



EUROPEAN COMMISSION
DIRECTORATE-GENERAL FOR MARITIME AFFAIRS AND FISHERIES

Fisheries Policy Atlantic, North Sea, Baltic and Outermost Regions
Scientific Advice and Data Collection

WKF 3/21/22

SPECIFIC GRANT AGREEMENT NO SI2.869124

UNDER THE FPA/MARE/ 2018/ ICES

This Specific agreement ("the Specific agreement") is concluded between the following parties:

on the one part,

The **European Union** ("the Union"), represented by the European Commission ("the Commission"), represented for the purposes of signature of this Specific agreement by **Mr Fabrizio DONATELLA**, Director for Directorate C: Fisheries Policy Atlantic, North Sea, Baltic Sea and Outermost regions,

and

on the other part,

"the Partner"

International Council on the Exploration of the Seas - ICES

Intergovernmental Organisation with legal personality

Entity registration number: 12063814

H.C. Andersen Boulevard 44-46, 1553 Copenhagen V, Denmark

represented for the purposes of signature of the Specific agreement by the ICES President, **Mr William KARP**.

The parties referred to above

HAVE AGREED

To the Specific agreement and the following annexes:

Annex I Description of the action

Wk 3/21/22

ARTICLE 1 – SUBJECT MATTER OF THE SPECIFIC AGREEMENT

The Specific agreement is concluded in the context of the partnership established between the parties. It is drawn up in accordance with the relevant terms of Framework partnership agreement No FPA/MARE/2018/ICES signed between the Commission and the partner on 10 January 2019 (Ref. Ares(2019)340126, reg. 21/01/2019), amended on 21 February 2022 (Ref. Ares(2022)1292573) ("the Framework agreement").

The Commission has decided to award a grant ("specific grant for an action"), under the terms and conditions set out in the Specific agreement and the Framework agreement, for the action entitled **ICES scientific advice** ("the action") as described in Annex I.

By signing the Specific agreement, the partner accepts the grant and agrees to implement the action in accordance with the terms and conditions of the Specific agreement and the Framework agreement, acting on its own responsibility.

ARTICLE 2 – ENTRY INTO FORCE AND IMPLEMENTATION PERIOD OF THE SPECIFIC AGREEMENT

2.1 The Specific agreement enters into force on the date on which the last party signs.

2.2 The action runs for 12 months starting on 1 January 2022.

ARTICLE 3 – MAXIMUM AMOUNT AND FORM OF GRANT

3.1. The maximum amount of the grant is XXXXXXXXXXXX

3.2. The grant takes the form of:

(a) The reimbursement of 60,79% of the eligible costs of the action ("reimbursement of eligible costs"), which are estimated at XXXXXXXXX and which are:

(i) actually incurred during the implementation period specified in Article 2 ("reimbursement of actual costs") for the following categories of costs for the partner: direct eligible costs and indirect eligible costs (indirect costs are declared on the basis of a flat rate of 7% of the total eligible direct costs)

(ii) reimbursement of unit costs: not applicable

(iii) reimbursement of lump sum costs: not applicable

(iv) reimbursement of flat-rate costs: not applicable

(v) reimbursement of costs declared on the basis of the partner's usual cost accounting practices: not applicable

- (b) unit contribution: not applicable
- (c) lump sum contribution: not applicable
- (d) flat-rate contribution: not applicable

ARTICLE 4 – REPORTING, REQUEST FOR PAYMENTS AND SUPPORTING DOCUMENTS

4.1 Reporting periods

The action is divided into the following reporting periods:

- Reporting period 1: from month 1 to month 6
- Reporting period 2: from month 7 to month 12

4.2 Request for second pre-financing payment and supporting documents

The partner must submit a request for second pre-financing payment within 60 calendar days following the end of the first reporting period.

The request must be accompanied by the following documents:

- (a) a progress report on the implementation of the action (**‘technical report on progress’**);
- (b) a statement on the amount of the previous pre-financing instalment used to cover costs of the action (**‘statement on the use of the previous pre-financing instalment’**).

4.3 Request[s] for interim payment[s] and supporting documents

Not applicable

4.4 Request for payment of the balance and supporting documents

The partner must submit a request for payment of the balance within 60 calendar days following the end of the last reporting period.

This request must be accompanied by the following documents:

- (a) a final report on implementation of the action (**‘final technical report’**), drawn up in accordance with Annex IV of the Framework agreement, containing:

- (i) the information needed to justify the eligible costs declared or the contribution requested on the basis of unit costs and lump sums (where the grant takes the form of the reimbursement of unit or lump sum costs or of a unit or lump sum contribution, as provided for in Article 3.2(a)(ii) and (iii), (b) or (c));
 - (ii) information on subcontracting as referred to in Article II.11.1(d)(ii) of the Framework agreement;
- (b) a final financial statement (**‘final financial statement’**). The final financial statement must include a consolidated statement and a breakdown of the amounts claimed by the partner and its affiliated entities. ⁴
The final financial statement must be drawn up in accordance with the structure of the estimated budget set out in Annex II of the Specific agreement and in accordance with Annex V of the Framework agreement and detail the amounts for each of the forms of grant set out in Article 3.2 for the last reporting period;
- (c) a summary financial statement (**‘summary financial statement’**).
This statement must include a consolidated financial statement and a breakdown of the amounts declared or requested by the partner and its affiliated entities, aggregating the financial statements already submitted previously and indicating the receipts referred to in Article II.25.3 of the Framework agreement for the partner and its affiliated entities.
The summary financial statement must be drawn up in accordance with Annex V of the Framework agreement;
- (d) a certificate on the financial statements and underlying accounts (**‘certificate on the financial statements’**) for the partner and for each affiliated entity, if:
- (i) the cumulative amount of payments the partner requests as reimbursement of actual costs as referred to in Article 3.2(a)(i) (and for which no certificate has yet been submitted) is XXXXXXXXX or more; and
 - (ii) the maximum grant amount indicated for the partner and its affiliated entities in the estimated budget as reimbursement of actual costs is XXXXXXXXX or more.

4.5 Information on cumulative expenditure incurred

Not applicable

4.6 Currency for requests for payment and financial statements and conversion into euro

Requests for payment and financial statements must be drafted in euros.

The partner and affiliated entities with general accounts in a currency other than the euro must convert costs incurred in another currency into euros at the average of the daily exchange rates published in the C series of the Official Journal of the European Union (available at <http://www.ecb.europa.eu/stats/exchange/eurofxref/html/index.en.html>), determined over the corresponding reporting period.

If no daily euro exchange rate is published in the Official Journal of the European Union for the currency in question, conversion must be made at the average of the monthly accounting rates established by the Commission and published on its website (http://ec.europa.eu/budget/contracts_grants/info_contracts/inforeuro/inforeuro_en.cfm), determined over the corresponding reporting period.

The partner and affiliated entities with general accounts in euros must convert costs incurred in another currency into euros in accordance with their usual accounting practices.

4.7 Language of: requests for payments, technical reports and financial statements

All requests for payments, technical reports and financial statements must be submitted in English.

ARTICLE 5 — PAYMENTS AND PAYMENT ARRANGEMENTS

5.1 Payments to be made

The Commission must make the following payments to the partner:

- a first pre-financing payment;
- a second pre-financing payment, on the basis of the request for the second pre-financing payment referred to in Article 4.2;
- one payment of the balance, on the basis of the request for payment of the balance referred to in Article 4.4.

5.2 Pre-financing payments

The aim of the pre-financing is to provide the partner with a float. The pre-financing remains the property of the Union until it is cleared against interim payments or, if it is not cleared against interim payments, until the payment of the balance.

The Commission must make a first pre-financing payment of XXXXXXXXXX (40%) to the partner within 30 calendar days from the entry into force of the Specific agreement, except if Article II.24.1 of the Framework agreement applies.

The Commission must make a second pre-financing payment of XXXXXXXXXX (40%) to the partner within 60 calendar days from when the Commission receives the request for

second pre-financing payment referred to in Article 4.2, except if Article II.24.1 or II.24.2 of the Framework agreement apply.

If the statement on the use of the previous pre-financing instalment submitted in accordance with Article 4.2 shows that less than 70 % of the previous pre-financing instalment paid has been used to cover costs of the action, the amount of the new pre-financing to be paid must be reduced by the difference between the 70 % ceiling and the amount used.

5.3 Interim payment[s]

Not applicable

5.4 Payment of the balance

The payment of the balance reimburses or covers the remaining part of the eligible costs incurred by the partner for the implementation of the action.

If the total amount of earlier payments is greater than the final amount of the grant determined in accordance with Article II.25 of the Framework agreement, the payment of the balance takes the form of a recovery as provided for by Article II.26 of the Framework agreement.

If the total amount of earlier payments is lower than the final amount of the grant determined in accordance with Article II.25 of the Framework agreement, the Commission must pay the balance within 60 calendar days from when it receives the documents referred to in Article 4.4, except if Article II.24.1 or II.24.2 of the Framework agreement apply.

Payment is subject to the approval of the request for payment of the balance and of the accompanying documents. Their approval does not imply recognition of the compliance, authenticity, completeness or correctness of their content.

The Commission determines the amount due as the balance by deducting the total amount of pre-financing and interim payments (if any) already made from the final amount of the grant determined in accordance with Article II.25 of the Framework agreement.

The amount to be paid may, however, be offset, without the partner's consent, against any other amount owed by the partner to the Commission or to an executive agency (under the EU or Euratom budget), up to the maximum amount of the grant.

5.5 Notification of amounts due

The Commission must send a formal notification to the partner:

- (a) informing it of the amount due; and
- (b) specifying whether the notification concerns a further pre-financing payment, an interim payment or the payment of the balance.

For the payment of the balance, the Commission must also specify the final amount of the grant determined in accordance with Article II.25 of the Framework agreement.

5.6 Interest on late payment

If the Commission does not pay within the time limits for payment, the partner is entitled to late-payment interest at the rate applied by the European Central Bank for its main refinancing operations in euros ('the reference rate'), plus three and a half points. The reference rate is the rate in force on the first day of the month in which the time limit for payment expires, as published in the C series of the Official Journal of the European Union.

Late-payment interest is not due if the partner is a Member State of the Union (including regional and local government authorities and other public bodies acting in the name of and on behalf of the Member State for the purpose of the Framework agreement and the Specific agreement).

If the Commission suspends the time limit for payment as provided for in Article II.24.2 of the Framework agreement or if it suspends payments as provided for in Article II.24.1 of the Framework agreement, these actions may not be considered as cases of late payment.

Late-payment interest covers the period running from the day following the due date for payment, up to and including the date of actual payment as established in Article 5.8. The Commission does not consider payable interest when determining the final amount of grant within the meaning of Article II.25 of the Framework agreement.

As an exception to the first subparagraph, if the calculated interest is lower than or equal to EUR 200, it must be paid to the partner only if the partner requests it within two months of receiving late payment.

5.7 Currency for payments

The Commission must make payments in euros.

5.8 Date of payment

Payments by the Commission are considered to have been carried out on the date when they are debited to its account.

5.9 Costs of payment transfers

Costs of the payment transfers are borne as follows:

- (a) the Commission bears the costs of transfer charged by its bank;
- (b) the partner bears the costs of transfer charged by its bank;

(c) the party causing a repetition of a transfer bears all costs of repeated transfers.

5.10 Payments to the partner

The Commission must make payments to the partner.

Payments to the partner discharge the Commission from its payment obligation.

ARTICLE 6 – BANK ACCOUNT FOR PAYMENTS

All payments must be made to the partner's bank account as indicated below:

XXXXXXXXXXXXXXXXXX

Precise denomination of the account holder: International Council for the Exploration of the Seas

Full account number (including bank codes): XXXXXXXXXXXXXXXXXXXX

XX

ARTICLE 7 - COMMUNICATION DETAILS OF THE PARTIES

7.1 Communication details of the Commission

Any communication addressed to the Commission must be sent to the following address:

European Commission
Directorate-General MARE
Directorate Fisheries policy Atlantic, North Sea, Baltic Sea and Outermost regions
Unit C3 Scientific Advice and Data Collection
99, Rue Joseph II, 1049 Brussels, Belgium
Email address: MARE-SCIENTIFIC-ADVICE@ec.europa.eu

Any communication addressed to the Commission for the purposes of payment must be sent to the following address:

European Commission
Directorate General for Maritime Affairs and Fisheries
General Affairs and Resources
Unit E1- Budget, Audit and Public Procurement
99, Rue Joseph II, 1049 Brussels, Belgium
B-1049 Brussels, Belgium

7.2 Communication details of the partner

Any communication from the Commission to the partner must be sent to the following address:

Ms Lotte Worsoe Clausen
Head of Advisory Support
International Council on the Exploration of the Seas
H.C. Andersenboulevard 44-46, 1553 Copenhagen V., Denmark
Lotte.worsoe.clausen@ices.dk

7.3 Communication details of the partner after payment of the balance

After the payment of the balance, any communication addressed to the partner must be sent to its legal address as specified in the "beneficiary Register".

ARTICLE 8 – SPECIAL PROVISIONS ON BUDGET TRANSFERS INVOLVING USE OF PROVISIONS FOR FOREIGN EXCHANGE LOSSES

As an exception to the first subparagraph of Article II.22 of the Framework agreement, any use of the provisions for foreign exchange losses included in the estimated budget in Annex II must be communicated by the partner and approved by the Commission.

SIGNATURES

For the partner

For the Commission

William KARP

Fabrizio DONATELLA



Qualified electronic signature by:

FABRIZIO DONATELLA

Date: 2022-04-01 17:35:19 +02:00

[signature]

[signature]

Done at COPENHAGEN, on 3/21/22

Done at Brussels, on

In duplicate in English

UK

STANDARD GRANT APPLICATION FORM FOR

GRANT FOR AN ACTION

(Monobeneficiary)

PROGRAMME CONCERNED

Grant under Scientific Advice and Knowledge/Action grant without a call for proposals (Mono-beneficiary) under a Framework Partnership Agreement (FPA)

[REFERENCE NUMBER OF THE CALL FOR PROPOSALS]

Not Applicable

SUMMARY OF THE APPLICATION

Title: Advisory deliverables provided by the International Council for the Exploration of the Sea (ICES)

Identity of the applicant: International Organisation

Summary of the action: *This action outlines the annual advisory products provided to the EC, DGMARE from ICES related to Fisheries Management.*

Duration (in months): 01.01.2022 to 31.12.2022

Requested amount (in €): XXXXXXXXXX

Position/Function: Head of the Advice Department	
Telephone: +45 33 38 67 21	Mobile: +45 21 36 28 04
Fax:	
E-mail address: lotte.worsoe.clausen@ices.dk	
1.4 LEGAL REPRESENTATIVE (PERSON AUTHORISED TO SIGN THE AGREEMENT)	
Family name: Karp	First Name: William
Position/Function/Mandate: ICES President	
Telephone:	Mobile:
Fax:	
E-mail address: bill.karp@ices.dk	

2. BANK DETAILS

The bank details are will be] attached in the Bank Account Form (BAF) [in the annex]

3 PROFILE OF THE APPLICANT
3.1 PROFILE OF THE APPLICANT — GENERAL AIMS AND ACTIVITIES
[Year of foundation]:
The applicant shall state his legal status by ticking one or several options
<input type="checkbox"/> Public body <input checked="" type="checkbox"/> International Organisation
<input checked="" type="checkbox"/> Non-profit making organisation <input type="checkbox"/> Social Partner
<input type="checkbox"/> Educational and training establishment <input type="checkbox"/> Research Centre/Institute
<input type="checkbox"/> Other (please specify) <input type="checkbox"/> SME
<input type="checkbox"/> Natural Persons
<p>The applicant should provide a short description of the organisation/group including affiliated entities. Where appropriate include information on membership, with respect to the eligibility criteria indicated in the specific call.</p> <p>The International Council for the Exploration of the Sea (ICES) is an intergovernmental marine science organization, meeting societal needs for impartial evidence on the state and sustainable use of our seas and oceans. ICES responds to requests for advice from ICES member countries, international commissions and organizations, and fisheries and ecosystem management bodies.</p>

4 INFORMATION ON THE GOVERNANCE OF THE APPLICANT	
4.1 APPLICANT'S STRUCTURE	
List the organisations and/or natural persons holding capital or shares in the applicant, where appropriate specifying the proportion held (insert rows if necessary)	
Organisation/Natural person	Proportion held
Member countries: ICES has 20 member countries: Belgium, Canada, Denmark, Estonia, Finland, France, Germany, Iceland, Ireland, Latvia, Lithuania, the Netherlands, Norway, Poland, Portugal, Russian Federation, Spain, Sweden, United Kingdom, and the United States of America	
4.2 APPLICANT'S MANAGEMENT	
List the members of the applicant's managing board or equivalent body, specifying their profession and position (insert rows if necessary)	
Member	Profession/Position
William Karp	President
Carl O'Brien	First Vice president
Piotr Margonski	Vice president
Gerd Kraus	Vice president
Manuela Azevedo	Vice president
Per Sandberg	Vice president
Pierre Petitgas	Vice president

II. OPERATIONAL AND FINANCIAL CAPACITY

1 OPERATIONAL CAPACITY

1.1 OPERATIONAL CAPACITY TO COMPLETE THE PROPOSED ACTION OF THE APPLICANT

The applicant should provide: a description of its relevant competences and previous experiences as well as those of the key staff who will be involved in the project (according to their profiles or CVs) as a proof of its capacity to implement the action effectively.

