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**Our Ref: L.27/ACB/AC**

11 September 2015

Subject: Data call 2<sup>nd</sup> revision: All available historical landings and discard data (in length or weight and by gear type) in support of ICES work for the advice on  $F_{MSY}$  proxies for data-limited stocks in ICES categories 3 and 4 that are addressed in WKLIFE V and WKProxy that will take place in 2015.

Dear Reader

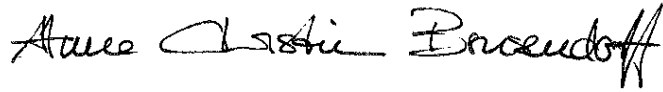
Please find enclosed a revised document and appendices describing the rationale, scope and technical details of this ICES data call for length or weight data for landings and discard for selected data-limited stocks in categories 3 and 4.

The data will be used by ICES workshops and working groups and other future ICES activities in relation to fisheries management advice. The outcomes of these workshops include the basis for ICES advice to fisheries management regarding  $MSY$  proxies for data-limited stocks in Western Waters that is scheduled for release in December 2015. Additional ICES Working Groups may also use the data to further develop fish stock assessment methods for the production of ICES advice.

The data requested will be analyzed and used only for scientific evaluation of the stock status and advice. For countries which are also EU members this data call is under the DCF regulation ((EC) No 199/2008).

In case of questions please contact the ICES Secretariat ([advice@ices.dk](mailto:advice@ices.dk) and [Anne.Cooper@ices.dk](mailto:Anne.Cooper@ices.dk)) for clarification.

Sincerely,

A handwritten signature in black ink that reads "Anne Christine Brusendorff". The signature is written in a cursive style with a large, stylized initial 'A'.

Anne Christine Brusendorff

CC: Carl O'Brien, Manuela Azevedo, Alain Biseau (WKLIFE V and WKProxy co-hairs)

## Data call **2<sup>nd</sup> revision** : Data submission for ICES advisory work

Note that revised content is found in sections noted **\*revised\***

### Scope of the Data call **\*revised\***

ICES Countries are requested to provide all available historical landings and discard data by length\* from all available years and other supporting information\*\* for data-limited stocks in categories 3 and 4. The list of stocks included in the data call is provided in Annex 1, the specified format for uploading landing/discard data is [the InterCatch Exchange Format \(see Annex 2 for details\)](#), and the format for providing “other supporting information” is provided in Annex 3. All countries having catch or landings data on these stocks should submit data.

\* If landings/catch data are not available by length, but they are available by weight, the latter can be submitted. In this case, contact Anne Cooper from ICES secretariat ([Anne.Cooper@ices.dk](mailto:Anne.Cooper@ices.dk) and [advice@ices.dk](mailto:advice@ices.dk)) for further support on submitting data by weight. Note that length data are preferred.

\*\* “Other supporting information” would include information on life history traits, if available, noting that some candidate reference points may require input on  $L_{mat}$  (length at first maturity), growth parameters (e.g.,  $L_{inf}$ , K), and M (natural mortality) (see Annex 3). ICES recognizes that for countries which are also EU members, this type of information is not under the DCF regulation ((EC) No 199/2008). That said, this type of information is important to the delivery of advice associated with this data call. ICES asks that countries report this information if they are aware of it, but it is not obligatory.

### Deadline

The data should be delivered no later than 8<sup>th</sup> October 2015. A failure to comply with the deadline will compromise the ability of ICES to quality check the data, which is essential before the use of said data for the provision of advice and the development of methods for stock assessment. It would be helpful that some data are already available before the start of the Fifth Workshop on the Development of Quantitative Assessment Methodologies based on LIFE-history traits (WKLIFE V) meeting, which will take place 5-9 October. ICES, therefore, kindly asks that priority is given to this data request and effort are made to reach a non-official deadline of 02 October 2015.

