

DECISIONS

COMMISSION IMPLEMENTING DECISION (EU) 2022/39

of 12 January 2022

laying down rules on the format and timetables for the submission of national work plans and annual reports on data collection in the fisheries and aquaculture sectors, and repealing Implementing Decisions (EU) 2016/1701 and (EU) 2018/1283

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) 2017/1004 of the European Parliament and of the Council of 17 May 2017 on the establishment of a Union framework for the collection, management and use of data in the fisheries sector and support for scientific advice regarding the common fisheries policy and repealing Council Regulation (EC) No 199/2008 ⁽¹⁾, and in particular Articles 6(5) and 11(1) thereof,

Whereas:

- (1) Regulation (EU) No 1380/2013 of the European Parliament and of the Council ⁽²⁾ requires the Member States to collect biological, environmental, technical and socioeconomic data necessary for fisheries management.
- (2) According to Article 6(1) of Regulation (EU) 2017/1004, the Member States are to collect such data within the framework of a national work plan. Such plans, to be submitted to the Commission by 15 October of the year preceding that from which they apply, are to be drawn up in accordance with the multiannual Union programme for the collection, management and use of data in the fisheries and aquaculture sectors ('EU MAP').
- (3) The EU MAP is provided for by Commission Delegated Decision (EU) 2021/1167 ⁽³⁾ and Commission Implementing Decision (EU) 2021/1168 ⁽⁴⁾.
- (4) According to Article 6(5) of Regulation (EU) 2017/1004, the Commission may adopt implementing acts laying down rules on procedures, format and timetables for the submission of these work plans.
- (5) It is appropriate to lay down the format of the national work plans, in accordance with the data requirements laid down in the EU MAP. In order to ensure compliance with the submission deadline of national work plans applicable for the period from 2022, which is 15 October 2021, the format provided for by this Decision was made available to the Member States on 19 July 2021 and the Member States agreed to submit their work plans based on this format.
- (6) The period of validity of national work plans used to match the EU MAP timeframe. The current EU MAP will not expire on a set date, hence the validity period of the national work plans should be laid down in this Decision. The first national work plans submitted in accordance with this Decision should cover a period of three to six years

⁽¹⁾ OJ L 157, 20.6.2017, p. 1.

⁽²⁾ Regulation (EU) No 1380/2013 of the European Parliament and of the Council of 11 December 2013 on the Common Fisheries Policy, amending Council Regulations (EC) No 1954/2003 and (EC) No 1224/2009 and repealing Council Regulations (EC) No 2371/2002 and (EC) No 639/2004 and Council Decision 2004/585/EC (OJ L 354, 28.12.2013, p. 22).

⁽³⁾ Commission Delegated Decision (EU) 2021/1167 of 27 April 2021 establishing the multiannual Union programme for the collection and management of biological, environmental, technical and socioeconomic data in the fisheries and aquaculture sectors from 2022 (OJ L 253, 16.7.2021, p. 51).

⁽⁴⁾ Commission Implementing Decision (EU) 2021/1168 of 27 April 2021 establishing the list of mandatory research surveys at sea and thresholds as part of the multiannual Union programme for the collection and management of data in the fisheries and aquaculture sectors from 2022 (OJ L 253, 16.7.2021, p. 92).

starting from 1 January 2022, to provide necessary stability of data collection. The application period of single or successive national work plans should not exceed 31 December 2027, to align with the programming period of Regulation (EU) 2021/1139 establishing the European Maritime, Fisheries and Aquaculture Fund ⁽⁵⁾.

- (7) According to Article 11(1) of Regulation (EU) 2017/1004, the Member States are to submit to the Commission annual reports on the implementation of their national work plans for data collection in the fisheries and aquaculture sectors. The Commission may adopt implementing acts laying down rules on procedures, format and timetables for the submission and approval of those reports.
- (8) It is appropriate to lay down the format of the annual reports in accordance with the data requirements laid down in the EU MAP. As the annual reports and the national work plans are based on the same format, that format should be used by the Member States for reporting on the implementation of the national work plans that will be in place from 1 January 2022.
- (9) As the annual reports and the national work plans are based on the same format, the format from Commission Implementing Decision (EU) 2018/1283 ⁽⁶⁾ should be used by the Member States for reporting on the implementation of the national work plans in place for the year 2021.
- (10) In order to allow for timely disclosure of the outcomes of national data collection work plans and timely provision of data to end users, the deadline for the submission of the annual reports should be set as 31 May of the year following the year in which the work plan has been implemented.
- (11) The Commission has taken into account the recommendations made by the Scientific, Technical and Economic Committee for Fisheries ⁽⁷⁾. Representatives of the Member States gathered in dedicated expert groups have also been consulted.
- (12) Commission Implementing Decisions (EU) 2016/1701 ⁽⁸⁾ and (EU) 2018/1283 lay down rules on the submission of the national work plans and annual reports in accordance with the data requirements of the previous EU MAP. Those Decisions should be repealed, as this Decision provides for the rules for the submission of those plans and reports in accordance with the new data requirements.
- (13) The measures provided for in this Decision are in accordance with the opinion of the Committee for fisheries and aquaculture,