ICES has provided advice to the European Commission, DGMARE for more than 30 years and has through this time been the sole advisory body concerning advice for fisheries management.

The ICES structure which outlines the full capacity of the organisation can be found here: [Welcome to ICES](#)

2 FINANCIAL CAPACITY

LEGAL NOTICE

This section should not be filled in by applicants who are natural persons in receipt of scholarships or natural persons most in need and in receipt of direct support.

For grants of or below EUR 60 000 as well as for grants to public bodies and international organisations the only supporting document to be required is the Declaration of Honour provided in section 5.

Where the application concerns grants for an action for which the amount exceeds EUR 750 000, or operating grants which exceed EUR 100 000, an audit report produced by an approved external auditor must be submitted, [except for education and training establishments and, in case of agreements with a number of beneficiaries, beneficiaries who have accepted joint and several liabilities or who do not bear any financial responsibility]. This report shall certify the accounts for the last financial year available.

2.1 PROOF OF FINANCIAL CAPACITY OF THE APPLICANT

The applicant should provide the following document[s] as evidence of financial capacity:

- *Appropriate statement from banks or tax declaration or evidence of professional risk indemnity insurance (to be provided by natural persons).*
- *Balance sheets or extracts from balance sheets for the last financial year for which the accounts have been closed.*
- *Profit and loss account for the last financial year for which the accounts have been closed. For newly created entities, the business plan will replace closed accounts.*

or

2.1 FINANCIAL CAPACITY OF THE APPLICANT

The applicant must show that it has sufficient and stable sources of funding to carry out the action throughout the entire period for which the action is planned and to participate in its funding. The indicators refer to the last two financial years for which accounts have been closed.

	2020	2019
Turnover or equivalent	XXXXXXXX	XXXXXXXX
Gross operating profit	XXXXXXXX	XXXXXXXX
Total liabilities	XXXXXXXX	XXXXXXXX
Equity or equivalent	XXXXXXXX	XXXXXXXX
Current asset	XXXXXXXX	XXXXXXXX
Short-term debt (< 1 year)	XXXXXXXX	XXXXXXXX
Total payroll	XXXXXXXX	XXXXXXXX

3 GUARANTEES GRANTED BY THIRD PARTIES

(if any – the applicants should state the presence of any guarantees which is provided by one or more third party, for example a State guarantee)

N/A

III. INFORMATION ON THE ACTION FOR WHICH THE GRANT IS REQUESTED

1 DESCRIPTION OF THE ACTION
<p>Title: Advisory deliverables provided by the International Council for the Exploration of the Sea (ICES)</p>
<p>Reference: FPA/MARE/2018/ICES</p>
<p>a) Describe the general and specific objectives that the action aims to achieve:</p> <p>ICES will develop advisory deliverables in the context of public policies mentioned in this FPA between ICES and the EC. ICES will provide advisory deliverables which are independent of political influence and subject to best international quality procedures for research and research-based advisory deliverables. The technical basis for the advisory deliverables and the process through which it is produced will be transparent and impartial. The quality of the technical basis will be ensured through internal and external peer review. All advisory deliverables will contain reference to the relevant background analysis documentation, including expert reports, which include information about all the peer reviews undertaken and the result of such reviews.</p> <p>Union funding will be displayed on the recurrent advice in a footer where all ICES' Clients are mentioned and on non-recurrent advice in the description of the requested advice. The wording will be: "<i>ICES advice as adopted by its advisory committee (ACOM) is developed upon request by ICES' Clients (the European Union, NASCO, NEAFC, Iceland, Norway and United Kingdom).</i>" This satisfies Article 1.5 in the FPA between the EU Commission and ICES.</p> <p>The advisory deliverables are in the following structured into 2 overarching work packages, recurrent advice and non-recurrent advice.</p> <p>The deliverables will be delivered in accordance with the agreed timeline. If the agreed timeline cannot be achieved or postponing would result in deliverables of better quality, the Commission will be consulted on the amendment of the timeline.</p> <p style="text-align: center;"><u>Work package 1: Recurrent advice</u></p> <p>This work package is split into 3 sub-work packages encompassing all recurrent advice deliverables (WP1.1), the quality assurance framework behind all advice products (WP1.2) as well as the data and information management part of the advisory work (WP1.3):</p> <p>WP 1.1 Advice deliverables</p> <ul style="list-style-type: none"> • Del 1.1.1: Recurrent single stock advice deliverables • Del 1.1.2: Mixed fisheries scenarios • Del 1.1.3: Fisheries and Ecosystem Overviews • Del 1.1.4: Re-opening procedure • Del 1.1.5: Seabass tool • Del 1.1.6: Presentation of advice to ACs and EC structures <p>WP 1.2 Quality assurance of advice deliverables</p> <ul style="list-style-type: none"> • Del 1.2.1: Web based stock status (SAG, SID) • Del 1.2.2: Web based recalculation of assessment (TAF) • Del 1.2.3: 2 year forecast of planned benchmarks • Del 1.2.4: RCG feedback and interaction, including SharePoint sites • Del 1.2.5: End user feedback to Liaison Meetings, STECF and JRC <p>WP 1.3 Data and Information Management of advisory deliverables</p>

- Del 1.3.1: Complete data records (DATRAS, RDBES, InterCatch, Catch stats, TAF, SAG)
- Del 1.3.2: Data calls (SID, Accessions, DATRAS, RDBES)

Work package 2: Special Requests – non-recurrent advice

This work package encompasses all non-recurrent advice requests from DG Mare. Each deliverable will thus be a specific special request with the associated process and deliverables.

To address requests for advice ICES is dependent on the clients having clearly defined the question(s) to be addressed along with the objectives and criteria to be considered so that the advice is appropriately developed. An important element of the advisory process is therefore the dialogue with the clients to achieve a common understanding on how to interpret the requests, the type of advice the clients expect, and what ICES can deliver.

b) Describe the work programme (on the basis of the main activities planned) and where it will be implemented

Work package 1: Recurrent advice

Work package 1.1 Advice deliverables

The advisory deliverables are divided into specific deliverables as described below. Each deliverable is thus an advice product and underpinned by the deliverables in Work packages 1.2 and 1.3.

Deliverable 1.1.1: Recurrent single stock advice deliverables

The EC will receive management advice on fishing opportunities and associated conditions (e.g. technical measures, inter-linked environmental) where relevant for the commercial fishery and for recreational catches or fisheries, for the stocks and areas indicated in Annex III with reference to the policy basis for that advice. The formal advice shall stand out on the front page of the advice document. The policy basis is defined by the CFP Basic Regulation 2013/1383, which sets the general MSY target and by the relevant Multiannual Management Plans agreed at EU level, notably the Baltic, North Sea and Western Waters MAPs.

ICES will provide the advice expressed in catches. Where relevant, ICES will provide information on the corresponding expected landings and discards.

Where an EU Multi-Annual Plan is in force or enters into force before the release of the advice for all stocks that are defined as targeted stocks in these plans, the headline advice will be for TACs corresponding to ranges of FMSY where such ranges are available and an indication of the catches corresponding to FMSY point value (see Annex III for details).

For stocks that are covered by an EU Multi-Annual Plan but which are not defined as targeted stocks, the headline advice will be based on the MSY approach, where available.

For stocks not covered by an EU Multi-Annual Plan and subject to an Advisory Council management plan or a management plan by a particular EU MS that has been assessed by ICES and evaluated as precautionary, the management plan TAC should be included in the catch scenarios table. The MSY approach shall remain in the headline advice.

For stocks that are under shared management between the EU and third countries the ICES advice rules are followed for the headline advice if the relevant management parties/authorities have agreed on a management plan or strategy and the plan/strategy has been evaluated by ICES to be consistent with the precautionary approach, ICES will provide advice in accordance with the plan/strategy. If no management plan/strategy has been agreed by all relevant management parties/authorities or the agreed plan/strategy has been evaluated by ICES not to be consistent with the precautionary approach, ICES will provide advice applying the ICES MSY advice rule if possible or the precautionary approach if the information on the stocks is insufficient to support the MSY rule. For such stocks under shared management that are

also covered by an EU Multi-Annual Plan, ICES will include the following sentence in the headline advice: 'ICES notes the existence of a precautionary management plan developed and adopted by one/some of the relevant management authorities for this stock.' In these cases, ICES will include a sentence in the relevant part of the summary sheet stating the FMSY_{upper}, FMSY_{point} and FMSY_{lower} values according to the EU MAP in question. ICES will supply an overview of current known management strategies and plans by stock in start-January for confirmation, and it will communicate the results of this consultation.

For stocks for which advice will be provided less frequently than the yearly basis, the management advice will introduce figures for each of the years for which the advice is valid.

For stocks where the SSB is below MSY Btrigger but the upper uncertainty bound of SSB is above MSY Btrigger, ICES will include, where possible, a catch scenario that, when applied, would keep the SSB stable. ICES will only include such a scenario in cases where the catch advice under this scenario would be in line with MSY and/or precautionary advice, depending on the category of the stock.

For long lived stocks, classified under category 1 and 2, with analytical assessment, ICES will provide where available the resulting figures of the probability of SSB < Blim, in addition to the median value of the forecasted SSB, for the years included in the catch table option.

Where recreational fisheries take a significant part of the catches, scenarios referred to above shall be calculated assuming that changes in fishing mortality are caused by the commercial fishery alone, the recreational fishery alone and a combination of the two. In these cases, the gears responsible for significant recreational catches should be identified, and when possible, some estimate of the magnitude or relative proportion of their catches should be also provided. In addition, in the light of available information, ICES will review and incorporate in its stock assessment exercises management measures and options agreed and/or implemented in regulatory arrangements concerning stocks and fisheries and will comment on their contribution to reaching MSY objectives.

For non-TAC regulated species, no specific catch advice is requested by the EU. The advice will thus be limited to the stock status and information on catches. The relevant stocks and exceptions to this approach are set out in Annex III.

For stocks with no analytical assessment, ICES will use the available data, together with the basic fisheries population dynamics principles, information from comparable cases and best available science in order to provide the best possible advice on fishing opportunities, corresponding to agreed management objectives.

For stocks where ICES indicates that information is insufficient to carry out the analyses to provide the advice as agreed with the EC, ICES will inform the EC of the insufficiencies with the aim to enable ICES to carry out the required analyses. This will include information on research needs or missing data that will improve the quality of the scientific advisory deliverables related to stock assessments.

Supportive information to the assessment and advice will be the following:

- 1) Information about the level of confidence in the parameters underlying the scientific advisory deliverables and the origins and causes of the main uncertainties in the information available (e.g. data quality, data availability, gaps in methodologies and knowledge) which have been taken into account for the assessment and the advice;
- 2) A full methodological description of the biomass distribution when a stock is distributed in several management areas

Considering that ICES stock areas do not always match the management units, ICES will provide the EC with supplementary information on fishing opportunities being consistent with the advice in support of management. To this aim, ICES will apply the following guidelines:

- 3) If the ICES stock area is identical to the management unit, the advice in support of management applies directly to the management unit.

- 4) If more than one stock is merged into one management unit, fishing opportunities computed for the management unit will be equal to the sum of the advice in support of management for individual stocks – possibly with a requirement for additional measures to prevent disproportionate (unsustainable) harvest on any single stock within the management unit.
- 5) If the ICES stock area covers more than one management unit, the sum of fishing opportunities computed for each management unit and/or management species (or species group) should not exceed the advice in support of management for the stock.
- 6) If the ICES stock areas and management units do not map in either way as described above, specific distributions of stocks need to be identified.

For situations 4-6 above, ICES can provide information regarding individual stocks and individual management units provided that the EC has provided guidance on the principles to be used for such calculations in each case. If the EC is not in a position to provide guidance on the principles ICES may provide the information assuming the same distribution of catches by stock and unit as observed in recent years. Species and management areas where ICES is requested to provide this additional information on fishing opportunities consistent with the stock management advice are listed in table b of Annex III.

Deliverable 1.1.2 Mixed-fisheries scenarios

ICES will provide the EU with illustrative scenarios for mixed fisheries, where possible, for all relevant species and areas for which appropriate models are available, consisting of sets of catch scenarios consistent with the objectives of the CFP. ICES will take the single stock advice into account when preparing its mixed-fisheries advice, with the aim of ensuring maximum coherence between the two. ICES will also strive to produce mixed fisheries scenarios for following areas: North Sea, Celtic Sea, Bay of Biscay and Southern Iberian waters by the end of November. ICES will liaise with the Commission sufficiently in advance in case it is not able to meet these deadlines. Further explorations and development of mixed fisheries scenarios will be undertaken to assess the feasibility of producing earlier mixed fisheries scenarios in the future for certain stocks and areas. The EU needs further development of mixed fisheries science to consider for example, changes in selectivity patterns and sensitivity of the advice to fleet and metier. Work to expand to other sea basins, e.g. West of Scotland and Irish Sea should also be continued. These explorations will be done under a non-recurrent request. The EU needs further development of mixed fisheries science.

Deliverable 1.1.3 Fisheries and Ecosystem overviews

Advice on fishing opportunities will be delivered in the context of an ecosystem approach that is consistent with the objectives as formulated in relevant EU policies (i.e. CFP and MSFD). The ecosystem approach is being implemented incrementally in the advice on fishing opportunities and will be supported by information and advice provided in Fisheries Overviews, Ecosystem Overviews and Aquaculture Overviews.

Specifically, ICES will, to the extent possible:

- 1) Provide an updated web-based overview of the status of each assessed stock.
- 2) Advise the EC on any significant impact of factors and changes in the marine ecosystem structure or functioning that significantly impact fish and shellfish stocks and their long-term exploitation;
- 3) ICES will provide, on the basis of data provided by Member States and any other relevant data sources, annual estimates of the numbers of specimens of sensitive species (as defined in Article 6(8) of Regulation (EU) 2019/1241), disaggregated by sea area and type of fishing gear. These estimates shall be accompanied with evaluations or estimates of their accuracy where possible. They shall be provided by December each year and shall cover incidental catches made until 31 December of the previous year. ICES shall progressively accompany these estimates with calculated values of potential biological removal (PBR), or alternative markers of sustainability where appropriate. ICES should include evaluations of selectivity measures in place, where appropriate.
- 4) ICES will, to the extent possible, provide information regarding the impact of fisheries on ecosystems and habitats.
- 5) ICES will provide warnings of any serious threats (i.e. if there is at this moment, a threat to the abundance posing a risk so serious that it would be unwise to postpone action) from fishing

activities alone or in conjunction with any other relevant activity to local ecosystems or species as soon as ICES is aware of such threats.