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

Role	Name	Email address	Data submission deadline
WKLIFE V chairs	Carl O'Brien Manuela Azevedo	<a href="mailto:carl.obrien@cefas.co.uk">carl.obrien@cefas.co.uk</a> <a href="mailto:mazevedo@ipma.pt">mazevedo@ipma.pt</a>	<b>8.10.2015</b>
WKProxy	Carl O'Brien Alain Biseau	<a href="mailto:carl.obrien@cefas.co.uk">carl.obrien@cefas.co.uk</a> <a href="mailto:abiseau@ifremer.fr">abiseau@ifremer.fr</a>	
WKLIFE V & WKProxy <i>ICES Secretariat contacts</i>	Anne Cooper	<a href="mailto:anne.cooper@ices.dk">anne.cooper@ices.dk</a> <a href="mailto:advice@ices.dk">advice@ices.dk</a>	

### Rationale

The requested data will be used by several ICES workshops and working groups related with the provision of ICES advice. The Fifth Workshop on the Development of Quantitative Assessment Methodologies based on LIFE-history traits, exploitation characteristics, and other key parameters for Data-limited Stocks (WKLIFE V) will take place 05-09 October, 2015; this workshop will develop assessment methodologies for data-limited stocks throughout the ICES area. The Workshop to consider MSY proxies for stocks in ICES category 3 and 4 stocks in Western Waters (WKProxy) will take place 03-06 November 2015; this workshop will implement the methodologies developed at WKLIFE V to produce proxies for  $F_{MSY}$  for ICES stocks categories 3 and 4 in the Western Waters (see species and areas listed in Annex 1). The outcomes of the WKLIFE V and WKProxy will be used as the basis for ICES advice to address an EU request to provide  $F_{MSY}$  proxies for data-

## 20150911\_ICES data call for WKLIFE5\_WKProxy\_2015

limited stocks in the Western Waters, scheduled for December, 2015. The data requested in this data call are required in order to provide advice to respond to the request.

### **Data submission \* revised\***

Based on feedback from data submitters, ICES has revised this data call specification to use the InterCatch Exchange format for landings and discard data.

ICES Countries are requested to supply all available historical landings and discard data (by length or weight and gear type) and other supporting information as specified in Annex 2 and Annex 3 to ICES directly via [accessions@ices.dk](mailto:accessions@ices.dk).

