview of Imported Data to Delete'. The table has columns: Species, Country, Year, Season, Fishing Area, Fleet, Catch Category, Reporting Category, and Date From. The table contains four rows of data for ANF (Anglerfish) in Denmark, 2009, across four quarters. Each row has a '+' icon and two buttons: 'Delete Catch and Sample Data' and 'Delete Only Sample Data'. A 'Close' button is located below the table. A 'back to top' link is at the bottom left. The browser's address bar shows 'http://intercatch.ices.dk/CS/Data/DeleteDataFromImportTables/ImportDataDelete.aspx'.

	Species	Country	Year	Season	Fishing Area	Fleet	Catch Category	Reporting Category	Date From
+ Delete Catch and Sample Data Delete Only Sample Data	ANF	Denmark	2009	Quarter 1	IIIa	Bottom trawl	Landings	All - reported, nonreported and misreported	-9
+ Delete Catch and Sample Data Delete Only Sample Data	ANF	Denmark	2009	Quarter 2	IIIa	Bottom trawl	Landings	All - reported, nonreported and misreported	-9
+ Delete Catch and Sample Data Delete Only Sample Data	ANF	Denmark	2009	Quarter 3	IIIa	Other	Landings	All - reported, nonreported and misreported	-9
+ Delete Catch and Sample Data Delete Only Sample Data	ANF	Denmark	2009	Quarter 4	IIIa	Other	Landings	All - reported, nonreported and misreported	-9

Wrong imported data can be deleted. By wrong data is meant data which cannot just be overwritten by the right catch data. E.g. catch data for a wrong species or country which does not have any catches in that area or quarter. That is data which cannot be overwritten by the correct data because that country or fleet does not have any catches in that area or quarter or for that catch category. The Data submitter or Stock coordinator can delete the wrongly imported data.

In the 'Role & Stock' dropdown box the user can select which role and stock the user want to view data for. Normally the user is either Data submitter or

Stock coordinator for one stock. But it could be that the user is Data submitter for two stocks and Stock coordinator for a third stock, in that case all three combinations of roles and stocks are listed. This helps the user to view only the imported data for the stock to which there was a wrongly imported catch data.

If a small button with a plus '+' sign is shown to most the left of a catch data line, that indicate that the catch has been sampled, and therefore that there are age or length distributed/composition data. Where there is no small button with a plus '+' sign there is only a catch CATON. For each catch line there are two buttons 'Delete Catch and Sample Data' and 'Delete Only Sample Data'. If the button 'Delete Only Sample Data' is pressed for data line with only a catch, a message at the top saying no sample data attached. Remember to only use 'Delete Catch and Sample Data' for data which cannot be overwritten by the correct catch data. This is important because the Data submitters and Stock coordinators should only use this screen when data cannot be overwritten, to reduce the chance of deleting by mistake. Deleting a catch or sample data are not actually deleting data the screen only marks all data belonging to this specific catch as deleted, and the data will not be used any further by InterCatch.

If the Stock coordinator believes that the sample data for a specific catch are so bad, that it is better to remove the sample data from the catch, and then allocate other sample data to the catch. Then the Stock coordinator can press the button 'Delete Only Sample Data'.

## 5.5 Check Stock Areas

Menu item: 5. Check Stock Areas

The screenshot shows the InterCatch web application interface. At the top, there is a navigation bar with the ICES CIEM logo and a breadcrumb trail: [InterCatch](#) > [Data handling](#) > [5. Check Stock Areas](#) Henrik Kjems-Nielsen. Below the navigation bar, there are several tabs: Data handling, Overviews, and Misc. A status bar shows: Working year: Not set, Data year: Not set, Stock: Not set, Assignment: Not set, WorkingStatus: Not set, Distribution: Not set, Allocation scheme: Not set. The main content area is titled 'Stock list' and contains a table with the following data:

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

Stock ID	Area	Description
her-irls	HER VIIg	Celtic Sea and Division VIIj herring
her-irls	HER VIIh	Celtic Sea and Division VIIj herring
her-irls	HER VIIj	Celtic Sea and Division VIIj herring
her-irls	HER VIIk	Celtic Sea and Division VIIj herring
her-irls	HER VIIaS	Celtic Sea and Division VIIj herring
her-irlw	HER VIIb	Herring in Divisions VIa (South) and VIIb
her-irlw	HER VIIc	Herring in Divisions VIa (South) and VIIb
her-irlw	HER VIIaS	Herring in Divisions VIa (South) and VIIb
her-irwa	Not set	Herring autumn spaw. West of Ireland & Porc. Bank (Area VIa South)
her-irws	Not set	Herring spring spaw. West of Ireland & Porc. Bank (Area VIa South)
her-is	Not set	Herring in the North Irish Sea (New)
her-kask	HER	Herring in the Kattegat and Skagerrak (Fishing Area IIIa)
her-manx	Not set	Herring Manx Stock
her-mour	Not set	Herring Mourne Stock
her-nirs	HER VIIa	Irish Sea herring (Division VIIa)
her-nirs	HER VIIaN	Irish Sea herring (Division VIIa)
her-noss	HER I	Norwegian spring-spawning herring
her-noss	HER II	Norwegian spring-spawning herring
her-noss	HER IIb	Norwegian spring-spawning herring
her-noss	HER Vb	Norwegian spring-spawning herring
her-noss	HER Vb1	Norwegian spring-spawning herring
her-noss	HER IIaX	Norwegian spring-spawning herring
her-noss	HER IIaI	Norwegian spring-spawning herring

It is important that the stock coordinator check the Stock Areas for the stocks used. In the list all combinations of species and areas which define the stocks are shown. It is important that all areas for a stock is in the list. Because the 'Extract and View Imported Stock/Year Data' uses this list to extract all combinations of imported species and areas to include in the stock data. So if an area is missing imported catches for that area will not be included in the stock data, for further work in InterCatch. If an area is missing or a wrong area is set up for a stock please contact the ICES Secretariat.

Note that now the areas are using Arabic numbers.

## 5.6 Create and Close Stock and Year

Menu item: 6. Create and Close Stock and Year

The screenshot shows a web browser window displaying the InterCatch application. The page title is "InterCatch > Data handling > 6. Create and Close Stock and Year". The user is logged in as "Henrik Kjems-Nielsen".

At the top, there is a navigation menu with "Data handling", "Overviews", and "Misc". Below this is a summary table:

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

Below the summary table is a section titled "Existing Stock and Year" containing a table with 8 columns: Edit, Data year, Stock, Assignment, WorkingStatus, Distribution, and Allocation scheme.

Edit	Data year	Stock	Assignment	WorkingStatus	Distribution	Allocation scheme
Edit	2009	WG	2008	bsf-89	Age	Open
Edit	2009	WG	2008	bsf-rest	Age	Open
Edit	2009	WG	2008	bsf-soth	Age	Open
Edit	2009	WG	2008	cap-bars	Age	Open
Edit	2009	WG	2008	anp-8c9a	Lngt	Open
Edit	2009	WG	2008	arg-icel	Age	Open
Edit	2009	WG	2008	arg-rest	Age	Open
Edit	2009	WG	2008	bli-5a14	Age	Open
Edit	2009	WG	2008	bli-5b67	Age	Open
Edit	2009	WG	2008	bli-comb	Age	Open
Edit	2010	WG	2009	ang-kask	Age	Open

At the bottom of the table, there are two buttons: "Close" and "Add new". Below the buttons is a link "back to top".

Before selecting the stock and current year, for which the stock coordinator want to work, the current Stock and Year have to be created. That can be done by pressing the 'Add new'.

When an assessment have been through a review and there is no changes to imported data or allocation setup, the stock coordinator must close the Stock and Year so no changes can be made by accident. That is done by pressing 'Edit' next to the Stock and Year, which should be closed.



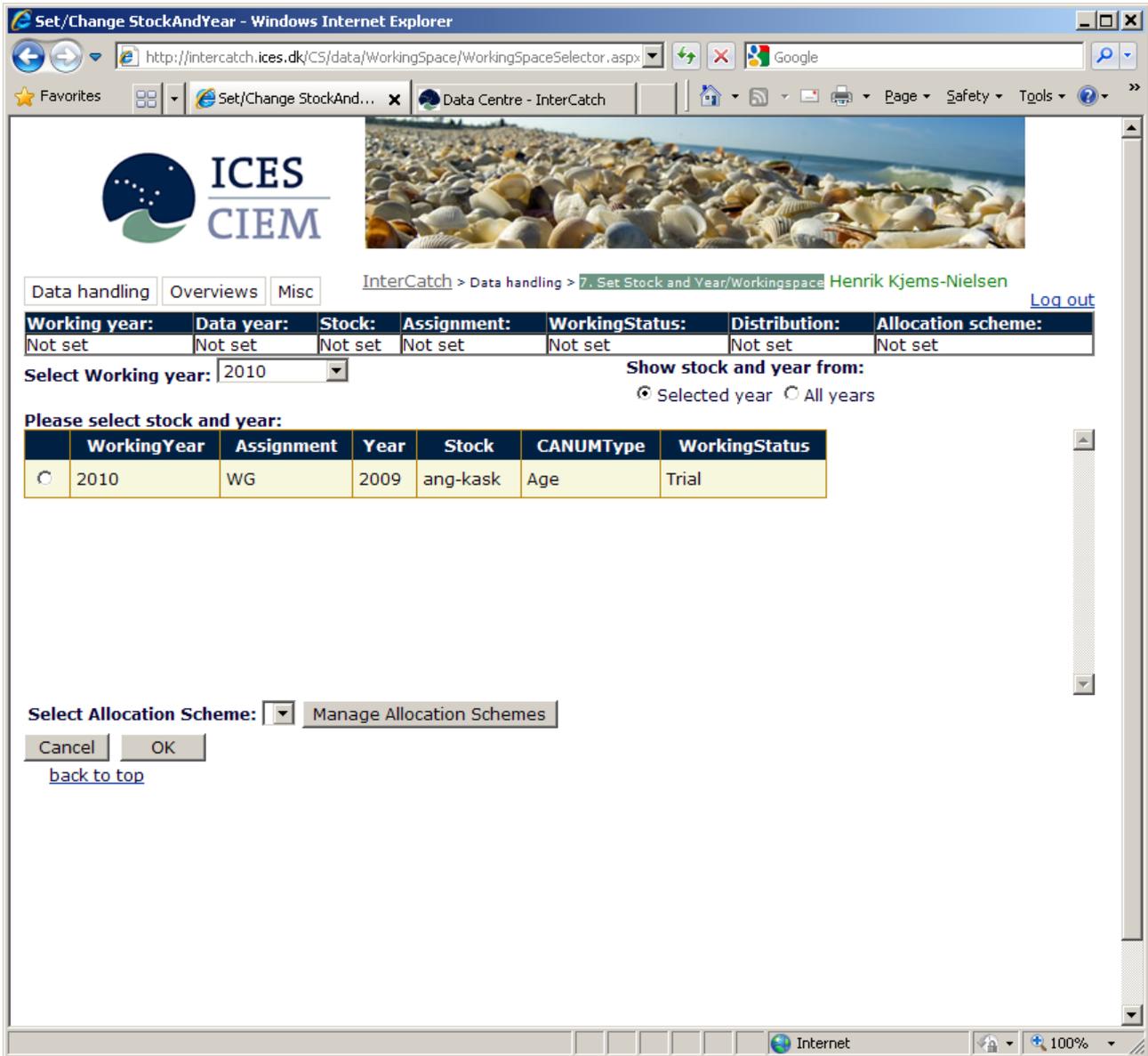
Fill in the fields. Assignment must always be 'WG' for working group. Press 'Create' to create the record. Which now makes it possible for the stock coordinator to select the just created Stock and Year.



When the stock assessment has been accepted after the review group has gone through the assessment, the stock coordinator must go in under '6. Create and Close Stock and Year' and close the particular Stock and Year. That is done by pressing the 'Edit' button next to the Stock and Year in the 'Existing Stock and Year' overview. This will mean the stock coordinator by mistake cannot change data under that Stock and Year. If revisions are done in a following year the original data are still saved.

## 5.7 Set Stock and Year/Workingspace

Menu item: 7. Set Stock and Year/Workingspace



Marked the Stock and Year you want to work with, then press 'OK'

InterCatch is connected to a database, which contains catch data for all the imported species. Therefore the user has to specify which data the user wants to work with. This is done by 'Change workspace'. The 'Current Stock and Year' to the left, will be updated after the selected combination of stock, working year etc.

From this point onwards, InterCatch is relevant for the stock coordinator.

The screen shows the Stock and Years which the user can work with. If no records are shown for current year. Please press the button 'Create Stock and Year' or enter the menu '6. Create and Close Stock and Year'. The following explain the fields in the Stock and Year.

**Working year:** The current year where the work with the stock data are carried out.

**Data year:** The year of the data.

**Stock:** The stock code.

**Assignment:** The data can be assigned to a Working Group (WG) or Fast Track (FT) procedure.

**WorkingStatus:** Either 'Trial' or 'Final'. All calculated results from InterCatch default goes into 'Trial' status. The first thing the stock coordinator does is to finalise the data/results if it is correct. At least remember to finalise the calculated distributions data to 'Final' status. Because only data in 'Final' status can be export.

If the data are correct but you wish to make a new 'Allocation scheme', you can stay in the 'Final' status, and make any number of extra Allocation schemes.

**If using both Trial and Final status:**

If there are more data to import or when data have been changed, the new data can be imported in the 'Trial' status without affecting the already prepared 'Final' data set.

If the new version of data is an improved version of the 'Final' data, you can overwrite the first 'Final' version.

**Distribution:** Catch numbers can either be age or length based.

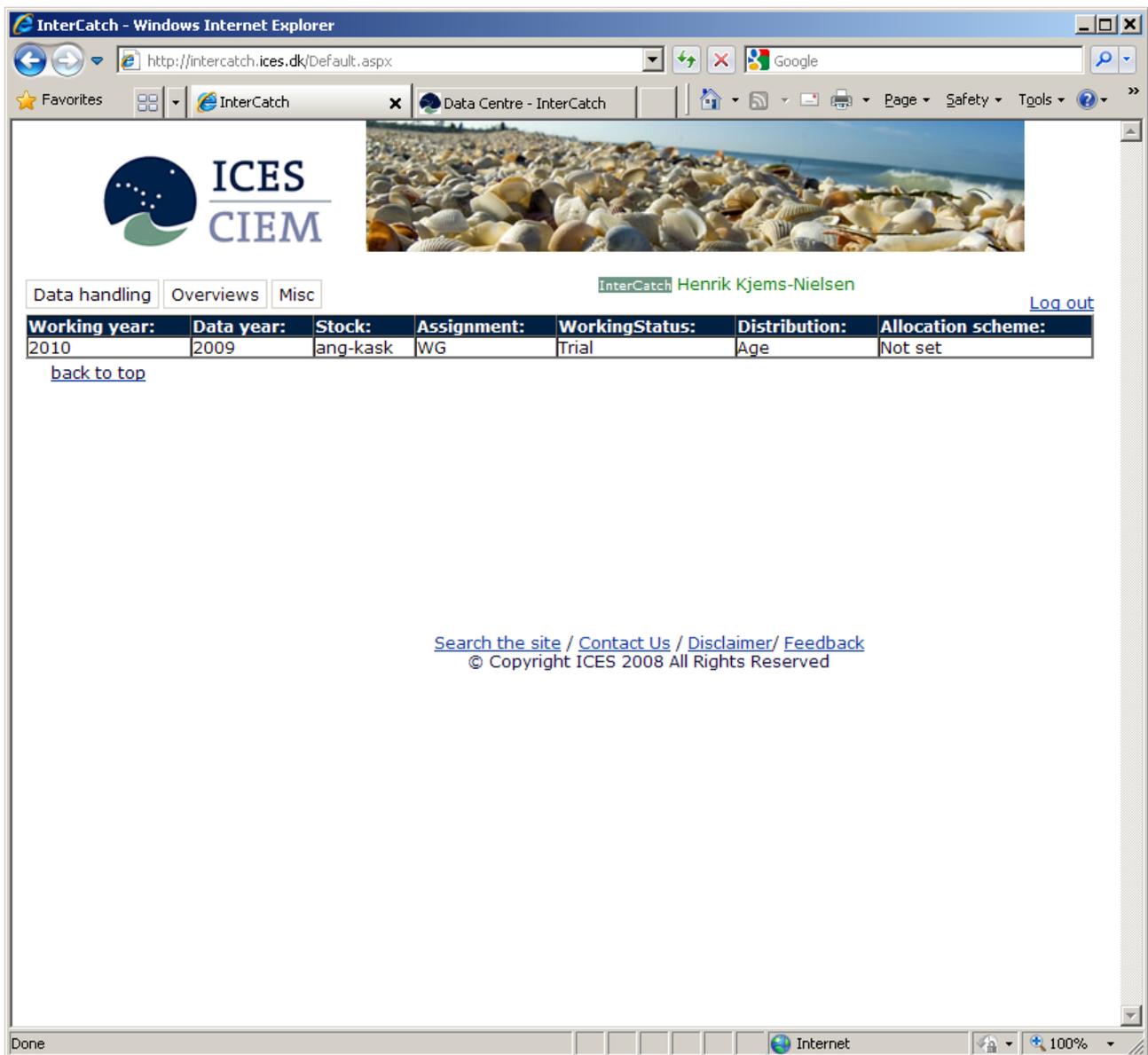
After the Stock and Year have been selected the top Stock and Year-bar will automatically updated accordingly.

If the user want to look into data from previous years assessment, please select the Working year in the dropdown box in the top left corner. Then Stock and years for the selected working year is shown below.

Managing Allocations schemes is also done from this page.

First time entering this screen only Stock and Year 'Trial' is present. The screen only shows Stock and Year where there is a relating dataset. When the user have finalised the trial at any point then, the only a 'Final' Stock and Year is shown until the user makes an Extract and View Imported Stock/Year Data. Then the just extracted data is kept in Stock and Year 'Trial'. Then the stock coordinator can choose which of the two 'Trial' or 'Final' Stock and Year/dataset the user what to work with.

When having selected a Stock and Year, the user is automatically given the possibility to select an allocation scheme. When doing an Extract and View Imported Stock/Year Data it is not needed to specify an allocation scheme. That is first needed when setting up Allocation schemes or using an allocation scheme for calculating distribution age or length data for unsampled catches.



After the Stock and Year have been marked and you have pressed 'OK' the page above appears:

Note that your current Stock and Year is at the top is updated.

## 5.8 Extract and View Imported Stock/Year Data

Menu item: 8. Extract and View Imported Stock/Year Data

Transform to Stock extracts and shows all imported data that relate to the selected Stock and Year, which means stock, year (catch year) and distribution age or length.

http://intercatch.ices.dk/CS/Data/StockTransformation/StockTransformationIndex.aspx - Windows Internet Explorer

http://intercatch.ices.dk/CS/Data/StockTransformation/StockTransformationIndex.aspx

ICES CIEM

Data handling | Overviews | Misc | InterCatch > Data handling > 8. Extract and View Imported Stock/Year Data Henrik Kjems-Nielsen [Log out](#)

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2010	2009	ang-kask	WG	Trial	Age	Not set

**Extract stock data from imported species data**

Please press 'Extract' to find out if any catch data have been imported.

Please press the **'Extract'** button **every time you enter InterCatch until all catch data have been imported**. Pressing the **'Extract'** button will make InterCatch extract all Imported catches. So you will see all previous catch data you see now plus eventually new imported catch data. So by pressing the **'Extract'** button you can check if new catches have been imported since last time you pressed the **'Extract'** button. This page is the overview of imported catches. So to find out what have been imported until now, you have to press the **'Extract'** button. By pressing the Extract button you transform the imported species catches to stock catches. The Extract button can be pressed any number of times. So new catch data will be added to previous the overview.

[back to top](#)

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When you enter 'Extract and View Imported Stock/Year Data' for the first time, the message 'There are currently no transformed data for the current Stock and Year' appears. Otherwise it reads 'Extract stock data from the imported species data'.

The stock coordinator can click 'Extract' at all time to see what data have been imported. When all the species data have been imported click the 'Extract' button, to extract all the imported species data into your stock data.

'Extract and View Imported Stock/Year Data' simply looks into all data in the database and takes species and area data, which together make up the stock you

have selected in your Stock and Year. The list of combinations of species and area by which the stocks are defined can be viewed under the menu 'Overviews', 'Definitions' and 'Stock list'. If you have selected 'Current Stock and Year' cod-nsea (Cod in the North Sea) and year 2008 (data catch year) all data which match the year and the species and the area combination, which can be seen in the '5. Check Stock Areas', are extracted into the Stock and Year dataset. Therefore, stock coordinators can make this 'Extract and View Imported Stock/Year Data' to see which data there have been imported so far, and which are missing. When all data are imported, the 'Extract and View Imported Stock/Year Data' should be executed to extract all the imported data into the Stock and Year dataset, which the stock coordinator can continue to work with. Then the stock coordinator can set up allocation schemes, aggregate and export the final stock data.

Each time you press the 'Extract' button in the 'Extract and View Imported Stock/Year Data' page the latest imported data (species and area) are extracted to the to the Stock and Year dataset and hereby overwrites if any dataset with 'Trial' for the specific selected Stock and Year.

Only the stock coordinator can make this extraction of data. The reason for this manually control of when the Stock and Year dataset is updated, is simply to ensure that the stock coordinator has full control over use and extractions of data. If a national data submitter imports an updated version of national catch data. The Stock and Year dataset and ongoing allocations and calculations are not affected. The stock coordinator can then decide to ignore the new data or update the dataset by clicking 'Extract'.

NOTE: this procedure can only be executed by the Stock coordinator.

If you click 'Extract' the following page appears



Data handling	Overviews	InterCatch- Misc	Change password	Henrik Kjems-Nielsen <a href="#">LOG OUT</a>	Last updated: 01 April 2014, 16:10:06	
<b>Working year:</b>	<b>Data year:</b>	<b>Stock:</b>	<b>Assignment:</b>	<b>WorkingStatus:</b>	<b>Distribution:</b>	<b>Allocation scheme:</b>
2014	2013	aas-arct	WG	Trial	Age	Not set

**Selected stock data**

You can choose which data to finalize by selecting/deselecting data from the list.

Status: Trial

Distribution: Age

	Stock	Year	Season	Area	Country	Catch kg	Catch cat.	Report cat.	Fleet	Effort	Eff. unit	Misrep. to Area	Auto Misrep. from Areas	Discards Imported Or Raised
	aas-arct	2013	2013 Year	Ila	DK	1200000	Landings	R - Rep	GNS_DEF_>=100_0_0	800	kWd			Imported Data
<input type="checkbox"/>	aas-arct	2013	1 Quarter	Ila	UKS	3677000	Landings	R - Rep	OTB_DEF_80-99_0_0	1000	NA			Imported Data
<input type="checkbox"/>	aas-arct	2013	1 Quarter	Ila	UKS	858000	Discards	R - Rep	OTB_DEF_80-99_0_0	1000	NA			Imported Data
	aas-arct	2013	1 Quarter	Ila	UKS	500000	Landings	R - Rep	SDN_DEF_>=120_0_0_all	25	NA			Imported Data
<input type="checkbox"/>	aas-arct	2013	1 Quarter	Iib	UKS	323000	Landings	R - Rep	SDN_DEF_>=120_0_0_all	25	NA			Imported Data
<input type="checkbox"/>	aas-arct	2013	2 Quarter	Iib	UKS	91000	Landings	R - Rep	SDN_DEF_>=120_0_0_all	50	NA			Imported Data
<input type="checkbox"/>	aas-arct	2013	2 Quarter	Ila	UKS	111000	Landings	R - Rep	SDN_DEF_>=120_0_0_all	50	NA			Imported Data
<input type="checkbox"/>	aas-arct	2013	2 Quarter	Ila	UKS	2935000	Landings	R - Rep	OTB_DEF_80-99_0_0	800	NA			Imported Data
<input type="checkbox"/>	aas-arct	2013	2 Quarter	Ila	UKS	111000	Discards	R - Rep	OTB_DEF_80-99_0_0	800	NA			Imported Data

Here you can see all the imported data so far. The small button with a '+' sign to the left of some data lines are indicating that the catch has been sampled, and therefore have an age or length distribution. The age or length distribution can be seen by pressing the plus sign.

Click the button 'Keep as trial' or 'Finalize'. If you want to work the just extracted data you press 'Finalize'. But you can also leave the data as a trial data set.

You can compare the current data with data from a previous year if you press the button 'Compare with previous year datasets' at the top of the page in the box with status and distribution. Please see the next page



<a href="#">Data handling</a>	<a href="#">Overviews</a>	<a href="#">InterCatch- Misc</a>	<a href="#">Change password</a>	<a href="#">Henrik Kjems-Nielsen</a> <a href="#">LOG OUT</a>		
				Last updated: 01 April 2014, 16:10:52		
Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2014	2013	aas-arct	WG	Trial	Age	Not set

### Compare stock data by year and working status.

Below you can see strata which are matching, missing or new compared with another year or working status. Please select a different "Compared year" and/or "Compared working status". Then click the number after the 3 categories for viewing the strata with CATON.

Current year:  
 Compared year:  
 Detect if month/quarters are equivalent or included in compared year

Current working status:  
 Compared working status:  
 Include reporting category for comparing

13 matching strata : [View](#)

9 missing strata : [View](#)

5 new strata : [View](#)

In this page you can select a year and the working status, typically the previous year and working status Final, which you want to compare the current data with. In

In the overview you can see how many strata which are the same or matching strata from the selected compared year, in this case 13 matching strata. Or how many strata which are missing compared with the compared year, in this case 9. Or how many strata which are new this year, in this case there are 5 new strata.

To see the strata please click the View links, which will show the selected strata in a new page.



Data handling	Overviews	InterCatch- Misc	Change password	Henrik Kjems-Nielsen <a href="#">LOG OUT</a>	Last updated:01 April 2014, 16:13:04	
<b>Working year:</b>	<b>Data year:</b>	<b>Stock:</b>	<b>Assignment:</b>	<b>WorkingStatus:</b>	<b>Distribution:</b>	<b>Allocation scheme:</b>
2014	2013	aas-arct	WG	Trial	Age	Not set

**Missing stratas for 2013- Trial(current) if compared with 2012-Final**

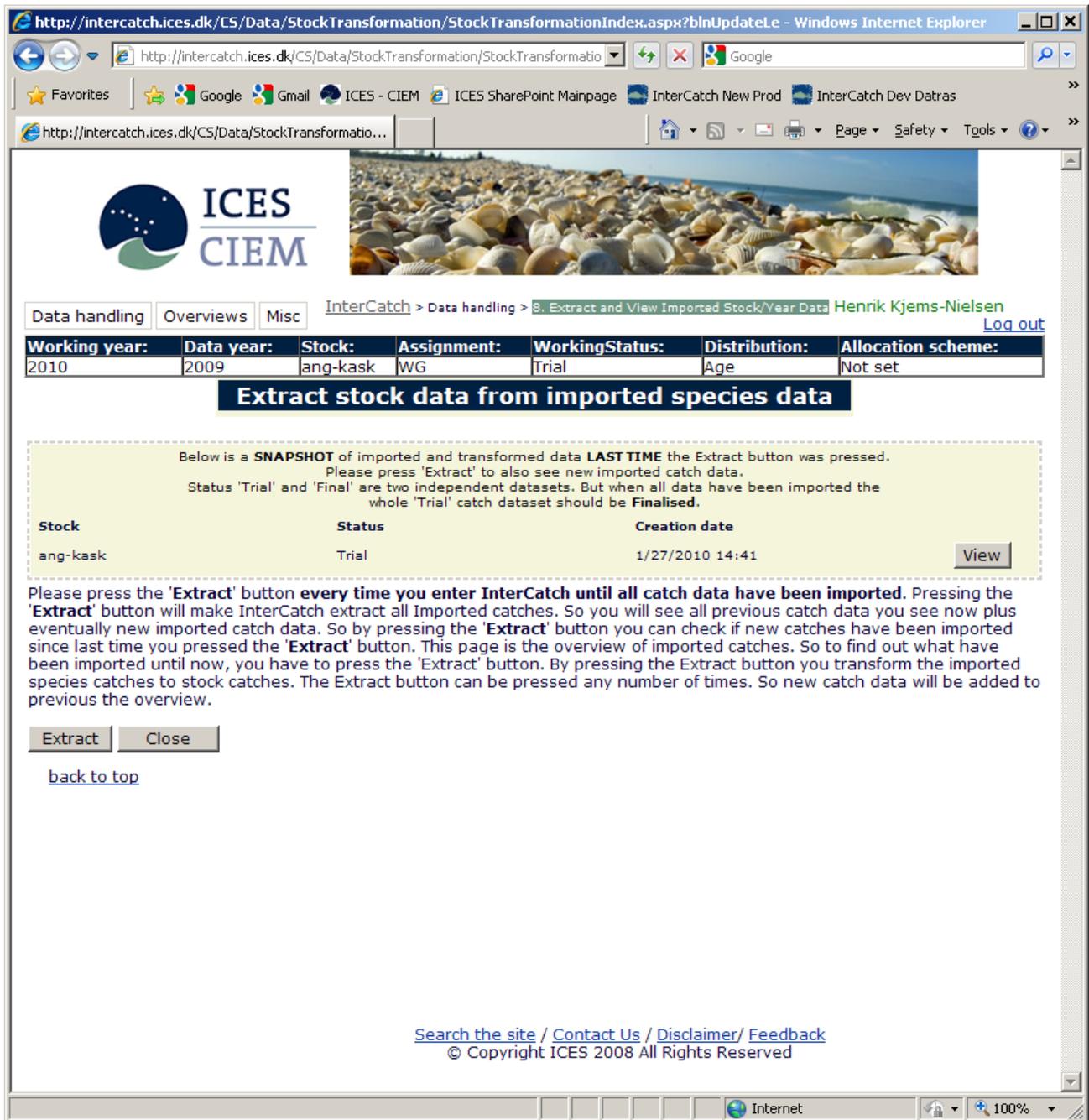
[Back to compare page](#)

Stock	Country	Area	Area type	Catch cat.	Fleet	DataToFrom	Report cat. Compared	Season. Compared	Season type Compared	Compared CATON	Compared stratum has sampled data
aas-arct	UK (Scotland)	IIa	Div	Discards	SDN_DEF_>=120_0_0_all	-9	R Report	Year	2012	197,000.000	<input checked="" type="checkbox"/>
aas-arct	UK (Scotland)	IIa	Div	Discards	OTB_DEF_80-99_0_0	-9	R Report	Quarter	4	15,625.851	<input type="checkbox"/>
aas-arct	UK (Scotland)	IIb	Div	Discards	SDN_DEF_>=120_0_0_all	-9	R Report	Quarter	1	12,431.404	<input type="checkbox"/>
aas-arct	UK (Scotland)	IIa	Div	Discards	SDN_DEF_>=120_0_0_all	-9	R Report	Quarter	4	7,582.002	<input type="checkbox"/>
aas-arct	UK (Scotland)	IIb	Div	Discards	SDN_DEF_>=120_0_0_all	-9	R Report	Quarter	4	6,696.793	<input type="checkbox"/>
aas-arct	UK (Scotland)	IIa	Div	Discards	SDN_DEF_>=120_0_0_all	-9	R Report	Quarter	2	4,272.092	<input type="checkbox"/>
aas-arct	UK (Scotland)	IIb	Div	Discards	SDN_DEF_>=120_0_0_all	-9	R Report	Quarter	2	3,502.346	<input type="checkbox"/>
aas-arct	UK (Scotland)	IIa	Div	Discards	SDN_DEF_>=120_0_0_all	-9	R Report	Quarter	1	1,924.366	<input type="checkbox"/>
aas-arct	UK (Scotland)	IIa	Div	Discards	SDN_DEF_>=120_0_0_all	-9	R Report	Quarter	3	1,154.620	<input type="checkbox"/>

[Back to compare page](#)

In the above shown example the missing strata are shown.