- 6) Provide an overview of the mixed fisheries considerations on a regional level.
- 7) Identify existing inter-species and intra-species interaction of relevance to the fisheries management and the existing management strategy (and consequently the advisory deliverables). ICES will develop a roadmap for addressing inter-species and intra-species interaction of relevance to the implementation of the Multi Annual Plans for the Baltic Sea, North Sea and Western Waters.
- 8) Describe the biological interactions between fish stocks and with the marine ecosystem of relevance for management of the fisheries.
- 9) Where the available monitoring data and information is not adequate to allow ICES to complete these tasks, ICES shall advise, where possible, on the remedial measures necessary to obtain the required information.

Deliverable 1.1.4 Re-opening procedure

When criteria for a re-opening procedure are met, ICES will provide in-year re-assessments for the following 8 North Sea stocks: Cod in Subarea 4, Division 7.d and Subdivision 20; Haddock in Subarea 4 and Division 6.a and Subdivision 20; Saithe in Subarea 4, 6 and Division 3.a; Whiting in Subarea 4 and Division 7.d; Nephrops in FU6; Nephrops in FU7; Nephrops in FU8 and Nephrops in FU9. These assessments will be provided as soon as possible, depending on the availability of the surveys.

The re-assessments will be carried out following procedures adopted by ICES ([process procedure](#)) including updates when ICES considers that newly available data will significantly change conclusions of the stock size or the advice on fishing possibilities. In the case that such updates may be relevant due to data from one or more countries not being available for the initial advice, there will be a specific agreement between ICES and the EC on whether an update will be required.

Deliverable 1.1.5 Seabass tool

ICES will annually update the seabass tool that was introduced in 2019 (<https://ices- taf.shinyapps.io/scabass-management-tool-AGE/>) to reflect the most recent available data on seabass (*Dicentrarchus labrax*) catches in divisions 4.b–c, 7.a, and 7.d–h (central and southern North Sea, Irish Sea, English Channel, Bristol Channel, and Celtic Sea). The seabass tool was built upon the legislation in place in 2019, should this legislation change, ICES cannot readily update the seabass tool and an updated version of the tool must be requested. This request can either be a unilateral request by the EU or a jointly request by the EU and UK (done by the Specialised Fisheries Committee). ICES will aim to have this update available by August every year.

Deliverable 1.1.6 Annual update of the VMEs

As per article 9(4) Regulation (EU) 2016/2336, called the “Deep-sea access regulation”, ICES is requested to carry out an annual assessment of areas where VMEs are known to occur or are likely to occur in EU waters. This recurring advice should be based on the advice provided on 5 January 2021, which established a list of VMEs occurrences and likely occurrences for regulatory purposes. Revision or update of this advice shall be made in light of new data reported to ICES.

ICES is requested to establish a process developing a general update for all sea-basins for which ICES provides advice.

Deliverable 1.1.7 Presentation of advice to ACs and EU structures

ICES will, on request, present the advice to EU Institutions and Committees including the Fisheries Committee of the European Parliament, ACs and stakeholder meetings organised by the EC. Presentations will be made by the Chair of ACOM or their designee. ICES will participate, on request, in an annual meeting/seminar on scientific advice, organised by the EC. ICES will present an overview and matters relevant to the scientific advice, including the underlying scientific knowledge for the scientific advisory process (e.g. fish population dynamics, stock assessment and modelling approaches, concepts on reference points, developments on mixed fisheries advice, multi-species advice and advice on data limited

stocks, sensitive species and habitats advice and Ecosystem approaches and the link to Good Environmental Status).

Work package 1.2 Quality assurance of advice deliverables

ICES quality assurance of advisory products covers the entire chain from data collection to publication of advice. ICES has taken a large number of initiatives to quality assure the advisory products. In recent years, focus has been on data quality, transparency, and enhancement of the advisory framework, mainly through the development of guidelines.

Deliverable 1.2.1 Web based stock status (SAG, SID)

SAG and SID online portals provide a comprehensive publicly accessible status of approximately 200 assessed stocks, including their historical performance, confidence intervals and with all supporting meta-data that ensure consistency and a means to generate new data calls based upon the most current available information. These portals also offer web services that are used by STECF/JRC.

Deliverable 1.2.2 Web based recalculation of assessments (Transparency Assessment Framework - TAF)

A full methodological description of the assessment, data used and advisory procedure for each stock, updated whenever significant changes are made, including reference to new methods will be made available in TAF. Documentation of each assessment, with information on the lineage of data used in assessment, will be adequate to allow recalculation of any assessment or catch projection by an external expert, with reference to publicly available web-based data as required. All ICES assessments are expected to be functional in TAF by 2021.

Deliverable 1.2.3 Benchmark overview

ICES will provide a description of the benchmarking process including an overview of the different benchmark exercises foreseen in the coming 24 months by end of a calendar year. This submission includes a timeline and planning of the benchmark exercises listed.

Deliverable 1.2.4 RCG support and involvement

ICES will support the implementation of the DCF by facilitating planning expert group meetings related to data collection. In particular, ICES will assist the EC by implementing data collection community websites supporting exchange of information between scientific experts involved in the preparation for, the work during, and the follow-up after Regional Coordination Groups (RCGs) related to the DCF. In addition, ICES should participate in RCGs by presenting and discussing, among others, the ICES data needs for the relevant region and the work carried out by relevant ICES Expert Group (EGs).

Deliverable 1.2.5 End-user feedback to Liaison Meetings and STECF

ICES will communicate to the EC any problems encountered with data transmitted by Member States in the framework of data calls launched by ICES. This shall in particular apply to data collected through the DCF.

ICES will provide information on timeliness of submission, coverage and quality of collected data, relevant to the use for the advisory deliverables. The previous year's annual information will be provided through the data transmission IT platform of JRC in the first semester of each year. It will consist of an account of issues of DCF data transmitted to ICES. The issues should clearly identify the type of data, stock (if the data concerned is needed for fish stocks assessment, and Member State, using the above mentioned categorisation (timeliness, coverage, quality) and be self-explanatory. ICES will indicate the impact of these shortcomings on the provision and quality of scientific advice (severity). ICES should not only provide feedback on data transmission problems concerning Member States, but also provide assistance to the EC in clarifying the responses of Member States to these ICES comments to the extent that these responses relate to ICES' use of the data.

Work package 1.3 Data and information Management of advisory deliverables

Data collection is the responsibility of ICES Member Countries, and while ICES has a clear responsibility to quality assure data used in advice it relies on national processes on which ICES has very limited influence. ICES current work on databases, data submission standards and procedures, and data processing is crucial to assess the quality of data being provided by member countries and being used in the provision advice deliverables.

Deliverable 1.3.1 Complete data records

A number of databases and online data portals related to the preparation, quality control, ingestion and processing of input data to Advice deliverables are used by ICES in order to make available complete data records. These systems include Fisheries dependent and independent data sources, sampling design, detailed and aggregated output data and data products, and fisheries assessment results. Examples of these portals include (but are not limited to) DATRAS, RDBES, Acoustic portal, TAF. Management of these portals includes maintenance, product development, vocabulary management, bug fixing, user helpdesk, attending and reporting to Advice related expert group meetings, support to the RCG's and STECF meetings, and the specification and processing of data calls to relevant parties.

Deliverable 1.3.2 Data calls

ICES data calls requesting data collected under the EU Regulation No. 2017/1004 will respect all notification periods defined in article 17 of the regulation, and where possible additional notice will be given to member states. Data calls requesting data collected under the EU Regulation (EC) No 2017/1004 should include a reference to guarantees on personal data protection, in accordance with the Article 2 of the Regulation (EC) No 2017/1004.

ICES will inform the EC on data issues significantly affecting the scientific advisory process via the annual data transmission reporting. In the view of the 2019 evaluation of research surveys at sea under the EU MAP, ICES will inform the EC on the current use of survey data in the scientific advisory process. Review of survey input and settings for each stock assessment will be done in the benchmark process, which the EC will be briefed on (deliverable 1.2.3).

ICES should provide advice to the EC as to the optimal timing of scientific advice given to the EC, taking into consideration the time lag for data availability, and subsequent data processing, in relation to the deadline of a data call. ICES publishes its data calls on a public web page²

Work package 2: Special Requests – non-recurrent advice

Non-recurrent advisory and other scientific or technical deliverables, training of EU personnel, or other activities may be requested by the EC. ICES will strive to fulfil such requests according to mutually satisfactory agreements between the Parties, which will specify the nature, the scope, the duration and the maximum associated costs.

Non-recurrent advisory deliverables may concern any request for advice from ICES in the context of the development and implementation of the CFP, of the MSFD (Directive 2008/56/EC) and of other EU legislation. The non-recurrent advisory deliverables are agreed with ICES and DGMARE when the need for these arise and are settled within the budget of the Specific Grant Agreement to the extent this is possible. Should non-recurrent requests arise which are estimated to exceed the remaining budget for these in this agreement, ICES and the EC will discuss on the possibility to enlarge the budget for non-recurrent advice products.

A few examples of non-recurrent advice requests:

- 1) the state of fish stocks and related data issues;

² <http://ices.dk/marine-data/tools/Pages/Data-calls.aspx>

- 2) the state of the marine environment or specific themes relating to this question for which ICES can mobilise expertise;
- 3) the state of specific fish stocks with significant catches in recreational fisheries (cod in the Celtic Sea, pollack in the English Channel and Celtic Sea, elasmobranchs, etc), in order to assess their impact on the stock overall catches and the effectiveness of the management measures that regulate these recreational fisheries.
- 4) development and evaluation of operational management options, like Fmsy ranges or Technical Conservation Measures, considered for themselves and applied to multi-annual management of fish stocks and fisheries or as part of multi-annual plans;
- 5) evaluations of multi-annual plans, in particular between the EU and other ICES members, whether for a single stock or species or for a multi-stock fishery; the deliverable should be complementary to the related development and evaluation process established under the STECF framework, taking into account the methods and standards established therein;
- 6) providing training support to the EC (EU officials and interested stakeholders)
- 7) identification and mediation of access to independent experts to conduct reviews of scientific documents or to provide other assistance. ICES will be responsible for identifying experts, but the product provided is solely the responsibility of the experts.
- 8) Potentially, joint EU-UK special requests for non-recurrent advice to ICES, which could include mixed fisheries science, LO exemptions and TAC deductions thereby implemented, inter-stocks geographical flexibility, amongst others.

c) Methodology to be followed/project implementation

ICES has developed a comprehensive framework including a set of advice rules to be applied when addressing requests for advice on fishing opportunities. These conform to international agreements to which the EU is a signatory and to the objectives of the CFP. The ICES approach to advice on fishing opportunities integrates ecosystem-based management with the objective of achieving maximum sustainable yield (MSY). The aim is, in accordance with the aggregate of international guidelines, to inform policies for high long-term yields while maintaining productive fish stocks within healthy marine ecosystems. Annex 2 of the UN Fish Stocks Agreement (UN, 1995) contains guidelines for applying a precautionary approach within an MSY framework. In accordance with a precautionary approach, populations need to be maintained within safe biological limits to make MSY possible. However, within safe biological limits, an MSY approach is necessary to achieve MSY. A precautionary approach is a necessary, but not a sufficient condition for MSY.

Maximum sustainable yield is a broad conceptual objective, aimed at achieving the highest yield over the long term. It is non-specific with respect to: (a) the biological unit to which it is applied; (b) the models used to provide scientific advice; (c) the definition of yields; and (d) the management methods used to achieve MSY. The MSY concept can be applied to an entire ecosystem, a fish community, or a single stock. ICES applies the MSY concept to single stocks as well as to groups of stocks in the context mixed fisheries, where stocks are caught together in a fishery. ICES interpretation of MSY is maximizing the average long-term yield from a given stock while maintaining productive fish stocks within healthy marine ecosystems. In relation to MSY, ICES defines yield to be maximised as the wanted part of the catch measured in weight, i.e. the part of the catch that is landed and above any agreed minimum conservation/reference size.

Many of the models (mathematical and conceptual) used to estimate MSY and associated parameters typically assume that factors not explicitly included in the models remain constant or vary around a historical long-term mean. However, marine ecosystems are dynamic and fish stocks will change not only in response to the fisheries, but also to changes in fishing patterns and fishing pressures on their prey or their predators as well as climate changes. ICES therefore considers MSY reference points to be valid only in the medium term and to be subject to regular reviews.

To support the stock by stock management system, ICES provides advice on fishing opportunities and stock status for individual stocks. In addition to the single stock advice, ICES also provide mixed fisheries considerations, fisheries and ecosystem overviews, which encapsulate the technical and biological interactions between stocks at an ecoregion scale.

The advice rule applied by ICES in developing the advice on fishing possibilities depends on management strategies agreed by relevant management bodies and the information and knowledge available for the

concerned stocks. If all the relevant management authorities have agreed on a management plan or strategy and the plan/strategy has been evaluated by ICES to be consistent with the precautionary approach, ICES will provide advice in accordance with the plan/strategy. If no management plan/strategy has been agreed by all relevant management parties or the agreed plan/strategy has been evaluated by ICES not to be consistent with the precautionary approach, ICES will provide advice applying the ICES MSY advice rule if possible or the precautionary approach if the information on the stocks is insufficient to support the MSY rule.

ICES MSY advice rule requires a relative high level of data and knowledge on the dynamics of the stocks concerned. If the data and knowledge requirements are not fulfilled ICES cannot provide advice consistent with MSY; instead ICES applies an advice rule that is only based on precautionary considerations.

For the purposes of identifying the advice rule to be applied when giving advice on fishing possibilities, ICES classifies the stocks into six main categories on the basis of available knowledge.

- Category 1 – stocks with quantitative assessments. Includes the stocks with full analytical assessments and forecasts as well as stocks with quantitative assessments based on production models.
- Category 2 – stocks with analytical assessments and forecasts that are only treated qualitatively. Includes stocks with quantitative assessments and forecasts which for a variety of reasons are considered indicative of trends in fishing mortality, recruitment, and biomass.
- Category 3 – stocks for which survey-based assessments indicate trends. Includes stocks for which survey or other indices are available that provide reliable indications of trends in stock metrics, such as total mortality, recruitment, and biomass.
- Category 4 – stocks for which only reliable catch data are available. Includes stocks for which a time-series of catch can be used to approximate MSY.
- Category 5 – landings only stocks. Includes stocks for which only landings data are available.
- Category 6 – negligible landings stocks and stocks caught in minor amounts as bycatch. Includes stocks where landings are negligible in comparison to discards and stocks that are primarily caught as bycatch species in other targeted fisheries.

For category 1 and 2 stocks ICES provides advice in accordance with agreed management plans/strategies evaluated to be consistent with the precautionary approach. If such plans/strategies are not agreed or have been evaluated by ICES not to be precautionary, ICES will give advice on the basis of the ICES MSY approach. For category 3–6 stocks, the available knowledge is insufficient to apply the ICES MSY approach and the advice rule is based on the precautionary approach. However, ICES has developed an approach to determine proxies for MSY reference points for some stocks in categories 3 and 4. Based on these proxies, ICES will assess the state of the stocks and their exploitation relative to MSY criteria. ICES is in the process of developing MSY advice for all stocks that are listed as target stocks in the MAPs; the possibility for such advice for 2022 / 2023 is indicated by stock in Annex III.

The reasons why MSY advice for target stocks (e.g. those described in the MAPs and pelagics) is not available will be summarised by ICES.