**DO NOT UPLOAD DATA TO INTERCATCH.**

**Annex 1.** List of stocks and areas in the ICES data call for WKLIFE5\_WKProxy\_2015.

Species common name	ICES stock code	Species scientific name	ICES areas included in the stock area
Black bellied anglerfish	Anb-78	<i>Lophius budegassa</i>	Divisions VIIb, VIIc, VIId, VIIE, VIIf, VIIG, VIIH, VIIJ, VIIK, VIIIA, VIIIB, VIIID
White anglerfish	Anp-78	<i>Lophius piscatorius</i>	Divisions VIIb, VIIc, VIId, VIIE, VIIf, VIIG, VIIH, VIIJ, VIIK, VIIIA, VIIIB, VIIID
Black bellied anglerfish	Ang-ivvi	<i>Lophius budegassa</i>	Division IIIa; Sub-areas IV, VI
White anglerfish	Ang-ivvi	<i>Lophius piscatorius</i>	Division IIIa; Sub-areas IV, VI
Greater silver smelt	Arg-123a4	<i>Argentina silus</i>	Sub-areas I, II, IV; Division IIIa
Greater silver smelt	Arg-rest	<i>Argentina silus</i>	Sub-areas VII, VIII, IX, X, XII; Division VIb
Greater silver smelt	Arg-icel	<i>Argentina silus</i>	Sub-area XIV; Division Va
Greater silver smelt	Arg-5b6a	<i>Argentina silus</i>	Divisions Vb, VIa
European seabass	Bss-8ab	<i>Dicentrarchus labrax</i>	Divisions VIIIA, VIIIB
Haddock	Had-iris	<i>Melanogrammus aeglefinus</i>	Division VIIa
Ling	Lin-oth	<i>Molva molva</i>	Divisions IIIa, IVa; Sub-areas VI, VII, VIII, IX, XII, XIV
Megrim	meg-rock	<i>Lepidorhombus</i> spp.	Division VIb
Megrim	mgw-78	<i>Lepidorhombus whiffiagonis</i>	Divisions VIIb, VIIc, VIId, VIIE, VIIf, VIIG, VIIH, VIIJ, VIIK, VIIIA, VIIIB, VIIID
<i>Nephrops</i>	Nep-2021	<i>Nephrops norvegicus</i>	Divisions VIIg, VIIh FU 20 FU 21
<i>Nephrops</i>	Nep-2324	<i>Nephrops norvegicus</i>	Divisions VIIIA, VIIIB FU 23 FU 24
<i>Nephrops</i>	Nep-25	<i>Nephrops norvegicus</i>	Division VIIIC FU 25
<i>Nephrops</i>	Nep-2627	<i>Nephrops norvegicus</i>	Sub-area IXa FU26 Statistical rectangles 13–14 E0–E1  FU 27 Statistical rectangles 6–12 E0; 9–12 E1
Nephrops in South-West and South Portugal (FU 28-29)	Nep-2829	<i>Nephrops norvegicus</i>	Sub-area IXa FU28 Statistical rectangles 3–5 E0–E1  FU29 Statistical rectangles 2 E0–E2
Nephrops in Gulf of Cadiz (FU 30)	Nep-30	<i>Nephrops norvegicus</i>	Sub-area IXa FU30 Statistical rectangles 2–3 E2–E3
Nephrops in the Cantabrian Sea (FU 31)	Nep-31	<i>Nephrops norvegicus</i>	Division VIIIC FU 31
Plaice	Ple-7h-k	<i>Pleuronectes platessa</i>	Divisions VIIH, VIIJ, VIIK
Plaice	Ple-celt	<i>Pleuronectes platessa</i>	Divisions VIIf, VIIG

Species common name	ICES stock code	Species scientific name	ICES areas included in the stock area
Plaice	Ple-iris	<i>Pleuronectes platessa</i>	Division VIIa
Pollack	Pol-celt	<i>Pollachius pollachius</i>	Subareas VI, VII
Sole	Sol-7h-k	<i>Solea solea</i>	Divisions VIIh, VIIj, VIIk
Tusk	Usk-oth	<i>Brosme brosme</i>	Sub-areas IV, VII, VIII, IX; and Divisions IIIa, Vb, VIa, XIIb, VIb
Whiting	Whg-iris	<i>Merlangius merlangus</i>	Division VIIa

Data submitters are welcome to directly contact the stock coordinators while including [anne.cooper@ices.dk](mailto:anne.cooper@ices.dk) in the e-mail correspondence. The contact information for relevant stock coordinators and stock codes are given in Annex 4.

**Annex 2.** Specification of catch data required for the ICES data call for WKLIFE5\_WKProxy\_2015 \* revised\*.

ICES Countries are requested to provide all available historical landings and discard data by length from all available years for selected data-limited stocks in categories 3 and 4 (see Annex 1 for species and area list). If landings/discard data are not available by length, but they are available by weight, please contact [Anne.Cooper@ices.dk](mailto:Anne.Cooper@ices.dk) . Length data are preferred.

The revised specification for this data call is the InterCatch Exchange Format. Do not upload data to InterCatch. Data should only be uploaded to Accessions for this data call.

For more information on InterCatch Exchange formatting, see the ICES Website <http://www.ices.dk/marine-data/data-portals/Pages/InterCatch.aspx> (see image below). Many ICES data submitters use their own scripts to convert data to the InterCatch Exchange format. If you do not have your own script, or access to a working script from another data provider, the weblink given above provides format conversion tools including a Data Submission Workbook, IC Filemaker spreadsheet example, IC Filemaker documentation, and a conversion program to the exchange format spreadsheet. If you need further assistance, contact [Anne.Cooper@ices.dk](mailto:Anne.Cooper@ices.dk) .