HAS ADOPTED THIS DECISION:

Article 1

Content and application period of work plans

1. The format of the national work plans for data collection, in accordance with the multiannual Union programme for the collection, management and use of data in the fisheries and aquaculture sectors ('EU MAP') established by Commission Delegated Decision (EU) 2021/1167 and Commission Implementing Decision (EU) 2021/1168, is set out in the Annex to this Decision.

⁽⁵⁾ Regulation (EU) 2021/1139 of the European Parliament and of the Council of 7 July 2021 establishing the European Maritime, Fisheries and Aquaculture Fund and amending Regulation (EU) 2017/1004 (OJ L 247, 13.7.2021, p. 1).

⁽⁶⁾ Commission Implementing Decision (EU) 2018/1283 of 24 August 2018 laying down rules on the format and timetables for the submission of annual data collection reports in the fisheries and aquaculture sectors (OJ L 242, 26.9.2018, p. 1).

⁽⁷⁾ STECF 19-03, 20-01 reports of EWG 19-12, 20-16, 20-18 (link to publication).

⁽⁸⁾ Commission Implementing Decision (EU) 2016/1701 of 19 August 2016 laying down rules on the format for the submission of work plans for data collection in the fisheries and aquaculture sectors (OJ L 260, 27.9.2016, p. 153).

2. The first national work plans shall cover a period of minimum 3 years and maximum 6 years, starting on 1 January 2022 and ending, at the latest, on 31 December 2027. The application period of any successive national work plans shall end, at the latest, on 31 December 2027.

Article 2

Content and deadline for the submission of annual reports

1. Annual reports on the implementation of data collection work plans in accordance with the EU MAP shall be submitted in accordance with the format set out in the Annex to this Decision.
2. The Member States shall submit, by 31 May of each year, the annual reports concerning the implementation of data collection work plans in the previous calendar year.

Article 3

Repeal of Implementing Decisions (EU) 2016/1701 and (EU) 2018/1283

1. Implementing Decisions (EU) 2016/1701 and (EU) 2018/1283 are repealed.
2. By 31 May 2022, the Member States shall submit the annual reports based on the format from Commission Implementing Decision (EU) 2018/1283.

Article 4

Entry into force

This Decision shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

Done at Brussels, 12 January 2022.

For the Commission
The President
Ursula VON DER LEYEN

ANNEX

I – Format of the work plans and the annual reports**I.1 General layout and drafting principles**

The work plans and annual reports contain information grouped in tables and text boxes. This annex lists these tables and text boxes, and describes their fields.

Where a Member State does not conduct data collection in sectors covered by certain tables or text boxes, it is not obliged to submit the corresponding tables or text boxes in the work plan (WP) or annual report (AR). Member States shall indicate by (Y/N) in the summary table of the WP which tables and text boxes are included and which are not.

The grey-shaded sections of tables and text boxes relate only to the annual reports. The remaining sections relate to the work plans and must be copied unaltered to the relevant annual report. Columns containing formulas should fill in automatically.

I.2 Compiling the annual report

Member States shall first transfer the information from their adopted work plans to each corresponding table and text box in the annual report, and then fill in the additional grey-shaded columns.

When compiling the annual report, Member States shall not edit any values in tables or text boxes that originate from their accepted work plans, with the exception of:

- Table 1.2: meetings not included in the work plan may be inserted as additional rows, highlighted in grey, at the end of the table.
- Table 1.3: new agreements not included in the work plan may be inserted as additional rows, highlighted in grey, at the end of the table.
- Table 2.1: species not included in the work plan may be inserted as additional rows, highlighted in grey, at the end of the table.
- Table 2.2: new species, parameters or sampling schemes not included in the work plan may be inserted as additional rows, highlighted in grey, at the end of the table.
- Table 2.5: new sampling schemes or frames not included in the work plan may be inserted as additional rows, highlighted in grey, at the end of the table.