When seeing the overview of the matching strata both the current year's CATON and the compared year's CATON are shown. Also the actual difference for CATON and the difference in percentage is shown. It is possible to order the strata according to the difference by clicking the header text in the dark blue header row.



In the screen above only a 'Trial' dataset have been created. When pressing the button 'View' and then pressing the button 'Finalize' in the next page, the 'Trial' dataset is converted to a 'Final' dataset.

If the user instead presses 'Extract' again, InterCatch will extract all the imported stock data into the 'Trial' dataset and overwrite the already existing 'Trial' dataset. This can be done any number of times, to check what catch data have been imported so far. The stock coordinator should press this button regularly to see when all catch data for the specific stock have been imported. When all data have been imported the data should be finalised.



Here you decide whether you want to overwrite your trial data set. If you do not want to overwrite press 'Cancel'. It is not possible to extract imported data directly into the 'Final' Stock and Year.

After the screen above the details of all the imported data are shown, see 3 screens before with the header text 'Selected stock data'. The user is again asked if the user wants to keep the new extracted dataset in 'Trial' Stock and Year or if it should be 'finalised', which means put into 'Final'.

You can at any time finalise your 'Trial' dataset. To finalize your 'Trial' data set, click 'View' for the 'Trial' data set, you will return to the screen with an overview of all the imported data and there 'Finalize' your data.

The screenshot shows the InterCatch web application interface. At the top, there is a navigation bar with links for 'Data handling', 'Overviews', 'InterCatch- Misc', and 'Change password'. The user is logged in as 'Henrik Kjems-Nielsen' and the page was last updated on 03 May 2013 at 13:07:19. Below the navigation bar, there is a summary table for the current working year (2013) and data year (2012).

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2013	2012	aas-arct	WG	Trial	Age	Not set

Below the summary table, there is a section titled 'Selected stock data' with a note: 'You can choose which data to finalize by selecting/deselecting data from the list.' There is a small form for 'Status' (set to 'Trial') and 'Distribution' (set to 'Age').

	Stock	Year	Season	Area	Country	Catch kg	Catch cat.	Report cat.	Fleet	Effort	Eff. unit	Misrep. to Area	Auto Misrep. from Areas	Discards Imported Or Raised
<input type="checkbox"/>	aas-arct	2012	1 Quarter	Iia	UKS	858000	Discards	R - Rep	OTB_DEF_80-99_0_0	1000	NA			Imported Data
<input type="checkbox"/>	aas-arct	2012	1 Quarter	Iia	UKS	50000	Landings	R - Rep	SDN_DEF_>=120_0_0_all	25	NA			Imported Data
<input type="checkbox"/>	aas-arct	2012	1 Quarter	Iib	UKS	323000	Landings	R - Rep	SDN_DEF_>=120_0_0_all	25	NA			Imported Data
<input type="checkbox"/>	aas-arct	2012	2 Quarter	Iib	UKS	91000	Landings	R - Rep	SDN_DEF_>=120_0_0_all	50	NA			Imported Data
<input type="checkbox"/>	aas-arct	2012	2 Quarter	Iia	UKS	111000	Landings	R - Rep	SDN_DEF_>=120_0_0_all	50	NA			Imported Data
<input type="checkbox"/>	aas-arct	2012	2 Quarter	Iia	UKS	2935000	Landings	R - Rep	OTB_DEF_80-99_0_0	800	NA			Imported Data
<input type="checkbox"/>	aas-arct	2012	2 Quarter	Iia	UKS	111000	Discards	R - Rep	OTB_DEF_80-99_0_0	800	NA			Imported Data
<input type="checkbox"/>	aas-arct	2012	2012 Year	Iia	UKS	197000	Discards	R - Rep	SDN_DEF_>=120_0_0_all	-9	NA			Imported Data
<input type="checkbox"/>	aas-	2012	3	Iia	UKS	1000	Landings	R - Rep	OTB_DEF_80-99_0_0	1	NA			Imported Data

Below the table, there is a red text message: 'Unreported Discards have been set up the current Final dataset. You can copy these setups to the new Final (current trial) dataset or continue without copying. Choose "Copy discard setups" to copy the exiting setups to the new one or choose "Continue" to extract without copying. press Continue. Note:All previous discards setups in the current trial will be permanently lost replaced by the ones in the current final dataset'.

At the bottom, there are two buttons: 'Copy discard setups' and 'Continue without copying'.

If new data imports have been made to update catches and/or age or length distribution data or new strata have been imported. Then you need to make a new extract to get hold of the latest newly imported data and finalise, the 'Trail' dataset. But if there already exist a 'Final' dataset with raised discards you will be asked if you want to copy the existing 'Final' discard setups, that also include the Discard Groups. If you have not setup the raised discard in a proper way, or you regret you have raised discard for every single landing strata, then you press.'Continue without copying'. Otherwise you press 'Copy discard setups' and copy your work to the new 'Final' dataset.

Data handling	Overviews	InterCatch- Misc	Change password	Henrik Kjems-Nielsen <a href="#">LOG OUT</a>	Last updated:01 April 2014, 15:18:39	
<b>Working year:</b>	<b>Data year:</b>	<b>Stock:</b>	<b>Assignment:</b>	<b>WorkingStatus:</b>	<b>Distribution:</b>	<b>Allocation scheme:</b>
2014	2013	aas-arct	WG	Trial	Age	Demo1

**Selected stock data**

You can choose which data to finalize by selecting/deselecting data from the list.

**Status:** Trial

**Distribution:** Age

	Stock	Year	Season	Area	Country	Catch kg	Catch cat.	Report cat.	Fleet	Effort	Eff. unit	Misrep. to Area	Auto Misrep. from Areas	Discards Imported Or Raised
	aas-arct	2013	2013 Year	IIa	DK	1200000	Landings	R - Rep	GNS_DEF_>=100_0_0	800	kWd			Imported Data
<input type="checkbox"/>	aas-arct	2013	1 Quarter	IIa	UKS	3677000	Landings	R - Rep	OTB_DEF_80-99_0_0	1000	NA			Imported Data
<input type="checkbox"/>	aas-arct	2013	1 Quarter	IIa	UKS	858000	Discards	R - Rep	OTB_DEF_80-99_0_0	1000	NA			Imported Data
	aas-arct	2013	1 Quarter	IIa	UKS	500000	Landings	R - Rep	SDN_DEF_>=120_0_0_all	25	NA			Imported Data
<input type="checkbox"/>	aas-arct	2013	1 Quarter	IIb	UKS	323000	Landings	R - Rep	SDN_DEF_>=120_0_0_all	25	NA			Imported Data
<input type="checkbox"/>	aas-arct	2013	2 Quarter	IIb	UKS	91000	Landings	R - Rep	SDN_DEF_>=120_0_0_all	50	NA			Imported Data
<input type="checkbox"/>	aas-arct	2013	2 Quarter	IIa	UKS	111000	Landings	R - Rep	SDN_DEF_>=120_0_0_all	50	NA			Imported Data
<input type="checkbox"/>	aas-arct	2013	2 Quarter	IIa	UKS	2935000	Landings	R - Rep	OTB_DEF_80-99_0_0	800	NA			Imported Data
<input type="checkbox"/>	aas-arct	2013	2 Quarter	IIa	UKS	111000	Discards	R - Rep	OTB_DEF_80-99_0_0	800	NA			Imported Data

There exist **Allocation schemes** for the previous final data. Please select your choice below:

- 
- 
- 

If allocations for unsampled catches also have been setup in the existing 'Final' data set, you are also asked if you want to copy and keep the allocations or continue without. Again if Allocation Groups have been setup these will also be copied.

Be aware that finalising a large stocks, for which raised discards and all unsampled strata have allocations, this process can take long time, just leave the browser, until you have a response from InterCatch

## 5.9 Revisions of Previous Years Catches

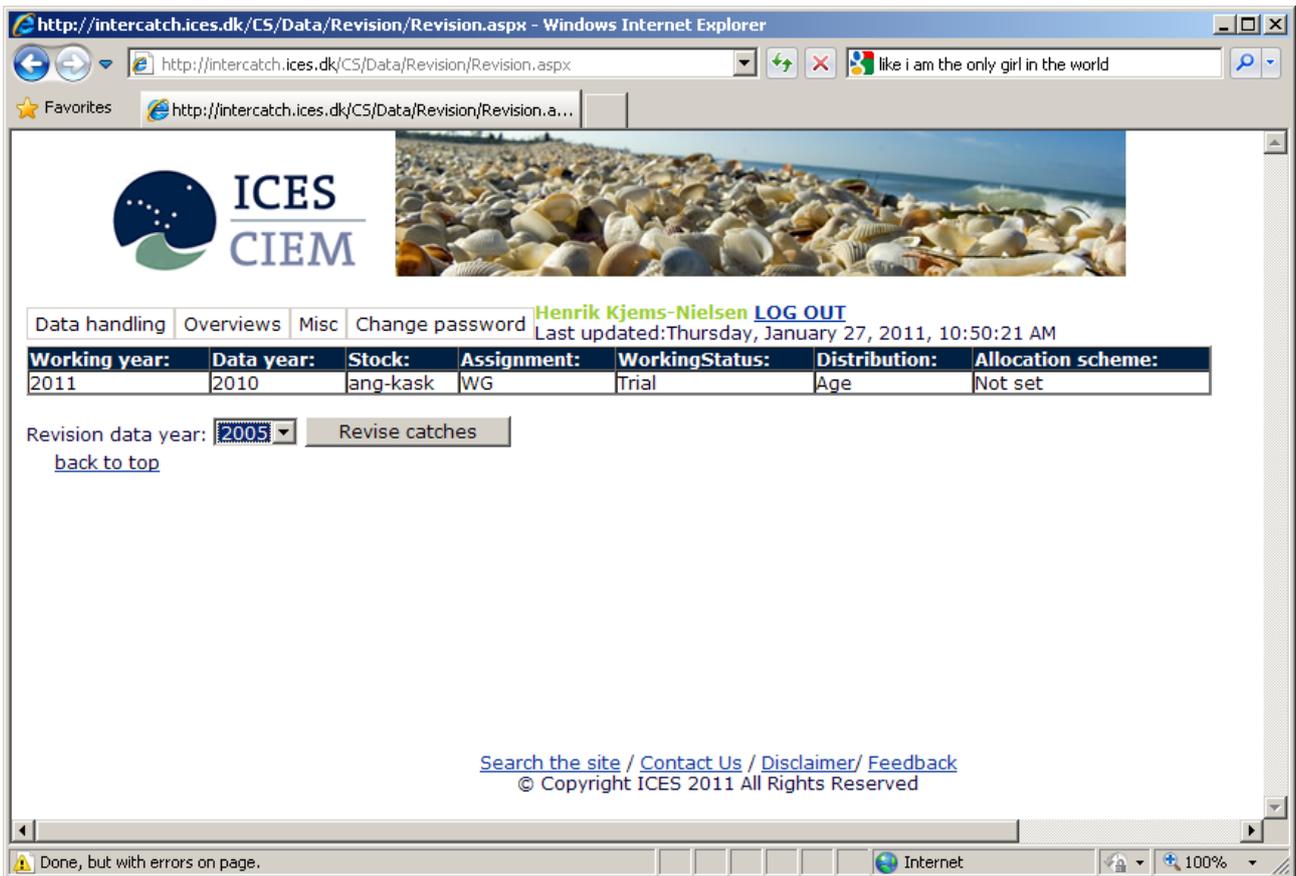
Menu item: 9. Revisions of Previous Years Catches

The screenshot shows the 'Set/Change StockAndYear' page in a Windows Internet Explorer browser. The page features the ICES CIEM logo and a navigation menu with options like 'Data handling', 'Overviews', and 'Misc'. A table at the top displays current settings for Working year (2010), Data year (2009), Stock (ang-kask), Assignment (WG), WorkingStatus (Trial), Distribution (Age), and Allocation scheme (Not set). A red warning message states: 'Please select a StockAndYear where working year is current year, to be able to revise previous years data!'. Below this, there is a 'Select Working year' dropdown set to 2011 and a 'Show stock and year from' section with radio buttons for 'Selected year' (checked) and 'All years'. A table titled 'Please select stock and year:' lists various stock and year combinations for 2011, with 'ang-kask' selected. At the bottom, there is a 'Select Allocation Scheme' dialog box with a 'Manage Allocation Schemes' button and 'Cancel'/'OK' options.

Revision of previous years catch data can be done without going into each specific year for the stock (Stock and Year). The stock coordinator only has to select the Stock and Year for the current working year. Otherwise the stock coordinator is redirected to select the Stock and Year for the current working year.

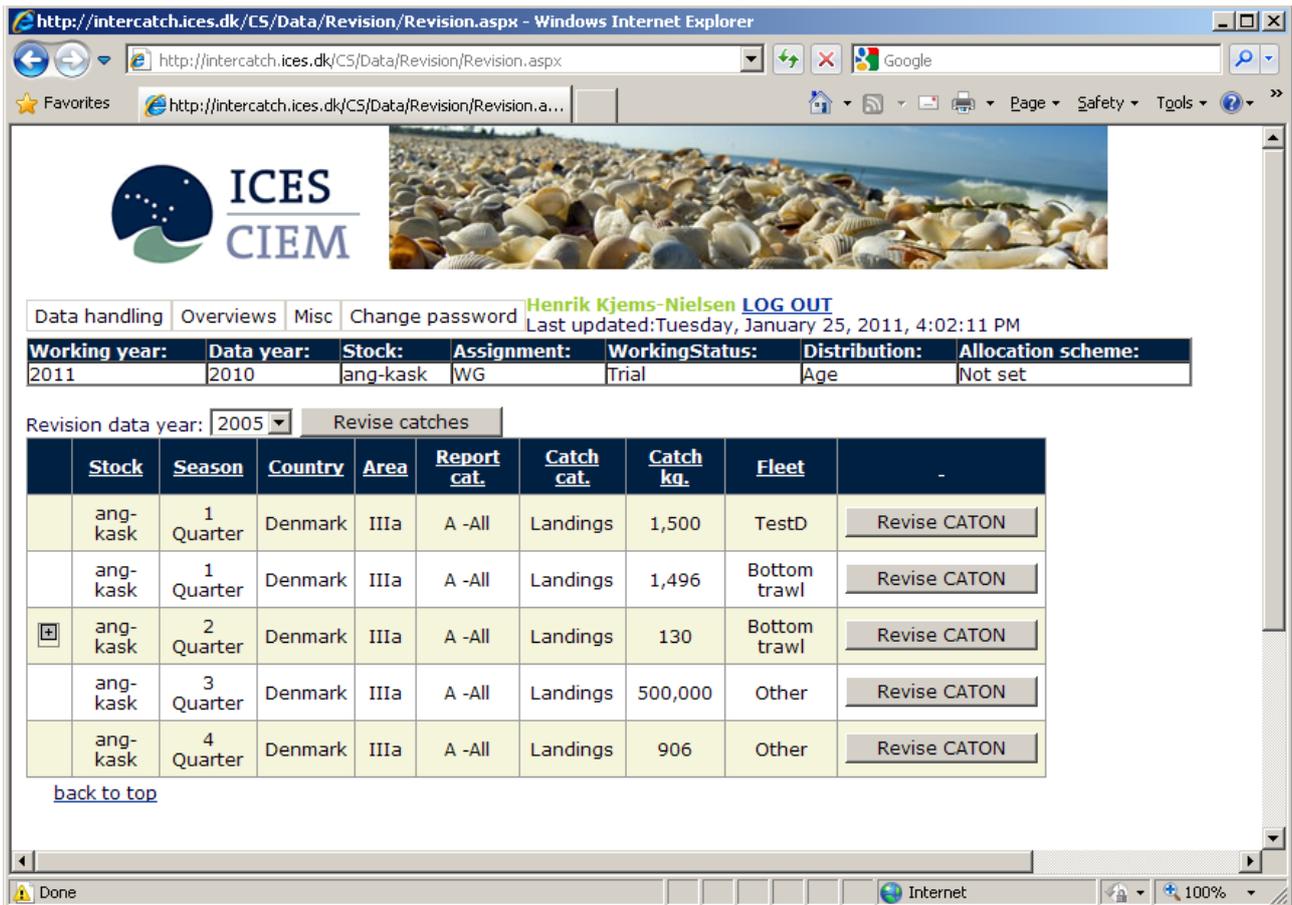
The revision is independent of the working status of the selected 'Stock and Year'. The revision functionality always makes revisions in a previous year's 'Final' working status.

After setting the Stock and Year go to menu item: 9. Revisions of Previous Years Catches



In the drop down box, the **data** year which needs to be revised is selected and the button 'Revise catches' is pressed. Be aware that it is the year of which the data comes from, which should be selected, not the year of the assessment/working year.

If there is no data for the selected year a pop up message will tell this.



When the 'Revise catches' have been pressed. The screen above will be shown.

A plus '+' sign in the first column is shown it is indicating that a revision have been made for that stratum.

In these screen all catches for the selected 'Revision data year' is shown, both catches which was imported with and without sample data.

Press 'Revise CATON' next to the catch, which should be revised

http://intercatch.ices.dk/CS/Data/Revision/Revision.aspx - Windows Internet Explorer

http://intercatch.ices.dk/CS/Data/Revision/Revision.aspx

ICES CIEM

Data handling | Overviews | Misc | Change password | **Henrik Kjems-Nielsen** LOG OUT  
Last updated: Tuesday, January 25, 2011, 4:06:09 PM

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2011	2010	ang-kask	WG	Trial	Age	Not set

Revision data year: 2005

Stock:	Season:	Country:	Area:	Report cat.	Catch cat.	Catch kg.
ang-kask	1 Quarter	Denmark	IIIa	A -All	Landings	1,496
Revise CATON: <input type="text" value="1,550"/>						Comments: Correction from xxx from DK
Numbers at age will automatically be updated according to the new revised CATON. In case new information about Numbers and/or Mean wweights at age or length have been found. These data can be manually edited by checking the check box below"						
<input type="checkbox"/> Manually revise CANUM and WECA						
<b>Repeater1:</b>						
<input type="button" value="Save changes"/>		<input type="button" value="Cancel"/>				

[back to top](#)

Done, but with errors on page. Internet 100%

Enter the new revised catch weight/CATON in the field 'Revise CATON'. Please add a comment, which explains from who and why this revision was made, so it is understandable for a person years later. Then press 'Save changes'.

The CATON will be revised, and the numbers at age or length will also automatically be revised according to the increased or decreased ratio in revised CATON. All previous values are saved.

#### **Revision of catches originally imported with sample data**

For revision of CATON which originally was imported with sample data, a check box next to the Revised CATON is shown, with the text 'Manually revise CANUM and WECA'. By checking the check box the stock coordinator is given the possibility to manually revise the numbers and mean weights at age or length, see the following page.

If the updated catch is allocated to unsampled catches then the numbers at age or length for these unsampled catches are recalculated using the new revised CATON.

A pop up window with a text describing the above text will appear.



The numbers and mean weights at age or length shown are revised according to the just entered revised CATON.

Any of the numbers and mean weights at age or length can be manually changed, but no automatically adjustments are made. This means the stock coordinator have to be sure of the entered values, otherwise a sum of products (SOP) errors can be introduced.

After the values are changed the button 'Save changes' is pressed.

http://intercatch.ices.dk/CS/Data/Revision/Revision.aspx - Windows Internet Explorer

http://intercatch.ices.dk/CS/Data/Revision/Revision.aspx

ICES CIEM

Data handling | Overviews | Misc | Change password | **Henrik Kjems-Nielsen** [LOG OUT](#)  
Last updated: Tuesday, January 25, 2011, 4:10:59 PM

<b>Working year:</b>	<b>Data year:</b>	<b>Stock:</b>	<b>Assignment:</b>	<b>WorkingStatus:</b>	<b>Distribution:</b>	<b>Allocation scheme:</b>
2011	2010	ang-kask	WG	Trial	Age	Not set

Revision data year: 2005

	Stock	Season	Country	Area	Report cat.	Catch cat.	Catch kg.	Fleet	
	ang-kask	1 Quarter	Denmark	IIIa	A -All	Landings	1,500	TestD	<input type="button" value="Revise CATON"/>
<input checked="" type="checkbox"/>	ang-kask	1 Quarter	Denmark	IIIa	A -All	Landings	1,550	Bottom trawl	<input type="button" value="Revise CATON"/>
<input checked="" type="checkbox"/>	ang-kask	2 Quarter	Denmark	IIIa	A -All	Landings	130	Bottom trawl	<input type="button" value="Revise CATON"/>
	ang-kask	3 Quarter	Denmark	IIIa	A -All	Landings	500,000	Other	<input type="button" value="Revise CATON"/>
	ang-kask	4 Quarter	Denmark	IIIa	A -All	Landings	906	Other	<input type="button" value="Revise CATON"/>

[back to top](#)

Done, but with errors on page. Internet 100%

When a CATON have been revised a '+' sign is shown in the first column of the row for the revised CATON strata. This indicates that the stratum at one point has been revised.

http://intercatch.ices.dk/CS/Data/Revision/Revision.aspx - Windows Internet Explorer

http://intercatch.ices.dk/CS/Data/Revision/Revision.aspx

ICES CIEM

Data handling | Overviews | Misc | Change password | **Henrik Kjems-Nielsen** LOG OUT  
Last updated: Tuesday, January 25, 2011, 4:10:59 PM

<b>Working year:</b>	<b>Data year:</b>	<b>Stock:</b>	<b>Assignment:</b>	<b>WorkingStatus:</b>	<b>Distribution:</b>	<b>Allocation scheme:</b>
2011	2010	ang-kask	WG	Trial	Age	Not set

Revision data year: 2005 | Revise catches

	Stock	Season	Country	Area	Report cat.	Catch cat.	Catch kg.	Fleet	
	ang-kask	1 Quarter	Denmark	IIIa	A -All	Landings	1,500	TestD	Revise CATON
<input checked="" type="checkbox"/>	ang-kask	1 Quarter	Denmark	IIIa	A -All	Landings	1,550	Bottom trawl	Revise CATON

	Old caton	user	date changed	Comments	Age data Manually updated
<input checked="" type="checkbox"/>	1,496	Henrik Kjems-Nielsen	1/25/2011 4:09:51 PM	Correction from xxx from DK	<input type="checkbox"/>

	Age or length	Sex	Previous CANUM	CANUM	Previous Mean weight	Mean weight
	3	Undetermined	235.0000	243.4138	821.00	821.00
	4	Undetermined	775.0000	802.7476	1,020.00	1,020.00
	5	Undetermined	215.0000	222.6977	1,410.00	1,410.00
	6	Undetermined	66.0000	68.3630	2,180.00	2,180.00
	7	Undetermined	11.0000	11.3938	3,220.00	3,220.00
	8	Undetermined	1.9000	1.9680	7,040.00	7,040.00
	9	Undetermined	0.2110	0.2186	8,620.00	8,620.00
	10	Undetermined	0.2110	0.2186	12,600.00	12,600.00

<input checked="" type="checkbox"/>	ang-kask	2 Quarter	Denmark	IIIa	A -All	Landings	130	Bottom trawl	Revise CATON
	ang-kask	3 Quarter	Denmark	IIIa	A -All	Landings	500,000	Other	Revise CATON
	ang-kask	4 Quarter	Denmark	IIIa	A -All	Landings	906	Other	Revise CATON

[back to top](#)

Done, but with errors on page. | Internet | 100%

When clicking the '+' sign a sub table appears, which shows the history of catch revisions for the strata. The previous CATON value is shown together with the name of the person, who changed it and the date and time of the change.

If the revised catch have sample data, another '+' sign is shown next to history record. When pressing the '+' sign a sub table appears, which shows the calculated revised CANUM values for each distribution unit age or length.

## 5.10 Raised Discards

Raised Discards only raises/calculate the **discard weight** at this stage. The discards' age or length distribution is allocated in menu '11. Setup or Check Allocation scheme' (just like for landings) and calculated in menu '12. Calculated Distribution from Allocation Scheme'. Raised Discards are done from the menu '10. Raised Discards'. A stock and year must be selected first, no allocation scheme is needed. The Raised discards functionality must be understood before it is used. Using discards in InterCatch can be done in two ways:

1. Only a **few imported discards** and no other discards are to be used
2. With **discards for all strata**, imported discards where data is sampled and raised/calculated discards weights for all other strata, where discards are not imported.

In **case 1** the menu item: 10. Raised Discards should **not be used**.

In **case 2** the Setup Raised Discards **should be used**, because InterCatch will **create** all the **Raised/missing discard strata**, the stock coordinator can then select the matching landings and discards which should be used to calculate the Raised discards catch (CATON).

**Exporting discards and landings separately is done under the menu item '14. Aggregate and Export Stock Data'**. When exporting only the landings select 'L'/'Landings' in the Catch Category field and select 'All' in all other fields, then press the aggregate button and then the export button. When exporting only the discards select in the Catch Category field 'D'/'Discards' and again aggregate and export the data, as under landings.

When entering the menu item 10. Setup Raised Discards for the first time, InterCatch will give a kind of a warning by asking if the user what to continue to Create Raised Discard Data for all strata where discards are missing.

If the user **by fault pressed the button 'Create Raised Discard data'** and do not want all these discard strata, then go to menu item '8. Extract and View Imported Stock/Year Data' and extract again, then the extracted data are just the data imported, there is no automatically created discard strata. Automatically created discard strata have to be actively selected after an stock data extract.

The screenshot shows a web browser window with the URL <http://intercatch.ices.dk/CS/Data/Discard/DiscardAllocationAr>. The page header includes the ICES/CIEM logo and navigation links: Contact, Sitemap, FAQ, Glossary, GroupNet Login, Admin, and a search bar. Below the header, there are tabs for 'Data handling', 'Overviews', 'InterCatch- Misc', and 'Change password'. A user profile for 'Henrik Kjems-Nielsen' is shown with a 'LOG OUT' link and a timestamp 'Last updated: 03 May 2013, 13:39:32'. A table displays the following data:

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2013	2012	aa-s-arct	WG	Final	Age	Not set

Below the table, a message asks: 'Discard data have been imported and extracted, do you want to continue and create all the missing discard data?'. Two buttons are provided: 'Create Unreported Discard Data' and 'Cancel'. At the bottom of the page, contact information for ICES is provided, including the address, phone, fax, and email, along with a disclaimer: 'Disclaimer © ICES - All Rights Reserved'.

If the user clicks the button 'Create Raised Discard data', InterCatch will **automatically create a discard stratum for each landing stratum, where there is no matching discard stratum data**. By matching stratum the following fields have to be the same; country, year, area, temporal extent (e.g. quarter), fleet/metier and reporting category.

The screenshot shows the InterCatch web application interface. At the top, there is a navigation bar with the ICES CIEM logo, contact information, and a search bar. Below the navigation bar, there are several tabs: 'Data handling', 'Overviews', 'InterCatch- Misc', and 'Change password'. The user's name 'Henrik Kjems-Nielsen' and 'LOG OUT' button are visible. A summary table shows the following data:

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2013	2012	aaS-arct	WG	Final	Age	Not set

The main section is titled 'Raised Discards' and contains a table with the following columns: L-D setups, No. L-D setups, Group number, Group name, Country, Year, Season, Area, Catch cat., Report cat., Fleet, Weighting Parameter, Landing Catch kg., and Discard Catch kg. The table contains 8 rows of data, all with a 'Discard Catch kg.' of 0. A 'Go to Group setup' button is located above the table.