The screenshot shows the ICES CIEM website's 'DATA PORTALS' section. The main heading is 'InterCatch'. The page contains several sections: 'InterCatch' (description of the web-based system), 'InterCatch MANUALS' (links to user manual, exchange manual, format overview, survey and logbook format overview, and check-lists), 'CONTACT INFORMATION' (links to data upload and login questions, and other questions), 'CODES AND TEMPLATES' (links to download the Generic SQL Query Template, table of InterCatch codes, and InterCatch codes for use in SQL queries or conversion programs), and 'FORMAT CONVERSION TOOLS' (links to Get InterCatchFilemaker, Get Data Submission Workbook, IC Filemaker documentation, IC Filemaker spreadsheet example, and Get .NET Framework version 1.1). A red box highlights the 'FORMAT CONVERSION TOOLS' section, and two red stars are placed to its right.

**Data submission**

Data should be submitted directly to ICES on a country\*stock\*year of data basis. Each country should upload multiple files for each stock, one for each year of data reporting.

**DO NOT UPLOAD DATA TO INTERCATCH.**

Send all data to [accessions@ices.dk](mailto:accessions@ices.dk) with the subject and file name as follows:

**"Country\_YEAR\_DataCall2015\_DLS\_[stock code]"**

For example:

FRA\_2013\_DataCall2015\_DLS\_anp-8c9a

This file name would correspond to the French data collected in 2013 for the 2015 data call on data-limited stocks for anglerfish in VIIIc and IXa. An additional file would be submitted for the 2014 data,

FRA\_2014\_DataCall2015\_DLS\_anp-8c9a.

\* If landings/discard data are not available by length, but they are available by weight, weight data can be submitted. Please contact [Anne.Cooper@ices.dk](mailto:Anne.Cooper@ices.dk) if submitting weight data. Length data are preferred.

The received files will be made available to the respective stock coordinators, the workshop chairs, and workshop participants.

**Periodicity of reporting \* revised\*.**

Annual reporting of data is acceptable for this data call. If reporting annual data, enter the annual data as if it were quarter 1 data.

**If using the Data Submission Workbook from the ICES website (see below) \* revised\*.**

This workbook is a useful tool for data providers who do not have their own script for producing data in the InterCatch Exchange Format. This workbook is available on the ICES website (see image above), but ICES has not made changes to the content of this spreadsheet for this data call. Therefore, for example, in the CANUM ByLength tab shown below, columns, C, F, I and L, rows 9-11 specify "Numbers at age". ICES is not asking for "Numbers at age" in this data call but "numbers per length class" (see blue arrows). Therefore, ignore "age" in these instances when uploading the length data.

If reporting annual data only, use the Quarter1 columns (C and D) to report the annual data (see red arrow).

CATCH IN WEIGHT AND NUMBER, LENGTH AND WEIGHT AT LENGTH													
Country:	<Country Name>			Area:	<Enter Area>			Landings only: Fill in Landings and Sample Weights. Copy the CANUM Effort if you have discards					
Species:	Ammodytes spp			Fleet:	<Enter Fleet>								
Year:	<Analysis Year>			Prepared (date):	<Date>								
Effort:													
	Quarter 1			Quarter 2			Quarter 3			Quarter 4			
	Numbers at age	Mean Length	Mean Weight	Numbers at age	Mean Length	Mean Weight	Numbers at age	Mean Length	Mean Weight	Numbers at age	Mean Length	Mean Weight	
	(+000)	(cm)	(Kg)	(+000)	(cm)	(Kg)	(+000)	(cm)	(Kg)	(+000)	(cm)	(Kg)	
length													
1													
2													
3													
4													
5													



**Units**

Landings, discards: by number and in kilograms at 1 cm intervals.

Year must be entered as four digits, e.g. "2014".

If submitting data by weight, provide weight intervals and units that are appropriate for the stock.