Limitations on fisheries may be required to achieve environmental objectives, especially regarding biodiversity, habitat integrity and food webs. This will not affect the catch that can be taken from a stock in accordance with the objectives of MSY and the precautionary approach and will therefore not affect ICES advice on fishing possibilities. However, the limitations may affect the possibilities for the fisheries to fully utilize the advised fishing possibilities. ICES may, if requested, advise on the likely impact of such limitations on the catch but will, as explained, not include such considerations in the advice on fishing opportunities.

To ensure ICES can provide the best possible advisory products, ICES science will continue to explore methodologies to assess the risks of the use of certain fishing gears and aquaculture techniques in order to minimise, to the extent possible, the negative impacts of fishing and aquaculture activities on the marine environment

d) Expected results and their use:

In addition to the management advice detailed under 1.1.1 the main expected results are:

- a) The results of the assessment process for the overall status of the stock and its exploitation rates and patterns: information on each stock both in terms of biomass as regards the state of the resources and its distribution, its reproductive capacity, whether it is within safe biological limits as defined in the CFP, and in terms of fishing mortality as regards the level of harvest as identified under the precautionary approach in order to maintain a historical time series;
- b) Where possible an annual analysis of the long-term development of stocks and their exploitation in relation to reference points and MSY points and ranges (as applicable), and the objectives in Art. 2.2 of Regulation (EU) 1380/2013, also taking into account influences on biomass that are not related to fisheries, such as ecosystemic, trophic or other factors. Where possible, the relation between the level of exploitation and the biomass development shall be addressed.
- c) The stock-relevant (precautionary, target and limit) reference points, including the Fmsy ranges for all stocks where ranges are available.
- d) Catch scenarios: Different catch simulations will be described together with their respective impact on the biomass levels. Those catch simulations may include:
 - a. catch scenarios corresponding to fishing at unchanged fishing mortality rates, at Flim, and at Fpa;
 - b. catch scenarios corresponding to fishing at the upper and at the lower boundary of the MSY fishing mortality range and a number of intervals within the Fmsy range, for stocks where these values are not provided in the headline advice (For details see Annex III);
 - c. catch scenarios corresponding to fishing at fishing mortality rates that will lead to stock biomass at levels corresponding to the limit reference point, the PA reference point, and the MSY Btrigger reference point, and at levels that would produce MSY in the long term;
 - d. a catch scenario with MSY objectives achieved in 2022
 - e. a catch scenario that results in a stable SSB.
 - f. ICES will add, where possible, a column to the catch scenarios table presenting the resulting SSB change for the next two years.
 - g. ICES will add, where available, a column to the catch scenarios table presenting the maximum probability of SSB being below Blim, in line to what is ICES criterion, i.e., where the maximum (of the annual probabilities) is taken over all years in the plan/strategy (i.e., short and long term).

Scenario e) will be tested for selected stocks in the North Sea and the Celtic Sea, including northern seabass for advice published in 2021 and 2022.

The Commission will use ICES advice and other deliveries described above for the preparation of its proposals on the 2021 fishing opportunities in the Baltic, North Sea and Atlantic. The Multiannual Management Plans for, respectively, the Baltic, North Sea and Western Waters, rely strongly on ICES advice for the determination of ranges and limit values for the relevant stocks, as well as for providing the best scientific advice on the level of fishing opportunities to be set at EU level.

e) Arrangements for monitoring/supervision of the operation and risks involved in its implementation:

ICES advisory process has several steps which all are agreed by the Advisory Committee and outlined in the Annual Work Programme (see section 2). The steps are the following for each advisory process:

- A request for advice is received from a client
- Data are provided to expert groups based on data calls and database contents, which then make assessments and draft a first scientific/technical response to the request
- Expert group reports are peer-reviewed by internal audits
- In cases of stock assessments where the benchmark (established assessment method to be used) has been agreed upon, the reviewing is carried out within the expert group and then followed by an advice drafting group

- The expert group report together with the review is used in the advice drafting group
- Draft advice prepared by the advice drafting group is discussed and finally approved by the Advisory Committee (ACOM)
- The advice is delivered to the client by electronic communication and made available on the ICES Website

Annex III provides a detailed timeline for the provision of advice by stock.

ICES aims at producing advice based on the best available science that is characterised by quality assurance, developed in a transparent process, unbiased, independent, and is recognised by all parties as being relevant to management. The scientific basis for the advice is developed by expert groups. An advice drafting group prepares the advice based on the findings of the expert groups. The advice prepared by the advice drafting group is finalised and adopted by ICES Advisory Committee (ACOM).

ICES operates a peer-review system. The scientific basis for responses to non-recurring requests for advice is subject to a peer-review process, before or in conjunction with the advice drafting group. For recurrent advice on fishing opportunities ICES has implemented a benchmark process in which the methods, including the data series to be used by the Expert Groups in addressing the requests, are developed. The results from the benchmarks are subjected to a peer-review process similar to the process for non-recurrent requests.

The risks involved in the implementation are twofold: 1) late delivery of advice due to necessary updates or other reasons (i.e. corrections). Late delivery may imply that the Commission cannot use the advice for the development of its proposals. In these cases, ICES will inform the Commission as soon as a delay in the advice becomes apparent. 2) the results of the scientific stock assessment do not allow of the delivery of the advice corresponding to management needs (i.e. MSY advice) due to lack of data or other methodological issues. For stocks assessed at MSY, ICES will inform the Commission as soon as it becomes apparent that this stock will lose its MSY status in the forthcoming advice.

f) Sustainability of the project's achievements:

The International Council for the Exploration of the Sea (ICES) is an intergovernmental [1] marine science organization headquartered in Copenhagen, Denmark. ICES coordinates and promotes research on oceanography, the marine environment and ecosystems, and living marine resources in the North Atlantic and adjacent sea areas. The main objective of ICES is to increase the scientific knowledge of the marine environment and its living resources and to use this knowledge to provide unbiased, non-political advice. ICES supports its Member Countries and international governmental organization like the EU Commission, NEAFC, NASCO, NAFO, NAMMCO, OSPAR and HELCOM by providing scientific information and knowledge and advice on ecosystem, fisheries and aquaculture issues.

ICES has established a formal cooperation structure to support its work, which also ensures that the advisory requests are answered including the best available science, data and information. This formal cooperation structure relies on the ICES legal framework established by the 1964 Convention, confirmed by the 2002 Copenhagen Declaration, and cooperation dating back to 1902 with the establishment of the organization.

While advice requesters are paying for the advisory services they request from ICES, according to the 100 % cost recovery principle, our member Countries pay annual contributions to support further development of science and data, taking into account exploratory findings, innovative methods, and international developments.

[1] ICES has 20 member countries: Belgium, Canada, Denmark, Estonia, Finland, France, Germany, Iceland, Ireland, Latvia, Lithuania, the Netherlands, Norway, Poland, Portugal, Russian Federation, Spain, Sweden, United Kingdom, and the United States of America.

Wk 3/21/22

2 PLANNED DURATION OF THE ACTION (in months):
Planned starting date: 12 months (starting date January 1st 2022)

TIMETABLE FOR EACH STAGE OF THE [ACTION]/ [WORK PROGRAMME] SHOWING MAIN DATES AND EXPECTED RESULTS FOR EACH STAGE

Activity	Semester 1					Semester 2						
	Month 1	2	3	4	5	6	7	8	9	10	11	12
Preparation Activity (Annual Work Programme establishment)		Bilateral meeting	ACOM			MIRIA meeting			ACOM		Bilateral meeting	
Implementation Activity (Benchmarks)		X										
Implementation Activity (Baltic Sea advice)				Sprat	Other stocks							
Implementation Activity (North Sea advice)		Sandeel	Pandalus (IIIa, 4)	Sprat		Other stocks			Norway Pout/re-opening	Pandalus (other stocks)		
Implementation Activity (Northern and Southern shelves stocks)						X						

WR 3/21/22

Implementation Activity (Bay of Biscay stocks)						X						
Implementation Activity (Deep-water stocks)						X						
Implementation Activity (Celtic Sea stocks)						X						
Implementation Activity (Mixed fisheries advice)											X	
Implementation Activity (Southern Horse mackerel, anchovy, sardine stocks)						Anchovy in 9a, Southern Horse mackerel						Bay of Biscay, other sardine and anchovy stocks
Implementation Activity (Data needs, quality, timeline, datacalls, end-user feedback)							X	X	X			
Implementation Activity (Bycatch advice)								X				

WK 3/21/22

Implementation Activity (Elasmobranch stocks)										X		
Implementation Activity (Widely distributed stocks)										X		
Implementation Activity (Nephrops stocks)										X		
Implementation Activity (Fisheries Overview)								Baltic				X
Implementation Activity (Ecosystem Overview)												X
Implementation Activity (Aquaculture Overview)												X
Implementation Activity (Seabass tool)						X						

LEGAL NOTICE

Applicants are informed that, under the Financial Regulation applicable to the general budget of the European Union, no grants may be awarded retrospectively for actions already completed. In those

exceptional cases accepted by the Commission where applicants demonstrate the need to start the action before the agreement is signed or the decision notified, expenditure eligible for financing may not have been incurred before the grant application was submitted or in the case of an operating grant, before the start of the beneficiary's budgetary year.

3 BUDGET

Estimated Budget - Annex 2

Applications must include a detailed estimated budget in balance in which all costs and contributions are given in euros. Applicants from countries outside the euro zone may use [the conversion rates published in the Official Journal of the European Union, series C, during the month in which they are submitting the application] [the monthly rate published on the Commission's website at www.ec.europa.eu/budget/info/euro/].

IV. ADDITIONAL FUNDING

1 UNION FUNDING
1.1 APPLICATIONS AND/OR ONGOING FUNDING OF THE UNION
Has the applicant or any of the affiliated entities received or applied for any Union funding for the same action or part of the action or for its functioning during the same financial year?
<input checked="" type="checkbox"/> NO
<input type="checkbox"/> YES – Continue to the following table

LEGAL NOTICE
The applicant must inform the Commission department to which this application is submitted if any of the above-mentioned applications for funding made to other European Commission departments or Union Institutions or bodies/agencies is approved by them after the submission of this grant application.

2 OTHER SOURCES OF EXTERNAL FUNDING – NON UNION
2.1 SUPPORT AWARDED
Has the applicant or any of the affiliated entities already received confirmation relating to any external funding for the action?
<input type="checkbox"/> NO
<input checked="" type="checkbox"/> YES – Continue to the following table

CONTRIBUTIONS BY THIRD PARTIES	
The applicant should indicate the details of the third party following the model below – Third parties must be the same as those listed in the budget (add rows if necessary)	
Third Party 1	
Official name in full	NEAFC, NASCO, Iceland, Norway and the UK
Official address	N/A
Estimated amount of funding to be provided for the operation	XXXXXXXXXX
Conditions or reservations for receiving the contributions (if any)	

2.2 REQUESTED SUPPORT

Has the applicant or an affiliated entity requested, applied or is awaiting confirmation relating to any external funding earmarked for the action?

NO

YES – Continue to the following table

If processing your reply to the invitation to submit a proposal involves the recording and processing of personal data (such as your name, address and CV), such data will be processed pursuant to Regulation (EC) No 45/2001 on the protection of individuals with regard to the processing of personal data by the Community institutions and bodies and on the free movement of such data. Unless indicated otherwise, any personal data requested are required to evaluate your application in accordance with the invitation to submit a proposal and will be processed solely for that purpose by DG MARE, Unit C3. Details concerning the processing of your personal data are available on the privacy statement at: https://ec.europa.eu/info/data-protection-public-procurement-procedures_en.

Your personal data may be registered in the Early Detection and Exclusion System (EDES) if you are in one of the situations mentioned in Article 106 of the Financial Regulation³. For more information, see the Privacy Statement on http://ec.europa.eu/budget/explained/management/protecting/protect_en.cfm

- Annexes:
- Budget
 - Declaration of honour by the applicant
 - Bank Account Form (BAF)
 - Legal Entity Form (LEF)
 - Statutory documents and consolidated accounts

³ Regulation (EU, Euratom) No 966/2012 of the European Parliament and of the Council of 25 October 2012 on the financial rules applicable to the general budget of the Union and repealing Council Regulation (EC, Euratom) No 1605/2002 (OJ L 298 of 26.10.2012, p. 1) as amended.

CHECK-LIST FOR APPLICANTS

This check list shall be adapted according to the options chosen within the form and completed according to the special requirements defined for the programme or call for proposals

All sections of the application form have been filled in, where appropriate, in accordance with the guide for applicant or any other document provided as guidance related to the programme concerned.	<input checked="" type="checkbox"/>
The budget annex has been duly filled in and is attached.	<input checked="" type="checkbox"/>
Legal details have been included in the Legal Entity Form annexed.	<input checked="" type="checkbox"/>
Bank details have been included in the Bank Account Form.	<input checked="" type="checkbox"/>
Appropriate statement from banks or tax declaration or evidence of professional risk indemnity insurance has been included.	<input type="checkbox"/>
Balance sheets or extracts from balance sheets for the last year for which accounts have been closed have been included with the application form.	<input checked="" type="checkbox"/>
Profit and loss account for the last financial year for which the accounts have been closed has been included with the application form.	<input checked="" type="checkbox"/>
Audit report by an approved external auditor on the accounts of the last financial year available has been included with the application form	<input checked="" type="checkbox"/>
Declaration of honour has been signed and attached.	<input checked="" type="checkbox"/>

Budget assumptions ICES Grant Agreement Application January 1 – December 31, 2022

1. Personnel Costs:

The personnel costs are based on estimates of percentage of time spent on the action. The actual costs reported will be based on the number of hours registered on the action in the ICES timekeeping system, Agresso, multiplied by an actual hourly salary rate based on salary, pension, social costs, health insurance

1.1 Recurrent Advice:

Personnel involved with the recurrent advice consists of the Head of Advice Department, the ACOM Leadership (Chair and Vice-Chairs) and other relevant staff within the Advice, Data and Science sections.

Head of Advice Department coordinates all advisory related work in the ICES Secretariat and is the main contact point for clients concerning requests for advice, clarifications, etc. The Head of Advice D outlines the framework for advice in collaboration with the Advisory Committee (ACOM) and is part of the ACOM Leadership.

ACOM Leadership consists of one full time chair and several vice-chairs each employed on part time corresponding to 38% of a full time equivalent. The salary costs for the ACOM Chair will be based on a full time position excluding the hours that are specifically registered on other projects and agreements. The salary costs for the Vice-Chairs will be based on the full remuneration in accordance with the employment contract as the Vice-Chairs dedicate all their time paid by ICES to the Advice process. The ACOM Leadership is the day-to-day operational management of ACOM and it outlines the suggested responds to requests for advice from ICES member countries, international commissions and organizations, and fisheries and ecosystem management bodies.

The staff in advice lead the advisory processes while ensuring that the advice is produced by experts following the framework set by ACOM. They audit and decides with experts on methods, approach etc. They facilitate QA of data input, assessments and is the link between ACOM and expert groups. They manage the advice processes from start to end.

The Advice staff also act as a link between experts, in particular expert group chairs as well as the groups and ACOM. They format all advice to the ICES standard, ensure timely delivery of advice and manage documents on Sharepoint and support the ACOM leadership. The Advice staff also secure the quality of the advice by proof-reading all advice before being delivered. The Advice staff develops the quantitative side of the Ecosystem Overviews and Fisheries Overviews and maintains the databases holding data on fish stocks.

1.2 Administration and support:

The Administrative and support staff consists of the administrative, communications and IT resources required to deliver in accordance with the purpose of the action.

The administrative staff contribute with project management in relation to making sure the resources are spent in accordance with the intention of the budget and the Annex I of the Specific Grant Agreement. This covers amongst other tasks following up on total salary costs, managing travel costs for the different advice drafting-and expert groups and following up on other costs directly attributable to the action to make sure they comply with the financial regulations. Further, the administrative staff ensure that the required facilities are in place for meetings held in relation to the action such as making

sure the relevant IT hardware and software facilities are available for the meetings and deliver technical support during meetings.