L-D setups	No. L-D setups	Group number	Group name	Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Weighting Parameter	Landing Catch kg.	Discard Catch kg.
Edit	0			UK (Scotland)	2012	1	IIa	Discards	R Report	SDN_DEF_>=120_0_0_all		50,000	0
Edit	0			UK (Scotland)	2012	1	IIb	Discards	R Report	SDN_DEF_>=120_0_0_all		323,000	0
Edit	0			UK (Scotland)	2012	2	IIb	Discards	R Report	SDN_DEF_>=120_0_0_all		91,000	0
Edit	0			UK (Scotland)	2012	2	IIa	Discards	R Report	SDN_DEF_>=120_0_0_all		111,000	0
Edit	0			UK (Scotland)	2012	3	IIa	Discards	R Report	SDN_DEF_>=120_0_0_all		30,000	0
Edit	0			UK (Scotland)	2012	4	IIa	Discards	R Report	SDN_DEF_>=120_0_0_all		197,000	0
Edit	0			UK (Scotland)	2012	4	IIa	Discards	R Report	OTB_DEF_80-99_0_0		406,000	0
Edit	0			UK (Scotland)	2012	4	IIb	Discards	R Report	SDN_DEF_>=120_0_0_all		174,000	0

The screen above shows the automatically created raised discard strata with a **catch of 0 kg** just after the button 'Create Raised Discard data' have been pressed. In the second last column from the right the landings catch is shown, so the user has an idea of how important a stratum is. Now the user can setup how the calculation of each of the **raised discard stratum's catches** should be calculated, by pressing the 'Edit' button next each stratum. Or the user can press the 'Go to Group setup', to setup a group of raised discards, for which each raised discard should be raised by the same selection of matched landings-discards.

The very first time the 'Edit' or the 'Go to Group setup' button is pressed and until the first discard allocation have been set up, the user is **redirected to the 'Match related Landing and Discards' page.**

**All the landing and discards which are related have to be matched before proceeding.**

Working year: 2011 Data year: 2010 Stock: aas-arct Assignment: WG WorkingStatus: Trial Distribution: Age Allocation scheme: Not set

### Match related Landings and Discards

**Available landings**

Filter for available landings shown, use shift and ctrl.

Countries: Denmark, UK(Scotland) Seasons: 1, 4, 3, 2 Areas: Iia, Iib Fleets: Bottom trawl, OTB\_CRU\_70-99\_0\_0\_24<40, OTB\_CRU\_90-119\_0\_0\_all

Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Caton	Landings Samples Catch	Landings No. Age Read.	Landings No. Length Meas.	Landings No. Sample Age	Landings No. Sample Length
<input type="checkbox"/> UK (Scotland)	2010	3	Iia	Landings	All - reported, nonreported and misreported	OTB_CRU_70-99_0_0_24<40	43,000,000					
<input checked="" type="checkbox"/> UK (Scotland)	2010	2	Iia	Landings	All - reported, nonreported and misreported	OTB_CRU_70-99_0_0_24<40	90,000,000					

**Available Discards**

Filter for available discards shown, use shift and ctrl.

Choose filter parameters: Countries: UK(Scotland) Seasons: 1, 2 Areas: Iia Fleets: OTB\_CRU\_70-99\_0\_0\_24<40

Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Age or length for discard data exist	Landings Samples Catch	Discards Samples Catch	Discards No. Age Read.	Discards No. Length Meas.	Discards No. Sample Age	Discards No. Sample Length	Caton
<input checked="" type="checkbox"/> UK (Scotland)	2010	2	Iia	Discards	All - reported, nonreported and misreported	OTB_CRU_70-99_0_0_24<40	<input checked="" type="checkbox"/>							38,600,000

Match marked landings and discards Unmatch marked Landings-Discards

### Automatically and manually matched Landings-Discards

Landing Country	Landing Year	Landing Season	Landing Area	Landing Catch cat.	Landing Report cat.	Landing Fleet	Landing Caton	Discard Country	Discard Year	Discard Season	Discard Area	Discard Catch cat.	Discard Report cat.	Discard Fleet	Discard Caton
<input type="checkbox"/> UK (Scotland)	2010	1	Iia	Landings	A All -	OTB_CRU_70-99_0_0_24<40	25,000,000	UK (Scotland)	2010	1	Iia	Discards	A All -	OTB_CRU_70-99_0_0_24<40	4,440,000

Go to Discard Allocation Go to overview of Unreported Discards

back to top

The ‘Match related Landings and Discards’ page consist of 3 grids/tables.

The top grid shows all the imported ‘Available Landings’ strata.

The grid in the middle shows all the imported ‘Available Discards’ strata.

The bottom grid shows all ‘Automatically and manually matched Landings-Discards’. The automatically matched landing and discard are matched/related on an individual stratum basis. Where the **country, season, area, fleet/metier and reporting category are identical, to be able to be representative for a ratio between a landing weight and a discard weight**. So a landing-discard ratio for the given stratum can be calculated and used for further raising for Raised Discards

http://intercatch.ices.dk/CS/Data/Discard/MatchingLandingsAndDiscards.aspx

Henrik Kjems-Nielsen LOG OUT Last updated: 03 May 2013, 13:46:52

Working year: 2013 Data year: 2012 Stock: laas-arct Assignment: WG WorkingStatus: Final Distribution: Age Allocation scheme: Not set

### Match related Landings and Discards

#### Available Landings

Filter for available landings shown, use shift and ctrl.

Countries: UK(Scotland) Seasons: 1 2 3 4 Areas: Iia Iib Fleets: OTB\_DEF\_80-99\_0\_0 SDN\_DEF >=120\_0\_0\_all

Search part of fleet name by keyword:

Update filter

Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Caton	Landings Samples Catch	Landings No. Age Read.	Landings No. Length Meas.	Landings No. Sample Age	Landings No. Sample Length
<input type="checkbox"/> UK (Scotland)	2012	1	Iia	Landings	R Report	SDN_DEF_>=120_0_0_all	50,000.000					
<input type="checkbox"/> UK (Scotland)	2012	1	Iib	Landings	R Report	SDN_DEF_>=120_0_0_all	323,000.000					
<input type="checkbox"/> UK (Scotland)	2012	2	Iib	Landings	R Report	SDN_DEF_>=120_0_0_all	91,000.000					
<input type="checkbox"/> UK (Scotland)	2012	2	Iia	Landings	R Report	SDN_DEF_>=120_0_0_all	111,000.000					
<input type="checkbox"/> UK (Scotland)	2012	3	Iia	Landings	R Report	SDN_DEF_>=120_0_0_all	30,000.000					
<input type="checkbox"/> UK (Scotland)	2012	4	Iia	Landings	R Report	SDN_DEF_>=120_0_0_all	197,000.000					
<input type="checkbox"/> UK (Scotland)	2012	4	Iia	Landings	R Report	OTB_DEF_80-99_0_0	406,000.000					
<input type="checkbox"/> UK (Scotland)	2012	4	Iib	Landings	R Report	SDN_DEF_>=120_0_0_all	174,000.000					

#### Available Discards

Filter for available discards shown, use shift and ctrl.

Countries: UK(Scotland) Seasons: 1 2012 Areas: Iia Fleets: OTB\_DEF\_80-99\_0\_0 SDN\_DEF >=120\_0\_0\_all

Search part of fleet name by keyword:

Update filter

Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Age or length for discard data exist	Landings Samples Catch	Discards Samples Catch	Discards No. Age Read.	Discards No. Length Meas.	Discards No. Sample Age	Discards No. Sample Length	Caton
<input type="checkbox"/> UK (Scotland)	2012	1	Iia	Discards	R Report	OTB_DEF_80-99_0_0	<input type="checkbox"/>							858,000.000
<input type="checkbox"/> UK (Scotland)	2012	2012	Iia	Discards	R Report	SDN_DEF_>=120_0_0_all	<input type="checkbox"/>							197,000.000

For a real stock the 3 grids/tables cannot be seen on a screen, as in the example above only the top part of the page is shown. Use the scroll bar to move down. In the top grid all landings strata, for which there are not imported a matching/relating discard weight, is shown.

In the middle grid all discards strata, for which there are not imported a matching/relating landing weight, is shown.

The screenshot shows the InterCatch web application interface. At the top, there is a browser window with the URL <http://intercatch.ices.dk/CS/Data/Discard/MatchingLandingsAndDiscards.aspx>. Below the browser window is a table with columns: Country, Year, Season, Area, Catch cat., Report cat., Fleet, Caton, Samples Catch, No. Age Read., No. Length Meas., No. Sample Age, and No. Sample Length. The table contains 8 rows of data for UK (Scotland) in 2012, with various seasons and areas (Iia, Iib) and fleets (SDN\_DEF\_>=120\_0\_0\_all, OTB\_DEF\_80-99\_0\_0).

Below the table is the 'Available Discards' section. It includes a filter for available discards shown, with options for Countries (UK(Scotland)), Seasons (1, 2012), Areas (Iia), and Fleets (OTB\_DEF\_80-99\_0\_0, SDN\_DEF\_>=120\_0\_0\_all). There is a search part of fleet name by keyword field and an 'Update filter' button.

Below the filter section is another table with columns: Country, Year, Season, Area, Catch cat., Report cat., Fleet, Age or length for discard data exist, Landings Samples Catch, Discards Samples Catch, Discards No. Age Read., Discards No. Length Meas., Discards No. Sample Age, Discards No. Sample Length, and Caton. This table contains 2 rows of data for UK (Scotland) in 2012, with areas Iia and Iib, and fleets OTB\_DEF\_80-99\_0\_0 and SDN\_DEF\_>=120\_0\_0\_all.

Below the table are two buttons: 'Match marked landings and discards' and 'Unmatch marked Landings-Discards'.

Below the buttons is the 'Automatically and manually matched Landings-Discards' section. It includes a table with columns: Landing Country, Landing Year, Landing Season, Landing Area, Landing Catch cat., Landing Report cat., Landing Fleet, Landing Caton, Discard Country, Discard Year, Discard Season, Discard Area, Discard Catch cat., Discard Report cat., Discard Fleet, and Discard Caton. This table contains 2 rows of data for UK (Scotland) in 2012, with areas Iia and Iib, and fleets OTB\_DEF\_80-99\_0\_0 and OTB\_DEF\_80-99\_0\_0.

At the bottom of the page are two buttons: 'Go to Group setup' and 'Go to Raised Discards'.

When entering the page ‘**Match related Landings and Discards**’ all landings and discards from the **same strata** are automatically matched. Please scroll down to the bottom. See the automatically matched light brown landing-discard stratum and green-grey landing-discard stratum at the bottom of the page. By **same strata** the following fields have to be the same; **country, year, area, temporal extent (e.g. quarter), fleet/metier and reporting category**.

But it could be that landings are imported per quarter, and discards are imported for the whole year. In this case the user manually marks and match the related strata

http://intercatch.ices.dk/CS/Data/Discard/MatchingLandingsAndDiscards.aspx

**Available Landings**

Filter for available landings shown, use shift and ctrl.

Countries: UK(Scotland) Seasons: 1 2 3 4 Areas: Iia Iib Fleets: OTB\_DEF\_80-99\_0\_0 SDN\_DEF\_>=120\_0\_0\_all

Search part of fleet name by keyword:

Update filter

Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Caton	Landings Samples Catch	Landings No. Age Read.	Landings No. Length Meas.	Landings No. Sample Age	Landings No. Sample Length
<input checked="" type="checkbox"/> UK (Scotland)	2012	1	Iia	Landings	R Report	SDN_DEF_>=120_0_0_all	50,000.000					
<input checked="" type="checkbox"/> UK (Scotland)	2012	2	Iia	Landings	R Report	SDN_DEF_>=120_0_0_all	111,000.000					
<input checked="" type="checkbox"/> UK (Scotland)	2012	3	Iia	Landings	R Report	SDN_DEF_>=120_0_0_all	30,000.000					
<input checked="" type="checkbox"/> UK (Scotland)	2012	4	Iia	Landings	R Report	SDN_DEF_>=120_0_0_all	197,000.000					

**Available Discards**

Filter for available discards shown, use shift and ctrl.

Countries: UK(Scotland) Seasons: 1 2012 Areas: Iia Fleets: OTB\_DEF\_80-99\_0\_0 SDN\_DEF\_>=120\_0\_0\_all

Search part of fleet name by keyword:

Update filter

Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Age or length for discard data exist	Landings Samples Catch	Discards Samples Catch	Discards No. Age Read.	Discards No. Length Meas.	Discards No. Sample Age	Discards No. Sample Length	Caton
<input type="checkbox"/> UK (Scotland)	2012	1	Iia	Discards	R Report	OTB_DEF_80-99_0_0	<input type="checkbox"/>							858,000.000
<input checked="" type="checkbox"/> UK (Scotland)	2012	2012	Iia	Discards	R Report	SDN_DEF_>=120_0_0_all	<input type="checkbox"/>							197,000.000

Match marked landings and discards      Unmatch marked Landings-Discards

**Automatically and manually matched Landings-Discards**

Landing Country	Landing Year	Landing Season	Landing Area	Landing Catch cat.	Landing Report cat.	Landing Fleet	Landing Caton	Discard Country	Discard Year	Discard Season	Discard Area	Discard Catch cat.	Discard Report cat.	Discard Fleet	Discard Caton
<input type="checkbox"/> UK (Scotland)	2012	2	Iia	Landings	R Report	OTB_DEF_80-99_0_0	2,935,000.000	UK (Scotland)	2012	2	Iia	Discards	R Report	OTB_DEF_80-99_0_0	111,000.000
<input type="checkbox"/> UK (Scotland)	2012	3	Iia	Landings	R Report	OTB_DEF_80-99_0_0	1,000.000	UK (Scotland)	2012	3	Iia	Discards	R Report	OTB_DEF_80-99_0_0	2,000.000

Just like described, it could be that landings are imported per quarter, and discards are imported for the whole year. Use the filter to filter the landings. In this case there are 4 quarterly landings and 1 annually discard, the user then manually check-marks the most left column all the four quarterly landings and the annually discard stratum, see the page above. Then the button ‘Match marked landings and discards’ is pressed. This will match the four quarterly landings with the annually discard stratum.

**Available Landings**

Filter for available landings shown, use shift and ctrl.

Countries: UK(Scotland) Seasons: 1, 2, 3, 4 Areas: Iia, Iib Fleets: OTB\_DEF\_80-99\_0\_0, SDN\_DEF >=120\_0\_0\_all

No data found

**Available Discards**

Filter for available discards shown, use shift and ctrl.

Countries: UK(Scotland) Seasons: 1, 2012 Areas: Iia Fleets: OTB\_DEF\_80-99\_0\_0, SDN\_DEF >=120\_0\_0\_all

Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Age or length for discard data exist	Landings Samples Catch	Discards Samples Catch	Discards No. Age Read.	Discards No. Length Meas.	Discards No. Sample Age	Discards No. Sample Length	Caton
UK (Scotland)	2012	1	Iia	Discards	R Report	OTB_DEF_80-99_0_0	<input type="checkbox"/>							858,000.000

Match marked landings and discards Unmatch marked Landings-Discards

**Automatically and manually matched Landings-Discards**

Landing Country	Landing Year	Landing Season	Landing Area	Landing Catch cat.	Landing Report cat.	Landing Fleet	Landing Caton	Discard Country	Discard Year	Discard Season	Discard Area	Discard Catch cat.	Discard Report cat.	Discard Fle
UK (Scotland)	2012	2	Iia	Landings	R Report	OTB_DEF_80-99_0_0	2,935,000.000	UK (Scotland)	2012	2	Iia	Discards	R Report	OTB_DEF_80-99_0_0
UK (Scotland)	2012	3	Iia	Landings	R Report	OTB_DEF_80-99_0_0	1,000.000	UK (Scotland)	2012	3	Iia	Discards	R Report	OTB_DEF_80-99_0_0
UK (Scotland)	2012	1	Iia	Landings	R Report	SDN_DEF >=120_0_0_all	50,000.000	UK (Scotland)	2012	2012	Iia	Discards	R Report	SDN_DEF >=120_0_0_all
UK (Scotland)	2012	2	Iia	Landings	R Report	SDN_DEF >=120_0_0_all	111,000.000							
UK (Scotland)	2012	3	Iia	Landings	R Report	SDN_DEF >=120_0_0_all	30,000.000							
UK (Scotland)	2012	4	Iia	Landings	R Report	SDN_DEF >=120_0_0_all	197,000.000							

Go to Group setup Go to Raised Discards

After the button ‘Match marked Landings and Discards’ have been pressed, the marked strata are removed from the Available Landings and Available Discards and the new manually matched landings and discards are shown together with the automatically matched landings and discards under ‘Automatically and manually matched Landings-Discards’.

The 3 landing-discard strata can now be used for calculating a landing-discard ratio, which can be used to calculate the raised discards’ weights.

At the same time the 4 (InterCatch created) ‘raised discards’ strata relating to the 4 quarterly landings (just matched landing part of the light green) are deleted. These 4 created raised discards strata was created because there was not found a matching imported discard. But now the user have set up a relation between the 4 quarterly landings strata and the annually discard, so now the 4 created raised discards strata must be deleted.

Both automatically and manually match landings and discards can be unmatched, there is no difference between automatically and manually match landings and discards. If several landings (or discards) strata are match together then marking only one of the strata data lines and pressing the button 'Unmatch marked Landings-Discards' will result in all of the matched strata are unmatched.

**All the landing and discards which are related have to be matched before proceeding**

Once all the related landings and discards are matched for the stock, the user can proceed to select the relevant landing-discard ratios for the raised discards catches by pressing the button 'Go to Select L-D for raised Discard' (or 'Go to Group Setup, if coming from Group Setup). See the following page.

The screenshot shows a web browser window with the URL <http://intercatch.ices.dk/CS/Data/Discard/DiscardAllocationSetup.aspx?StratumID=106928>. The user is logged in as Henrik Kjems-Nielsen. The interface is divided into three main sections:

**For Unreported Discard:** A table showing the current selection for the unreported discard.

Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Catch kg.
Denmark	2010	2 Quarter	Ila	Discards	All - re	OTB_CRU_90-119_0_0_all	0

**Available Landings-Discards:** A section for filtering available landings. The filter parameters are: UK(Scotland), Seasons 1, 2, Areas Ila, and Fleets OTB\_CRU\_70-99\_0\_0\_24<40.

Landing Country	Landing Year	Landing Season	Landing Area	Landing Report cat.	Landing Fleet	Multiple landing stratas	Landing in kg.	Discard in kg.	Discard Ratio	Age or length discard data exist	Multiple discard stratas	Discard Country
<input type="checkbox"/> UK (Scotland)	2010	1	Ila	All - reported, nonreported and misreported	OTB_CRU_70-99_0_0_24<40	<input type="checkbox"/>	25,000,000.000	4,440,000.000	0.178	<input type="checkbox"/>	<input type="checkbox"/>	UK (Scotland)

**Selected Landings-Discards:** A section for selecting landings. The filter parameters are: UK(Scotland), Seasons 2, Areas Ila, and Fleets OTB\_CRU\_70-99\_0\_0\_24<40.

Landing Country	Landing Year	Landing Season	Landing Area	Landing Report cat.	Landing Fleet	Multiple landing stratas	Sum of Landing in kg.	Sum of Discard in kg.	Discard Ratio	Age or length discard data exist	Multiple discard stratas	Weighting Factor
<input type="checkbox"/> UK (Scotland)	2010	2	Ila	All - reported, nonreported and misreported	OTB_CRU_70-99_0_0_24<40	<input type="checkbox"/>	90,000,000.000	38,600,000.000	0.429	<input type="checkbox"/>	<input type="checkbox"/>	90,000,000.

At the bottom, there is a 'Comments' field and a 'Weighting Factor (at stratum level) by:' dropdown menu set to 'Landing CATON'. There are 'OK' and 'Cancel' buttons.

The screen is divided into 3 parts:

1. **For Raised Discard**, the stratum which is being set up
2. **Available Landings-Discards**, on which the calculation of the raised discards catch **can be** based
3. **Selected(/allocated) Landings-Discards** strata, on which the calculation of the raised discard's catch **will be** based

In the right upper corner there is a button 'Go to Match Related Landings and Discards', which direct the user to the 'Match related Landings and Discards' page, so the user at any time can check the landing-discard matches made. All landing-discard matches should have been done at this point, so all the matched landings-discards are available for all the raised discards.

Under the **Available Landings-Discards** there is a filter for the strata shown in the Available Landings and Discards table, to show all available Landings-Discards pairs all items in all filter parameters must be selected (marked blue). Select the item by clicking/marking a value and **holding the shift button down** while another item is clicked with the mouse, or **hold the control button down** while selecting individual items in the filter parameters. Finally press the 'Update Filter' button

By using the check mark to the most left of each stratum, strata can be added to the selected or removed from the selected strata.

The screenshot displays the 'Discard/Allocation Setup' page in the InterCatch system. At the top, there's a navigation bar with 'Data handling', 'Overviews', and 'InterCatch- Misc'. The user is identified as Henrik Kjems-Nielsen, last updated on 20 January 2012. The main configuration shows 'Working year: 2011', 'Data year: 2010', 'Stock: aas-arct', 'Assignment: WG', 'WorkingStatus: Trial', 'Distribution: Age', and 'Allocation scheme: Not set'.

The primary section is 'Select Landings-Discards for Unreported Discard'. A summary table shows:
 

Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Catch kg.
Denmark	2010	2 Quarter	Iia	Discards	All - re	OTB_CRU_90-119_0_0_all	514,666

Below this, the 'Available Landings-Discards' section includes filter options:
 

- Choose fileter parameters: UK(Scotland)
- Seasons: 1, 2
- Areas: Iia
- Fleets: OTB\_CRU\_70-99\_0\_0\_24<40

The 'Available Landings-Discards' table lists various landings with columns for Country, Year, Season, Area, Report cat., Fleet, Multiple landing stratas, Landing in kg., Discard in kg., Discard Ratio, Age or length discard data exist, Multiple discard stratas, and Discard Country. One entry is highlighted:
 

Landing Country	Landing Year	Landing Season	Landing Area	Landing Report cat.	Landing Fleet	Multiple landing stratas	Landing in kg.	Discard in kg.	Discard Ratio	Age or length discard data exist	Multiple discard stratas	Discard Country
UK (Scotland)	2010	1	Iia	All - reported, nonreported and misreported	OTB_CRU_70-99_0_0_24<40	<input type="checkbox"/>	25,000,000.000	4,440,000.000	0.178	<input type="checkbox"/>	<input type="checkbox"/>	UK (Scotland)

The 'Selected Landings-Discards' section shows a table with additional columns: Sum of Landing in kg., Sum of Discard in kg., Discard Ratio, Age or length discard data exist, Multiple discard stratas, and Weighting Factor. One entry is selected:
 

Landing Country	Landing Year	Landing Season	Landing Area	Landing Report cat.	Landing Fleet	Multiple landing stratas	Sum of Landing in kg.	Sum of Discard in kg.	Discard Ratio	Age or length discard data exist	Multiple discard stratas	Weighting Factor
UK (Scotland)	2010	2	Iia	All - reported, nonreported and misreported	OTB_CRU_70-99_0_0_24<40	<input type="checkbox"/>	90,000,000.000	38,600,000.000	0.429	<input type="checkbox"/>	<input type="checkbox"/>	0.000

At the bottom, the 'Comments' section has a text area and a 'Weighting Factor (at stratum level) by:' dropdown menu. The dropdown is open, showing options like 'Landing CATON', 'Discard CATON', and 'Landing No. Age Read'. 'Landing CATON' is currently selected. There are 'OK' and 'Cancel' buttons to the right.

In the screen above the 2<sup>st</sup> quarter stratum have been selected to be used as basis for calculating the discard catch.

When **only one** Landings-Discards has been selected for the raised discard stratum, the weighting factor does not matter. Then the discard CATON is calculated directly from 'For Raised Discard' stratum's related landing CATON multiplied with the rate between the selected Landings-Discards.

When **more than one** Landings-Discards stratum have been selected, the **weighting factor has to be selected**. Select the field, which should be used as weighing factor, from the list shown when clicking the Weighing Factor field. In the page above 'Landing CATON' is selected. The standard is to let the selected Landings-Discards be weighted by the 'Landings CATON' (landings catch), this is all so the default.

The screenshot displays the 'Select Landings-Discards for Unreported Discard' page. At the top, there is a navigation menu with options like 'Data handling', 'Overviews', and 'InterCatch- Misc'. Below this, user information for 'Henrik Kjems-Nielsen' is shown, including a 'LOG OUT' link and a 'Last updated' timestamp. A summary table provides details for the current selection:

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2011	2010	aas-arct	WG	Trial	Age	Not set

The main section is titled 'Select Landings-Discards for Unreported Discard'. It features a 'For Unreported Discard' header and a 'Go to Match Related Landings and Discards' button. A table shows the current selection:

Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Catch kg.
Denmark	2010	2 Quarter	IIa	Discards	All - re	OTB_CRU_90-119_0_0_all	514,666

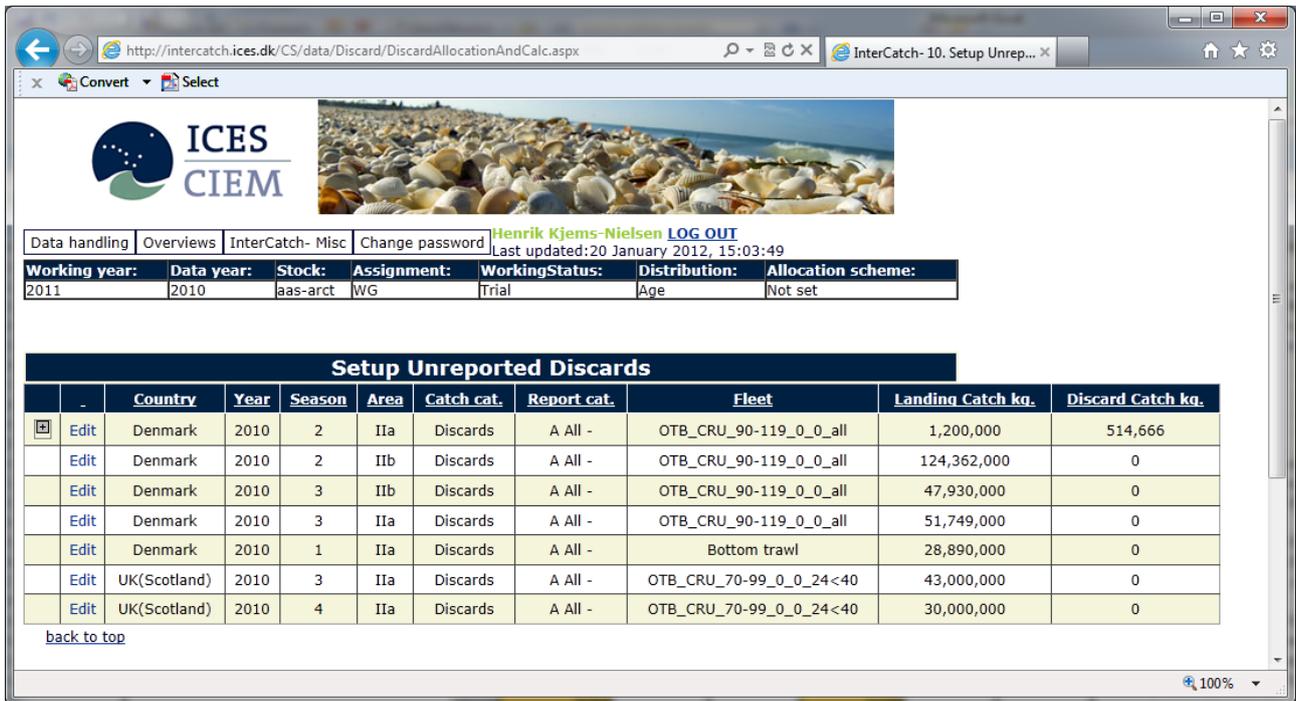
Below this, the 'Available Landings-Discards' section includes a filter instruction: 'Filter for available landings shown, use shift and ctrl.' It shows filter parameters: 'Choose fileter parameters: Countries: UK(Scotland)', 'Seasons: 1, 2', 'Areas: IIa', and 'Fleets: OTB\_CRU\_70-99\_0\_0\_24<40'. A table lists available landings with columns for 'Landing Country', 'Landing Year', 'Landing Season', 'Landing Area', 'Landing Report cat.', 'Landing Fleet', 'Multiple landing stratas', 'Landing in kg.', 'Discard in kg.', 'Discard Ratio', 'Age or length discard data exist', 'Multiple discard stratas', and 'Discard Country'. One entry is visible for 'UK (Scotland)' in 2010, Season 1, Area IIa.

The 'Selected Landings-Discards' section has buttons for 'Add selected', 'Add all', 'Remove all', and 'Remove selected'. It contains a table with columns for 'Landing Country', 'Landing Year', 'Landing Season', 'Landing Area', 'Landing Report cat.', 'Landing Fleet', 'Multiple landing stratas', 'Sum of Landing in kg.', 'Sum of Discard in kg.', 'Discard Ratio', 'Age or length discard data exist', 'Multiple discard stratas', and 'Weighting Factor'. One entry is shown for 'UK (Scotland)' in 2010, Season 2, Area IIa, with a 'Weighting Factor' of 0.000.