**Data on landings and discards \* revised\***

When data are submitted via the InterCatch Exchange Format, it is requested to fill in the following sampling information fields for both landing and discard samples:

- Number samples, field: No Samples
- Number measured, field: No. Measured

These cells are specified in all Data Submission Workbook CANUM by Length tabs, as shown with the red arrow below.

119		108			
120		109			
121		110			
122		111			
123		112			
124	+group-->	113			
125	TotalMean -->		na:	na:	na:
126					
127	Official Catch (t)				(t)
128	Unallocated (t)				(t)
129	Area-Misreported (t)				(t)
130	Discards (t)				(t)
131	Sampled Catch (t)				(t)
132	WG Catch (t)				(t)
133			SoP	na	(t)
134			SoP	na	(%)
135					
136	No. Samples				
137	No. Measured				
138					
139					
140	The following are 3 comment fields (max. 250 char). Do NOT use COMMAS "," (commas will ruin the format)				
141	InfoFleet comments				
142	InfoStockCoordinator comments				
143	InfoGeneral comments				
144					

The default units of the samples in the record types "No. Samples" of the species data record should be number of hauls, in any doubt contact the stock coordinator (see contacts in Annex 4). The unit used should be given in the species information field named "InfoStockCoordinatorComments" as shown in the red circle above. The typical entry could be: "Number of hauls" but it could also be "Number of trips" or "Number of boxes". This information allows between-country comparisons of sampling units.

**Zero landings or discards**

If there has been no catch for a specific stock from a country, "zero" comment must be entered into the "InfoGeneral comments" field stating that there was no official catch for an area or species, as shown in the red circle above, to show that data are not missing.

This is also relevant regarding stocks where there has been a fishery, but some quarters or areas have no catches or fishery. E.g. stocks where there are catches in quarter 1, 2 and 4 and not on quarter 3. In case of this example, a catch of zero should be added for quarter 3. Similarly, if discard data are unknown/unavailable there should be no entry for discards. A value of zero should only be entered when zero discards were observed.

**Data on landings and discards by gear class \* revised\***

Report the numbers of fish (for landings and discards separately) by size class (i.e. length or weight) per gear class (e.g. trawl, gillnet) at Level 2 of the defined in the [Commission Decision on the data Collecting Framework \(2010/93/EU\)](#), Appendix IV. Note that the recreational gear class is only applicable for Seabass in this data call.

If using the Data Submission Workbook from the ICES website, the gear class is entered at the top (see red arrow). Note that this data call requests data at Level 2 of the defined in the [Commission Decision on the data Collecting Framework \(2010/93/EU\)](#), Appendix IV. If there are data from more than one level 2 gears, there should be a separate worksheet/tab for each [gear \*area\* landings] and [gear \*area\* discards].

CATCH IN WEIGHT AND NUMBER, LENGTH AND WEIGHT AT AGE															
1													Landings only: Fill in		
2													Landings and Samp		
3													Copy the 'CANUME		
4													If you have discards		
5	Country:	UK(Scotland)					Area:	IIa							
6	Species:	Astacus astacus					Fleet:	OTB_DEF_80-99_0_0							
7	Year:	2012					Prepared (date):	6.2.2013							
8	Effort:														
9				Quarter 1			Quarter 2			Quarter 3			Quarter 4		
10	year		Numbers	Mean	Mean	Numbers	Mean	Mean	Numbers	Mean	Mean	Numbers	Mean	Mean	
11	class	age	at age	Length	Weight	at age	Length	Weight	at age	Length	Weight	at age	Length	Weight	
12	2012	0	(*000)	(cm)	(Kg)	(*000)	(cm)	(Kg)	(*000)	(cm)	(Kg)	(*000)	(cm)	(Kg)	
13	2011	1	795.267	12.6	0.011	16.580	13.0	0.012	0.023	17.3	0.029				
14	2010	2	819.647	19.3	0.043	21.717	20.4	0.054	0.467	19.6	0.048				

**Annex 3.** Specification of data required for the ICES data call for WKLIFE5\_WKProxy\_2015, “Other supporting information”.