The IT Staff manage and maintain the Share Point sites for the relevant advice and working groups and manage and maintain the servers and storage facilities used to host data relevant to the agreement. The IT staff support IT software and hardware used in meetings relating to Advice together with the administrative staff.

The communications function manage advice and advisory related information on the ICES website and maintain the ICES library function facilitating traceability of past advice, manage advice expert group web pages and document repositories containing manuals and technical guidelines which are referred to and used in the advisory process, write and publish advice related news and advice explainers on the ICES website and share advice releases, advice related news and advice explainers on ICES social media channels.

If virtual meetings continue to substitute in-person meetings, it is expected to have an increased need for technical personnel to support virtual meetings in 2022. During 2020-2021 it has proven necessary to have increased personal costs in order to facilitate the online meetings.

Should the COVID-19 restrictions be extended we expect to save travel costs and spend more on personnel costs.

1.3. Regional Database

The data and advice staff manage a number of regional databases related to the preparation, quality control, ingestion and processing of input data to Advice. Further, staff establish tools facilitating quality assurance procedures, and other issues necessary to uphold the provision of ICES advice as transparent, legitimate, non-biased, and based on best available science

1.3. Specific DG MARE management

Managing the DG MARE grant requires specific skills and time compared to other MoUs. The contribution to this end of the General Secretary consists of the overall managing of the Advice programme as well as representing the ICES advisory framework to outside stakeholders. Finance staff takes care of all specific management tasks related to budget, reporting to donor preparation, quality control and delivery of audit material for the external audit of the grant.

1.1-1.4 Quality Assurance:

Quality assurance of the Advice is a continuous process, and relies on a number of technical systems as well as interactions with coordinating bodies to ensure Advice is delivered to an acceptable level of quality. The Data and Advice staff manage the Stock Assessment Graphs and Stock Information Database online portals to provide a comprehensive status of assessed stocks, with all supporting meta-data that ensure consistency and a means to generate new data calls based upon the most current available information. Confidence in the data and parameters used within an assessment are partly handled through the data systems (see next section), but in addition the Transparent Assessment Framework has been developed to have a more systematic and programmatic tool for recalculating an assessment, and also to making the modelling methods and assumptions more transparent to have a clearer labelling of the confidence in the Advice.

Further deliveries from Advice and Data staff under quality assurance include:

- Planning and executing benchmarks, which includes managing the setup of the data call, meetings and report of such a process
- Providing feedback to the Regional Coordination Groups (RCG), which involves compiling information from expert groups, databases and Advice, and then synthesizing this into documents and presentations delivered at the RCG meetings
- Collation and reporting on data transmission issues to JRC/STECF database

1.1.-1.4 Data and Information Management:

The data and advice staff manage a number of databases and online data portals related to the preparation, quality control, ingestion and processing of input data to Advice. These systems are integral to the Advice process, and include Fisheries dependent and independent data sources, sampling design, detailed and aggregated output data and data products, and fisheries assessment results. Examples of these portals include (but are not limited to) DATRAS, RDBES, Transparent Assessment Framework, Stock Assessment Graphs, Stock Information Database). Management of these portals includes maintenance, product development, vocabulary management, bug fixing, user helpdesk, attending and reporting to Advice related expert group meetings, support to the RCG's and STECF meetings, and the specification and processing of data calls to relevant parties.

1.3 Equity fee included in Budget line "1.3 Regional Database and Specific DG MARE management"

The equity fee is cost for development and maintenance of applications necessary to develop and maintain highlevel advice for all advice requesters. The cost are approved by ICES Council, why recurrent advice requesters not being ICES members (paying National Contribution) shall contribute separately. According to previous correspondence and meetings in 2021, ICES have explained IGO's share of these costs are 45% of which DG MAREs share is 83%

In 2022 the Council approved costs consist of the following:

Personnell costs	XXXXXXX– sepcifications sent separately
Travel costs	<u>XXXXX XXX</u>
Total	<u>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</u>

2. Travel and meeting costs:

The budget is based on the forecast pre Covid-19 restriction expecting to be back to more physical meetings. As mentioned above, an extension of Covid-19 restriction, will lead to savings on travel and an expected increase in staff costs to support virtual meetings

For phycisal meetings, ICES pays for travel and per diem costs for the ICES staff involved in Advice. ICES pays for travel and per diems for the participants in ACOM Advice Drafting Groups related to recurrent advice and for the ACOM Vice-Chairs and Chair as well as for the Chair and invited experts of the periodic Benchmark Groups. If physical meetings are required for Review Groups ICES pays for travel

and per diem. Travel costs include travel for the ACOM Leadership in relation to dissemination among ACs and EU institutions.

All travel expenses claimed will be in accordance with the ICES Rules regarding Travel and Subsistence Allowances.

On rare occasions it is needed to rent outside meeting facilities and the costs for these will be based on the actual costs for renting the meeting facilities.

1.5, 1.6 and 2.3 Special requests:

The budget is split into personnel costs, honoraria and other costs. The number and scope of the special requests will vary from year to year. During the course of the year, this figure can be adjusted according to uptake of budget under all budget lines as done in previous agreements.

The actual personnel costs reported for special requests will be based on the number of actual hours registered in the time keeping system for each request multiplied by the hourly salary rate. The actual costs for honoraria and travel will be based the total expenses incurred during the year in relation to the special requests. Travel expenses claimed will be in accordance with the ICES Rules regarding Travel and Subsistence Allowances.

The costs will be for both completed as well as ongoing requests during the budget period.

3.1 Costs for IT infrastructure:

The Advice activities are supported by the necessary IT infrastructure. The costs for IT infrastructure consist of costs for servers, storage facilities for SharePoint, network facilities, skype/webex facilities, backup facilities and printing facilities. The costs allocated to Advice is based on a share of the total costs. The share allocated to Advice will be based on the actual participants in meetings held for the printer facilities, the actual share of SharePoint sites dedicated to Advice and the actual number of conference participants on WebEx meetings relating to Advice.

3.2 Audit:

The budget includes estimated costs for an audit fee for the final grant audit.

Stock Name	Stock key label	Stock category	Year of next assessment	Periodicity (in years)	Month of release	Advice category for 2022; for MSY ranges should be provided where available	MSY advice basis under development (UD)/not possible (NP) for next advice	EG	COMMENT	Target stock according to MAP	Advice category according to legal obligation
Angel shark (<i>Squatina squatina</i>) in subareas 1-10, 12 and 14 (the Northeast Atlantic and adjacent waters)	agn.27.nea	6.3	2023	4	October	PA		WGEF			PA
Alfonsoinos (<i>Beryx</i> spp.) in subareas 1-10, 12 and 14 (the Northeast Atlantic and adjacent waters)	aif.27.nea	5.2	2022	2	June	PA	NP	WGDEEP			PA
Anchovy (<i>Engraulis encrasicolus</i>) in Subarea 8 (Bay of Biscay)	ane.27.8	1	2022	1	December	MP		WGHANSA			MP
Anchovy (<i>Engraulis encrasicolus</i>) in Division 9.a (Atlantic Iberian waters)	ane.27.9a	3	2022	1	June	PA		WGHANSA			PA
Anglerfish (<i>Lophius budegassa</i> , <i>Lophius piscatorius</i>) in Subareas 4 and 6, and Division 3.a (North Sea, Rockall and West of Scotland, Skagerrak and Kattegat)	anf.27.3a46	3.2	2022	1	October	PA	NP	WGCSE	This is a category 3 stock with no reference points and no FMSY ranges. The stock was benchmarked in 2018 but it did not result in any change in assessment methodology and the stock remains as category 3.	x	MSY
Black-bellied anglerfish (<i>Lophius budegassa</i>) in Subarea 7 and divisions 8.a-b and 8.d (Celtic Seas, Bay of Biscay)	ank.27.78abd	3.2	2022	1	June	PA	NP	WGBIE	This is a category 3 stock with a FMSY proxy reference point and no FMSY ranges. The stock was benchmarked in 2018 but it did not result in any change in assessment methodology and the stock remains as category 3.	x	MSY
Black-bellied anglerfish (<i>Lophius budegassa</i>) in divisions 8.c and 9.a (Cantabrian Sea, Atlantic Iberian waters)	ank.27.8c9a	2	2022	1	June	MSY		WGBIE	Category 2 stock with MSY based advice after benchmark 2021	x	MSY
Greater silver smelt (<i>Argentina silus</i>) in subareas 1, 2, and 4, and in Division 3.a (Northeast Arctic, North Sea, Skagerrak and Kattegat)	aru.27.123a4	3.2	2023	2	June	PA	UD	WGDEEP			PA
Greater silver smelt (<i>Argentina silus</i>) in divisions 5.b and 6.a (Faroes grounds and west of Scotland)	aru.27.5b6a	1	2022	1	June	MSY		WGDEEP	Benchmarked in 2021, now a Cat.1 stock with annual advice		PA
Blue ling (<i>Molva dypterygia</i>) in Subarea 14 and Division 5.a (East Greenland and Iceland grounds)	bli.27.5a14	3.3	2022	1	June	PA		WGDEEP			PA
Blue ling (<i>Molva dypterygia</i>) in subareas 6-7 and Division 5.b (Celtic Seas and Faroese grounds)	bli.27.5b67	1	2022	2	June	MSY		WGDEEP		x	MSY
Blue ling (<i>Molva dypterygia</i>) in Subareas 1, 2, 8, 9, and 12, and Divisions 3.a and 4.a (other areas)	bli.27.nea	5.3	2023	4	June	PA		WGDEEP			PA
Brill (<i>Scophthalmus rhombus</i>) in subdivisions 22-32 (Baltic Sea)	bll.27.22-32	3.2	2023	2	May	PA/Stock status only		WGBFAS			PA/Stock status only
Brill (<i>Scophthalmus rhombus</i>) in Subarea 4 and divisions 3.a and 7.d-e (North Sea, Skagerrak and Kattegat, English Channel)	bll.27.3a47de	3.2	2022	1	June	PA		WGNSSK			PA
Boarfish (<i>Capros aper</i>) in subareas 6-8 (Celtic Seas, English Channel, and Bay of Biscay)	boc.27.6-8	3.2	2023	2	September	PA	UD	WGWIDE			PA
Black scabbardfish (<i>Aphanopus carbo</i>) in subareas 1, 2, 4-8, 10, and 14, and divisions 3.a, 9.a, and 12.b (Northeast Atlantic and Arctic Ocean)	bsf.27.nea	3.2	2022	2	June	PA	UD	WGDEEP		x	MSY
Basking shark (<i>Cetorhinus maximus</i>) in Subareas 1-10, 12 and 14 (Northeast Atlantic and adjacent waters)	bsk.27.nea	6.3	2023	4	October	PA		WGEF			PA
Seabass (<i>Dicentrarchus labrax</i>) in Divisions 4.b-c, 7.a, and 7.d-h (central and southern North Sea, Irish Sea, English Channel, Bristol Channel, and Celtic Sea)	bss.27.4bc7ad-h	1.2	2022	1	June	MSY		WGCSE		x	MSY
Seabass (<i>Dicentrarchus labrax</i>) in divisions 6.a, 7.b, and 7.j (West of Scotland, West of Ireland, eastern part of southwest of Ireland)	bss.27.6a7bj	6.2	2023	3	June	PA	NP	WGCSE	This is a category 6 stock with only landings as input data not suitable for MSY advice	x	PA
Seabass (<i>Dicentrarchus labrax</i>) in divisions 8.a-b (northern and central Bay of Biscay)	bss.27.8ab	1	2022	1	June	MSY/MAP		WGBIE		x	MSY
Seabass (<i>Dicentrarchus labrax</i>) in divisions 8.c and 9.a (southern Bay of Biscay and Atlantic Iberian waters)	bss.27.8c9a	5.2	2023	2	June	PA	NP	WGBIE		x	PA
Cod (<i>Gadus morhua</i>) in subareas 1 and 2 (Northeast Arctic)	cod.27.1-2	1	2022	1	June	MP		AFWG			MSY
Cod (<i>Gadus morhua</i>) in Subdivision 21 (Kattegat)	cod.27.21	3.2	2022	1	June	PA		WGBFAS			PA
Cod (<i>Gadus morhua</i>) in subdivisions 22-24, western Baltic stock (western Baltic Sea)	cod.27.22-24	1	2022	1	May	MSY		WGBFAS		x	MSY
Cod (<i>Gadus morhua</i>) in subdivisions 24-32, eastern Baltic stock (eastern Baltic Sea)	cod.27.24-32	1	2022	1	May	PA	UD	WGBFAS		x	MSY
Cod (<i>Gadus morhua</i>) in Subarea 4, Division 7.d, and Subdivision 20 (North Sea, eastern English Channel, Skagerrak)	cod.27.47d20	1	2022	1	June	MSY		WGNSSK		x	MSY
Cod (<i>Gadus morhua</i>) in Division 6.a (West of Scotland)	cod.27.6a	1.2	2022	2	June	MSY		WGCSE			MSY
Cod (<i>Gadus morhua</i>) in Division 6.b (Rockall)	cod.27.6b	6.2	2023	3	June	PA	NP	WGCSE	This is a category 6 stock with only landings as input data not suitable for MSY advice		PA
Cod (<i>Gadus morhua</i>) in Division 7.a (Irish Sea)	cod.27.7a	3.2	2022	1	June	PA	UD	WGCSE		x	PA
Cod (<i>Gadus morhua</i>) in divisions 7.e-k (eastern English Channel and southern Celtic Seas)	cod.27.7e-k	1	2022	1	June	MSY		WGCSE		x	MSY
Portuguese dogfish (<i>Centroscymnus coelepis</i> , <i>Centrophorus squamosus</i>) in subareas 1-10, 12 and 14 (the Northeast Atlantic and adjacent waters)	cyo.27.nea	6.3	2023	4	October	PA		WGEF			PA
Dab (<i>Limanda limanda</i>) in subdivisions 22-32 (Baltic Sea)	dab.27.22-32	3.2	2023	2	May	PA/Stock status only		WGBFAS			PA/Stock status only
Dab (<i>Limanda limanda</i>) in Subarea 4 and Division 3.a (North Sea, Skagerrak and Kattegat)	dab.27.3a4	3.2	2022	3	June	PA Annex II and IIb		WGNSSK	Other advice requester ask for PA, changed as agreed in March 2021		PA/Stock status only