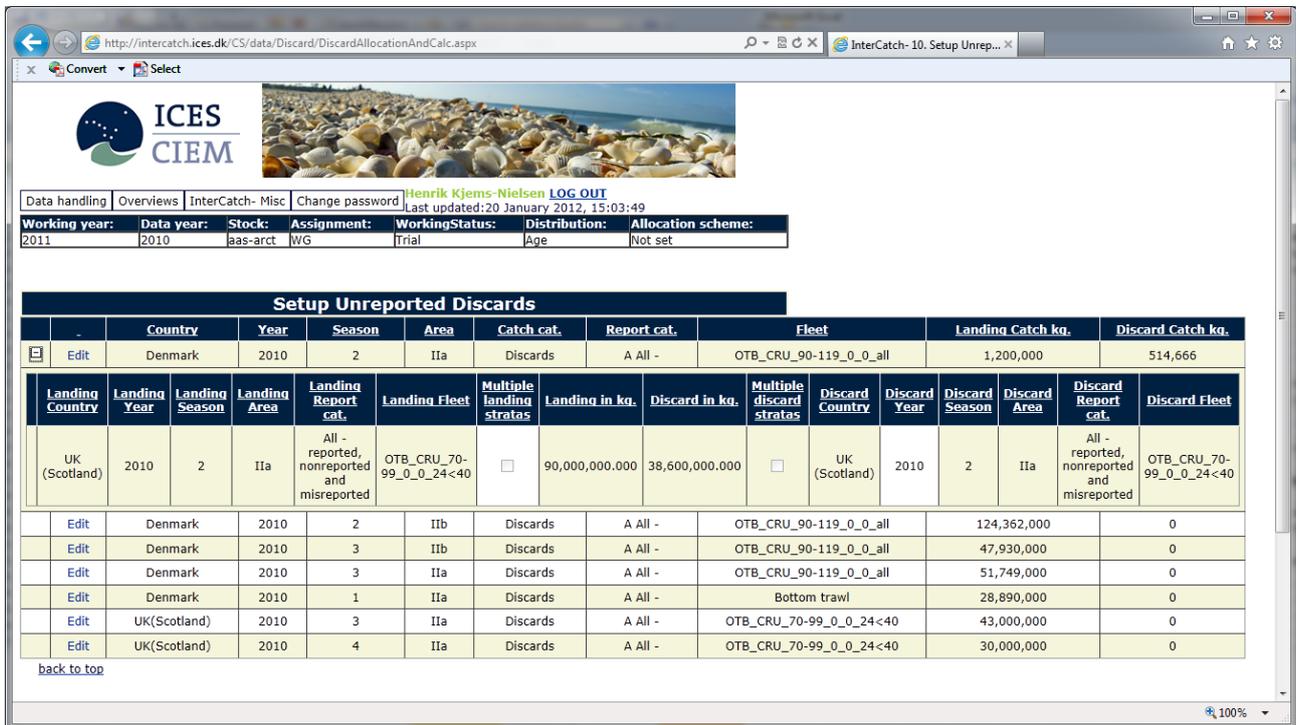
At the bottom, there is a 'Comments' field with the text: 'Only the 2nd quarter Landings-Discards is used, because of a large difference between quarters'. Next to it is a 'Weighting Factor (at stratum level) by:' dropdown menu set to 'Landing CATON'. 'OK' and 'Cancel' buttons are also present.

A comment in the comment field at the left bottom can be written. This comment is written in the exported 'Discard allocation file', which document which landings-discards was selected to calculate all the raised discards.

When the raised discard has been set up, by selecting the best Landings-Discards and the weighing, the OK-button is pressed and the set up is saved. The user is redirected to the 'Setup Raised Discards' page.



The user is returned to the screen shown above. For each stratum where the raised discard have been set up, a plus sign ‘+’ is shown to the left of the stratum and the **calculated discard catch** is shown to the most right.



By pressing the plus sign ‘+’ the selected landings-discards, which the calculation of the raised discards catch is based on is shown.

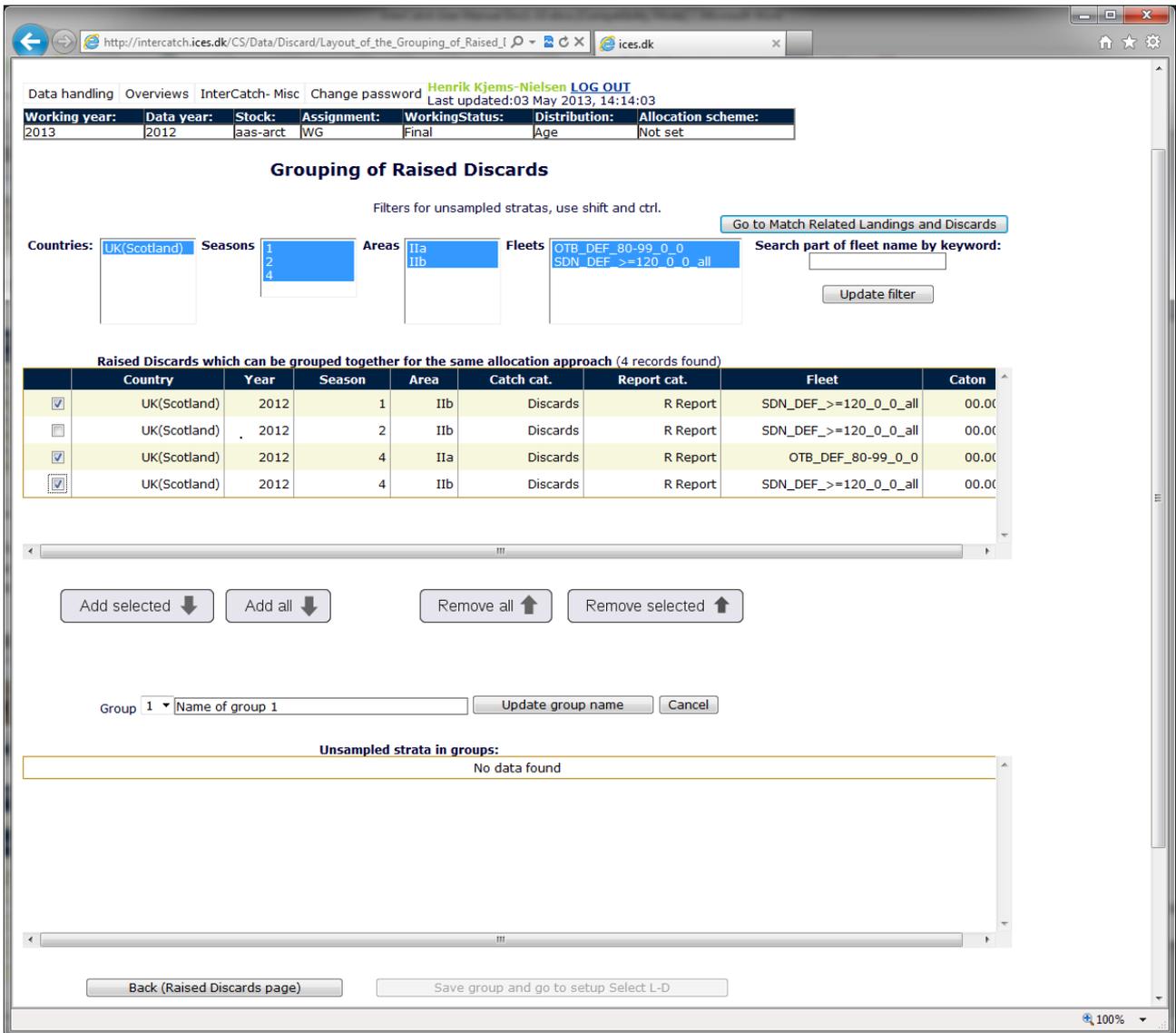
### 5.10.1 Discard Group Setup

The screenshot shows the InterCatch web application interface. At the top, there is a navigation bar with the ICES/CIEM logo, contact information, and a search bar. Below the navigation bar, there are several tabs: 'Data handling', 'Overviews', 'InterCatch- Misc', 'Change password', and 'Henrik Kjems-Nielsen LOG OUT'. A status bar indicates 'Last updated: 10 May 2013, 14:29:13'. Below this, there is a table with columns: 'Working year:', 'Data year:', 'Stock:', 'Assignment:', 'WorkingStatus:', 'Distribution:', and 'Allocation scheme:'. The data row shows: '2013', '2012', 'aas-arct', 'WG', 'Final', 'Age', and 'Not set'. The main content area is titled 'Raised Discards' and features a 'Go to Group setup' button. Below this is a table with the following columns: 'L-D setups', 'No. L-D setups', 'Group number', 'Group name', 'Country', 'Year', 'Season', 'Area', 'Catch cat.', 'Report cat.', 'Fleet', 'Weighting Parameter', 'Landing Catch kq.', and 'Discard Catch kq.'. The table contains four rows of data for different discard groups in Scotland in 2012.

L-D setups	No. L-D setups	Group number	Group name	Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Weighting Parameter	Landing Catch kq.	Discard Catch kq.
<a href="#">View</a>	<a href="#">Edit</a>	2	1	SDN group	UK (Scotland)	2012	1	I Ib	Discards	R Report	SDN_DEF_>=120_0_0_all	323,000	29,938
	<a href="#">Edit</a>	0			UK (Scotland)	2012	2	I Ib	Discards	R Report	SDN_DEF_>=120_0_0_all	91,000	0
<a href="#">View</a>	<a href="#">Edit</a>	2	1	SDN group	UK (Scotland)	2012	4	IIa	Discards	R Report	OTB_DEF_80-99_0_0	406,000	37,631
<a href="#">View</a>	<a href="#">Edit</a>	2	1	SDN group	UK (Scotland)	2012	4	I Ib	Discards	R Report	SDN_DEF_>=120_0_0_all	174,000	16,128

International Council for the Exploration of the Sea (ICES) · Conseil International pour l'Exploration de la Mer (CIEM)  
 ICES Secretariat · H. C. Andersens Boulevard 44-46, DK 1553, Copenhagen Denmark · Tel: +45 3338 6700 · Fax: +45 3393 4215 · [info@ices.dk](mailto:info@ices.dk)  
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If the user want to set up which landing-discard ratios to use for a group of raised discards, then the user should press the button 'Go to Group setup'.



First the user select the raised discards strata which should be grouped (meaning using the same landing-discards) among the all the raised discards which have not already been setup. The selected raised discards are marked in the most left column.

Data handling | Overviews | InterCatch- Misc | Change password | **Henrik Kjems-Nielsen** LOG OUT  
Last updated: 03 May 2013, 14:16:45

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2013	2012	bas-arct	WG	Final	Age	Not set

### Grouping of Raised Discards

Filters for unsampled stratas, use shift and ctrl.

Countries: 
 Seasons: 
 Areas: 
 Fleets: 
 Search part of fleet name by keyword: 
 Update filter

Go to Match Related Landings and Discards

**Raised Discards which can be grouped together for the same allocation approach (1 records found)**

	Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Caton
<input type="checkbox"/>	UK(Scotland)	2012	2	IIb	Discards	R Report	SDN_DEF_>=120_0_0_all	00.00

Add selected ↓    Add all ↓    Remove all ↑    Remove selected ↑

Group 1 ▾     Update group name    Cancel

**Unsampled strata in groups: (3 records found)**

	Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Caton
<input type="checkbox"/>	UK(Scotland)	2012	1	IIb	Discards	R Report	SDN_DEF_>=120_0_0_all	00.00
<input type="checkbox"/>	UK(Scotland)	2012	4	IIa	Discards	R Report	OTB_DEF_80-99_0_0	00.00
<input type="checkbox"/>	UK(Scotland)	2012	4	IIb	Discards	R Report	SDN_DEF_>=120_0_0_all	00.00

Back (Raised Discards page)    Save group and go to setup Select L-D

When the 'Add selected' is pressed the raised discard strata are move into the group. The group have been given a name (this is optional) press the 'Save group and go to setup Select L-D'.

The Update group name should only be used when giving the group a name before adding raised discards to it, or when renaming the group.

**Select Landings-Discards for Grouped Raised Discards**

Raised discards grouped together: Group 1 | SDN group (3 records found)

Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Caton
UK(Scotland)	2012	1	I1b	Discards	R Report	SDN_DEF_>=120_0_0_all	00.00
UK(Scotland)	2012	4	I1a	Discards	R Report	OTB_DEF_80-99_0_0	00.00
UK(Scotland)	2012	4	I1b	Discards	R Report	SDN_DEF_>=120_0_0_all	00.00

Filters for sampled strata

Countries: UK(Scotland) Seasons: 1, 2, 3 Areas: I1a Fleets: OTB\_DEF\_80-99\_0\_0, SDN\_DEF\_>=120\_0\_0\_all

Search part of fleet name by keyword:

Update filter

Matched landings-discards, which can be applied to each raised discard in the group (3 records found)

Landing Country	Landing Year	Landing Season	Landing Area	Landing Report cat.	Landing Fleet	Multiple landing stratas	Landing in kg.	Discard in kg.	Discard Ratio	Age or length discard data exist	Multiple discard stratas	Discard Country
<input checked="" type="checkbox"/> UK (Scotland)	2012	1,2,3,4	I1a	R Report	SDN_DEF_>=120_0_0_all	<input checked="" type="checkbox"/>	388,000.000	197,000.000	0.508	<input type="checkbox"/>	<input type="checkbox"/>	U (Scotland)
<input checked="" type="checkbox"/> UK (Scotland)	2012	2	I1a	R Report	OTB_DEF_80-99_0_0	<input type="checkbox"/>	2,935,000.000	111,000.000	0.038	<input type="checkbox"/>	<input type="checkbox"/>	U (Scotland)
<input type="checkbox"/> UK (Scotland)	2012	3	I1a	R Report	OTB_DEF_80-99_0_0	<input type="checkbox"/>	1,000.000	2,000.000	2.000	<input type="checkbox"/>	<input type="checkbox"/>	U (Scotland)

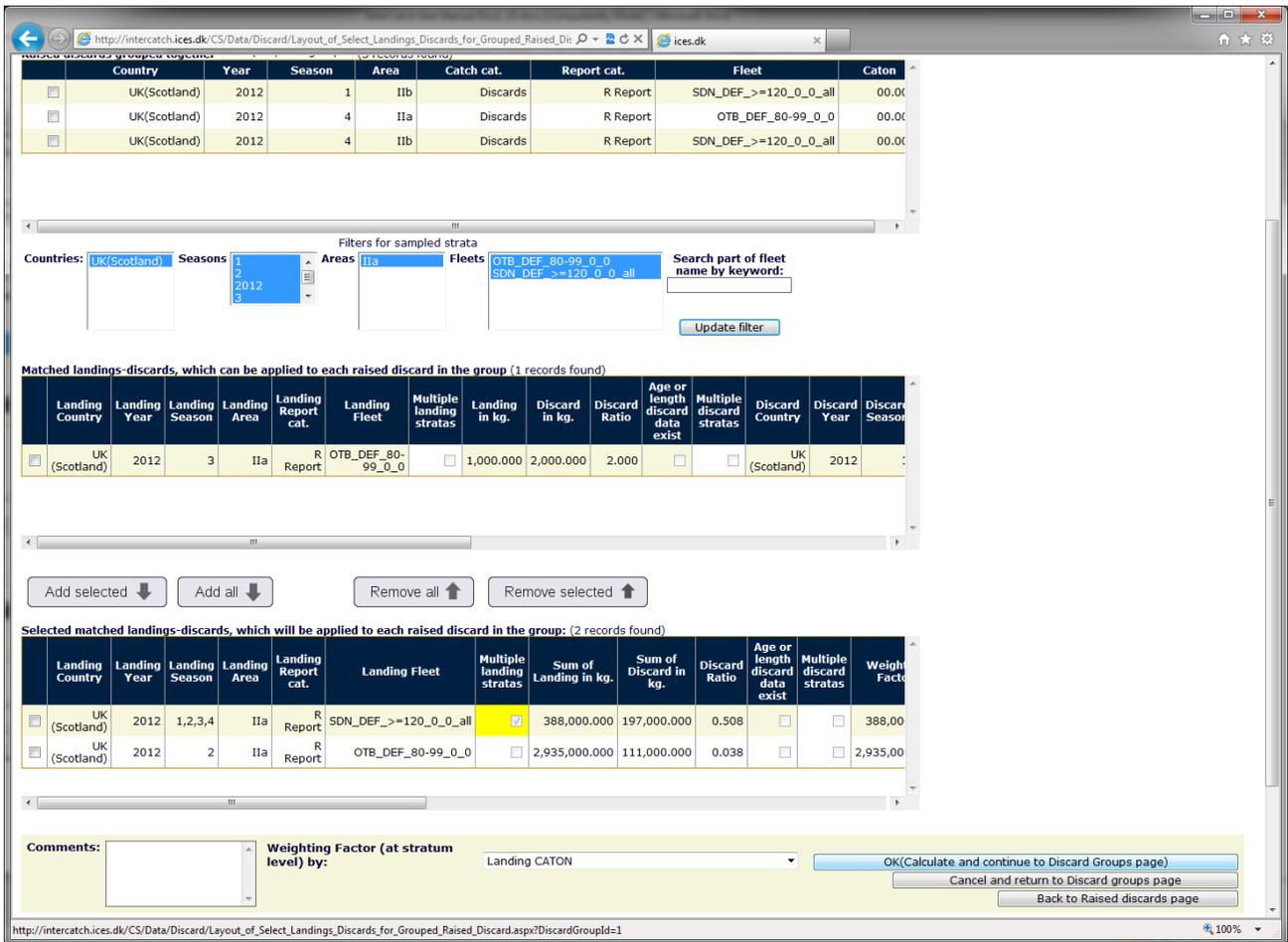
Add selected ↓ Add all ↓ Remove all ↑ Remove selected ↑

Selected matched landings-discards, which will be applied to each raised discard in the group: No data found

Comments:  Weighting Factor (at stratum level) by: Landing CATON OK(Calculate and continue to Discard Groups page)

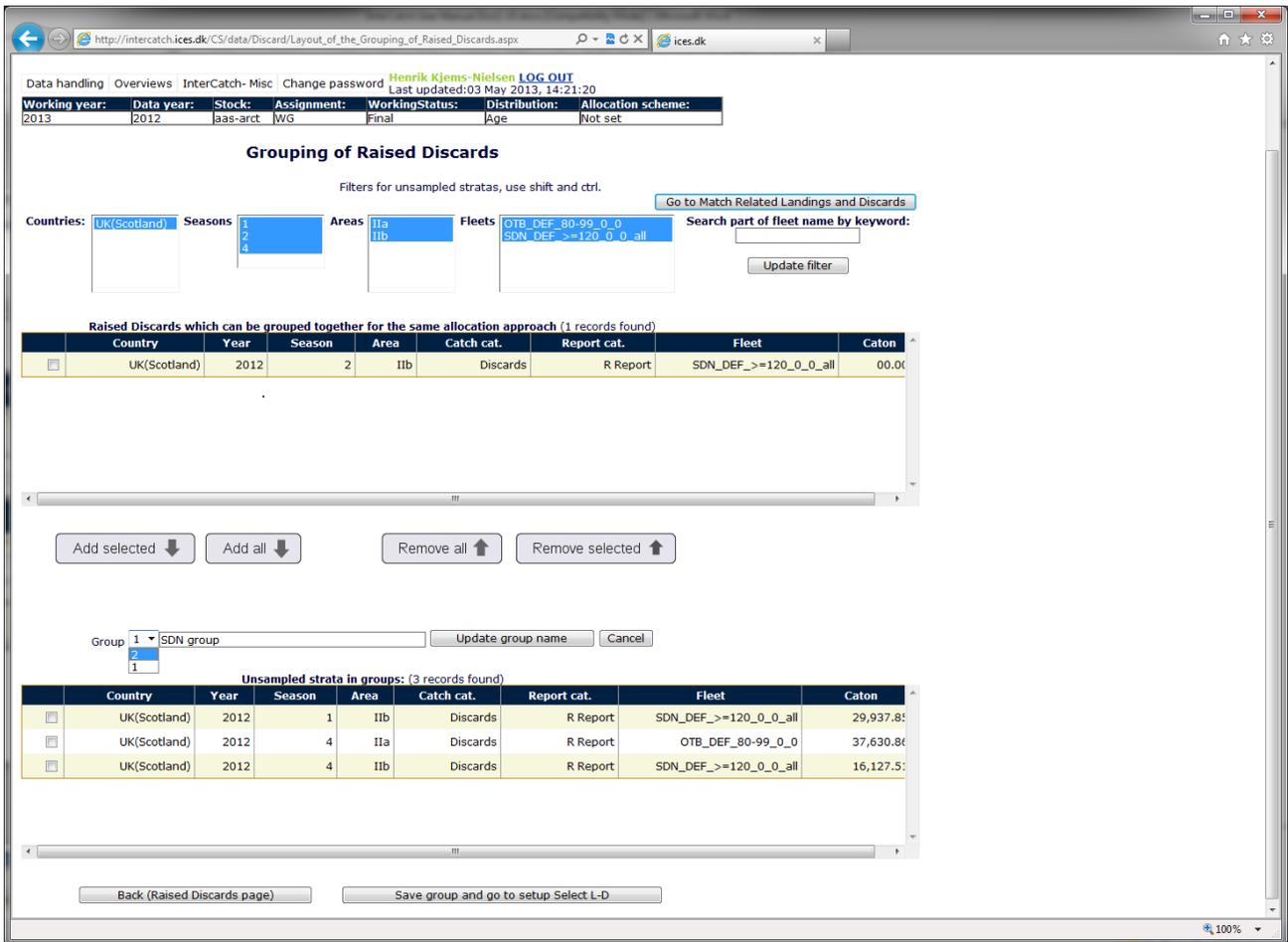
When the ‘Save group and go to setup Select L-D’ button have been pressed, the user is redirected to the ‘Select Landings-Discards for Grouped Raised Discards’.

The user now select which landing-discards ratios to use for the calculation of the group.



When the user presses ‘Ok (Calculate and continue to Discard Groups page)’, the total weighted landing-discard ratio for all the selected ratios is calculated. Then this ratio is multiplied with the raised discard’s related landing weight, to calculate the raised discard weight. This is done for each of the raised discard strata in the group.

If the user prefer to set up all the groups before selecting landing-discard ratios for the group, the user presses the button ‘Cancel and return to Discard group page’.



New Group name

When the 'Ok (Calculate and continue to Discard Groups page)' button is pressed the user is returned to the Grouping of Raised Discards page. To setup a new group the user should click in the small group number drop-down box, then select the next number, which will be the group number for the new group to setup, please see the blue marked '2' in the page above.

The screenshot shows the InterCatch web application interface. At the top, there is a navigation menu with links for Contact, Sitemap, FAQ, Glossary, GroupNet Login, and Admin. Below this, there is a search bar and a user profile for Henrik Kjems-Nielsen with a 'LOG OUT' link. A metadata table is displayed, showing details like Working year (2013), Data year (2012), Stock (aas-arct), Assignment (WG), WorkingStatus (Final), Distribution (Age), and Allocation scheme (Not set).

The main section is titled 'Raised Discards' and contains a table with the following data:

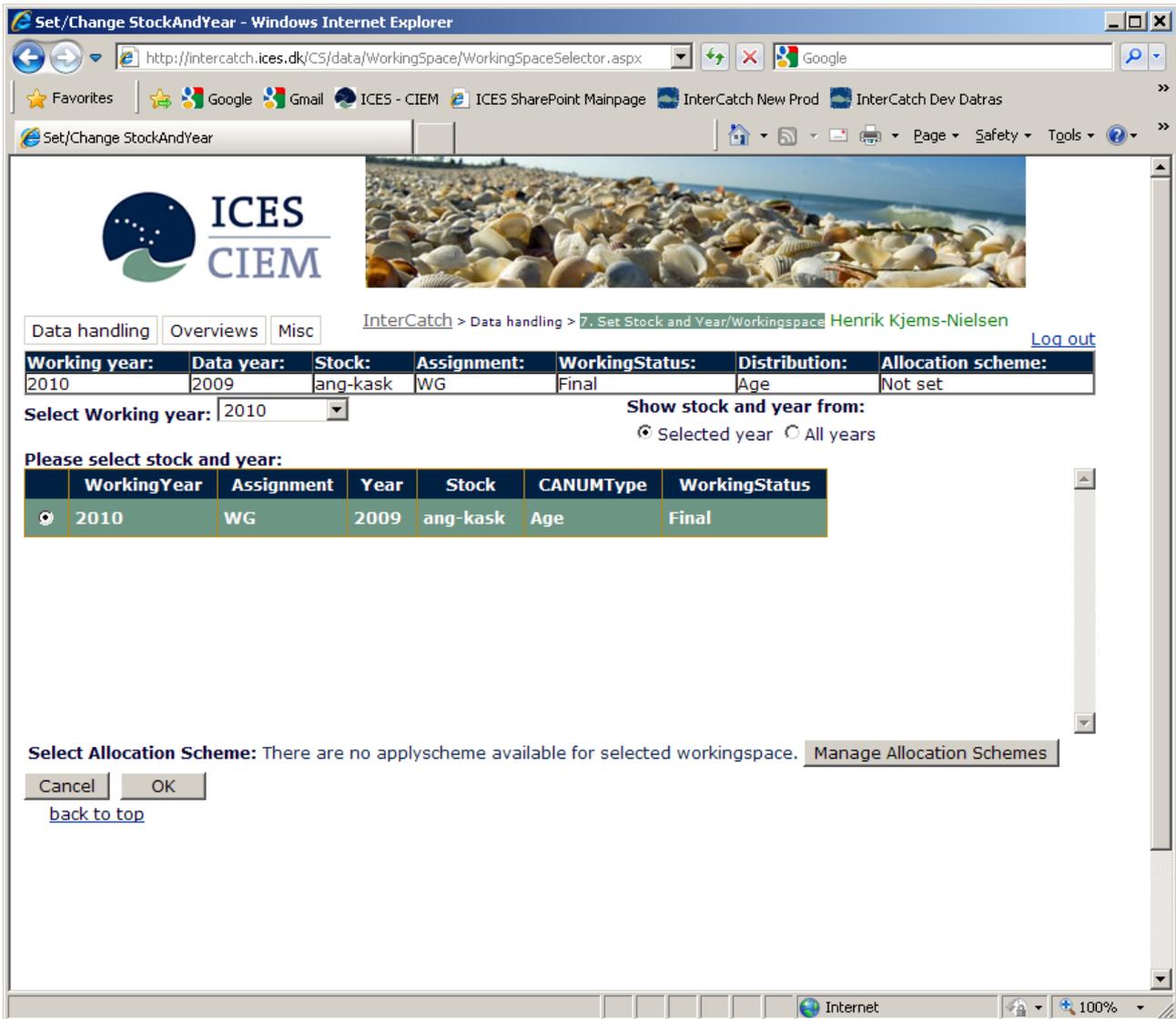
L-D setups	No. L-D setups	Group number	Group name	Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Weighting Parameter	Landing Catch kg.	Discard Catch kg.	
<a href="#">View</a>	Edit	0	1	SDN group	UK (Scotland)	2012	1	IIB	Discards	R Report	SDN_DEF_>=120_0_0_all	Landing CATON	323,000	29,938
	Edit	0			UK (Scotland)	2012	2	IIB	Discards	R Report	SDN_DEF_>=120_0_0_all		91,000	0
<a href="#">View</a>	Edit	0	1	SDN group	UK (Scotland)	2012	4	Iia	Discards	R Report	OTB_DEF_80-99_0_0	Landing CATON	406,000	37,631
<a href="#">View</a>	Edit	0	1	SDN group	UK (Scotland)	2012	4	IIB	Discards	R Report	SDN_DEF_>=120_0_0_all	Landing CATON	174,000	16,128

At the bottom of the page, there is contact information for the International Council for the Exploration of the Sea (ICES) and a disclaimer.

When returning to the Raised Discards overview page. The user can see InterCatch have calculated a discard weight for the grouped raised discard strata, the group number and name is shown and number of landing-discards setup for the ratio calculation is also shown. If the user want to see the actual landing-discards strata that is done by pressing the 'View' link to the most left

## 5.11 Manage Allocation Scheme

Manage Allocation schemes are done from the menu item: 7. Set Stock and Year/Workingspace



Before setting up any allocation rules, you have to start by setting up an Allocation scheme, therefore you must specify a name for your Allocation scheme. That is done from '7. Set Stock and Year/Workingspace'. Press the button 'Manage Allocation Schemes'

When entering the menu '7. Set Stock and Year/Workingspace' for the first time there will not be a box with Allocation schemes after the 'Select Allocation Scheme'. To create a new Allocation scheme click 'Manage Allocation Schemes'.