ICES Countries are requested to provide all available information on the life history traits of the stocks/species, “Other supporting information”. This would include information on life history traits, if available, noting that some candidate reference points may require input on Lmat (length at first maturity), growth parameters (e.g., Linf, K) and M (natural mortality). *See attached Excel document, titled, “20151109\_Annex3\_ICES2015\_DLS\_DataCall”, for a working copy of the spreadsheet below.*

ICES recognizes that for countries which are also EU members, this type of information is not under the DCF regulation ((EC) No 199/2008). That said, this type of information is important to the delivery of advice associated with this data call. ICES asks that countries report this information if they are aware of it, but it is not obligatory.

**Data submission**

Data should be submitted directly to ICES on a country\*stock\* basis. Send all data to [accessions@ices.dk](mailto:accessions@ices.dk) . One file per country per stock is requested for Annex 3.

**DO NOT UPLOAD DATA TO INTERCATCH.**

**File naming**

Send all data to [accessions@ices.dk](mailto:accessions@ices.dk) with the subject and file name as follows:

**"Country\_DataCall2015\_DLS\_[stock code\_OtherSupportingInformation]"**

For example:

FRA\_DataCall2015\_DLS\_anp-8c9a\_OtherSupportingInformation

**Annex 3, Tab 1, “START HERE”.** This tab provides information on the use of this information for the data call, given that it is not obligatory under the DCF regulation ((EC) No 199/2008) for ICES Countries that are also EU members.

**Annex 3, Tab 2, “NamingFiles”.** This tab explains how to name files for Annex 3. In the example file name would correspond to the Annex3 French submission for the 2015 data call on data-limited stocks for anglerfish in VIIIc and IXa. One file per country per stock is requested for Annex 3.

**Annex 3, Tab 3, “OtherSupportingInformation”.** Fill in the yellow cells, including information on the source or reference of the life history traits.

	Value	Reference	Country code	Stock code	Species code	Comments
Lmat						
Linf						
K						
M						
Unspecified parameter^						
Unspecified parameter^						

^ If information is provided on traits not listed in the template, include them in these rows with the parameter name in the comments column.

**Annex 4.** Contact list for the ICES data call for WKLIFE5\_WKProxy\_2015.

Stock code	Species Common Name	Species Scientific Name	Full stock name	Stock coordinator 1	Assessment coordinator 1
ALL	ALL	ALL	All stocks	Anne Cooper <Anne.Cooper@ices.dk>	
anb-78ab	Black-bellied anglerfish	<i>Lophius budegassa</i>	Black-bellied anglerfish ( <i>Lophius budegassa</i> ) in Divisions VIIb–k and VIIIa,b,d (West and Southwest of Ireland, Bay of Biscay)	Lisa Readdy <lisa.readdy@cefas.co.uk>	Lisa Readdy <lisa.readdy@cefas.co.uk>
ang-ivvi	Anglerfish	<i>Lophiidae</i> ( <i>Lophius budegassa</i> + <i>Lophius piscatorius</i> )	Anglerfish ( <i>Lophius piscatorius</i> and <i>L. budegassa</i> ) in Subareas IV, VI and Division IIIa (North Sea, Rockall and West of Scotland, Skagerrak and Kattegatt)	Liz Clarke <e.d.clarke@marlab.ac.uk>	Liz Clarke <e.d.clarke@marlab.ac.uk>
anp-78ab	White anglerfish	<i>Lophius piscatorius</i>	White anglerfish ( <i>Lophius piscatorius</i> ) in Divisions VIIb–k and VIIIa,b,d (Southern Celtic Seas, Bay of Biscay)	Iñaki Quincoces <iquincoces@azti.es>	Iñaki Quincoces <iquincoces@azti.es>
arg-123a4	Greater silver smelt	<i>Argentina silus</i>	Greater silver smelt ( <i>Argentina silus</i> ) in Subareas I, II, IV and Division IIIa (Northeast Arctic, North Sea, Skagerrak and Kattegat)	Elvar Halldor Hallfredsson <elvarh@imr.no>	Elvar Halldor Hallfredsson <elvarh@imr.no>
arg-5b6a	Greater silver smelt	<i>Argentina silus</i>	Greater silver smelt ( <i>Argentina silus</i> ) in Divisions Vb and VIa (Faroes grounds, West of Scotland)	Lise H. Ofstad <liseo@hav.fo>	Lise H. Ofstad <liseo@hav.fo>
arg-icel	Greater silver smelt	<i>Argentina silus</i>	Greater silver smelt ( <i>Argentina silus</i> ) in Subarea XIV and Division Va (East Greenland, Iceland Grounds)	Bjarki Thor Elvarsson <bthe@hafro.is>	Bjarki Thor Elvarsson <bthe@hafro.is>
arg-rest	Greater silver smelt	<i>Argentina silus</i>	Greater silver smelt ( <i>Argentina silus</i> ) in Subareas VII-X, XII and Division VIb (other areas)	Elvar Halldor Hallfredsson <elvarh@imr.no>	Elvar Halldor Hallfredsson <elvarh@imr.no>