Stock Name	Stock key label	Stock category	Year of next assessment	Periodicity (in years)	Month of release	Advice category for 2022; for MSY ranges should be provided where available	MSY advice basis under development (UD)/not possible (NP) for next advice	EG	COMMENT	Target stock according to MAP	Advice category according to legal obligation
Spurdog (<i>Squalus acanthias</i>) in Subareas 1-10, 12 and 14 (the Northeast Atlantic and adjacent waters)	dgs.27.nea	1.2	2022	2	October	PA	UD	WGEF			PA
European eel (<i>Anguilla anguilla</i>) throughout its natural range	ele.2737.nea	3.14	2022	1	November	PA		WGEL			MSY
Flounder (<i>Platichthys flesus</i>) in subdivisions 22 and 23 (Belt Seas and the Sound)	fle.27.2223	3.2	2022	2	May	PA/Stock status only		WGBFAS			PA/Stock status only
Flounder (<i>Platichthys</i> spp.) in subdivisions 24 and 25 (west of Bornholm and southwestern central Baltic)	bzq.27.2425	3.2	2022	2	May	PA/Stock status only		WGBFAS			PA/Stock status only
Flounder (<i>Platichthys</i> spp.) in subdivisions 26 and 28 (east of Gotland and Gulf of Gdansk)	bzq.27.2628	3.2	2022	2	May	PA/Stock status only		WGBFAS			PA/Stock status only
Flounder (<i>Platichthys solemdali</i>) in subdivisions 27 and 29-32 (northern central and northern Baltic Sea)	bwp.27.2729-32	3.2	2022	2	May	PA/Stock status only		WGBFAS			PA/Stock status only
Flounder (<i>Platichthys flesus</i>) in Subarea 4 and Division 3.a (North Sea, Skagerrak and Kattegat)	fle.27.3a4	3.2	2023	2	June	PA		WGNSSK	Other advice requester ask for PA, changed as agreed in March 2021		PA/Stock status only
Tope (<i>Galeorhinus galeus</i>) in subareas 1-10, 12 and 14 (the Northeast Atlantic and adjacent waters)	gag.27.nea	5.2	2023	2	October	PA		WGEF			PA
Greater forkbeard (<i>Phycis blennoides</i>) in subareas 1-10, 12 and 14 (the Northeast Atlantic and adjacent waters)	gfb.27.nea	3.2	2022	2	June	PA		WGDEEP	Other advice requester ask for PA, changed as agreed in March 2021		PA/Stock status only
Greenland halibut (<i>Reinhardtius hippoglossoides</i>) in subareas 1 and 2 (Northeast Arctic)	ghl.27.1-2	1	2023	2	June	PA					PA
Greenland halibut (<i>Reinhardtius hippoglossoides</i>) in subareas 5, 6, 12, and 14 (Iceland and Faeroes grounds, West of Scotland, North of Azores, East of Greenland)	ghl.27.561214	1	2022	1	June	MSY		NWWG			MSY
Grey gurnard (<i>Eutrigla gurnardus</i>) in Subarea 4 and divisions 7.d and 3.a (North Sea, eastern English Channel, Skagerrak and Kattegat)	gug.27.3a47d	3.2	2022	2	June	PA		WGNSSK	Other advice requester ask for PA, changed as agreed in March 2021		PA/Stock status only
Leafscale gulper shark (<i>Centrophorus squamosus</i>) in subareas 1-10, 12 and 14 (the Northeast Atlantic and adjacent waters)	guq.27.nea	6.3	2023	4	October	PA		WGEF			PA
Red gurnard (<i>Chelidonichthys cuculus</i>) in subareas 3-8 (Northeast Atlantic)	gur.27.3-8	3	2023	2	September	PA	UD	WGWIDE			PA
Haddock (<i>Melanogrammus aeglefinus</i>) in subareas 1 and 2 (Northeast Arctic)	had.27.1-2	1	2022	1	June	MP		AFWG			MSY
Haddock (<i>Melanogrammus aeglefinus</i>) in Subarea 4, Division 6.a, and Subdivision 20 (North Sea, West of Scotland, Skagerrak)	had.27.46a20	1	2022	1	June	MSY		WGNSSK		x	MSY
Haddock (<i>Melanogrammus aeglefinus</i>) in Division 6.b (Rockall)	had.27.6b	1	2022	1	June	MSY		WGCSE	Management evaluated as precautionary	x	MSY
Haddock (<i>Melanogrammus aeglefinus</i>) in Division 7.a (Irish Sea)	had.27.7a	1	2022	1	June	MSY		WGCSE		x	MSY
Haddock (<i>Melanogrammus aeglefinus</i>) in Divisions 7.b-k (southern Celtic Seas and English Channel)	had.27.7b-k	1	2022	1	June	MSY		WGCSE		x	MSY
Herring (<i>Clupea harengus</i>) in subareas 1, 2, 5 and divisions 4.a and 14.a, Norwegian spring-spawning herring (the Northeast Atlantic and Arctic Ocean)	her.27.1-24a514a	1	2022	1	September	LTMS (Long term management strategy)		WGWIDE			LTMS (Long term management strategy)
Herring (<i>Clupea harengus</i>) in subdivisions 20-24, spring spawners (Skagerrak, Kattegat, and western Baltic)	her.27.20-24	1.2	2022	1	May	MSY		HAWG		x	MSY
Herring (<i>Clupea harengus</i>) in subdivisions 25-29 and 32, excluding the Gulf of Riga (central Baltic Sea)	her.27.25-2932	1	2022	1	May	MSY		WGBFAS		x	MSY
Herring (<i>Clupea harengus</i>) in Subdivision 28.1 (Gulf of Riga)	her.27.28	1	2022	1	May	MSY		WGBFAS		x	MSY
Herring (<i>Clupea harengus</i>) in Subdivisions 30 and 31 (Gulf of Bothnia)	her.27.3031	1	2022	1	May	MSY		WGBFAS		x	MSY
Herring (<i>Clupea harengus</i>) in Subarea 4 and divisions 3.a and 7.d, autumn spawners (North Sea, Skagerrak and Kattegat, eastern English Channel)	her.27.3a47d	1	2022	1	May	MSY		HAWG			MSY
Herring (<i>Clupea harengus</i>) in divisions 6.a and 7.b-c (West of Scotland, West of Ireland)	her.27.6a7bc	3	2022	1	June	PA		HAWG			MSY
Herring (<i>Clupea harengus</i>) in divisions 7.a South of 52°30'N, 7.g-h, and 7.j-k (Irish Sea, Celtic Sea, and southwest of Ireland)	her.27.iris	1	2022	1	June	MSY		HAWG			MSY
Herring (<i>Clupea harengus</i>) in Division 7.a North of 52°30'N (Irish Sea)	her.27.nirs	1	2022	1	June	MSY		HAWG			MSY
Hake (<i>Merluccius merluccius</i>) in subareas 4, 6, and 7, and divisions 3.a, 8.a-b, and 8.d, Northern stock (Greater North Sea, Celtic Seas, and the northern Bay of Biscay)	hke.27.3a46-8abd	1	2022	1	June	MSY/MAP		WGBIE		x	MSY
Hake (<i>Merluccius merluccius</i>) in divisions 8.c and 9.a, Southern stock (Cantabrian Sea and Atlantic Iberian waters)	hke.27.8c9a	3.2	2022	1	June	MSY		WGBIE	this was a category 1 stock in 2019, but a strong and currently unresolvable retrospective pattern in the assessment output led ICES to use a category 3 assessment for this stock in 2020. We are working toward a 2022 benchmark.	x	MSY/MAP
Horse mackerel (<i>Trachurus trachurus</i>) in Subarea 8 and divisions 2.a, 4.a, 5.b, 6.a, 7.a-c-e-k (the Northeast Atlantic)	hom.27.2a4a5b6a7a-ce-k8	1	2022	1	September	MSY	UD	WGWIDE			MSY

Stock Name	Stock key label	Stock category	Year of next assessment	Periodicity (in years)	Month of release	Advice category for 2022; for MSY ranges should be provided where available	MSY advice basis under development (UD)/not possible (NP) for next advice	EG	COMMENT	Target stock according to MAP	Advice category according to legal obligation
Horse mackerel (<i>Trachurus trachurus</i>) in divisions 3.a, 4.b-c, and 7.d (Skagerrak and Kattegat, southern and central North Sea, eastern English Channel)	hom.27.3a4bc7d	3.2	2023	2	September	PA		WGWIDE	This is a category 3 stock with a Length-based indicator FMSY proxy reference point. Based on this proxy, ICES can assess the stock exploitation relative to MSY criteria. However the basis for advice can only be PA.		MSY
Horse mackerel (<i>Trachurus trachurus</i>) in Division 9.a (Atlantic Iberian waters)	hom.27.9a	1	2022	1	June	MSY		WGHANSA	There is a MP proposed by PELAC and evaluated by ICES as precautionary.		MSY
Blue jack mackerel (<i>Trachurus picturatus</i>) in Subdivision 10.a.2 (Azores grounds)	jaa.27.10a2	5	2022	2	December	PA		WGHANSA			PA
Four-spot megrim (<i>Lepidorhombus boschii</i>) in divisions 7.b-k, 8.a-b, and 8.d (west and southwest of Ireland, Bay of Biscay)	ldb.27.7b-k8abd	5.2	2022	1	June	PA		WGBIE	Other advice requester ask for PA, changed as agreed in March 2021		Stock status only
Four-spot megrim (<i>Lepidorhombus boschii</i>) in divisions 8.c and 9.a (southern Bay of Biscay and Atlantic Iberian waters East)	ldb.27.8c9a	1	2022	1	June	MSY		WGBIE	further develop F multiplier approach: FMSY point (as currently the case) plus Fupper (new)		MSY/MAP
Lemon sole (<i>Microstomus kitt</i>) in Subarea 4 and divisions 3.a and 7.d (North Sea, Skagerrak and Kattegat, eastern English Channel)	lem.27.3a47d	3.2	2022	1	June	PA		WGNSSK	Annual advice requested (year of next assessment changed to 2020)		PA
Megrim (<i>Lepidorhombus spp.</i>) in divisions 4.a and 6.a (northern North Sea, West of Scotland)	lez.27.4a6a	1	2022	1	June	MSY		WGCSE		x	MSY
Megrim (<i>Lepidorhombus spp.</i>) in Division 6.b (Rockall)	lez.27.6b	2	2022	1	October	MSY		WGCSE	Stock to be benchmarked in 2021. It uses the new WKLIFE X method 2.1	x	MSY
Ling (<i>Molva molva</i>) in subareas 1 and 2 (Northeast Arctic)	lin.27.1-2	3.2	2023	2	June	PA		WGDDEEP			PA
Ling (<i>Molva molva</i>) in subareas 3,4, 6-9, 12, and 14 (Northeast Atlantic and Arctic Ocean)	lin.27.346-91214	3.2	2023	2	June	PA		WGDDEEP	The WG thinks we should examine stock ID for this at a benchmark (break it up into more meaningful parts, at the moment it is a 'remaining areas' stock)		PA
Ling (<i>Molva molva</i>) in Division 5.b (Faroes grounds)	lin.27.5b	1	2022	1	June	PA		WGDDEEP	Benchmarked in 2021, now a Cat.1 stock		PA
Mackerel (<i>Scomber scombus</i>) in subareas 1-8 and 14 and division 9.a (the Northeast Atlantic and adjacent waters)	mac.27.nea	1	2022	1	September	MSY		WGWIDE			MSY
Megrim (<i>Lepidorhombus whiffiagonis</i>) in divisions 7.b-k, 8.a-b, and 8.d (west and southwest of Ireland, Bay of Biscay)	meg.27.7b-k8abd	1	2022	1	June	MSY		WGBIE		x	MSY/MAP
Megrim (<i>Lepidorhombus whiffiagonis</i>) in divisions 8.c and 9.a (Cantabrian Sea and Atlantic Iberian waters)	meg.27.8c9a	1	2022	1	June	MSY		WGBIE	further develop F multiplier approach: FMSY point (as currently the case) plus Fupper (new)	x	MSY/MAP
White anglerfish (<i>Lophius piscatorius</i>) in Subarea 7 and divisions 8.a-b and 8.d (Celtic Seas, Bay of Biscay)	mon.27.78abd	1	2022	1	June	MSY		WGBIE		x	MSY/MAP
White anglerfish (<i>Lophius piscatorius</i>) in divisions 8.c and 9.a (Cantabrian Sea and Atlantic Iberian waters)	mon.27.8c9a	1	2022	1	June	MSY		WGBIE		x	MSY/MAP
Striped red mullet (<i>Mullus surmuletus</i>) in Subarea 4 and divisions 7.d and 3.a (North Sea, eastern English Channel, Skagerrak and Kattegat)	mur.27.3a47d	3.2	2023	2	June	PA		WGNSSK			PA
Striped red mullet (<i>Mullus surmuletus</i>) in subareas 6 and 8, and divisions 7.a-c, 7.e-k, and 9.a (North Sea, Bay of Biscay, southern Celtic Seas, and Atlantic Iberian waters)	mur.27.67a-ce-k89a	5.2	2023	3	September	PA	UD	WGWIDE			PA
Norway lobster (<i>Nephrops norvegicus</i>) in Subarea 4, outside the functional units (North Sea)	nep.27.4outFU	5.2	2022	2	June	PA		WGNSSK	MSY advice requested where possible; currently only PA is possible. Can the periodicity be changed to 2 years? This will align this stock with other data limited Nephrops stocks.		MSY/PA
Norway lobster (<i>Nephrops norvegicus</i>) in Division 6.a, outside the functional units (West of Scotland)	nep.27.6aoutFU	5.2	2023	3	October	PA	NP	WGCSE	This is a category 5 stock with only landings as input data not suitable for MSY advice.	x	MSY
Norway lobster (<i>Nephrops norvegicus</i>) in Subarea 7, outside the functional units (Southern Celtic Seas, southwest of Ireland)	nep.27.7outFU	5.2	2023	3	October	PA	NP	WGCSE	This is a category 5 stock with only landings as input data not suitable for MSY advice.	x	PA
Norway lobster (<i>Nephrops norvegicus</i>) in Division 4.a, Functional Unit 10 (northern North Sea, Now)	nep.fu.10	4.14	2022	2	June	PA	NP	WGNSSK	MSY advice requested where possible; only PA advice possible for Cat.4 and Cat.5 stocks	x	MSY/PA
Norway lobster (<i>Nephrops norvegicus</i>) in Division 6.a, Functional Unit 11 (West of Scotland, North Minch)	nep.fu.11	1	2022	1	October	MSY		WGCSE		x	MSY
Norway lobster (<i>Nephrops norvegicus</i>) in Division 6.a, Functional Unit 12 (West of Scotland, South Minch)	nep.fu.12	1	2022	1	October	MSY		WGCSE		x	MSY
Norway lobster (<i>Nephrops norvegicus</i>) in Division 6.a, Functional Unit 13 (West of Scotland, the Firth of Clyde and Sound of Jura)	nep.fu.13	1	2022	1	October	MSY		WGCSE		x	MSY
Norway lobster (<i>Nephrops norvegicus</i>) in Division 7.a, Functional Unit 14 (Irish Sea, East)	nep.fu.14	1	2022	1	October	MSY		WGCSE		x	MSY
Norway lobster (<i>Nephrops norvegicus</i>) in Division 7.a, Functional Unit 15 (Irish Sea, West)	nep.fu.15	1	2022	1	October	MSY		WGCSE		x	MSY
Norway lobster (<i>Nephrops norvegicus</i>) in divisions 7.b-c and 7.j-k, Functional Unit 16 (west and southwest of Ireland, Porcupine Bank)	nep.fu.16	1	2022	1	October	MSY		WGCSE		x	MSY
Norway lobster (<i>Nephrops norvegicus</i>) in Division 7.b, Functional Unit 17 (west of Ireland, Aran grounds)	nep.fu.17	1	2022	1	October	MSY		WGCSE		x	MSY
Norway lobster (<i>Nephrops norvegicus</i>) in divisions 7.a, 7.g, and 7.j, Functional Unit 19 (Irish Sea, Celtic Sea, eastern part of southwest of Ireland)	nep.fu.19	1	2022	1	October	MSY		WGCSE		x	MSY
Norway lobster (<i>Nephrops norvegicus</i>) in divisions 7.g and 7.h, functional units 20 and 21 (Celtic Sea)	nep.fu.2021	1	2022	1	October	MSY		WGCSE		x	MSY