The stock coordinator can set up several different alternative allocation schemes, they will appear in the 'Select Allocation Scheme' dropdown box

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Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2010	2009	ang-kask	WG	Final	Age	Not set

### Manage Allocation-Schemes For 2010-WG: ang-kask 2009 Age

Select scheme to copy or rename:

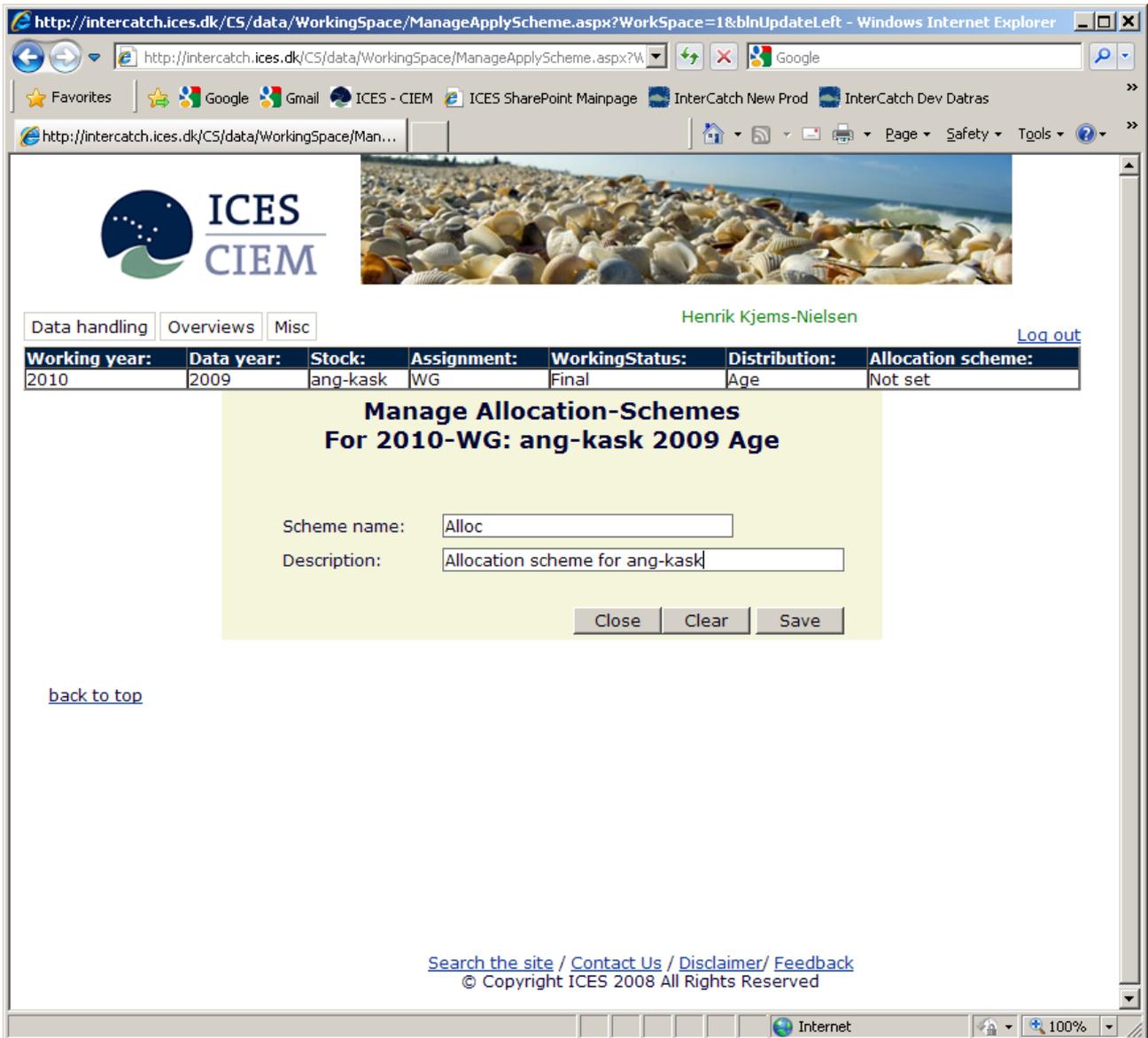
[back to top](#)

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After pressing 'Manage Allocation Schemes' in the previous screen, the screen above appears. From this screen the user can do three things:

1. **Rename** an already existing allocation scheme
  - **Select** an allocation scheme from the **dropdown box**
  - Give the allocation scheme a new name
2. **Copy** an already existing allocation scheme
  - **Select** an allocation scheme from the **dropdown box**
  - Give the new allocation scheme copy a name
3. Create a **new** allocation scheme
  - Press the **button 'New'**

When the user presses the 'New' button, the following screen appears.

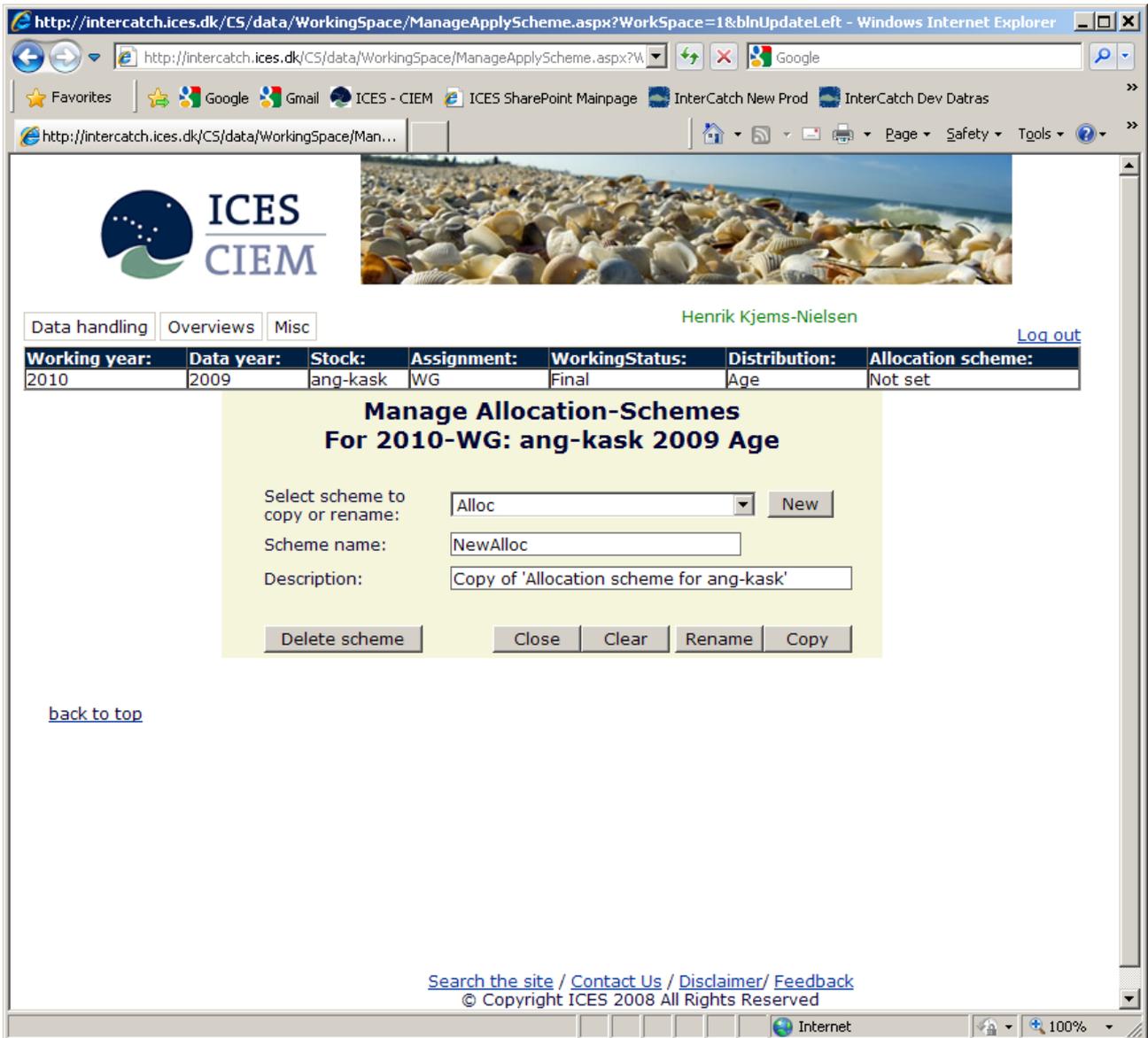


Fill in an allocation scheme name and description and press 'Save'

The options are:

- 'Close' which cancel and close the screen
- 'Clear' which clears the written text
- 'Save' which saves the new allocation scheme

After saving your new Allocation scheme, a popup verify that your new Allocation scheme was save. Look at your Stock and Year bar at the top and verify that the Allocation scheme is the just created allocation scheme name. If not then go to '7. Set Stock and Year/Workingspace' and select the allocation scheme you want in the dropdown box at the bottom of the site.



If you want to use an existing allocation scheme as a starting point for a new allocation scheme, you can copy an existing allocation scheme by going to '7. Set Stock and Year/Workingspace' and press 'Manage Allocation Schemes'. In the dropdown box you can select the Allocation scheme you want to copy from. Then two new fields appear. Type the name and description of the new Allocation scheme to which you want to copy the existing allocations, see the screen above. Finally press 'Copy'.

Allocation schemes can be copied to and from both 'Final' and 'Trial'. You can also copy across, meaning you can copy an allocation scheme created under Stock and Year 'Final' and copy it to Stock and Year 'Trial'.

If you want to rename an allocation scheme then press 'Rename'. If you want to delete an allocation scheme then press 'Delete scheme'.

## 5.12 Setup or Check Allocation Scheme

Menu item: 10. Setup or Check Allocation Scheme

The next step is to set up allocations of sampled catches to unsampled catches or popular speaking the 'Hole fill-in'.

### First select allocation scheme for which you setup allocations

Before entering the '10. Setup or Check Allocation Scheme' you must select the allocation scheme for which you want to setup allocations/do the hole fill-in. See the top Stock and Year bar's last field Allocation scheme. If you have 'Not set' your allocation scheme, you are automatically redirected to the '7. Set Stock and Year/Workingspace', where you can select the allocation scheme in the dropdown box at the bottom of the screen. See screen below.

If no dropdown box is shown create a new allocation scheme by pressing 'Manage Allocation Scheme'

InterCatch > Data handling > 7. Set Stock and Year/Workingspace Henrik Kjems-Nielsen [Log out](#)

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2010	2009	ang-kask	WG	Final	Age	Not set

You need to select a StockAndYear before setting up allocations. REMEMBER TO ALSO SELECT AN 'ALLOCATION SCHEME' BELOW THE TABLE.

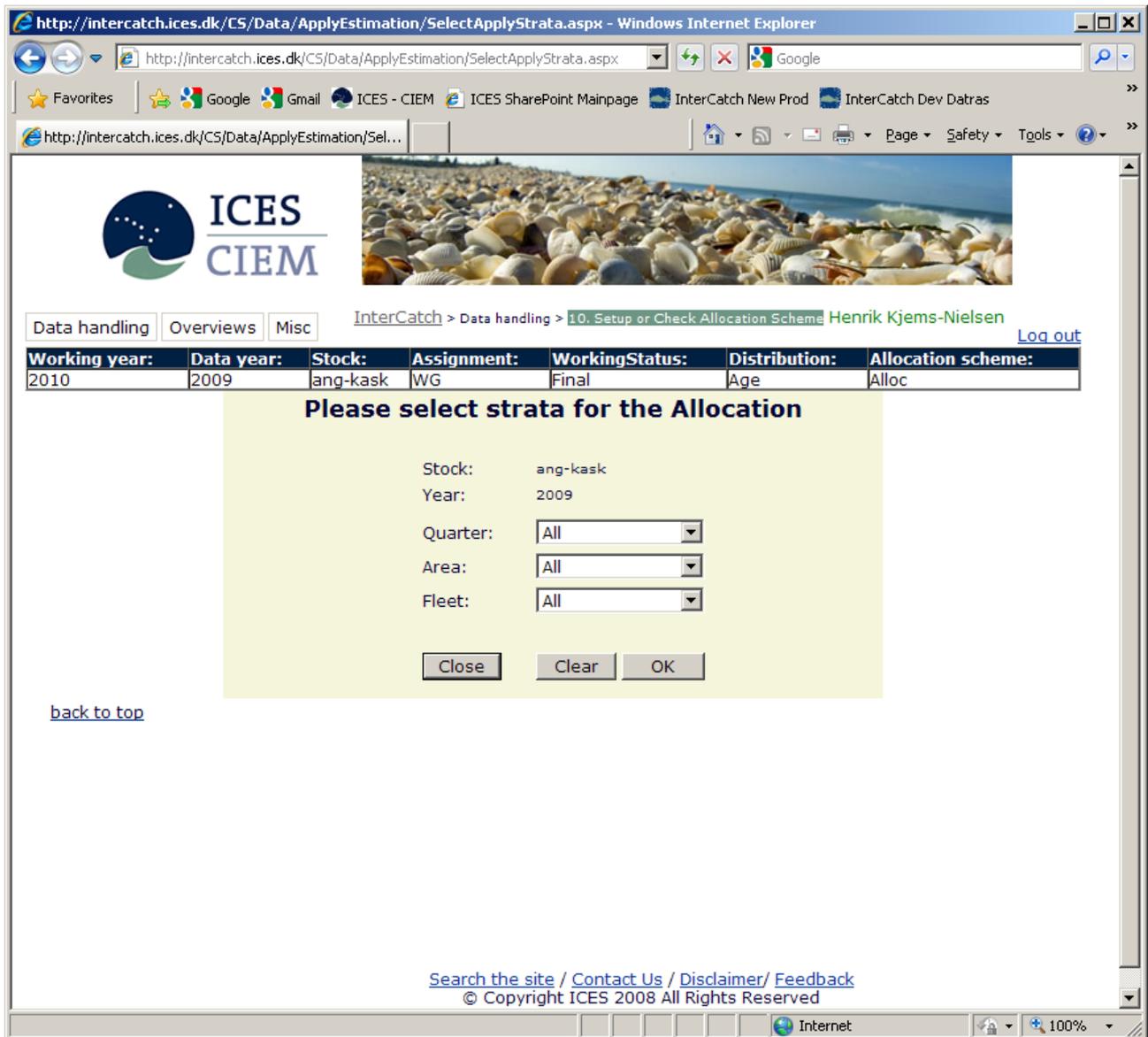
Select Working year: 2010 Show stock and year from:  Selected year  All years

Please select stock and year:

WorkingYear	Assignment	Year	Stock	CANUMType	WorkingStatus
<input checked="" type="radio"/> 2010	WG	2009	ang-kask	Age	Final

Select Allocation Scheme:  Manage Allocation Schemes

[back to top](#)



After selecting an allocation scheme you will see the screen above when entering the ‘10. Setup or Check Allocation Schemes’.

This screen is just a filter. Here you select which part of all the unsampled catches you want to see and set up allocations for in the next screen. For stocks with many unsampled catches these filter should be used to reduce the time it takes to show the next page with unsampled catches, the more catches, which have allocations the longer time it will take to show the page, therefore use the filter for large stocks. The filter have no effect on the very first time the user enter the allocation page and click ‘Yes’ to let InterCatch find all the unsampled catches.

Leave the default ‘All’ in all the dropdown lists and click ‘OK’ to see all the unsampled catches, except for large stocks where all the allocations almost have been set up.

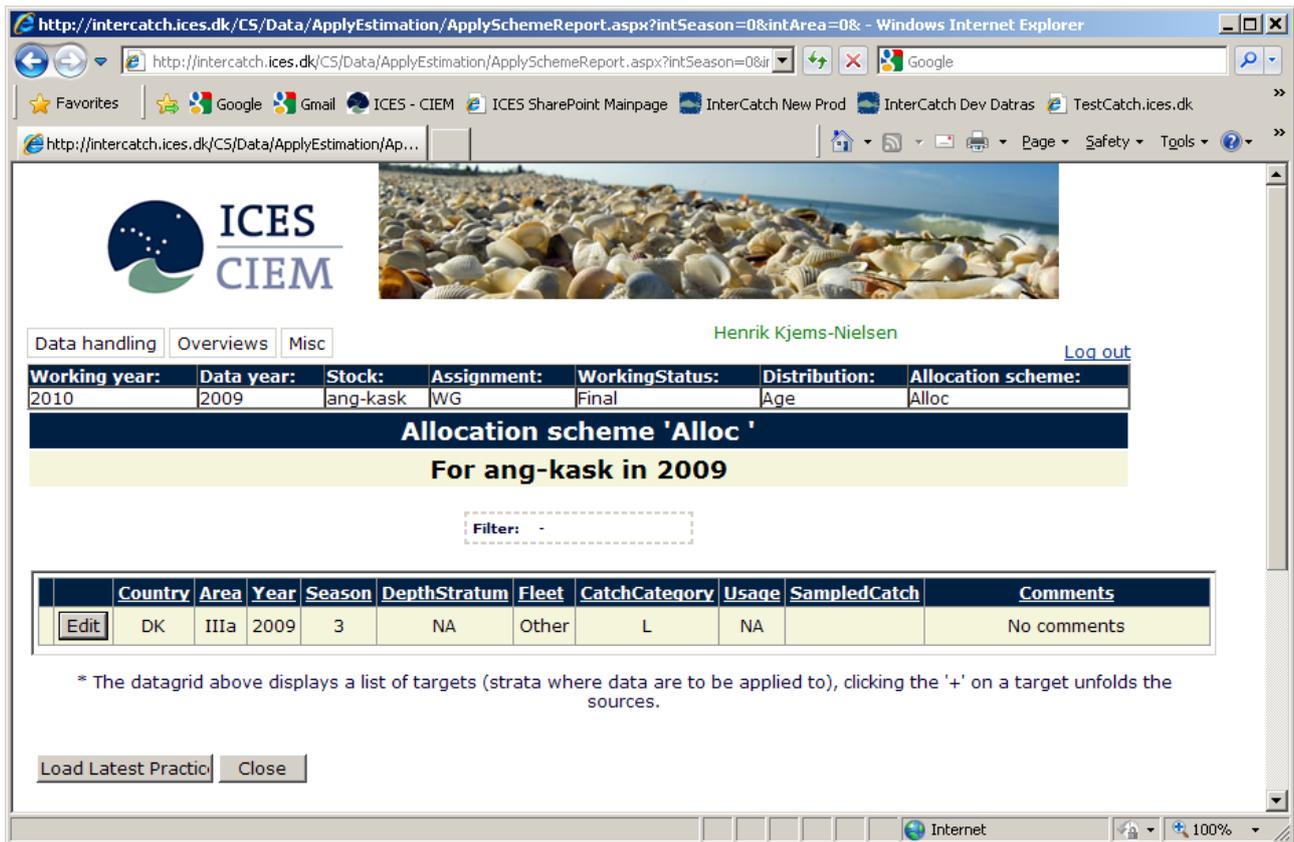
If using the filter **make sure all unsampled catches have allocations**, before **calculating the age or length distributions from the allocations**.



This is the screen shown only the very first time the ‘10. Setup or Check Allocation Schemes’ is entered with a new allocation scheme.

The screen is empty because no set up of allocations and unsampled catches has been made yet.

Press ‘Yes’ to let InterCatch identify unsampled catches.



The screen above shows one line for each of the unsampled catches, to which sampled catches need to be allocated. In the example above there is only one unsampled catch, to which sampled catches need to be allocated. The page has been updated with two buttons please see next page.

Click 'Edit' for the unsampled catch you want to set up allocation for.

The set up of allocations for each of the unsampled catches are stored under the allocation scheme name selected.

If the stock coordinator wants to investigate which effect different set ups of allocations have. Several allocation schemes can be set up for the same 'Final' dataset or same 'Trial' dataset. All the allocations under one allocation scheme could be set up, so the different parameters such as; country, quarter, area, fleet, catch category (Catch, Landing or Discard) have one order of priority and one preferred weighting. E.g. first catch category, then quarter, area, country, and finally fleet. And if several sampled catches have been allocated to one unsampled catch, then the sampled catches are equally weighted-

Another alternative allocation scheme with another priority order and weighting could be set up to compare the two different orders of priorities and weighting. Under this allocation scheme all the individual allocations could be set up using e.g. the following order of priorities first catch category, fleet, quarter, area and finally country.

The 'Load Latest Practice' button has been replaced by a much more advanced functionality.



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EXPLORE US NEWS AND EVENTS MARINE DATA PUBLICATIONS

Data handling Overviews InterCatch- Misc Change password **Henrik Kjems-Nielsen LOG OUT**  
Last updated: 14 May 2013, 10:58:42

<b>Working year:</b>	<b>Data year:</b>	<b>Stock:</b>	<b>Assignment:</b>	<b>WorkingStatus:</b>	<b>Distribution:</b>	<b>Allocation scheme:</b>
2013	2012	aas-arct	WG	Final	Age	WKIC2_1

**Allocation scheme 'WKIC2\_1'**

**For aas-arct in 2012**

Auto allocations Filter: - Go to Group setup

	No Alloc	Weight Algorithm	Country	Area	Year	Season	Metier/Fleet	CatchCategory	Report cat.	CATON in kg	Comments	Us	
+	Edit	5	CATON	UKS	IIa	2012	1	SDN_DEF_>=120_0_0_all	Landings	R - Rep	50000		Hur
+	Edit	5	CATON	UKS	IIa	2012	3	SDN_DEF_>=120_0_0_all	Landings	R - Rep	30000		Hur
+	Edit	4	Mean W	UKS	IIa	2012	4	OTB_DEF_80-99_0_0	Discards	R - Rep	0		Hur
+	Edit	4	Mean W	UKS	IIb	2012	1	SDN_DEF_>=120_0_0_all	Discards	R - Rep	29937		Hur
+	Edit	4	Mean W	UKS	IIb	2012	2	SDN_DEF_>=120_0_0_all	Discards	R - Rep	8434		Hur
+	Edit	4	Mean W	UKS	IIb	2012	4	SDN_DEF_>=120_0_0_all	Discards	R - Rep	16127		Hur

The table above shows all the unsampled catches/stratas for which allocations have to set up. When allocations have been set up for an unsampled stratum a '+' is shown in the first column. When clicking the '+' the allocated stratas are shown.

**Before you press any 'Edit' buttons, you can copy the way allocations was done last year (remember if e.g. the Fleet or Reporting Category is different, InterCatch cannot find the strata automatically). You can then edit the allocations afterwards where needed, remember to check all allocations, or discard the allocations and just create a new (blank) allocation scheme.**

Copy last year's allocations Close

The page above have been updated with two buttons please see 'Auto allocations' and 'Go to Group setup'. The reason for not substituting the screen shoot on the previous page is to keep the continuity of the example. To continue the example skip the next page with the automatic allocations.

If button 'Auto allocations' press is pressed, the user can setup unsampled catches with similar sampled strata just from other countries. With similar strata means same species, area, quarter, metier, catch category, reporting category. The minimum accepted numbers of automatically found similar strata have to be specified. Please see next page, this should not be used unless you know how to set up the allocations manually or know what you are doing.

If button 'Go to Group setup' press is pressed, the user can setup up groups of unsampled strata for which the same allocated sampled strata should be used as a basis for calculating the age or length distribution, please see the section on 'Allocation group setup'.



Data handling	Overviews	InterCatch- Misc	Change password	<a href="#">Henrik Kjems-Nielsen</a> <a href="#">LOG OUT</a> Last updated: 02 April 2014, 11:15:24		
Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2014	2013	laas-arct	WG	Final	Age	Auto alloc

### Automatic allocations of same strata

The automatic allocation finds samples, which are the 'same'/have the same parameters as the unsampled catch, except for country. So the automatic allocation goes across countries (does not search for same country) and finds samples, which have the same catch category (landings/discards), season, area, metier, reporting category (reported/not reported/all and DataToFrom area (used for misreported areas)).

Minimum numbers of found 'same' strata, for accepting the use of the found allocations:   no strata will be allocated for this selection!

Weighting algorithm/parameter for all allocations:

Please specify the minimum accepted numbers of automatically found similar strata which can be used to set up the allocation for any of the unsampled strata. Please specify the weighting algorithm/parameter used for all allocations.

Press the 'Automatic Allocations' button to let InterCatch set up allocations for similar strata.

The screenshot shows the 'ApplyRuleSetEditor' page in Internet Explorer. At the top, there's a navigation bar with 'Data handling', 'Overviews', and 'Misc' tabs. Below this, a summary table shows parameters for the current target: Working year: 2010, Data year: 2009, Stock: ang-kask, Assignment: WG, WorkingStatus: Final, Distribution: Age, Allocation scheme: Alloc. The user 'Henrik Kjems-Nielsen' is logged in, with a 'Log out' link.

The main section is titled 'Select Allocation-Sources' and is divided into two parts:

- For:** A table showing the current target's parameters:
 

Country	Year	Season	Area	Fleet	Fleet type	Catch category	Report category	CATON	Usage	Quality	Depth R.
DK	2009	3 qua.	IIIa	Other	Unspec	Landings	All -	500000	NA	NA	NA
- Available strata:** A table listing potential sources for allocation:
 

	Country	Year	Season	Area	Fleet	Fleet type	Catch category	Report category	CATON in kg	Sampled catch in T kg %	No. Age read	No. Length meas.	No. samples Age	No. samples Length
<input type="checkbox"/>	DK	2009	1 qua.	IIIa	Bottom trawl	HumanC	Landings	All -	1496	1483423	846	7852	25	25
<input type="checkbox"/>	DK	2009	2 qua.	IIIa	Bottom trawl	HumanC	Landings	All -	1170					
<input type="checkbox"/>	DK	2009	4 qua.	IIIa	Other	Unspec	Landings	All -	906					

Below the 'Available strata' table are 'Add' and 'Remove' buttons. The 'Selected strata' section is currently empty, displaying the message 'No selected sources for the current target'. At the bottom, there is a 'Comments' text area, a 'Weighting algorithm' dropdown menu (set to 'CATON'), and 'Cancel' and 'OK' buttons.

After clicking 'Edit' for a specific unsampled catch on the previous page, the following screen appears.

On the very top you see the properties or parameters for the unsampled catch you selected, under the header 'For'.

In the 'Available strata' list you see all the catches which have sample data (also referred to as having an age or length distribution). A selection of the 'Available strata' can be used in the 'Selected strata'. In the 'Selected strata'/allocation list you see all the catches/strata which you have added/selected to be allocated for the unsampled catch at the top.

The first time you enter this page the 'Selected strata' is empty, because you have not selected any sampled catches/strata yet.

The screenshot shows the 'ApplyRuleSetEditor' page in the InterCatch web application. The browser address bar indicates the URL: <http://intercatch.ices.dk/CS/Data/ApplyEstimation/ApplyRuleSetEditor.aspx?intTargetId=16774&int>. The page features the ICES CIEM logo and a navigation menu with options like 'Data handling', 'Overviews', and 'Misc'. A user profile for 'Henrik Kjems-Nielsen' is visible, along with a 'Log out' link.

Key data tables include:

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2010	2009	ang-kask	WG	Final	Age	Alloc

The 'Select Allocation-Sources' section shows a table for the current selection:

Country	Year	Season	Area	Fleet	Fleet type	Catch category	Report category	CATON	Usage	Quality	Depth R.
DK	2009	3 qua.	IIIa	Other	Unspec	Landings	All -	500000	NA	NA	NA

Below this, a 'Filter' button is used to refine the 'Available strata' table. The filter options are:

- Only Area IIIa
- Only DK
- Only 3 qua.. Quarter
- Only Landings
- Only Other

The 'Available strata' table lists potential sources:

Country	Year	Season	Area	Fleet	Fleet type	Catch category	Report category	CATON in kg	Sampled catch in T kg %	No. Age read	No. Length meas.	No. samples Age	No. sample Length
<input type="checkbox"/>	DK	2009	1 qua.	IIIa	Bottom trawl	HumanC	Landings	1496	1483423	846	7852	25	25
<input type="checkbox"/>	DK	2009	2 qua.	IIIa	Bottom trawl	HumanC	Landings	1170					
<input type="checkbox"/>	DK	2009	4 qua.	IIIa	Other	Unspec	Landings	906					

The 'Selected strata' section is currently empty, displaying the message: 'No selected sources for the current target'. Below this, there is a 'Comments' field with the text 'No comments' and a 'Weighting algorithm' dropdown menu set to 'CATON'. 'Add' and 'Remove' buttons are positioned above the selected strata area.

### Filtering 'Available strata'

It is possible to limit the available sampled catches if you think the available sampled catches list is too long. You can click the button 'Filter' to the right above the 'Available strata' list.

The button expand the possible parameters to filter on.

Every time a check is set or removed in the filter check boxes the available strata are updated in screen.

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Henrik Kjems-Nielsen [Log out](#)

Data handling | **Overviews** | Misc

<b>Working year:</b>	<b>Data year:</b>	<b>Stock:</b>	<b>Assignment:</b>	<b>WorkingStatus:</b>	<b>Distribution:</b>	<b>Allocation scheme:</b>
2010	2009	ang-kask	WG	Final	Age	Alloc

### Select Allocation-Sources

**For**

Country	Year	Season	Area	Fleet	Fleet type	Catch category	Report category	CATON	Usage	Quality	Depth R.
DK	2009	3 qua.	IIIa	Other	Unspec	Landings	All -	500000	NA	NA	NA

Filter

Only Area IIIa
  Only DK
  Only 3 qua.. Quarter
  Only Landings
  Only Other

### Available strata

	Country	Year	Season	Area	Fleet	Fleet type	Catch category	Report category	CATON in kg	Sampled catch in T kg %	No. Age read	No. Length meas.	No. samples Age	No. sample Length
<input checked="" type="checkbox"/>	DK	2009	1 qua.	IIIa	Bottom trawl	HumanC	Landings	All -	1496	1483423	846	7852	25	25
<input checked="" type="checkbox"/>	DK	2009	2 qua.	IIIa	Bottom trawl	HumanC	Landings	All -	1170					
<input type="checkbox"/>	DK	2009	4 qua.	IIIa	Other	Unspec	Landings	All -	906					

Add Remove

### Selected strata

No selected sources for the current target

Comments:

Weighting algorithm:

Cancel OK

Select sampled catches from the 'Available strata' to be allocated to the unsampled catch at the top by ticking the check box at the very left. Then you click 'Add'. The selected catch is moved to the 'Selected strata' list.