Stock code	Species Common Name	Species Scientific Name	Full stock name	Stock coordinator 1	Assessment coordinator 1
Bss-8ab	Seabass	<i>Dicentrarchus labrax</i>	Seabass ( <i>Dicentrarchus labrax</i> ) in Divisions VIIIa,b (Bay of Biscay North and Central)	Mickael Drogou <Mickael.Drogou@ifremer.fr>	Mickael Drogou <Mickael.Drogou@ifremer.fr>
had-iris	Haddock	<i>Melanogrammus aeglefinus</i>	Haddock ( <i>Melanogrammus aeglefinus</i> ) in Division VIIa (Irish Sea)	Mathieu Lundy <mathieu.lundy@afbini.gov.uk>	Mathieu Lundy <mathieu.lundy@afbini.gov.uk>
lin-oth	Ling	<i>Molva molva</i>	Ling ( <i>Molva molva</i> ) in Subareas VI-IX, XII, and XIV, and in Divisions IIIa and IVa (other areas)	Kristin Helle <kristin.helle@imr.no>	Kristin Helle <kristin.helle@imr.no>
meg-rock	Megrim	<i>Lepidorhombus</i>	Megrim ( <i>Lepidorhombus spp.</i> ) in Division VIb (Rockall)	Norman Graham <norman.graham@marine.ie>	Norman Graham <norman.graham@marine.ie>
mgw-78	Megrim	<i>Lepidorhombus whiffiagonis</i>	Megrim ( <i>Lepidorhombus whiffiagonis</i> ) in Divisions VIIb-k and VIIIa,b,d (West and Southwest of Ireland, Bay of Biscay)	Ane Iriondo (airiondo@azti.es)	Ane Iriondo (airiondo@azti.es)
nep-2021	Norway lobster	<i>Nephrops norvegicus</i>	Norway lobster ( <i>Nephrops spp.</i> ) in Division VIIg,VIIh, FU 20 and FU 21 (Celtic Sea)	Spyros Fifas <spyros.fifas@ifremer.fr>	Spyros Fifas <spyros.fifas@ifremer.fr>
nep-2324	Norway lobster	<i>Nephrops norvegicus</i>	Norway lobster ( <i>Nephrops spp.</i> ) in Division VIIIa and b, FUs 23-24 (Bay of Biscay North and Central)	Spyros Fifas <spyros.fifas@ifremer.fr>	Spyros Fifas <spyros.fifas@ifremer.fr>
nep-25	Norway lobster	<i>Nephrops norvegicus</i>	Norway lobster ( <i>Nephrops spp.</i> ) in Division VIIIc, FU 25 (Bay of Biscay South, North Galicia)	Yolanda Vila <yolanda.vila@cd.ieo.es>	
nep-2627	Norway lobster	<i>Nephrops norvegicus</i>	Norway lobster ( <i>Nephrops spp.</i> ) in Division IXa, FUs 26-27 (Atlantic Iberian Waters East, West Galicia and North Portugal)	Cristina Silva <csilva@ipma.pt>	
nep-2829	Norway lobster	<i>Nephrops norvegicus</i>	Norway lobster ( <i>Nephrops spp.</i> ) in Division IXa, FUs 28-29 (Atlantic Iberian Waters East, Southwest and South Portugal)	Cristina Silva <csilva@ipma.pt>	
nep-30	Norway lobster	<i>Nephrops norvegicus</i>	Norway lobster ( <i>Nephrops spp.</i> ) in Division IXa, FU 30 (Atlantic Iberian Waters East, Gulf of Cadiz)	Yolanda Vila <yolanda.vila@cd.ieo.es>	