Stock Name	Stock key label	Stock category	Year of next assessment	Periodicity (in years)	Month of release	Advice category for 2022; for MSY ranges should be provided where available	MSY advice basis under development (UD)/not possible (NP) for next advice	EG	COMMENT	Target stock according to MAP	Advice category according to legal obligation
Norway lobster (Nephrops norvegicus) in divisions 7.g and 7.f, Functional Unit 22 (Celtic Sea, Bristol Channel)	nep.fu.22	1	2022	1	October	MSY		WGCSE		x	MSY
Norway lobster (Nephrops norvegicus) in divisions 8.a and 8.b, Functional Units 23-24 (northern and central Bay of Biscay)	nep.fu.2324	1	2022	1	October	MSY		WGBIE	No ranges available for this stock. Discard survival rate revised.	x	MSY
Norway lobster (Nephrops norvegicus) in Division 8.c, Functional Unit 25 (southern Bay of Biscay and northern Galicia)	nep.fu.25	2	2022	3	June	MSY		WGBIE	Category 2 stock with MSY based advice after WKMSYSPICT 2021		PA
Norway lobster (Nephrops norvegicus) in Division 9.a, Functional Units 26-27 (Atlantic Iberian waters East, western Galicia, and northern Portugal)	nep.fu.2627	2	2022	3	June	MSY		WGBIE	Category 2 stock with MSY based advice after WKMSYSPICT 2021	x	MSY
Norway lobster (Nephrops norvegicus) in Division 9.a, Functional Units 28-29 (Atlantic Iberian waters East and southwestern and southern Portugal)	nep.fu.2829	3.2	2023	2	June	PA	NP	WGBIE	WKNephrops 2019 has not produced information that will change the assessment/advice of data-limited Nephrops at this time. As such, the advice will remain "PA" until further developments are made.	x	MSY
Norway lobster (Nephrops norvegicus) in Division 9.a, Functional Unit 30 (Atlantic Iberian waters East and Gulf of Cadiz)	nep.fu.30	3	2022	1	October	PA	NP	WGBIE	This is a category 3 stock with no MSY proxy reference points. It was benchmarked in 2016 with the intent to establish a category 1 assessment with MSY advice, but further investments in methods, data, and assessments are needed to achieve this goal. WKNephrops 2019 has not produced information that will change the assessment/advice of data-limited Nephrops at this time. As such, the advice will remain "PA" until further developments are made.	x	MSY
Norway lobster (Nephrops norvegicus) in Division 8.c, Functional Unit 31 (southern Bay of Biscay and Cantabrian Sea)	nep.fu.31	2	2022	1	June	MSY		WGBIE	Category 2 stock with MSY based advice after WKMSYSPICT 2021		PA
Norway lobster (Nephrops norvegicus) in Division 4.a, Functional Unit 32 (northern North Sea, Norway Deep)	nep.fu.32	4.14	2022	2	June	PA	NP	WGNSSK		x	MSY
Norway lobster (Nephrops norvegicus) in Division 4.b, Functional Unit 33 (central North Sea, Horn's Reef)	nep.fu.33	4.14	2022	2	June	PA	NP	WGNSSK		x	MSY
Norway lobster (Nephrops norvegicus) in Division 4.b, Functional Unit 34 (central North Sea, Devil's Hole)	nep.fu.34	4.14	2022	2	June	PA	NP	WGNSSK		x	MSY
Norway lobster (Nephrops norvegicus) in Division 3.a, Functional units 3 and 4 (Skaøerak and Kattegat)	nep.fu.3-4	1	2022	1	October	MSY		WGNSSK		x	MSY
Norway lobster (Nephrops norvegicus) in divisions 4.b and 4.c, Functional Unit 5 (central and southern North Sea, Botney Cut-Silver Pit)	nep.fu.5	4.14	2022	2	June	PA	NP	WGNSSK		x	MSY
Norway lobster (Nephrops norvegicus) in Division 4.b, Functional Unit 6 (central North Sea, Farn Deeps)	nep.fu.6	1	2022	1	October	MSY		WGNSSK	MSY range advice provided	x	MSY/PA
Norway lobster (Nephrops norvegicus) in Division 4.a, Functional Unit 7 (northern North Sea, Fladen Ground)	nep.fu.7	1	2022	1	October	MSY		WGNSSK	MSY range advice provided	x	MSY/PA
Norway lobster (Nephrops norvegicus) in Division 4.b, Functional Unit 8 (central North Sea, Firth of Forth)	nep.fu.8	1	2022	1	October	MSY		WGNSSK	MSY range advice provided	x	MSY/PA
Norway lobster (Nephrops norvegicus) in Division 4.b, Functional Unit 9 (central North Sea, Moray Firth)	nep.fu.9	1	2022	1	October	MSY		WGNSSK	MSY range advice provided	x	MSY/PA
Norway pout (Trisopterus esmarkii) in Subarea 4 and Division 3.a (North Sea, Skaøerak and Kattegat)	nop.27.3a4	1	2022	1	October	MSY		WGNSSK			MSY
Norway pout (Trisopterus esmarkii) in Division 6.a	nop.27.6a	6.3	2024	3	June	PA		WGCSE	Other advice requester ask for PA, changed as agreed in March 2021		PA/Stock status only
Orange roughy (Hoplostethus atlanticus) in subareas 1-10, 12 and 14 (the Northeast Atlantic and adjacent waters)	ory.27.nea	6.3	2024	4	June	PA	NP	WGDDEEP			PA
Sardine (Sardina pilchardus) in Subarea 7 (Southern Celtic Seas, English Channel)	pil.27.7	3	2022	1	December	PA		WGHANSA			PA
Sardine (Sardina pilchardus) in divisions 8.a-b and 8.d (Bay of Biscay)	pil.27.8abd	1	2022	1	December	MSY		WGHANSA	DGMARE requests to have advice release in September/October and not December. This would mean the sardine advice is released spread over 3 months. Not feasible for the experts to meet 3 times.		MSY
Sardine (Sardina pilchardus) in divisions 8.c and 9.a (Cantabrian Sea and Atlantic Iberian waters)	pil.27.8c9a	1	2022	1	December	MSY		WGHANSA			MSY
Plaice (Pleuronectes platessa) in subdivisions 21-23 (Kattegat, Belt Seas, and the Sound)	ple.27.21-23	1	2022	1	May	MSY		WGBFAS			PA
Plaice (Pleuronectes platessa) in subdivisions 24-32 (Baltic Sea, excluding the Sound and Belt Seas)	ple.27.24-32	3	2022	1	May	PA		WGBFAS			PA
Plaice (Pleuronectes platessa) in Subarea 4 (North Sea) and Subdivision 20 (Skaøerak)	ple.27.420	1	2022	1	June	MSY		WGNSSK		x	MSY
Plaice (Pleuronectes platessa) in Division 7.a (Irish Sea)	ple.27.7a	1	2022	1	June	MSY		WGCSE			PA
Plaice (Pleuronectes platessa) in divisions 7.b-c (West of Ireland)	ple.27.7bc	6.2	2023	3	June	PA	NP	WGCSE	This is a category 6 stock with only landings as input data not suitable for MSY advice		PA
Plaice (Pleuronectes platessa) in Division 7.d (eastern English Channel)	ple.27.7d	1	2022	1	June	MSY		WGNSSK		x	MSY

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Plaice (<i>Pleuronectes platessa</i>) in Division 7.e (western English Channel)	ple.27.7e	3.2	2022	1	June	PA	UD	WGCSE	This is a category 3 stock with a FMSY proxy reference points. Based on these proxies, ICES can assess the stock exploitation and status relative to MSY criteria. However, the basis for advice can only be PA.	x	MSY
Plaice (<i>Pleuronectes platessa</i>) in divisions 7.f and 7.g (Bristol Channel, Celtic Sea)	ple.27.7fg	3.2	2022	1	June	PA	UD	WGCSE	Stock to be benchmarked in 2022		PA
Plaice (<i>Pleuronectes platessa</i>) in divisions 7.h-k (Celtic Sea South, southwest of Ireland)	ple.27.7h-k	3.2	2022	1	June	MSY		WGCSE	Stock benchmarked in 2021. It uses the new WKLFIE X method 2.1		PA
Plaice (<i>Pleuronectes platessa</i>) in Subarea 8 and Division 9.a (Bay of Biscay and Atlantic Iberian waters)	ple.27.89a	5.2	2023	2	June	PA		WGBIE			PA
Saithe (<i>Pollachius virens</i>) in Subareas 4, 6 and Division 3.a (North Sea, Rockall and West of Scotland, Skagerrak and Kattegat)	pok.27.3a46	1	2022	1	June	MSY		WGNSSK		x	MSY
Pollack (<i>Pollachius pollachius</i>) in Subarea 4 and Division 3.a (North Sea, Skagerrak and Kattegat)	pol.27.3a4	5.2	2024	3	June	PA		WGNSSK	Other advice requester ask for PA, changed as agreed in March 2021.		PA/Stock status only
Pollack (<i>Pollachius pollachius</i>) in subareas 6-7 (Celtic Seas and the English Channel)	pol.27.67	4.12	2022	1	June	PA	NP	WGCSE	This is a category 4 stock only with catch data available. The stock is assessed using the DAC model which is used as a proxy to MSY. However, the basis for advice can only be PA. This stock is being considered for benchmark in 2021.	x	MSY
Pollack (<i>Pollachius pollachius</i>) in Subarea 8 and Division 9.a (Bay of Biscay and Atlantic Iberian waters)	pol.27.89a	5.2	2023	2	June	PA		WGBIE			PA
Porbeagle (<i>Lamna nasus</i>) in subareas 1-10, 12 and 14 (the Northeast Atlantic and adjacent waters)	por.27.nea	6.3	2023	4	October	PA		WGEF	Undergoing benchmark 2021-2022		PA
Northern shrimp (<i>Pandalus borealis</i>) in Subareas 1 and 2	pra.27.1-2	1	2022	1	November	MSY		NIPAG			MSY
Northern shrimp (<i>Pandalus borealis</i>) in divisions 3.a and 4.a East (Skagerrak and Kattegat and northern North Sea in the Norwegian Deep)	pra.27.3a4a	1	2022	1	March	LTMS (Long term management strategy)		NIPAG	Provide standard MSY ranges in catch scenarios, not the MP ranges	x	LTMS (Long term management strategy)
Northern shrimp (<i>Pandalus borealis</i>) in Division 4.a West (northern North Sea, Fladen Ground)	pra.27.4a	6.3	2023	2	November	PA	NP	NIPAG	This is a category 6 stock with only landings as input data not suitable for MSY advice.		PA
Rays and skates (Rajidae) (mainly thornback ray (<i>Raja clavata</i>)) in subareas 10 and 12 (Azores grounds and north of Azores)	raj.27.1012	3.2	2023	2	October	PA		WGEF			PA
Rays and skates (Rajidae) in Subarea 4 and in divisions 3.a and 7.d (North Sea, Skagerrak, Kattegat, and eastern English Channel)	raj.27.3a47d	6.9	2023	2	October	PA		WGEF			PA
Rays and skates (Rajidae) in Subarea 6 and divisions 7.a-c and 7.e-h (Rockall and West of Scotland, southern Celtic Seas, western English Channel)	raj.27.67a-ce-h	6.9	2022	2	October	PA		WGEF			PA
Rays and skates (Rajidae) in Subarea 8 and Division 9.a (Bay of Biscay and Atlantic Iberian waters)	raj.27.89a	5.9	2022	2	October	PA		WGEF			PA
Beaked redfish (<i>Sebastes mentella</i>) in subareas 1 and 2 (Northeast Arctic)	reb.27.1-2	1	2022	2	June	PA		AFWG			PA
Beaked redfish (<i>Sebastes mentella</i>) in ICES subareas 5, 12, and 14 (Iceland and Faroe grounds, North of Azores, East of Greenland) and NAFO subareas 1 and 2 (deep pelagic stock > 500 m)	reb.2127.dp	2.13	2024	3	September	MSY		NWWG	A new redfish survey is planned for June/July 2021 - it could be worthwhile considering postponing advice till these data are available		MSY
Beaked redfish (<i>Sebastes mentella</i>) in ICES subareas 5, 12, and 14 (Iceland and Faroe grounds, North of Azores, East of Greenland) and NAFO subareas 1 and 2 (shallow pelagic stock < 500 m)	reb.2127.sp	3.14	2024	3	September	PA		NWWG	A new redfish survey is planned for June/July 2021 - it could be worthwhile considering postponing advice till these data are available		PA
Beaked redfish (<i>Sebastes mentella</i>) in Division 14.b, demersal (Southeast Greenland)	reb.27.14b	3.2	2022	1	June	PA		NWWG			PA
Beaked redfish (<i>Sebastes mentella</i>) in Subarea 14 and Division 5.a, Icelandic slope stock (East of Greenland, Iceland grounds)	reb.27.5a14	3.2	2022	1	September	PA		NWWG	This stock will be benchmarked in 2022, advice will be delivered at end of September due to availability of survey data for the benchmark. Potentially MSY and Cat1 will be the outcome of the benchmark.		PA
Golden redfish (<i>Sebastes norvegicus</i>) in subareas 5, 6, 12, and 14 (Iceland and Faroes grounds, West of Scotland, North of Azores, East of Greenland)	reg.27.561214	1	2022	1	June	MP		NWWG			MP
Roughhead grenadier (<i>Macrourus berglax</i>) in subareas 5-8, 10, 12 and 14 (Northeast Atlantic and Arctic Ocean)	rhg.27.nea	6.3	2025	5	June	PA	NP	WGDDEEP	There is very limited data available for this species, and some of the reported landings data are considered to be species misreporting.		PA
White skate (<i>Rostroraja alba</i>) in subareas 1-10, 12 and 14 (the Northeast Atlantic and adjacent waters)	rja.27.nea	6.3	2023	4	October	PA		WGEF			PA
Common skate complex (Blue skate (<i>Dipturus batis</i>) and flapper skate (<i>Dipturus intermedius</i>)) in Subarea 4 and Division 3.a (North Sea, Skagerrak and Kattegat)	rjb.27.3a4	6.3	2023	4	October	PA		WGEF	Other advice requester ask for PA, changed as agreed in March 2021		PA/Stock status only
Common skate complex (Blue skate (<i>Dipturus batis</i>) and flapper skate (<i>Dipturus intermedius</i>)) in Subarea 6 and divisions 7.a-c and 7.e-k (Celtic Seas and western English Channel)	rjb.27.67a-ce-k	6.3	2022	2	October	PA		WGEF	Other advice requester ask for PA, changed as agreed in March 2021		PA/Stock status only