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Data handling | **Overviews** | Misc

Working year: 2010 | Data year: 2009 | Stock: ang-kask | Assignment: WG | WorkingStatus: Final | Distribution: Age | Allocation scheme: Alloc

### Select Allocation-Sources

**For**

Country	Year	Season	Area	Fleet	Fleet type	Catch category	Report category	CATON	Usage	Quality	Depth R.
DK	2009	3 qua.	IIIa	Other	Unspec	Landings	All -	500000	NA	NA	NA

Filter

**Available strata**

Country	Year	Season	Area	Fleet	Fleet type	Catch category	Report category	CATON in kg	Sampled catch in T kg %	No. Age read	No. Length meas.	No. samples Age	No. samples Length
<input type="checkbox"/>	DK	2009	4 qua.	IIIa	Other	Unspec	Landings	All -	906				

Area:  Only Area IIIa | Country:  Only DK | Season:  Only 3 qua., Quarter | Catch Category:  Only Landings | Fleet:  Only Other

Add | Remove

### Selected strata

Country	Year	Season	Area	Fleet	Fleet type	Catch category	Report category	WeightingFactor	CATON in kg	Sampled catch in T kg %	No. Age read	No. Length meas.	
<input type="checkbox"/>	DK	2009	1 qua.	IIIa	Bottom trawl	HumanC	Landings	All -	1496	1496	1483423	846	7852
<input type="checkbox"/>	DK	2009	2 qua.	IIIa	Bottom trawl	HumanC	Landings	All -	1170	1170			

Comments: No comments | Weighting algorithm: CATON

Cancel | OK

Now the two marked sampled strata from 'Available strata' (see previous screen) are now under 'Selected strata' which are the allocated stratas to the unsampled catch at the top 'For'.

To remove sampled catch from the 'Selected strata' mark them in the lower list and press 'Remove'. You can set more than one check mark both when adding and removing sampled catches as in the example above.

http://intercatch.ices.dk/CS/Data/ApplyEstimation/ApplyRuleSetEditor.aspx?intTargetId=25204&int5 ices.dk

Convert Select

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2011	2010	aas-arct	WG	final	Age	mixfish demo2

**Select Allocation-Sources**

For unsampled stratum

Country	Year	Season	Area	Fleet	Fleet type	Catch category	Report category	CATON	Misrep. to Area	Auto Misrep. from Areas	Usage	Quality	Depth R.
UKS	2010	4 qua.	IIa	OTB_CRU_70-99_0_0_24<40	HumanC	Landings	All -	30000000			H	NA	NA

Available sampled strata

	Country	Year	Season	Area	Fleet	Fleet type	Catch category	Report category	CATON in kg	Sampled catch in T kg %	No. Age read	No. Length meas.	No. samples Age	No. samples Length	Usage	Quality
<input type="checkbox"/>	UKS	2010	1 qua.	IIa	OTB_CRU_70-99_0_0_24<40	HumanC	Landings	All -	25,000,000.000	0	25	50	10	10	H	NA
<input type="checkbox"/>	UKS	2010	1 qua.	IIa	OTB_CRU_70-99_0_0_24<40	HumanC	Discards	All -	4,440,000.000	0	20	40	5	5	H	NA
<input type="checkbox"/>	UKS	2010	2 qua.	IIa	OTB_CRU_70-99_0_0_24<40	HumanC	Landings	All -	90,000,000.000	0	80	150	15	15	H	NA
<input type="checkbox"/>	UKS	2010	2 qua.	IIa	OTB_CRU_70-99_0_0_24<40	HumanC	Discards	All -	38,600,000.000	0	100	400	30	30	H	NA

Selected/allocated strata

Add selected ↓ Add all ↓ Remove all ↑ Remove selected ↑

	Country	Year	Season	Area	Fleet	Fleet type	Catch category	Report category	WeightingFactor	CATON in kg	Sampled catch in T kg %	No. Age read	No. Length meas.	No. samples Age	No. samples Length
<input type="checkbox"/>	DK	2010	2 qua.	IIB	OTB_CRU_90-119_0_0_all	HumanC	Landings	All -	124,362,000.000	124,362,000.000	0	100	400	200	200
<input type="checkbox"/>	DK	2010	3 qua.	IIa	OTB_CRU_90-119_0_0_all	HumanC	Landings	All -	51,749,000.000	51,749,000.000	0	50	100	10	10
<input type="checkbox"/>	UKS	2010	3 qua.	IIa	OTB_CRU_70-99_0_0_24<40	HumanC	Landings	All -	43,000,000.000	43,000,000.000	0	50	100	10	10

Comments: No comments

Weighting Factor (at stratum level) by:

- CATON
- CATON
- Manual
- Mean Weight weighted by Numbers at Age or Length
- No Age Read
- No Length Meas
- No Samples for Age
- No Samples for Length
- Sampled Catch

Cancel OK

back to top

When more than one stratum has been selected, the strata will have to be weighted. The following weightings can be selected:

- CATON - total catch weight
- Manual – weightings entered by user
- Mean weight weighted by numbers at age or length
- ‘No age Read’ – numbers of age readings
- ‘No Length Meas’ – numbers of length measured
- ‘No Samples for Age’ - total numbers of sample events for age readings
- ‘No Samples for Length’ – total numbers of sample events for length measured
- ‘Sampled Catch’ - Weight of total catch for a metier which is sampled or a percentage representing a random sampling

Except for ‘Mean weight weighted by numbers at age or length‘ all other weightings are using a generic weighting algorithm, then it is just a question of selecting the field, which the weighting factor should be equal to. For the manual weighting the weighting are entered directly by the user for each or several strata at the time.

**The generic weighting algorithm**

The generic weighting algorithm is weighting the numbers at age (or length) and mean weight at age (or length) by the same weighting factor.

Calculations of numbers at age or length, CANUM, for unsampled catches are done as the following:

$$Number_{a,s} = CatchWeight_{unsampled} * \sum_{i=1}^n \frac{Number_{a,s,i}}{CatchWeight_i} * \frac{WeightingFactor_i}{\sum_{j=1}^n WeightingFactor_j} \quad , \quad (1)$$

$$a = [age_{first} .. age_{last}] \vee a = [length_{first} .. length_{last}] \quad ,$$

$$s = (female, male, unspecified) \quad , \quad n = \text{number of allocated sampled catches}$$

Calculations of mean weight (and mean length) at age (or length) for unsampled catches are done as the following:

$$MeanWeight_{a,s} = \sum_{i=1}^n MeanWeight_{a,s,i} * \frac{WeightingFactor_i}{\sum_{j=1}^n WeightingFactor_{a,s,j}} \quad , \quad (2)$$

$$a = [age_{first} .. age_{last}] \vee a = [length_{first} .. length_{last}] \quad ,$$

$$s = (female, male, unspecified) \quad , \quad n = \text{number of allocated sampled catches}$$

**‘Mean weight weighted by numbers at age or length’-algorithm**

The weighting algorithm for ‘Mean weight weighted by numbers at age or length’ is calculating the numbers at age by a very direct way with no weighting (which is exactly the same as using the generic weighting algorithm with CATON weighting). But when calculating the mean weight at age (or length) for the unsampled catch, the allocated mean weights are weighted by their numbers at age. The very direct calculations of the numbers at age (or length) are as follows:

$$Number_{a,s} = CatchWeight_{unsampled} * \frac{\sum_{i=1}^n Number_{a,s,i}}{\sum_{j=1}^n CatchWeight_j} \quad , \quad (3)$$

$$a = [age_{first} .. age_{last}] \vee a = [length_{first} .. length_{last}] \quad ,$$

$$s = (female, male, unspecified) \quad , \quad n = \text{number of allocated sampled catches}$$

The calculations of the numbers at age (or length) are calculated as follows:

$$MeanWeight_{a,s} = \sum_{i=1}^n MeanWeight_{a,s,i} * \frac{Number_{a,s,i}}{\sum_{j=1}^n Number_{a,s,j}} \quad , \quad (4)$$

$$a = [age_{first} .. age_{last}] \vee a = [length_{first} .. length_{last}] \quad ,$$

$s = (\text{female, male, unspecified})$  ,  $n = \text{number of allocated sampled catches}$

### CATON weighting

CATON weighting is an often used weighting and therefore this weighting is also the default. The CATON weighting is equal to the ‘Mean weight weighted by numbers at age or length’ for calculating the numbers at age. By inserting the symbolic expression in the generic weighting algorithm for **calculation of the numbers at age (or length) using CATON weighting, the result is exactly the same as for the ‘Mean weight weighted by numbers at age or length’**. By using No[sample number] for number, C[sample number] for catch weight, and then use ‘CATON’-weighting, which mean using the catch weights as weighting factors WF[sample number], the following result is given:

$$\begin{aligned}
 \text{Number} &= \text{CatchWeight}_{\text{Unsampled}} * \left( \frac{\text{No1}}{\text{C1}} * \frac{\text{WF1}}{\text{WF1} + \text{WF2} + \dots} + \frac{\text{No2}}{\text{C2}} * \frac{\text{WF2}}{\text{WF1} + \text{WF2} + \dots} + \dots \right) \\
 &= \text{CatchWeight}_{\text{Unsampled}} * \left( \frac{\text{No1}}{\text{C1}} * \frac{\text{C1}}{\text{C1} + \text{C2} + \dots} + \frac{\text{No2}}{\text{C2}} * \frac{\text{C2}}{\text{C1} + \text{C2} + \dots} + \dots \right) \\
 &= \text{CatchWeight}_{\text{Unsampled}} * \left( \frac{\text{No1}}{\text{C1} + \text{C2} + \dots} + \frac{\text{No2}}{\text{C1} + \text{C2} + \dots} + \dots \right) \\
 &= \text{CatchWeight}_{\text{Unsampled}} * \frac{\text{No1} + \text{No2} + \dots}{\text{C1} + \text{C2} + \dots} \\
 &= \text{CatchWeight}_{\text{Unsampled}} * \frac{\sum_{i=1}^n \text{Number}_i}{\sum_{j=1}^n \text{CatchWeight}_j}
 \end{aligned}$$

Here it can be seen that the number at age (or length) is calculated in the same way for both weighting by CATON and weighting by ‘Mean weight weighted by numbers at age or length’.

### Mean weight weighted by numbers at age or length

For ‘Mean weight weighted by numbers at age or length’ the numbers at age (or length) for the unsampled catch is calculated in exact same way as for weighting by CATON. But the mean weight at age or length for the unsampled catch will be calculated based on the allocated mean weights – of cause, but the weighting is based on the allocated numbers at age (or length). This will from mathematical point create a sum of products (SOP) error, since the numbers at age (or length) and the mean weight at age (or length) not are weighted by the same factor. But in the case where ***the numbers at age for the allocated sampled catches, do not have a smooth curve, but there are large fluctuations of the numbers at the ages***. In such cases it could be more correct chose weighting by ‘Mean weight weighted by numbers at age or length’.

### Manual (equal weighting)

If several sampled catches are weighted equally the ‘Manual’ weighting must be selected, the default weighting factors for each sampled catch/strata is set to

1, which means the sampled catch/strata are weighted equally disregarding the catch weight, CATON, and Numbers at age, CANUM. The Numbers at age is simply a mean of the rate between each sampled Numbers at age/Catch weight.

**Weighting using sampled data**

Another common way to do weighting is to base the weighting on Numbers of age readings or other sample information.

**Manual weighting in special cases**

In other more special cases it is wanted to weight sampled data using CATON values from catches with have not been sampled. This is not a standard weighting procedure but can easily be performed. See the following simplified example were the following data are imported for a specific area and quarter:

Countries with sample data	Countries with No sample data
CountryA_SD	CountryB_No
CountryC_SD	CountryD_No
	CountryE_No

In this case to do hole fill-in for CountryE\_No and calculate CANUM, WECA and length at age the following two only catches with samples are allocated:

Allocations for CountryE\_No

- o CountryA\_SD
- o CountryC\_SD

But these two sampled catches must by weighted. CountryB\_No’s fisheries are similar to CountryA\_SD and CountryD\_No’s fisheries are similar to CountryC\_SD. And to use that information a weighting factor for each of the two allocated sampled catches are calculated by summing the related catches CATON:

	Weighting Factor, WF, based on related fisheries using CATON
CountryA_SD	$WFA = CATON\_CountryA + CATON\_CountryB$
CountryC_SD	$WFC = CATON\_CountryC + CATON\_CountryD$

These weighting factors can by applied to the two allocated catches using the ‘Manual’ weighing. The summations have to be done outside InterCatch but in this case it is important to write and explanation in the ‘Comments’ field in the lower left screen.

The screenshot displays the 'ApplyRuleSetEditor' interface. At the top, there's a navigation bar with 'Data handling', 'Overviews', and 'Misc'. Below this, a summary table shows 'Working year: 2010', 'Data year: 2009', 'Stock: ang-kask', 'Assignment: WG', 'WorkingStatus: Final', 'Distribution: Age', and 'Allocation scheme: Alloc'. The main section is titled 'Select Allocation-Sources' and includes a 'For' table with columns: Country, Year, Season, Area, Fleet, Fleet type, Catch category, Report category, CATON, Usage, Quality, and Depth R. Below this is a 'Filter' section with checkboxes for 'Only Area IIIa', 'Only DK', 'Only 3 qua.. Quarter', 'Only Landings', and 'Only Other'. The 'Available strata' table has columns: Country, Year, Season, Area, Fleet, Fleet type, Catch category, Report category, CATON in kg, Sampled catch in T kg %, No. Age read, No. Length meas., No. samples Age, and No. samples Length. The 'Selected strata' table has columns: Country, Year, Season, Area, Fleet, Fleet type, Catch category, Report category, WeightingFactor, CATON in kg, Sampled catch in T kg %, No. Age read, and No. Length meas. At the bottom, there's a 'Comments' text area, a 'Weighting algorithm' dropdown set to 'CATON', and 'Cancel' and 'OK' buttons.

The term 'Weighting algorithm' can be discussed because different weighting like 'CATON' and 'Manual' can be seen as different weighting algorithms. InterCatch uses one and the same generic weighting algorithm, what differs are the weighting factors.

When 'CATON' is selected as the 'Weighting algorithm' (see example above), the CATON weight values are copied to the column 'weighting factor' for each of the sampled catches seen the 'Selected strata'.

When the button 'OK' is pressed the allocations are saved.

For all other weighting algorithms than 'Manual' you must select the appropriate weighting in the 'Weighting algorithm' drop down list box. The chosen weighting factor is automatically updated with the values from the selected weighting algorithm/fields.

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Data handling | **Overviews** | Misc

<b>Working year:</b>	<b>Data year:</b>	<b>Stock:</b>	<b>Assignment:</b>	<b>WorkingStatus:</b>	<b>Distribution:</b>	<b>Allocation scheme:</b>
2010	2009	ang-kask	WG	Final	Age	Alloc

**Select Allocation-Sources**

**For**

Country	Year	Season	Area	Fleet	Fleet type	Catch category	Report category	CATON	Usage	Quality	Depth R.
DK	2009	3 qua.	IIIa	Other	Unspec	Landings	All -	500000	NA	NA	NA

Filter

Only Area IIIa
  Only DK
  Only 3 qua., Quarter
  Only Landings
  Only Other

**Available strata**

Country	Year	Season	Area	Fleet	Fleet type	Catch category	Report category	CATON in kg	Sampled catch in T kg %	No. Age read	No. Length meas.	No. samples Age	No. samples Length
<input type="checkbox"/>	DK	2009	4 qua.	IIIa	Other	Unspec	Landings	All -	906				

Add Remove

**Selected strata**

	Country	Year	Season	Area	Fleet	Fleet type	Catch category	Report category	WeightingFactor	CATON in kg	Sampled catch in T kg %	No. Age read	No. Length meas.
<input checked="" type="checkbox"/>	DK	2009	1 qua.	IIIa	Bottom trawl	HumanC	Landings	All -	1496	1496	1483423	846	7852
<input checked="" type="checkbox"/>	DK	2009	2 qua.	IIIa	Bottom trawl	HumanC	Landings	All -	1170	1170			

Comments: No comments

Weighting algorithm: Manual

Change weighting factor for "checked" selected strata.  Add

Cancel OK

If you want to weight each of the sampled catches equally independent of CATON or sample data, then 'Manual' weighting should be used. Select Weighting algorithm 'Manual', and check/mark all stratas and enter '1' in the 'Change weighting factor for 'checked' selected strata', and press 'Add'.

It is possible to change the weighting factor for a selection of the sampled catches. You can weigh one or several of the sampled catches to be weighted twice as much (for instance).

To do this, select the data categories (by checking them in the left hand column) for which you want to change the weighting factor, then 'Change weighting factor'. When you press 'Add' you can see the updated weighting factor in the right hand column (using the scroll bar).

When the weighting is set, you can click the 'OK' button and your set up of allocations for the unsampled catch is **saved** under your allocation scheme.

For all other weighting algorithms than 'Manual' the weighting is independent of any checks you might have set in the check boxes in the left hand column. The check boxes are only for manual weighting.



Data handling	Overviews	InterCatch- Misc	Change password	Henrik Kjems-Nielsen <a href="#">LOG OUT</a>		
Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2014	2013	aas-arct	WG	Final	Age	From last year

**Allocation scheme 'From last year'**

**For aas-arct in 2013**

Auto allocations

	View allocation sources	Number of Allocations	Weighting Algorithm	Group name	Country	Area	Year	Season	Metric/Fleet	Catch cat.	Report cat.	Catch kg.	Comments	Usage	Depth Stratum
<input type="button" value="Edit"/>	<input type="checkbox"/>	11	Mean W		UK (Scotland)	Iia	2013	1	SDN_DEF_>=120_0_0_all	Landings	R Report	500,000.000	No comments	H	NA
<input type="button" value="Edit"/>	<input type="checkbox"/>	11	Mean W		UK (Scotland)	Iia	2013	4	OTB_DEF_80-99_0_0	Discards	R Report	94,804.320	No comments	H	NA
<input type="button" value="Edit"/>	<input type="checkbox"/>	0	Mean W		Denmark	Iib	2013	2	Active	Discards	R Report	1,140.153	No comments	H	NA
<input type="button" value="Edit"/>	<input type="checkbox"/>	0	Mean W		Denmark	Iia	2013		C-Allgears	Discards	R Report	760.272	No comments	H	NA

The table above shows all the unsampled catches/stratas for which allocations have to set up. When allocations have been set up for an unsampled stratum a '+' is shown in the first column. When clicking the '+' the allocated stratas are shown.

You can at any time copy the way allocations was done in another year. If some allocations already are set up these allocations will not be overwritten. Previous allocations will only be copied to strata with no allocations. (remember if e.g. the Fleet or Reporting Category is different, InterCatch cannot find the strata automatically). You can then edit the allocations afterwards where needed, remember to check all allocations, or discard the allocations and just create a new (blank) allocation scheme.

Year from which you wish to copy allocation schemes:

**Allocation scheme to copy from:**  
(Select the Stock and year to view the allocations in details before copying it)

- CEFAS demo: No unsampled starta have allocations for this scheme
- copy of H1: No unsampled starta have allocations for this scheme
- H1: No unsampled starta have allocations for this scheme
- Test by WG: No unsampled starta have allocations for this scheme
- WGCSE demoRename: No unsampled starta have allocations for this scheme
- WGNSSK: 10 unsampled strata allocated for this scheme(Final export). A total of 120 sampled strata were used as sources for the unallocated strata
- WKIC1: 1 unsampled stratum have allocations for this scheme. A total of 2 sampled strata were used as sources for the unallocated strata
- WKIC2: No unsampled starta have allocations for this scheme
- WKIC2\_1: No unsampled starta have allocations for this scheme
- WKIC2\_2: No unsampled starta have allocations for this scheme

After clicking the 'OK' button in the set up of allocations the screen above is shown. Repeat editing until all the rows have a drop down plus sign marker in the left hand column.

When pressing the '+' sign the sampled stratas which are allocated to the unsampled catch are shown.

You can copy any allocation scheme from any year for the same stock at the bottom of the page, by selecting the year and allocation scheme. The numbers of strata for which the allocation scheme have allocations is shown.

After having set up all unsampled catches, press 'Close' or just go to the next menu item.

The setup of each unsampled catch have been saved when pressing 'Ok' in the previous screen.

### 5.12.1 Allocation Group Setup

[Data handling](#) [Overviews](#) [InterCatch- Misc](#) [Change password](#) **Henrik Kjems-Nielsen** [LOG OUT](#)  
 Last updated: 14 May 2013, 10:38:30

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2013	2012	aas-arct	WG	Final	Age	WKIC2_1

**Allocation scheme 'WKIC2\_1'**

**For aas-arct in 2012**

	No Alloc	Weight Algorithm	Country	Area	Year	Season	Metier/Fleet	CatchCategory	Report cat.	CATON in kg	Comments	Use
<input type="button" value="Edit"/>	0	Mean W	UKS	IIa	2012	1	SDN_DEF_>=120_0_0_all	Landings	R - Rep	50000	No comments	Hun
<input type="button" value="Edit"/>	0	Mean W	UKS	IIa	2012	3	SDN_DEF_>=120_0_0_all	Landings	R - Rep	30000	No comments	Hun
<input type="button" value="Edit"/>	0	Mean W	UKS	IIa	2012	4	OTB_DEF_80-99_0_0	Discards	R - Rep	0	No comments	Hun
<input type="button" value="Edit"/>	0	Mean W	UKS	IIb	2012	1	SDN_DEF_>=120_0_0_all	Discards	R - Rep	29937	No comments	Hun
<input type="button" value="Edit"/>	0	Mean W	UKS	IIb	2012	2	SDN_DEF_>=120_0_0_all	Discards	R - Rep	8434	No comments	Hun
<input type="button" value="Edit"/>	0	Mean W	UKS	IIb	2012	4	SDN_DEF_>=120_0_0_all	Discards	R - Rep	16127	No comments	Hun

The table above shows all the unsampled catches/stratas for which allocations have to set up. When allocations have been set up for an unsampled stratum a '+' is shown in the first column. When clicking the '+' the allocated stratas are shown.

**Before you press any 'Edit' buttons, you can copy the way allocations was done last year (remember if e.g. the Fleet or Reporting Category is different, InterCatch cannot find the strata automatically). You can then edit the allocations afterwards where needed, remember to check all allocations, or discard the allocations and just create a new (blank) allocation scheme.**

Instead of setting up allocations for each unsampled catch, it is also possible to set up allocations in the same way for groups of unsampled catches, by pressing the 'Go to Group Setup' button.

The screenshot shows the 'Grouping of unsampled strata' interface. At the top, there is a navigation menu with 'Data handling', 'Overviews', 'InterCatch- Misc', and 'Change password'. The user is identified as 'Henrik Kjems-Nielsen' with a 'LOG OUT' link. A summary table shows: Working year: 2013, Data year: 2012, Stock: aas-arct, Assignment: WG, WorkingStatus: Final, Distribution: Age, Allocation scheme: WKIC2\_1.

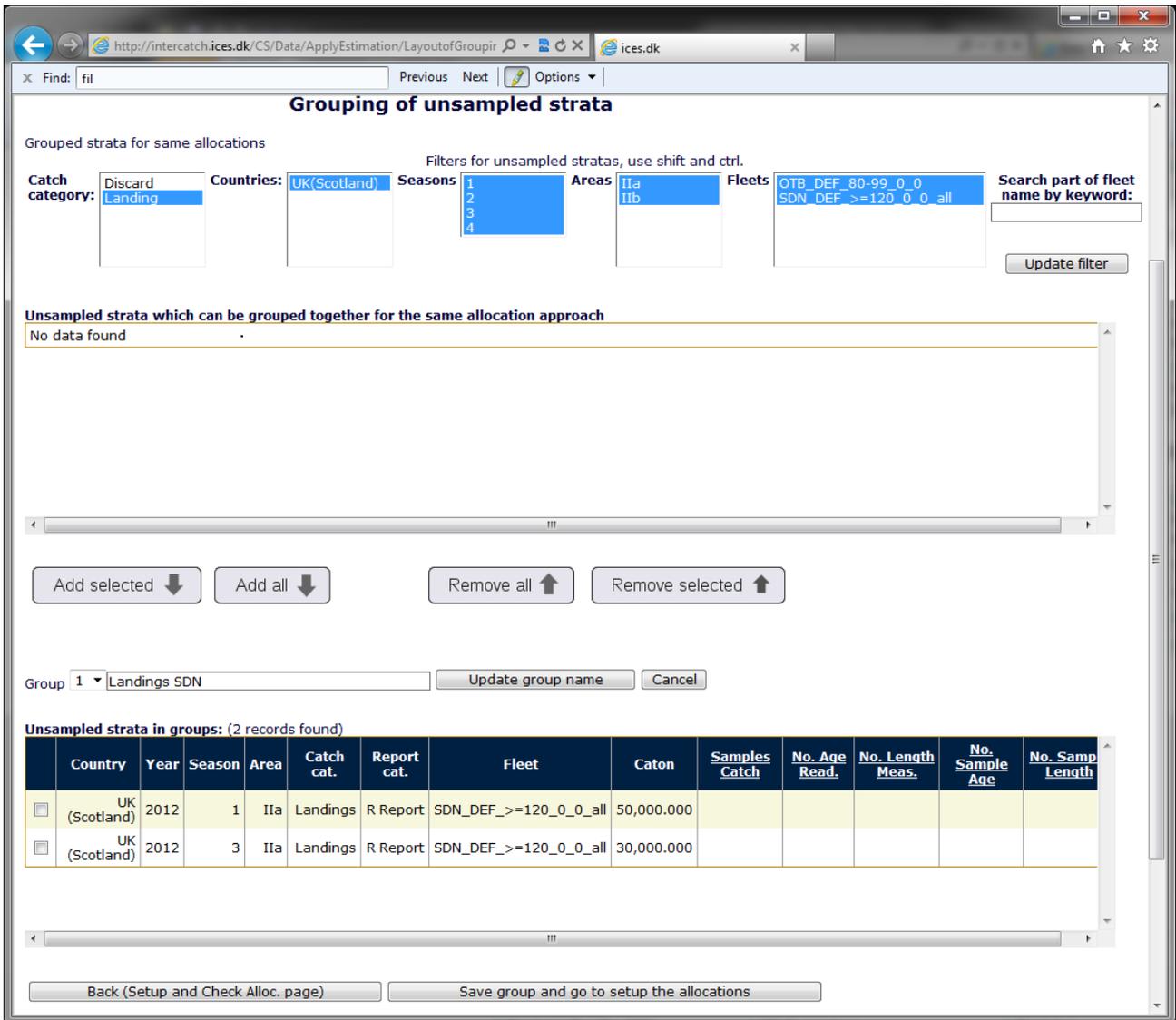
The main section is titled 'Grouping of unsampled strata'. It includes a sub-section 'Grouped strata for same allocations' with filter options for Catch category (Discard, Landing), Countries (UK(Scotland)), Seasons (1, 2, 3, 4), Areas (IIa, IIb), and Fleets (OTB\_DEF\_80-99\_0\_0, SDN\_DEF >=120\_0\_0\_all). There is also a search box for fleet names and an 'Update filter' button.

Below this is a table titled 'Unsampled strata which can be grouped together for the same allocation approach (2 records found)'. The table has columns: Country, Year, Season, Area, Catch cat., Report cat., Fleet, Caton, Samples Catch, No. Age Read., No. Length Meas., No. Sample Age, and No. Samp Length. Two records are shown, both for UK (Scotland) in 2012, with different seasons (1 and 3) and areas (IIa).

At the bottom, there are buttons for 'Add selected', 'Add all', 'Remove all', and 'Remove selected'. Below these is a group management section with a dropdown for 'Group 1', a text input 'Name of group 1', and buttons for 'Update group name' and 'Cancel'. A final section titled 'Unsampled strata in groups' shows 'No data found'.

The user select among all unsampled catches, which unsampled catches should be grouped together. The later to this group allocated samped catches/strata will be used/allocated for each of the unsampled catches in this group.

Use the filter by pressing Control or Shift and clicking the items, remember to press 'Update filter'. Check mark the unsampled catches which should be grouped together in a group.



Click ‘Add selected’ and give the group a name, then click the ‘Save group and go to setup the allocations’. That will save the group and redirect the user to the ‘Allocations of Grouped unsampled strata’-page.

The user should set up the allocation for each just created group before creating a new group of unsampled catches. If the user what to create all the groups first and the do the allocations for all the groups, the user just click ‘Back ...’ in the next page the ‘Allocations of Grouped unsampled strata’-page.

http://intercatch.ices.dk/CS/Data/ApplyEstimation/LayoutOfAllocati ices.dk

Find: fil Previous Next Options

Data handling Overviews InterCatch- Misc Change password Henrik Kjems-Nielsen LOG OUT Last updated: 14 May 2013, 10:45:54

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2013	2012	aas-arct	WG	Final	Age	WKIC2_1

### Allocations of grouped unsampled strata

Strata grouped together for the same allocations Group 1 | Landings SDN

	Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Caton	Samples Catch	No. Age Read.	No. Length Meas.	No. Sample Age	No. Sample Length
<input type="checkbox"/>	UK (Scotland)	2012	1	Ila	Landings	R Report	SDN_DEF_>=120_0_0_all	50,000.000					
<input type="checkbox"/>	UK (Scotland)	2012	3	Ila	Landings	R Report	SDN_DEF_>=120_0_0_all	30,000.000					

Filters for sampled strata

Catch category: Discard Landing

Countries: UK (Scotland)

Seasons: 1, 2, 2012, 3

Areas: Ila, Iib

Fleets: OTB\_DEF\_80-99\_0\_0, SDN\_DEF\_>=120\_0\_0\_all

Search part of fleet name by keyword:

Update filter

### Sampled strata which can be grouped together for the same allocation approach (5 records found)

	Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Caton	Samples Catch	No. Age Read.	No. Length Meas.	No. Sample Age	No. Sample Length
<input checked="" type="checkbox"/>	UK (Scotland)	2012	1	Iib	Landings	R Report	SDN_DEF_>=120_0_0_all	323,000.000	0				
<input checked="" type="checkbox"/>	UK (Scotland)	2012	2	Iib	Landings	R Report	SDN_DEF_>=120_0_0_all	91,000.000	0	253	1,434	4	
<input checked="" type="checkbox"/>	UK (Scotland)	2012	2	Ila	Landings	R Report	SDN_DEF_>=120_0_0_all	111,000.000	0	253	1,434	4	
<input checked="" type="checkbox"/>	UK (Scotland)	2012	4	Ila	Landings	R Report	SDN_DEF_>=120_0_0_all	197,000.000	0	254	1,377	2	

Add selected ↓ Add all ↓ Remove all ↑ Remove selected ↑

Selected sampled strata which will be allocated to each of the stratum in the group:

No data found

Use the filter by pressing Control or Shift and clicking the items, remember to press 'Update filter'. Then check mark the sampled strata, which should be allocated for the group, and press 'Add selected'. This will move the selected strata from the 'Sampled strata which ...' to the 'Selected sampled strata ...'