Stock code	Species Common Name	Species Scientific Name	Full stock name	Stock coordinator 1	Assessment coordinator 1
nep-31	Norway lobster	<i>Nephrops norvegicus</i>	Norway lobster ( <i>Nephrops spp.</i> ) in Division VIIIc, FU 31 (Bay of Biscay South, Cantabrian Sea)	Yolanda Vila <yolanda.vila@cd.ieo.es>	
ple-7h-k	Plaice	<i>Pleuronectes platessa</i>	Plaice ( <i>Pleuronectes platessa</i> ) in Divisions VIIIh-k (Celtic Sea South, Southwest of Ireland)	Hans Gerritsen <hans.gerritsen@marine.ie>	Hans Gerritsen <hans.gerritsen@marine.ie>
ple-celt	Plaice	<i>Pleuronectes platessa</i>	Plaice ( <i>Pleuronectes platessa</i> ) in Divisions VIIf,g (Bristol Channel, Celtic Sea)	Vladimir Laptikhovsky <Vladimir.Laptikhovsky@cefas.co.uk>	Vladimir Laptikhovsky <Vladimir.Laptikhovsky@cefas.co.uk>
ple-iris	Plaice	<i>Pleuronectes platessa</i>	Plaice ( <i>Pleuronectes platessa</i> ) in Division VIIa (Irish Sea)	Ian Holmes <ian.holmes@cefas.co.uk>	Chris Darby <chris.darby@cefas.co.uk>
pol-celt	Pollack	<i>Pollachius pollachius</i>	Pollack ( <i>Pollachius pollachius</i> ) in Subareas VI-VII (Celtic Seas and the English Channel)	Eric Foucher <eric.foucher@ifremer.fr>	Eric Foucher <eric.foucher@ifremer.fr>
sol-7h-k	Sole	<i>Solea solea</i>	Sole ( <i>Solea solea</i> ) in Divisions VIIIh-k (Celtic Sea South, Southwest of Ireland)	Hans Gerritsen <hans.gerritsen@marine.ie>	Hans Gerritsen <hans.gerritsen@marine.ie>
usk-oth	Tusk	<i>Brosme brosme</i>	Tusk ( <i>Brosme brosme</i> ) in Subareas IV, VII-IX and Divisions IIIa, Vb, VIa, and XIIb (Northeast Atlantic)	Kristin Helle <kristin.helle@imr.no>	Kristin Helle <kristin.helle@imr.no>
usk-rock	Tusk	<i>Brosme brosme</i>	Tusk ( <i>Brosme brosme</i> ) in Division VIb (Rockall)	Kristin Helle <kristin.helle@imr.no>	Kristin Helle <kristin.helle@imr.no>
whg-iris	Whiting	<i>Merlangius merlangus</i>	Whiting ( <i>Merlangius merlangus</i> ) in Division VIIa (Irish Sea)	Sara-Jane Moore <sara-jane.moore@marine.ie>	Sara-Jane Moore <sara-jane.moore@marine.ie>