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Common skate complex (Blue skate (<i>Dipturus batis</i>) and flapper skate (<i>Dipturus intermedius</i>) in Subarea 8 and Division 9.a (Bay of Biscay and Atlantic Iberian waters)	rjb.27.89a	6.3	2022		2 October	PA/Stock status only		WGEF			PA/Stock status only
Thornback ray (<i>Raja clavata</i>) in Subarea 4 and in divisions 3.a and 7.d (North Sea, Skagerrak, Kattegat, and eastern English Channel)	rjc.27.3a47d	3.2	2023		2 October	PA		WGEF			PA
Thornback ray (<i>Raja clavata</i>) in Subarea 6 (West of Scotland)	rjc.27.6	3.2	2022		2 October	PA		WGEF			PA
Thornback ray (<i>Raja clavata</i>) in divisions 7.a and 7.f-g (Irish Sea, Bristol Channel, Celtic Sea North)	rjc.27.7afg	3.2	2022		2 October	PA		WGEF			PA
Thornback ray (<i>Raja clavata</i>) in Division 7.e (western English Channel)	rjc.27.7e	5.2	2022		2 October	PA		WGEF			PA
Thornback ray (<i>Raja clavata</i>) in Subarea 8 (Bay of Biscay)	rjc.27.8	3.2	2022		2 October	PA		WGEF	Undergoing benchmark 2021-2022		PA
Thornback ray (<i>Raja clavata</i>) in Division 9.a (Atlantic Iberian waters)	rjc.27.9a	3.2	2022		2 October	PA		WGEF			PA
Small-eyed ray (<i>Raja microcellata</i>) in divisions 7.d and 7.e (English Channel)	rje.27.7de	5.2	2022		2 October	PA		WGEF			PA
Small-eyed ray (<i>Raja microcellata</i>) in divisions 7.f and 7.g (Bristol Channel, Celtic Sea North)	rje.27.7fg	3.2	2022		2 October	PA		WGEF			PA
Shagreen ray (<i>Leucoraja fullonica</i>) in subareas 6-7 (West of Scotland, southern Celtic Seas, English Channel)	rjf.27.67	5.2	2022		2 October	PA		WGEF			PA
Blonde ray (<i>Raja brachyura</i>) in Subarea 6 and Division 4.a (North Sea and West of Scotland)	rjh.27.4a6	5.2	2023		2 October	PA		WGEF			PA
Blonde ray (<i>Raja brachyura</i>) in divisions 4.c and 7.d (southern North Sea and eastern English Channel)	rjh.27.4c7d	3.2	2023		2 October	PA		WGEF			PA
Blonde ray (<i>Raja brachyura</i>) in divisions 7.a and 7.f-g (Irish Sea, Bristol Channel, Celtic Sea North)	rjh.27.7afg	5.2	2022		2 October	PA		WGEF			PA
Blonde ray (<i>Raja brachyura</i>) in Division 7.e (western English Channel)	rjh.27.7e	5.2	2022		2 October	PA		WGEF			PA
Blonde ray (<i>Raja brachyura</i>) in Division 9.a (Atlantic Iberian waters)	rjh.27.9a	3.2	2022		2 October	PA		WGEF			PA
Sandy ray (<i>Leucoraja circularis</i>) in subareas 6-7 (West of Scotland, southern Celtic Seas, English Channel)	rji.27.67	5.2	2022		2 October	PA		WGEF			PA
Spotted ray (<i>Raja montagui</i>) in Subarea 4 and Divisions 3.a and 7.d (North Sea, Skagerrak, Kattegat, and eastern English Channel)	rjm.27.3a47d	3.2	2023		2 October	PA		WGEF			PA
Spotted ray (<i>Raja montagui</i>) in Subarea 6 and divisions 7.b and 7.j (West of Scotland, west and southwest of Ireland)	rjm.27.67bj	3.2	2022		2 October	PA		WGEF			PA
Spotted ray (<i>Raja montagui</i>) in divisions 7.a and 7.e-h (southern Celtic Seas and western English Channel)	rjm.27.7ae-h	3.2	2022		2 October	PA		WGEF			PA
Spotted ray (<i>Raja montagui</i>) in Subarea 8 (Bay of Biscay)	rjm.27.8	3.2	2022		2 October	PA		WGEF			PA
Spotted ray (<i>Raja montagui</i>) in Division 9.a (Atlantic Iberian waters)	rjm.27.9a	5	2022		2 October	PA		WGEF			PA
Cuckoo ray (<i>Leucoraja naevus</i>) in Subarea 4 and Division 3.a (North Sea, Skagerrak and Kattegat)	rjn.27.3a4	3.2	2023		2 October	PA		WGEF			PA
Cuckoo ray (<i>Leucoraja naevus</i>) in subareas 6-7 and divisions 8.a-b and 8.d (West of Scotland, southern Celtic Seas, and western English Channel, Bay of Biscay)	rjn.27.678abd	3.2	2022		2 October	PA		WGEF	Undergoing benchmark 2021-2022		PA
Cuckoo ray (<i>Leucoraja naevus</i>) in Division 8.c (Cantabrian Sea)	rjn.27.8c	3.2	2022		2 October	PA		WGEF			PA
Cuckoo ray (<i>Leucoraja naevus</i>) in Division 9.a (Atlantic Iberian waters)	rjn.27.9a	3.2	2022		2 October	PA		WGEF			PA
Starry ray (<i>Amblyraja radiata</i>) in Subareas 2 and 4, and Division 3.a (Norwegian Sea, North Sea, Skagerrak and Kattegat)	rjr.27.23a4	3.14	2023		4 October	PA		WGEF			PA
Undulate ray (<i>Raja undulata</i>) in divisions 7.b and 7.j (west and southwest of Ireland)	rju.27.7bj	6.3	2022		2 October	PA		WGEF			PA
Undulate ray (<i>Raja undulata</i>) in divisions 7.d and 7.e (English Channel)	rju.27.7de	3.2	2022		2 October	PA		WGEF	Undergoing benchmark 2021-2022		PA
Undulate ray (<i>Raja undulata</i>) in divisions 8.a-b (northern and central Bay of Biscay)	rju.27.8ab	6	2022		2 October	PA		WGEF			PA
Undulate ray (<i>Raja undulata</i>) in Division 8.c (Cantabrian Sea)	rju.27.8c	6.9	2022		2 October	PA		WGEF			PA
Undulate ray (<i>Raja undulata</i>) in Division 9.a (Atlantic Iberian waters)	rju.27.9a	6.9	2022		2 October	PA		WGEF			PA
Roundnose grenadier (<i>Coryphaenoides rupestris</i>) in subareas 1, 2, 4, 8, and 9, Division 14.a, and in subdivisions 14.b.2 and 5.a.2 (Northeast Atlantic and Arctic Ocean)	rng.27.1245a8914ab	6.2	2023		4 June	PA	NP	WGDEEP	x		PA
Roundnose grenadier (<i>Coryphaenoides rupestris</i>) in Division 3.a (Skagerrak and Kattegat)	rng.27.3a	3.2	2022		2 June	PA		WGDEEP			PA
Roundnose grenadier (<i>Coryphaenoides rupestris</i>) in Divisions 10.b and 12.c, and Subdivisions 12.a.1, 14.b.1, and 5.a.1 (Oceanic Northeast Atlantic and northern Reykianes Ridge)	rng.27.5a10b12ac14b	5.2	2023		4 June	PA		WGDEEP			PA
Roundnose grenadier (<i>Coryphaenoides rupestris</i>) in subareas 6-7 and divisions 5.b and 12.b (Celtic Seas and the English Channel, Faroes grounds, and western Hattin Bank)	rng.27.5b6712b	5.2	2022		2 June	PA		WGDEEP			MSY
Salmon (<i>Salmo salar</i>) in subdivisions 22-31 (Baltic Sea, excluding the Gulf of Finland)	sal.27.22-31	1	2022		1 May	MSY		WGBAST			MSY
Salmon (<i>Salmo salar</i>) in Subdivision 32 (Gulf of Finland)	sal.27.32	3	2022		1 May	MSY		WGBAST			MSY

Stock Name	Stock key label	Stock category	Year of next assessment	Periodicity (in years)	Month of release	Advice category for 2022; for MSY ranges should be provided where available	MSY advice basis under development (UD)/not possible (NP) for next advice	EG	COMMENT	Target stock according to MAP	Advice category according to legal obligation
Sole (<i>Solea solea</i>) in divisions 8.c and 9.a (Cantabrian Sea and Atlantic Iberian waters)	sol.27.8c9a	3	2023		2 June	MSY		WGBIE	ICES to produce advice for three species <i>Solea Solea</i> , <i>Solea Senegalensis</i> and <i>Solea Lasgari</i> separately. ICES is not at a point where separate assessments can be made for these stocks and a simple split based on proportion caught could pose a risk to the weaker stocks. ICES suggests that this will added to the WGBIE work program for the coming years/alternative WG to explore. For 2022, an overall TAC for the three sole species was set, with a sub-TAC for <i>Solea solea</i> . It remains important for the Commission that ICES also provides advice on <i>Solea Senegalensis</i> and <i>Solea Lasgari</i> as soon as possible. The Commission would also be grateful if ICES could explain why it is too early to provide an assessment on the other two species and what Member States could do to enable ICES to conduct such an assessment.	x	MSY
Sprat (<i>Sprattus sprattus</i>) in Subdivisions 22-32 (Baltic Sea)	spr.27.22-32	1	2022		1 May	MSY		WGBFAS		x	MSY
Sprat (<i>Sprattus sprattus</i>) in Division 3.a and Subarea 4 (Skagerrak, Kattegat and North Sea)	spr.27.3a4	1	2022		1 April	MSY		HAWG			MSY
Sprat (<i>Sprattus sprattus</i>) in Subarea 6 and Divisions 7.a-c and 7.f-k (West of Scotland, southern Celtic Seas)	spr.27.67a-cf-k	5.2	2023		2 June (could we have it in April?) Yes if agreed with UK	PA		HAWG			PA
Sprat (<i>Sprattus sprattus</i>) in divisions 7.d and 7.e (English Channel)	spr.27.7de	3.2	2022		1 April	PA		HAWG	As a category 3 stock only PA advice is possible - no reference points currently		MSY
Lesser-spotted dogfish (<i>Scyliorhinus canicula</i>) in Subarea 4 and Divisions 3.a and 7.d (North Sea, Skagerrak and Kattegat, eastern English Channel)	syc.27.3a47d	3.9	2023		2 October	PA		WGEF			PA
Lesser-spotted dogfish (<i>Scyliorhinus canicula</i>) in Subarea 6 and divisions 7.a-c and 7.e-j (West of Scotland, Irish Sea, southern Celtic Seas)	syc.27.67a-ce-j	3.9	2023		2 October	PA		WGEF			PA
Lesser-spotted dogfish (<i>Scyliorhinus canicula</i>) in divisions 8.a-b and 8.d (Bay of Biscay)	syc.27.8abd	3.9	2023		2 October	PA/Stock status only		WGEF			PA/Stock status only
Lesser-spotted dogfish (<i>Scyliorhinus canicula</i>) in divisions 8.c and 9.a (Cantabrian Sea and Atlantic Iberian waters)	syc.27.8c9a	3.9	2023		2 October	PA/Stock status only		WGEF			PA/Stock status only
Greater-spotted dogfish (<i>Scyliorhinus stellaris</i>) in subareas 6 and 7 (West of Scotland, southern Celtic Sea, and the English Channel)	syt.27.67	3.9	2023		2 October	PA		WGEF			PA
Thresher sharks (<i>Alopias</i> spp.) in Subareas 10, 12, Divisions 7.c-k, 8.d-e, and Subdivisions 5.b.1, 9.b.1, 14.b.1 (Northeast Atlantic)	thr.27.nea	6.3	2023		4 October	PA		WGEF			PA
Sea trout (<i>Salmo trutta</i>) in subdivisions 22-32 (Baltic Sea)	trs.27.22-32	3	2023		2 May	PA		WGBAST			PA
Roughsnout grenadier (<i>Trachyrincus scabrus</i>) in subareas 1-2, 4-8, 10, 12, 14 and Division 3a (Northeast Atlantic and Arctic Ocean)	tsu.27.nea	6.3	2025		5 June	PA		WGDEEP	Few data are available for this species, and the reported landings data are considered to be species misreporting and misidentification. As the stock of Roughsnout grenadier (<i>Trachyrincus scabrus</i>) (TSU) in the Northeast Atlantic (is considered to include catches of <i>T. scabrus</i> and <i>T. murrayi</i>). All three species are non-commercial and are not likely to become of commercial interest in the foreseeable future, it is recommended that these species are no longer considered by ICES in terms of stock assessment. Occasional catch of large individuals may only result in minor landings. Significant reported landings of these species should be considered misreporting of other species, most probably of the roundnose grenadier. There is no data to assess these species, they have minor (if any) commercial interest and are not of conservation concern, thus provision of catch advice could be reconsidered in terms of added value?		PA
Turbot (<i>Scophthalmus maximus</i>) in Subdivisions 22-32 (Baltic Sea)	tur.27.22-32	3.2	2024		2 May	PA/Stock status only		WGBFAS			PA/Stock status only
Turbot (<i>Scophthalmus maximus</i>) in Division 3.a (Skagerrak and Kattegat)	tur.27.3a	3.2	2022		1 June	MSY		WGNSSK			PA/Stock status only
Turbot (<i>Scophthalmus maximus</i>) in Subarea 4 (North Sea)	tur.27.4	1	2022		1 June	MSY		WGNSSK			PA
Tusk (<i>Brosme brosme</i>) in subareas 1 and 2 (Northeast Arctic)	usk.27.1-2	3.2	2023		2 June	PA		WGDEEP			PA
Tusk (<i>Brosme brosme</i>) in Subarea 12, excluding Division 12.b (southern Mid-Atlantic Ridge)	usk.27.12ac	6.3	2024		5 June	PA		WGDEEP			PA

Annex II and IIIb

Stock Name	Stock key label	Stock category	Year of next assessment	Periodicity (in years)	Month of release	Advice category for 2022; for MSY ranges should be provided where available	MSY advice basis under development (UD)/not possible (NP) for next advice	EG	COMMENT	Target stock according to MAP	Advice category according to legal obligation
Tusk (Brosme brosme) in subareas 4 and 7-9 and divisions 3.a, 5.b, 6.a, and 12.b (Northeast Atlantic)	usk.27.3a45b6a7-912b	3.2	2023	2	June	PA		WGDEEP			PA
Tusk (Brosme brosme) in Division 6.b (Rockall)	usk.27.6b	5.2	2022	2	June	PA		WGDEEP			PA
Blue whiting (Micromesistius poutassou) in subareas 1-9, 12, and 14 (Northeast Atlantic and adjacent waters)	wib.27.1-91214	1	2022	1	September	LTMS (Long term management strategy)		WGWIDE			LTMS (Long term management strategy)
Whiting (Merlangius merlangus) in Division 3.a (Skagerrak and Kattegat)	whg.27.3a	3	2022	2	June	PA/Stock status only		WGNSSK	This was upgraded to a cat.3 stock in 2020		PA/Stock status only
Whiting (Merlangius merlangus) in Subarea 4 and Division 7.d (North Sea and eastern English Channel)	whg.27.47d	1	2022	1	June	MSY		WGNSSK		x	MSY
Whiting (Merlangius merlangus) in Division 6.a (West of Scotland)	whg.27.6a	1	2022	1	June	MSY		WGCSE	This stock was benchmarked in 2021. Due to the change in stock category (now category 1) new advice will be given despite current is still valid		PA
Whiting (Merlangius merlangus) in Division 6.b (Rockall)	whg.27.6b	6.2	2024	3	June	PA	NP	WGCSE	This is a category 6 stock with only landings as input data not suitable for MSY		PA
Whiting (Merlangius merlangus) in Division 7.a (Irish Sea)	whg.27.7a	1	2023	2	June	MSY		WGCSE	This is a category 1 analytical assessment and ICES advice basis is MSY.		PA
Whiting (Merlangius merlangus) in divisions 7.b-c and 7.e-k (southern Celtic Seas and eastern English Channel)	whg.27.7b-ce-k	1	2022	1	June	MSY		WGCSE		x	MSY
Whiting (Merlangius merlangus) in Subarea 8 and Division 9.a (Bay of Biscay and Atlantic Iberian waters)	whg.27.89a	5.2	2023	2	June	PA	NP	WGBIE	This is a category 5 stock with a FMSY proxy reference point. Stock ID issues, a lack of stock size data and an accepted analytic assessment limit this stock's ability for MSY advice at this time.	x	MSY
Witch (Glyptocephalus cynoglossus) in Subarea 4 and divisions 3.a and 7.d (North Sea, Skagerrak and Kattegat, eastern English Channel)	wit.27.3a47d	1	2022	1	June	MSY		WGNSSK			PA
Greater silver smelt (Argentina silus) in subareas 7-10 and 12, and Division 6.b (other areas)	aru.27.6b7-1012	3.2	2023	2	June	PA		WGDEEP			PA
Saithe in subareas 7-10	tbd				2				New stock		0
Herring (Western Channel and Bristol Channel)	tbd				2				New stock		
Plaice (West of Scotland)	tbd				2				New stock		
Sole (West of Scotland)	tbd				2				New stock		
Atlantic halibut (hippoglossus hippoglossus)	tbd				4				This species used to be a common, commercially fished resource but now seems extirpated in most northern waters. It is a species that somehow has become "missed" from ICES advice as it is not assessed as a commercial species and not either assessed as a sensitive or protected bycatch species		

Species	Management area
cod	Subdivisions 22-24
cod	Subdivisions 25-32
herring	Subdivisions 22-24: 50% of the advised fishing possibility for herring Division IIIa and Subdivisions 22-24 should be allocated to Subdivisions 22-24.
herring	Division IIIa: 50% of the advised fishing possibility for herring Division IIIa and Subdivisions 22-24 should be allocated to Subarea IV and Division IIIa.
herring	Subdivisions 30-31
herring	Subdivisions 25-29 (excluding Gulf of Riga) and 32
herring	Subdivision 28.1 (Gulf of Riga)
plaice	Subdivision 21
plaice	Subdivisions 22-32