The screenshot shows the InterCatch web application interface. At the top, there are navigation buttons (Previous, Next) and an Options menu. Below this, there are filter sections for Catch category (Discard, Landing), Countries (UK(Scotland)), Seasons (1, 2, 3), Areas (IIa, IIb), and Fleets (OTB\_DEF 80-99 0 0, SDN\_DEF >=120 0 0\_all). A search bar for fleet names is also present. Below the filters, a message states "Sampled strata which can be grouped together for the same allocation approach: No data found".

Below this, there are four buttons: "Add selected", "Add all", "Remove all", and "Remove selected".

The main table is titled "Selected sampled strata which will be allocated to each of the stratum in the group: (5 records found)". The table has the following columns: Country, Year, Season, Area, Catch cat., Report cat., Fleet, Caton, Weighting Factor, Samples Catch, No. Age Read., No. Length Meas., No. Sample Age, and No. Samp Length.

Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Caton	Weighting Factor	Samples Catch	No. Age Read.	No. Length Meas.	No. Sample Age	No. Samp Length
UK (Scotland)	2012	1	IIb	Landings	R Report	SDN_DEF_>=120_0_0_all	323,000.000	0	0				
UK (Scotland)	2012	2	IIb	Landings	R Report	SDN_DEF_>=120_0_0_all	91,000.000	0	0	253	1,434	4	
UK (Scotland)	2012	2	IIa	Landings	R Report	SDN_DEF_>=120_0_0_all	111,000.000	0	0	253	1,434	4	
UK (Scotland)	2012	4	IIa	Landings	R Report	SDN DEF >=120 0 0 all	197,000.000	0	0	254	1,377	2	

At the bottom, there is a "Comments:" field and a "Weighting Factor (at stratum level) by:" dropdown menu. The dropdown menu is open, showing options: Mean Weight weighted by Numbers at Age or Length, CATON, Manual, Mean Weight weighted by Numbers at Age or Length (highlighted), No Age Read, No Length Meas, No Samples for Age, No Samples for Length, and Sampled Catch. A "Back (Go to Grouping page)" button is also visible.

When the wanted sampled strata have been selected, the weighing algorithm is selected just like when the individual unsampled strata are set up.

The Weighting Factor field the 10<sup>th</sup> column in the table (after the CATON column) is updated accordingly to the selected weighting algorithm/field.

The screenshot shows the InterCatch web application interface. At the top, there is a browser window with the URL `http://intercatch.ices.dk/CS/Data/ApplyEstimation/LayoutOfAllocati`. Below the browser, there is a search bar with the text "fil" and navigation buttons "Previous", "Next", and "Options".

The main content area features a table with columns for Country, Year, Season, Area, Catch cat., Report cat., Fleet, Caton, Weighting Factor, Samples Catch, No. Age Read., No. Length Meas., No. Sample Age, and No. Samp Leng. The table contains two rows of data for UK (Scotland) in 2012.

Below the table, there are filter controls for "Filters for sampled strata". These include:
 

- Catch category: Discard, Landing
- Countries: UK(Scotland)
- Seasons: 1, 2, 2012, 3
- Areas: IIa, IIb
- Fleets: OTB\_DEF\_80-99\_0\_0, SDN\_DEF\_>=120\_0\_0\_all
- Search part of fleet name by keyword: (empty field)
- Update filter button

Below the filter controls, there is a section titled "Sampled strata which can be grouped together for the same allocation approach" with the text "No data found".

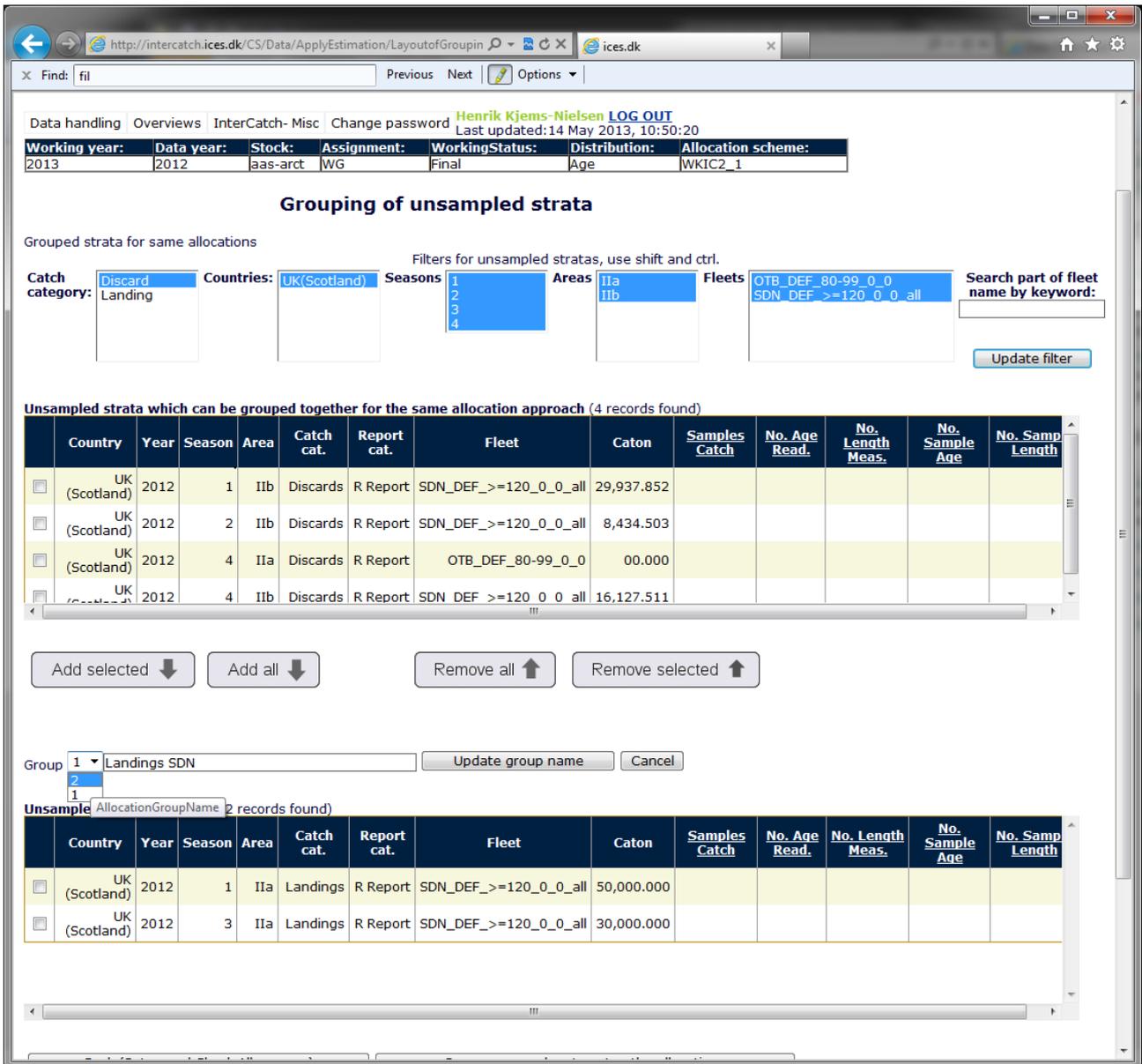
At the bottom, there are four buttons: "Add selected", "Add all", "Remove all", and "Remove selected".

Below these buttons, there is a section titled "Selected sampled strata which will be allocated to each of the stratum in the group: (5 records found)". This section contains a table with the following data:

Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Caton	Weighting Factor	Samples Catch	No. Age Read.	No. Length Meas.	No. Sample Age	No. Samp Leng
UK (Scotland)	2012	1	IIb	Landings	R Report	SDN_DEF_>=120_0_0_all	323,000.000	323,000	0				
UK (Scotland)	2012	2	IIb	Landings	R Report	SDN_DEF_>=120_0_0_all	91,000.000	91,000	0	253	1,434	4	
UK (Scotland)	2012	2	IIa	Landings	R Report	SDN_DEF_>=120_0_0_all	111,000.000	111,000	0	253	1,434	4	
UK (Scotland)	2012	4	IIa	Landings	R Report	SDN DEF >=120 0 0 all	197,000.000	197,000	0	254	1,377	2	

At the bottom of the interface, there is a "Comments:" field, a "Weighting Factor (at stratum level) by:" dropdown menu set to "CATON", and two buttons: "Back (Go to Grouping page)" and "Save and make the allocations".

When the wanted sampled strata and the wanted weighting algorithm have been selected, press the 'Save and make the allocations', and the allocations for the group have been saved, and the user can exit without losing any work.



The user is redirected to the 'Grouping of unsampled starata' -page, default viewing the just set up group.

Adding a new group is done by selecting the small dropdown, see the blue marked 2 in the Group dropdown in the screen above, press the small downwards triangle like on all windows applications and the dropdown will unfold. Select the next number to set up a new group, like in this case number "2". Use also this dropdown to shift between the groups already set up, if you want to view or change the strata in the group

http://intercatch.ices.dk/CS/Data/ApplyEstimation/LayoutofGroupin ices.dk

Find: fil Previous Next Options

<b>Working year:</b>	<b>Data year:</b>	<b>Stock:</b>	<b>Assignment:</b>	<b>WorkingStatus:</b>	<b>Distribution:</b>	<b>Allocation scheme:</b>
2013	2012	bas-arct	WG	Final	Age	WKIC2_1

### Grouping of unsampled strata

Grouped strata for same allocations

Filters for unsampled stratas, use shift and ctrl.

Catch category: Discard Landing Countries: UK(Scotland) Seasons: 1 2 3 4 Areas: IIa IIb Fleets: OTB\_DEF\_80-99\_0\_0 SDN\_DEF >=120\_0\_0\_all

Search part of fleet name by keyword:

**Unsampled strata which can be grouped together for the same allocation approach (4 records found)**

	Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Caton	Samples Catch	No. Age Read.	No. Length Meas.	No. Sample Age	No. Samp Length
<input type="checkbox"/>	UK (Scotland)	2012	1	IIb	Discards	R Report	SDN_DEF >=120_0_0_all	29,937.852					
<input type="checkbox"/>	UK (Scotland)	2012	2	IIb	Discards	R Report	SDN_DEF >=120_0_0_all	8,434.503					
<input type="checkbox"/>	UK (Scotland)	2012	4	IIa	Discards	R Report	OTB_DEF_80-99_0_0	00.000					
<input type="checkbox"/>	UK (Scotland)	2012	4	IIb	Discards	R Report	SDN_DEF >=120_0_0_all	16,127.511					

Group 2 Discards All

**Unsampled strata in groups:**  
No data found

A new group name for group number 2 can be entered. Then select the strata which should belong to the group 2 in this case called “Discards All”. Mark the strata, which should belong to group 2 and press “Add selected”.

http://intercatch.ices.dk/CS/Data/ApplyEstimation/LayoutofGroupin

Working year: 2013 Data year: 2012 Stock: aas-arct Assignment: WG WorkingStatus: Final Distribution: Age Allocation scheme: WKIC2\_1

### Grouping of unsampled strata

Grouped strata for same allocations

Filters for unsampled stratas, use shift and ctrl.

Catch category: Discard Landing Countries: UK(Scotland) Seasons: 1 2 3 4 Areas: IIa IIb Fleets: OTB\_DEF\_80-99\_0\_0 SDN\_DEF\_>=120\_0\_0\_all

Search part of fleet name by keyword:

Update filter

Unsampled strata which can be grouped together for the same allocation approach

No data found

Add selected Add all Remove all Remove selected

Group 2 Discards All Update group name Cancel

Unsampled strata in groups: (4 records found)

	Country	Year	Season	Area	Catch cat.	Report cat.	Fleet	Caton	Samples Catch	No. Age Read.	No. Length Meas.	No. Sample Age	No. Samp Length
<input type="checkbox"/>	UK (Scotland)	2012	1	IIb	Discards	R Report	SDN_DEF_>=120_0_0_all	29,937.852					
<input type="checkbox"/>	UK (Scotland)	2012	2	IIb	Discards	R Report	SDN_DEF_>=120_0_0_all	8,434.503					
<input type="checkbox"/>	UK (Scotland)	2012	4	IIa	Discards	R Report	OTB_DEF_80-99_0_0	00.000					
<input type="checkbox"/>	UK (Scotland)	2012	4	IIb	Discards	R Report	SDN_DEF_>=120_0_0_all	16,127.511					

Back (Setup and Check Alloc. page) Save group and go to setup the allocations

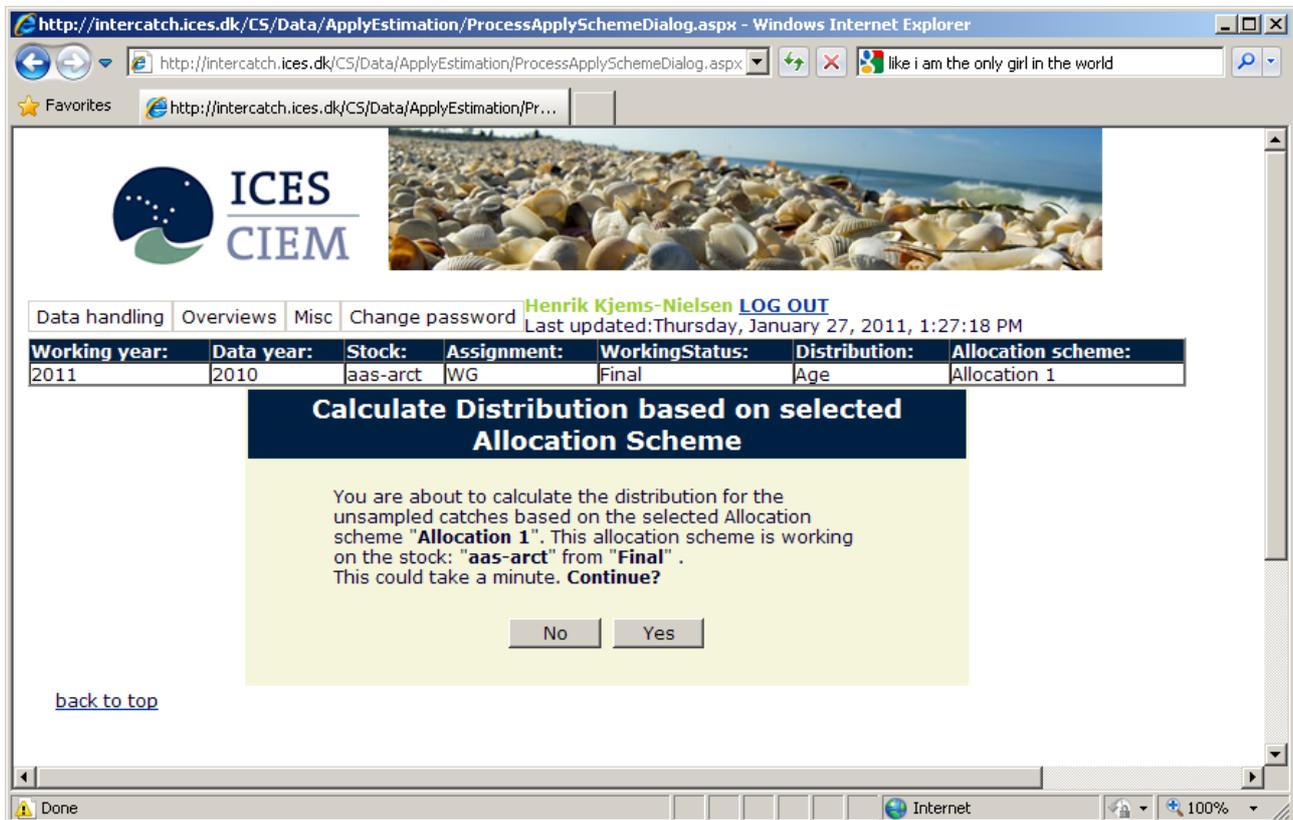
http://intercatch.ices.dk/CS/Data/ApplyEstimation/LayoutofGroupingofunsampled...

After the ‘Add selected’ is pressed the selected strata is moved to the ‘Unsampled strata in groups’. Then click the ‘Save group and go to setup the allocations’. That will save the group and redirect the user to the ‘Allocations of Grouped unsampled strata’-page, just like when setting up group 1. Then the the unsampled strata can be allocated to the group.

## 5.1 Calculate Distributions from Allocation Scheme

Menu item: 11. Calculate Distributions from Allocation Scheme

After having set up allocations for all unsampled catches under an allocation scheme, the catch numbers at age or length (CANUM) and mean weight in catch at age or length (WECA) for all unsampled catches must be calculated.



The screenshot shows a web browser window with the URL `http://intercatch.ices.dk/CS/Data/ApplyEstimation/ProcessApplySchemeDialog.aspx`. The page header includes the ICES CIEM logo and a navigation menu with items: Data handling, Overviews, Misc, Change password, Henrik Kjems-Nielsen LOG OUT, and Last updated: Thursday, January 27, 2011, 1:27:18 PM. Below the header is a table with the following data:

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2011	2010	aas-arct	WG	Final	Age	Allocation 1

The main content area features a dark blue header for the dialog: **Calculate Distribution based on selected Allocation Scheme**. The dialog text reads: "You are about to calculate the distribution for the unsampled catches based on the selected Allocation scheme 'Allocation 1'. This allocation scheme is working on the stock: 'aas-arct' from 'Final'. This could take a minute. Continue?". At the bottom of the dialog are two buttons: "No" and "Yes". A "back to top" link is visible in the bottom left corner of the page content.

Check that you have selected the right Allocation scheme, then click 'Yes'. The catch numbers at age or length (CANUM) and mean weight in catch at age or length (WECA) for all unsampled catches are now being calculated.

To change the Allocation scheme, press 'No' and select the right and 'Change Stock and Year',

If you have forgotten to set up allocations for one or more unsampled catches you will see a message 'This allocation-scheme does not cover all catches! Return to "Set up apply methods", to fix this'. You should return to the 'Setup or Check Allocation schemes' and complete the allocations for all unsampled catches.



When all numbers and mean weight at age or length for all unsampled catches has been calculated it should take less than 20 sec. the screen above is shown.

Click 'View' to see the numbers (CANUM) and mean weight (WECA) at age or length for each unsampled catch.

If a 'Trial' dataset should be finalised please go to menu '8 Extract and View Imported Stock/Year data'. Here you press 'view' and then 'finalise'. REMEMBER to say yes to copy discards and yes to copy allocation schemes if there already exist a data set in status Final with discards and allocations already set up.

The screenshot shows the 'Results of Allocation' page for 'aas-arct2010'. At the top, there is a navigation menu with options like 'Data handling', 'Overviews', and 'Misc'. Below this, a summary table shows 'Working year: 2011', 'Data year: 2010', 'Stock: aas-arct', 'Assignment: WG', 'WorkingStatus: Final', 'Distribution: Age', and 'Allocation scheme: Allocation 1'. The main heading is 'Results of Allocation For aas-arct2010', with a note that this is the finalized stock. A status box indicates 'Status: Final' and 'Distribution: Age'. The central table displays catch data for various quarters and areas, with a detailed view for 'Age 1' showing CANUM and WECA values for different sexes (Un, CANUM, WECA) across ages 1 to 11. A 'Back' button and a 'back to top' link are visible at the bottom of the table area.

The calculated CANUM and WECA for each unsampled catch can be seen by clicking the '+' sign to the left. Two rows of data are shown. The upper row contains the CANUM values for each age or length and sex. The lower row contains the WECA values in gram.

If the specific allocated sampled catches to an unsampled catch contained CANUM and WECA for females, males and undetermined, then CANUM and WECA are represented for the same sexes for the unsampled catch. If there are more sexes it is useful to use the scroll bar to see all CANUM and WECA.

The following are the codes for sex:

- Fe - female
- Ma –male
- Un – undetermined

If you want to finalise the 'Trial' dataset please go to menu '8 Extract and View Imported Stock/Year data'. Here you press 'View' and then 'Finalise'. REMEMBER to say yes to copy discards and yes to copy allocation schemes if there already exist a data set in status Final with discards and allocations already set up.

## 5.2 View Calculated Distributions

Menu item: 12. View Calculated Distributions

The screenshot shows the InterCatch web application interface. At the top, there is a navigation bar with the ICES CIEM logo and a breadcrumb trail: [InterCatch](#) > [Data handling](#) > [12. View Calculated Distributions](#) Henrik Kjems-Nielsen [Log out](#). Below the navigation bar is a table with the following data:

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2010	2009	ang-kask	WG	Final	Age	Not set

Below the table is a section titled "Existing Results of Allocation on" with the following details:

- Assignment: WG
- Stock: ang-kask
- Year: 2009
- Distribution: Age

Below this is a section titled "Existing results for the current workspace." containing a table:

Apply scheme	Status	Creation date	
Alloc	Final	1/28/2010 12:41	<a href="#">View</a>

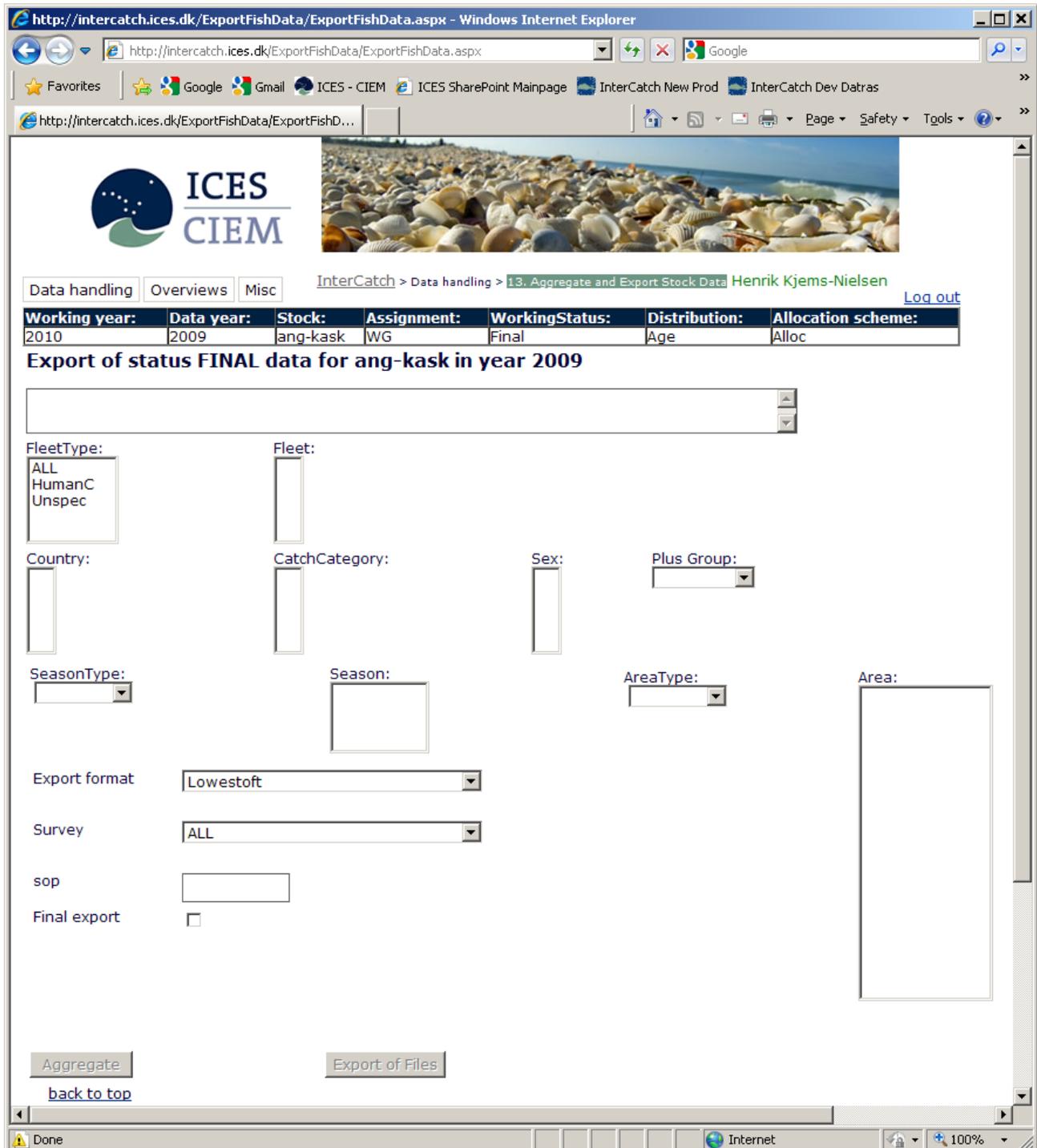
At the bottom of the page, there is a "Close" button and a "back to top" link. The browser's address bar shows the URL: <http://intercatch.ices.dk/CS/data/ApplyEstimation/ApplyResultStatus.aspx?blnUpdateLeftFrame=tru>.

In this screen the user can find out which allocation scheme there was used to calculate the age or length distributions for the unsampled catches for the 'Final' dataset (or 'Trial').

If a 'Trial' dataset should be finalised please go to menu '8 Extract and View Imported Stock/Year data'. Here you press 'view' and then 'finalise'. REMEMBER to say yes to copy discards and yes to copy allocation schemes if there already exist a data set in status Final with discards and allocations already set up.

### 5.3 Aggregate and Export Stock Data

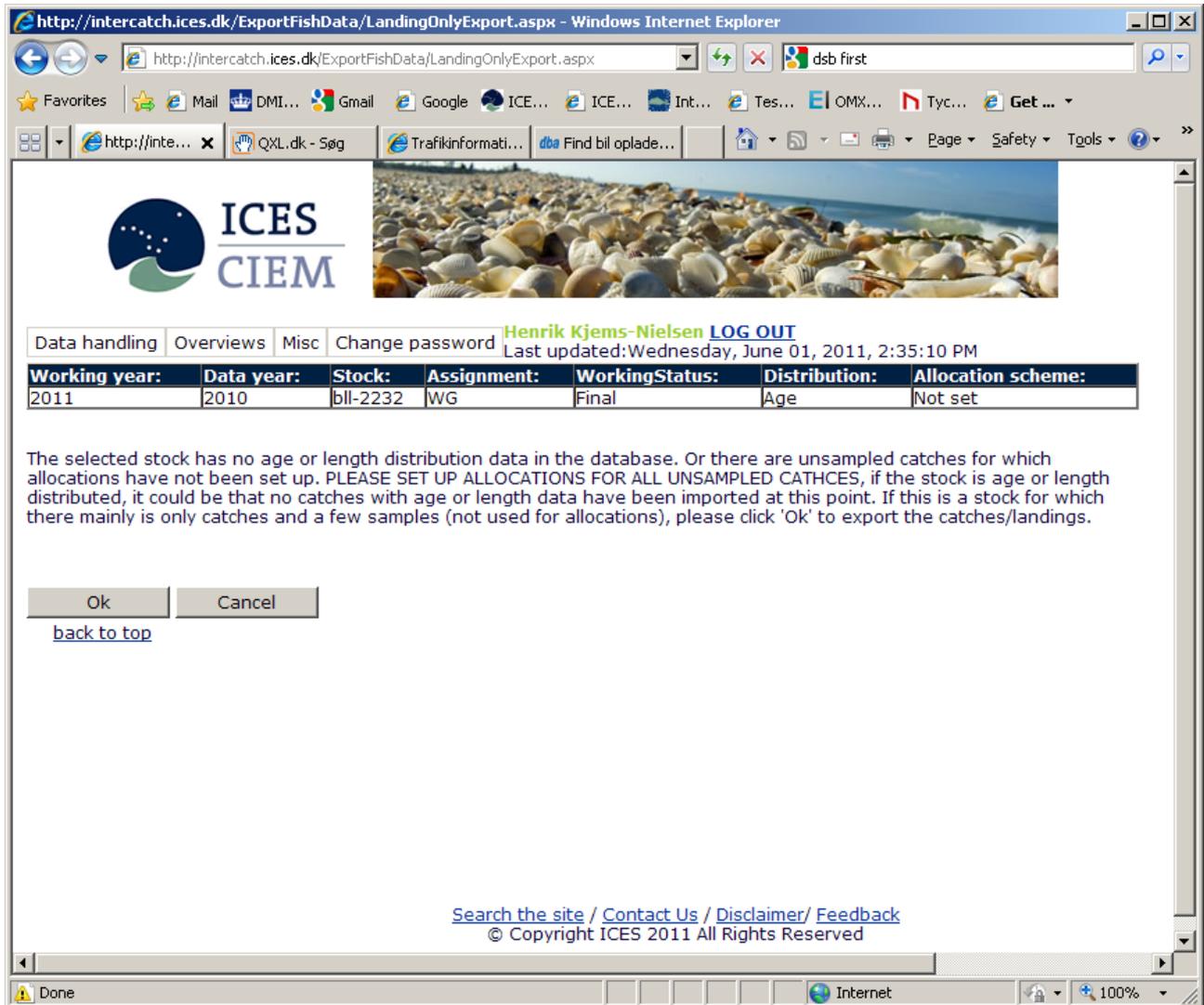
Menu item: 13. Aggregate and Export Stock Data



Only data from Stock and Year 'Final' can be exported, therefore you are redirected to '7. Set Stock and Year/Workingspace' so you can select the 'Final' dataset under the relevant Stock and Year. If the calculated distribution data you want to use and export are in status 'Trial' then 'Finilaze' the dataset in '12. View Calculated Distributions' (the calculations of the CANUM and WECA for unsampled catches).

#### Landings only

Some stocks only have landings data no sample data, or very few samples which are not allocated to other strata. InterCatch automatically detect if a stock should be seen as a 'landings only' stock or a stock with age or length distributions for all strata. If just one strata do not have an age or length distributions, then the stock is exported as a 'landings only' stock, see the screen below.



Save the data from the link.

## Returning to the stocks with an age or length distribution for all catches

The screenshot shows the InterCatch web application interface. At the top, there is a navigation bar with the ICES CIEM logo and a breadcrumb trail: [InterCatch](#) > [Data handling](#) > [13. Aggregate and Export Stock Data](#). Below this is a table with the following data:

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2010	2009	ang-kask	WG	Final	Age	Alloc

Below the table, the page title is "Export of status FINAL data for ang-kask in year 2009". The main content area contains several filter fields:

- FleetType:** ALL, HumanC, Unspec
- Fleet:** ALL, Bottom trawl, Other
- Country:** ALL, DK
- CatchCategory:** ALL, L
- Sex:** ALL, N
- Plus Group:** 10 (100 %)
- SeasonType:** Quarter
- Season:** ALL, 1, 2, 3
- AreaType:** Div
- Area:** ALL, Ib, IIa, IIb, IIIa, IIIb, IIIc, IIId, IVa, IVb, IVc, IXa, IXb, Va, Vb, VIa, VIb, VIIa, VIIb

At the bottom of the filter section, there are two buttons: "Aggregate" and "Export of Files". Below the "Aggregate" button is a link: [back to top](#).

In this page you specify the level of your aggregation. The wide top field is just for information showing what is selected. The first field 'FleetType' is a filter for the next field 'Fleet'. You select the fleets which must be aggregated in the output. Then the countries which must be aggregated are selected. Most often 'All' are selected in the fields, to aggregate all catch data to the total stock catch.

The fields must be selected in the order shown on the screen. The drop down lists only show codes for which data exist. But for 'Season' and 'Area' all

quarters or areas are shown independent of imported data, simply to be able to aggregate on a higher level than the imported data.

After having specified the level of aggregation by the chosen fleets, countries etc. click the 'Aggregation' button.

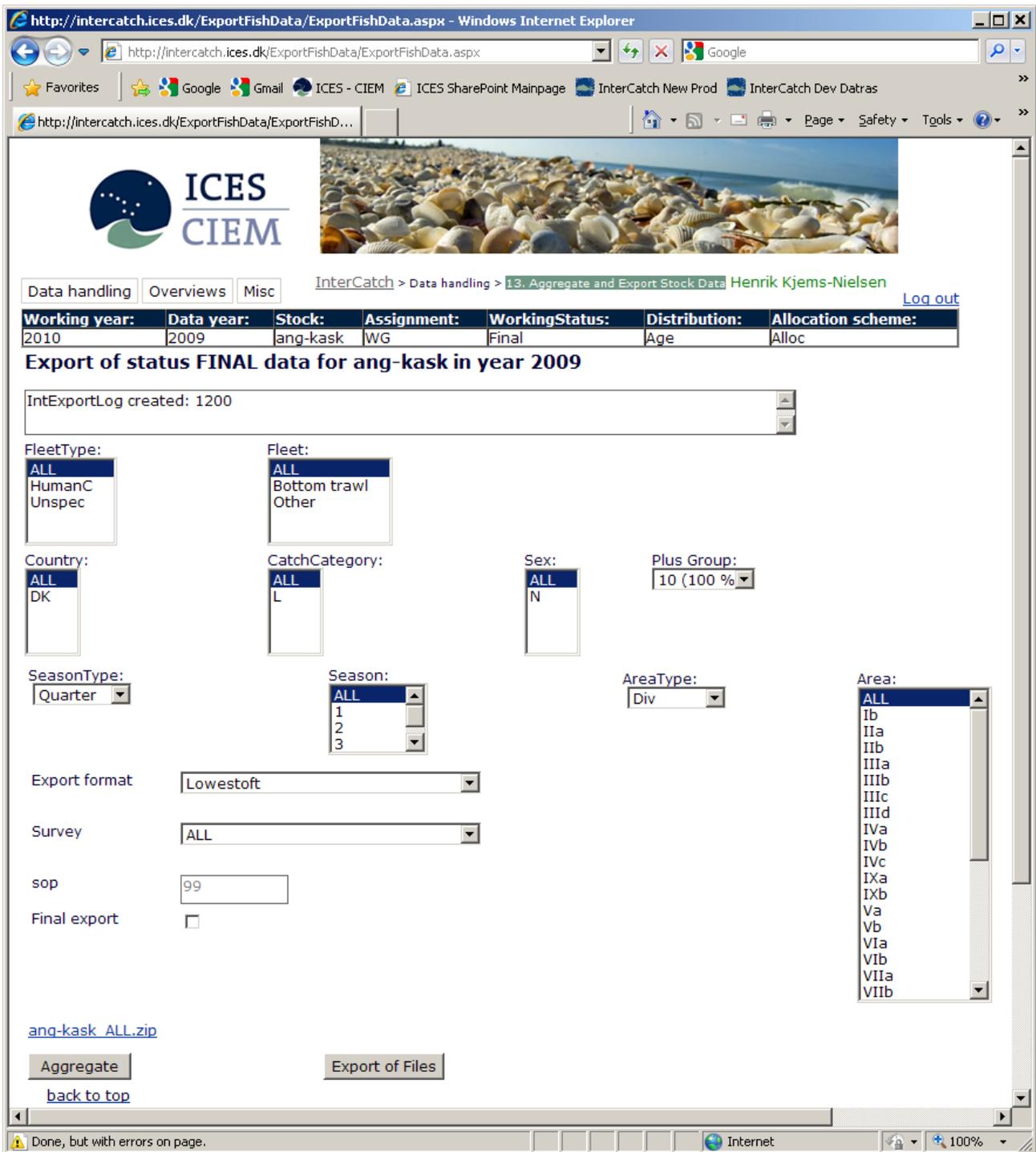
Data are aggregated to the level specified and a SOP value is calculated and shown next to the 'SOP' field see the next page.

#### **Discards exported separately**

In the Catch Category list first 'Landings' are selected and the rest of the field are selected, then the data is aggregated and exported. Then in the Catch Category list the 'Discards' are selected and again data are exported.

#### **Stock weight WEST**

If WEST is taken from a specific quarter like 1<sup>st</sup> or 3<sup>rd</sup>, then select 'Quarter' in SeasonType field and select the specific quarter in the Season field and select 'All' where relevant in all other fields and then press 'Aggregate' and then 'Export'.



If the SOP value is acceptable you can export the stock CATON, CANUM, WECA, the allocation files (two if discards are used) and the Catch and Sample data tables by clicking 'Export of Files'. Then a hyper link is showing a zip file with the same name as the **stock code** and the selected **areas** and the **date and time**.

Left click on the hyper link and select the option 'Save as ...' and save the zip file on you local workstation.

This zip file contains the following files with data in the Lowestoft format:

- **CATON.txt** (*the catch is only from the selection criteria*)
- **CANUM.txt** (*the numbers are only from the selection criteria*)
- **WECA.txt** (*the mean weights are only from the selection criteria*)
- **AllocationsAndCatchData.txt** \*
- **CatchAndSampleDataTables.txt** \*

\* showing all data independent of the selection criteria.

If discards have set up/allocated the following file is also added. This file contains the documentation of the selected/allocated landings-discards for all the raised discards:

- **DiscardAllocations.txt** \*

If 'Survey and logbook data' have been imported that is; tuning fleet CPUE data, mean weight in stock (WEST) and maturity data, then the following files will also be included in the zip file also in the Lowestoft format:

- **Fleet.txt** \*
- **Maturity.txt** \*
- **WEST.txt** \*

The CATON, CANUM, WECA, Fleet, Maturity and WEST files are text and can be direct used as input to the assessment models.

File: AllocationsAndCatchData.txt

	A	B	C	D	E	F	G	H
105	--	France		3 Quarter	IVaW	TestA	No Age Read	
106	The following sampled catches are allocated to above unsampled catch:							
107	<<	Netherlands		3 Quarter	IVaW	TestA	2050	
108	<<	Germany		3 Quarter	IVaW	TestA	1016	
109	Filling-in for the following unsampled record:							
110	--	France		3 Quarter	IVb	TestA	No Age Read	
111	The following sampled catches are allocated to above unsampled catch:							
112	<<	Netherlands		3 Quarter	IVb	TestA	400	
113	<<	Germany		3 Quarter	IVb	TestA	1360	
114	Filling-in for the following unsampled record:							
115	--	France		3 Quarter	VIIId	TestA	Manual	
116	The following sampled catches are allocated to above unsampled catch:							
117	<<	Netherlands		2 Quarter	VIIId	TestA	1	
118	Filling-in for the following unsampled record:							
119	--	France		4 Quarter	IVc	TestA	Manual	
120	The following sampled catches are allocated to above unsampled catch:							
121	<<	Netherlands		4 Quarter	IVc	TestA	1	
122	Filling-in for the following unsampled record:							
123	--	France		4 Quarter	VIIId	TestA	No Age Read	
124	The following sampled catches are allocated to above unsampled catch:							
125	<<	Netherlands		4 Quarter	VIIId	TestA	1722	
126	<<	Germany		4 Quarter	VIIId	TestA	600	

The AllocationsAndCatchData explains how the allocations were done see above, where the text AllocationsAndCatchData file, which is tabulator delimited is opened directly in a spreadsheet.

The CatchAndSampleDataTables.txt file is from 2008 and includes 4 tables. Two tables for the working group report, and 2 other tables, which can be used as pivot tables for examining the data:

1. Sample data per country and area for the WG report
2. CANUM, WECA and length data per age or length for each area and quarter for the WG report
3. List of catches for all imported stratas (no age or length specific data) for pivot tables for data examination.
4. List of all imported catches data with sample data for each age or length for pivot tables for data examination.

In the following the examples of the four different tables in the file are shown. The file is as the AllocationsAndCatchData file tabulator delimited and can therefore be opened directly in a spreadsheet.

The screenshot shows a Microsoft Excel spreadsheet titled 'CatchAndSampleDataTables.xls'. The data is organized in a table with columns A through K. The rows represent different countries and areas, with columns for Catch category, Reporting area, Misreported area, Catch, Sampled Catch, Official Catch, No. of length samples, No. measured, No. of age samples, and No. aged. A total row is provided at the bottom of the data section.

	A	B	C	D	E	F	G	H	I	J	K
31	Area: IVaW										
32	-----										
33	Country	Catch category	Reporting category	Misreported area to/from	Catch	Sampled Catch	Official Catch	No. of length samples	No. measured	No. of age samples	No. aged
34											
35	Denmark	Catch	All - report		48128000	47472	48128000	46	6038	46	1280
36	France	Landings	Reported		10941000	0	10941000	0	0	0	0
37	Germany	Catch	Reported		15514000	15514	12939000	28	11924	28	1155
38	Germany	Landings	Reported		4620000	0	4620000	0	0	0	0
39	Netherlands	Catch	All - report		60319000	60319	43565000	109	13183	109	2725
40	Netherlands	Landings	All - report		2366000	0	311000	0	0	0	0
41	Norway	Catch	Reported		36119000	36119	36119000	13	1207	13	1196
42	Sweden	Landings	Reported		2178000	0	2178000	0	0	0	0
43	UK (England)	Landings	Reported		13480000	0	13480000	0	0	0	0
44	UK(Northern Ireland)	Landings	Reported		2656000	0	2656000	0	0	0	0
45	UK(Scotland)	Discards	Reported		13219000	13219	0	9	2538	9	746
46	UK(Scotland)	Landings	Reported		53312000	53312	43490000	86	14795	86	3799
47				Total	262852000	225955	218427000	291	49685	291	10901
48											
49	Total Discards: 13219000										
50	Total Misreported: 0										
51											

Sample data per country and area for the WG report in the 1. part of the CatchAndSampleDataTables.txt file.

The screenshot displays three data tables in an Excel spreadsheet. The first table, 'Catch Numbers at Age by Area', shows catch values for ages 0-9 across areas IIIa, IVaE, IVaW, IVb, IVc, VIId, and Total. The second table, 'Mean Weight at Age by Area (in gram)', shows mean weight values for the same ages and areas. The third table, 'Mean Length at Age by Area (in mm)', shows mean length values for the same ages and areas. The spreadsheet interface includes standard Excel menus and a status bar at the bottom.

	A	B	C	D	E	F	G	H
224	Catch Numbers at Age by Area							
225	-----							
226	For Period	1						
227								
228	Ages	IIIa	IVaE	IVaW	IVb	IVc	VIId	Total
229	0	0	0	0	0	0	0	0
230	1	9444000	0	0	796000	1982764	0	12222764
231	2	1.12E+08	7907213	495638	1170658	3328535	0	124495044
232	3	6002000	45203959	41916485	5713411	19188349	42847038	160871242
233	4	3112000	22527196	35648326	4834394	2907357	9314729	78344002
234	5	7579000	38094887	37909530	5054181	4360522	7917105	100915225
235	6	1214000	13707541	3649057	490152	1744209	5123042	25928001
236	7	1789000	8830966	4702941	625469	0	2328977	18277353
237	8	835000	1845372	1192682	118370	291044	2328977	6611445
238	9	0	439000	96000	0	0	0	535000
239								
240								
241	Mean Weight at Age by Area (in gram)							
242	-----							
243	For Period	1						
244								
245	Ages	IIIa	IVaE	IVaW	IVb	IVc	VIId	Total
246	0	0	0	0	0	0	0	NaN
247	1	17	0	0	29	29	0	19.72812009
248	2	62	79.9	136	35.2	34.9	0	62.45495298
249	3	93	105.6	112	112	84	76	96.56460927
250	4	132	139.9	133.1	133	107	106	130.8147851
251	5	147	143.7	144.2	144	111	118	140.7214906
252	6	167	158.1	161.1	161	118	160	156.671591
253	7	187	169.7	171.1	171	0	143	168.3958309
254	8	177	182	186.9	188	125	173	176.6802947
255	9	0	182	191	0	0	0	183.6149533
256								
257								
258	Mean Length at Age by Area (in mm)							
259	-----							
260	For Period	1						
261								
262	Ages	IIIa	IVaE	IVaW	IVb	IVc	VIId	Total
263	0	0	0	0	0	0	0	NaN
264	1	0	0	0	175	0	0	11.39676754
265	2	0	227.1	274.6	164.9	35.8	0	18.02508158
266	3	0	251	257.4	0	226.4	189.3	215.0209262
267	4	0	273.7	271.3	0	244	207.9	235.9212088
268	5	0	276.3	274.7	0	249.8	216.3	235.2577956
269	6	0	279.7	289.1	0	255.7	232.4	251.6789011
270	7	0	292.5	292.8	0	0	238.3	247.0310607
271	8	0	298.3	244.3	0	261.5	246.7	225.7469149
272	9	0	282	74	0	0	0	244.6766355

CANUM, WECA and length data per age or length for each area and quarter for the WG report in the 2. part of the CatchAndSampleDataTables.txt file.

Stock	Country	Year	CatchCate	ReportingC	Misreporte	Area	Season	SeasonTyp	Fleet	CATON	OfficialLan	SampledO	SampledC	No. of Len	No. of Len	No. of Age	No. of Age	Readings
498	Denmark	2004	Catch	All - report		IvAE	1	Quarter	TestB	7000	7000	Estimated	0	0	0	0	0	0
500	Denmark	2004	Catch	All - report		IvAW	1	Quarter	TestB	21000	21000	Estimated	0	0	0	0	0	0
501	Denmark	2004	Catch	All - report		IvB	1	Quarter	TestA	2227000	2227000	Estimated	0	0	0	0	0	0
502	Denmark	2004	Catch	All - report		IvC	1	Quarter	TestB	137000	137000	Estimated	0	0	0	0	0	0
503	France	2004	Landings	Reported		IvAW	1	Quarter	TestA	4000	4000	Estimated	0	0	0	0	0	0

Above is the list of catches for all imported stratas (no age or length specific data) which can be used as a pivot tables for data examination in the 3. part of the CatchAndSampleDataTables.txt file.

	Country	CatchCategory	1	2	3	4	Grand Total
4	Belgium	Landings				8000	8000
5	Belgium Total					8000	8000
7	Denmark	Catch	31185000	5201000	26830000	35821000	99037000
8	Denmark Total		31185000	5201000	26830000	35821000	99037000
9	Faroe Islands	Landings		285000	117000		402000
10	Faroe Islands Total			285000	117000		402000
11	First unknown country	Landings		-4533000	-2546000		-7079000
12	First unknown country Total			-4533000	-2546000		-7079000
13	France	Landings	971000	1932000	19674000	11944000	34521000
14	France Total		971000	1932000	19674000	11944000	34521000
15	Germany	Catch	69000		30533000		30602000
16	Germany	Landings		4985000		10111000	15096000
17	Germany Total		69000	4985000	30533000	10111000	45698000
18	Netherlands	Catch	8340000	9966000	78604000	32046000	128956000
19	Netherlands	Landings	215000		0	6067000	6282000
20	Netherlands Total		8555000	9966000	78604000	38113000	135238000
21	Norway	Catch	5658000	59467000	25265000	47248000	137638000
22	Norway Total		5658000	59467000	25265000	47248000	137638000
23	Second unknown country	Landings	9861000	3622000	7123000	3608000	24214000
24	Second unknown country Total		9861000	3622000	7123000	3608000	24214000
25	Sweden	Landings		2628000	2750000	314000	5692000
26	Sweden Total			2628000	2750000	314000	5692000
27	UK (England)	Landings	147000	1110000	15248000	4350000	20855000
28	UK (England) Total		147000	1110000	15248000	4350000	20855000
29	UK(Northern Ireland)	Landings			2643000	13000	2656000
30	UK(Northern Ireland) Total				2643000	13000	2656000
31	UK(Scotland)	Discards			2275000	10944000	13219000
32	UK(Scotland)	Landings		1913000	51256730	1983000	55152730
33	UK(Scotland) Total			1913000	53531730	12927000	68371730
34	Grand Total		56446000	86576000	259772730	164457000	567251730

The table could be used for a pivot table where an easy and good overview of e.g. CATON, see above

Stock	Country	Year	CatchCate	ReportingC	Misreporte	Area	Season	SeasonTyp	Fleet	CATON	OfficialLan	Sex	AgeOrLent	AgeOrLent	SampledO	CANUM	WECA
her-47d3	Denmark	2004	Catch	All - report		IVaE	1	Quarter	TestB	7000	7000	Undetermii	2	Age	Estimated	213	136
her-47d3	Denmark	2004	Catch	All - report		IVaE	1	Quarter	TestB	7000	7000	Undetermii	3	Age	Estimated	17959	112
her-47d3	Denmark	2004	Catch	All - report		IVaE	1	Quarter	TestB	7000	7000	Undetermii	4	Age	Estimated	15196	133
her-47d3	Denmark	2004	Catch	All - report		IVaE	1	Quarter	TestB	7000	7000	Undetermii	5	Age	Estimated	15887	144
her-47d3	Denmark	2004	Catch	All - report		IVaE	1	Quarter	TestB	7000	7000	Undetermii	6	Age	Estimated	1541	161

Above is the list of all imported catches data with sample data for each age or length, which can be used as a pivot tables for data examination in the 3. part of the CatchAndSampleDataTables.txt file.

Country	IVaE	IVaE Total	IVaW	IVaW Total	IVb	IVb Total	IVc	IVc Total	Vlld	Vlld Total	Estimated Tot	Sampled
Denmark	112	112	112	112	112	112					336	
France			113	113			84	84	76	76	273	
Netherlands			113	113	96	96					209	
UK (England)							84	84	76	76	160	
Grand Total	112	112	338	338	208	208	168	168	152	152	978	93

The table could be used as a pivot table where an easy and good overview of e.g. WECA for a given age, see the example above where WECA for age 3 is shown.

## 5.4 Data status

Menu item: 15. Status of data in InterCatch

https://intercatch.ices.dk/ExportFishData/DataStatus.aspx

InterCatch- 15. Status of da...

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Data handling | Overviews | InterCatch- Misc | Change password | **Henrik Kjems-Nielsen** LOG OUT  
Last updated: 28 March 2014, 16:37:23

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2014	2013	ang-kask	WG	Trial	Lngt	Not set

### Status of the data in and exported out of InterCatch

It is very important to state if the exported data will be/was used in the stock assessment. Therefore please answer the following questions now or return to this page just after you know if the just exported data was used in the stock assessment.

If allocations for unsampled strata have been made (meaning the stock has not only Landings or all strata are already sampled), please make sure that the allocation scheme used for the data in the assessment also is the allocation scheme, which was used for calculation the last distribution. Otherwise please select the correct allocation scheme and calculate the age or length distributions again (you do not need to export data again. Then the right allocation scheme and calculations are documented).

Stock coordinator: **Henrik Kjems-Nielsen** Date: **28 03 2014**

Is the exported data from InterCatch used for the stock assessment of **ang-kask**?

Yes  
 No

Please confirm that the allocation scheme used to calculate the last age or length distribution, which is exported for the assessment, is also the allocation scheme which is shown in menu "13. Calculate Distributions from Allocation Scheme":

Yes  
 No

Please state how InterCatch was used for raising and allocations for the stock assessment:

Used as the only tool  
 Used in parallel with another tool, and InterCatch was used for full raising of data  
 Used in parallel with another tool, but InterCatch was only used for trial or partly raising

Please describe the use of InterCatch. Why InterCatch was used as the only tool or in parallel with another tool? Have you compared the output from InterCatch with another tool before? When? What did you find out/conclude?

Save Cancel

125%

All stock coordinators have to state which status the data in InterCatch are in. Please make sure as described that the allocation scheme which is used to calculate the distribution of the exported data used for the assessment also is the allocation scheme used for the last distribution calculation.

If InterCatch have been used as the only tool, or only for a trial or partly raising the page will look like above, please fill it in. If InterCatch have been used in parallel with another tool and all data was raised, then the page will expand, please see the next page.

The information can be changed and updated at a late point.

Please state how InterCatch was used for raising and allocations for the stock assessment:

- Used as the only tool
- Used in parallel with another tool, and InterCatch was used for full raising of data
- Used in parallel with another tool, but InterCatch was only used for trial or partly raising

Please describe the use of InterCatch. Why InterCatch was used as the only tool or in parallel with another tool? Have you compared the output from InterCatch with another tool before? When? What did you find out/conclude?

fhsfdr

What kind of tool is the other tool used in parallel?

- Spreadsheet
- A tailored application written in C++, VB or .NET
- Something else
- No other tool used
- A tailored application written in R

What is the name of the other tool or what is it called?

Is there a difference in the total CATON (catch weight) IMPORTED into InterCatch and the other tool used in parallel?

Please enter the CATON in kg IMPORTED into the other tool

CATON in kg IMPORTED into InterCatch: 5568957.00 kg

CATON in kg IMPORTED into the other tool:  kg

Difference in kg: -8957.00 kg

Difference in percentage: -0.16 %

Please describe the IMPORT difference

- No difference
- Insignificant or small difference
- Significant difference
- Comparison not made or I do not know

Please fill in the information in the page about the CATON/weight catch imported into InterCatch and the other system. InterCatch will automatic fill in the values it has and show the difference, please see above.

The difference in general seen over all ages or lengths for the CANUM (catch numbers at age or length) and WECA (mean weight at age or length) is: [update field: CANUMDifference, with id from IC\_DsCANUMdifference]

Is there a difference in the total CATON (catch weight) EXPORTED output of InterCatch and EXPORTED out of the other tool used in parallel?

Please enter the CATON in kg EXPORTED out of the other tool:

CATON in kg EXPORTED out of InterCatch:	9845429.40 kg
CATON in kg EXPORTED out of the other tool:	<input type="text" value="9870000.00"/> kg
Difference in kg:	24570.60 kg
Difference in percentage:	0.25 %

Please describe the EXPORT difference

- No difference
- Insignificant or small difference
- Significant difference
- Comparison not made or I do not know

please describe the difference in general seen over all ages or lengths for the CANUM (catch numbers at age or length) and WECA (mean weight at age or length):

- Non or insignificant difference
- Small acceptable difference
- Significant and not acceptable difference
- Comparison not made
- Comparison made a previous year with non or insignificant difference
- Comparison made a previous year with small acceptable difference
- Comparison made a previous year with Significant and not acceptable difference

Describe the comparison? Is the difference acceptable? Will you use InterCatch next year as the only tool

hsdf

There could be many reasons for differences between the data in InterCatch and the assessment data. It does not mean InterCatch is not making the right raising/estimations. The data imported may not be the same or the selected allocations may not be the same or discards may not be raised in the same way.

Please fill in the information in the page about the CATON/weight catch exported out of InterCatch and the other system. InterCatch will automatic fill in the values it has and show the difference, please see above.

## 6 Overviews

### 6.1 Area list

Under main menu item: Overviews | Area list

The screenshot shows a web browser window displaying the InterCatch application. The page title is 'InterCatch > Overviews > Area list Henrik Kjems-Nielsen'. There are navigation tabs for 'Data handling', 'Overviews', and 'Misc'. A summary table shows the following data:

Working year:	Data year:	Stock:	Assignment:	WorkingStatus:	Distribution:	Allocation scheme:
2010	2009	ang-kask	WG	Final	Age	Not set

Below this is the 'Area list' table:

Area ID	Area Name	Assignment	Distribution
43F5	Not Set	IVb	Central North Sea
43F6	Not Set	IVb	Central North Sea
43F7	Not Set	IVb	Central North Sea
I	Barents Sea	FAOarea27	Area Top Level
Ib	Not Set	I	Barents Sea
II	Norwegian Sea Spitzbergen & Bear Island	FAOarea27	Area Top Level
IIa	Norwegian Sea	II	Norwegian Sea Spitzbergen & Bear Island
IIaI	Including Division IIa west of 5 degrees W	IIa	Norwegian Sea
IIaX	Excluding Division IIa west of 5 degrees W	IIa	Norwegian Sea
IIb	Spitzbergen and Bear Island	II	Norwegian Sea Spitzbergen & Bear Island
III	Skagerak Kattegat Sound Belt & Baltic Sea	FAOarea27	Area Top Level
IIIa	Kattegat and Skagerrak	III	Skagerak Kattegat Sound Belt & Baltic Sea
IIIaE	Skagerrak and Kattegat East	IIIa	Kattegat and Skagerrak
IIIaK	Kattegat part of IIIa	IIIa	Kattegat and Skagerrak
IIIaN	Skagerrak part of IIIa	IIIa	Kattegat and Skagerrak
IIIaS	Kattegat part of IIIa	IIIa	Kattegat and Skagerrak
IIIb	Sound	III	Skagerak Kattegat Sound Belt & Baltic Sea
IIIc	Belt Sea	III	Skagerak Kattegat Sound Belt & Baltic Sea
IIId	Baltic Sea	III	Skagerak Kattegat Sound Belt & Baltic Sea
IV	North Sea	FAOarea27	Area Top Level
IVa	Northern North Sea	IV	North Sea
IVaE	Northern North Sea - East	IVa	Northern North Sea
IVaW	Northern North Sea - West	IVa	Northern North Sea
IVb	Central North Sea	IV	North Sea

At the bottom of the table, there is a 'Close' button and a 'back to top' link. The browser status bar shows 'Done, but with errors on page.' and 'Internet'.

To see what areas exist in InterCatch the user can select the main menu item 'Overviews' the only menu item under this is the 'Area list', and see the list above.

If any area needs to be added please contact the ICES Secretariat

## 6.2 Hint to see data

### **Overviews of data sets in work status ‘Trial’ or ‘Final’ location scheme is used**

To see which if there are data sets in work status ‘Trial’ or ‘Final’ or both:

- Go to **menu item: 8. Extract and View Imported Stock/Year Data**

### **Overviews of allocation scheme is used**

To see which allocation scheme has been used to calculate CANUM and WECA for work status ‘Trial’ or ‘Final’ or both:

- Go to **menu item: 12. View Calculated Distributions**

## 7 Change Log

Date	Ver.	Responsible	Page ref.	Change description
25.01.2006	1.0	MZ	All	Document created and written
21.07.2006	1.2	MZ	All	Document updated
23.02.2007	1.3	HKN	All	Document revised and written
27.03.2007	1.31	BMS	1- 52	Document / text revised, needs final decisions and explanations from HKN
02.05.2007	1.4	HKN	1- 52	Document / text revised and updated
28.02.2008	1.5	HKN	All	Rewrite, updated and add.
29.01.2010	1.6	HKN	All	Functionality and menu update and Revision added.
18.01.2011	1.7	HKN	All	Revision manually age or length data editing added. Import of Tuning Fleets, WEST and Maturity under the format Survey and Logbook data. New screen shoots for Advance Data Check. General updates.
31.05.2011	1.8	HKN	55-62, 87-89	Raised discards setup written. Export of 'landings only' added.
07.02.2012	1.9	HKN	55-64	Matching landings and discards and update of all raised discards setup.
10.05.2013	1.10	HKN	48 60-77	Extract copying discard setup and discard groups Grouping of discards.
24.03.2014	1.11	HKN	6, 16-17, 47-49, 90, 104-113, 116-117, 129-131	P 6 insert raise discards. P 16-17 Import species strata compare. P 47-49 Stock compare with previous year. P 53 Update Extract copy allocations. P 90 Auto Allocations. P 104-113 Allocation grouping setup. P 116-117 Update how to finalise. P 129-131 Data status.
27.02.2017	1.12	HKN	14,15,38	Import age data first - length last. Areas are using Arabic numbers.