Table 1.4 applies only to the annual report. Member States shall use it to specify their follow-up to the recommendations and agreements related to the data collected under the DCF at EU and international level.

Where necessary, Member States shall explain deviations from the work plan in the relevant 'AR comments' in the tables, and in the text boxes in the annual report. In the text boxes, they shall specify actions that will be taken to avoid deviations from the work plan in the future.

I.3 Consistent naming and codification, compliance with conventions

Member States shall apply consistent naming and coding of gears, species, metiers, fishing grounds and alike throughout the tables and text boxes of the work plans and annual reports.

Where applicable, Member States shall use codes and names from relevant tables in the annexes to the EU MAP decisions and other international conventions, including those agreed by regional coordination groups.

If a Member State operates in several regions, it shall present its data collection activities per region, for biological data, and per supra region, for economic data. The regional stratification is included in Table 2 of the Annex to Commission Implementing Decision (EU) 2021/1168. The Member State shall present its activities outside EU waters grouped in regional sections and within the region, by regional fisheries (management) organisation or other international organisation. The same division shall be maintained throughout the tables and the text boxes in the work plans and annual reports.

II – Description of tables and text boxes

1: General information

Data collection framework at national level

General comment: Use this text box to describe how data collection is organised in your Member State (institutions involved, contact information) and in which regional coordination groups (RCG) your Member State participates.

Outline the general framework of the national data collection programme in relation to the relevant sections of the EU MAP. If applicable, indicate major methodological changes in approach compared to previous year(s), and to which section(s) they apply.

Give full name, acronym and contact details of all institutes that contribute to the data collection activities, and describe briefly their role in the work plan.

Provide a link to the national data collection website, if there is one.

(max. 1 000 words)

Table 1.1: Data availability

General comment: This table fulfils Article 6(3)(e) of Regulation (EU) 2017/1004. Use this table to provide information on data availability per data set.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'.
Region	See MasterCodeList 'Regions'. If information refers to all regions, use code 'all regions'.
RFMO/RFO/IO	Enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisations (IO) providing management/advice on the species/stock. See MasterCodeList 'RFMO/RFO/IO'. If no RFMO, RFO or IO is applicable, use 'NA' (not applicable).
WP table	Indicate the specific table in the work plan with details of the corresponding data.
Data set	Indicate the data set for which information on availability will be given. See MasterCodeList 'Data set'.
Data subset	Indicate the subset for which information on availability will be given. See MasterCodeList 'Data subset'.
Specific item	Free text if needed
Implementation year	Indicate the year or years in which the work plan will be implemented.
Reference year	Indicate the year for which data will be collected (e.g. 'N', 'N-1'). The year of implementation is 'N'.
Availability of the data	Indicate when the data collected during the reference year is planned to be available. Be as precise as possible (e.g. 'N+1', 'N+1-2nd quarter', 'N+1, specific date', etc.).

WP comments	Any further comments
<i>General comment: Member States should provide information on the data availability per data set. New data not included in the work plan may be added as additional rows, highlighted in grey, at the end of the table.</i>	
Time when data were available	Indicate when data were made available.
AR comments	Add comments to clarify any deviation from the work plan.

Table 1.2: Planned regional and international coordination

General comment: This table fulfils Article 7(2)(c) of Regulation (EU) 2017/1004. Use this table to provide information on the planned participation of the Member State in meetings relevant for data collection under the DCF.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'.
Meeting acronym	Indicate an official acronym for meetings your Member State plans to attend. As a minimum, indicate the national coordination meeting even if your Member State decided not to organise it; all RCG meetings where your Member State is involved; annual meetings of the RCG where your Member State is not involved; the Liaison meeting; the National Correspondents' meeting. If some meetings cannot be planned by the time the WP is submitted, you may add the meetings which your Member State has attended in the AR. Indicate in 'WP comments' column if your Member State does not organise a national meeting or does not participate in an RCG.
Name of meeting	Enter the full official name of the meetings that your Member State plans to attend. Do not leave empty cells if you filled the 'Meeting acronym' column. Indicate in 'WP comments' column if you do not organise a national meeting or do not participate in an RCG.
RFMO/RFO/IO	Enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisations (IO) providing management/advice on the species/stock. See MasterCodeList 'RFMO/RFO/IO'. If no RFMO, RFO or IO is applicable, use 'NA' (not applicable).
WP comments	Any further comments.
<i>General comment: Member States should provide information on the number of meetings related to the DCF that they attended. New meetings not included in the work plan may be added as additional rows, highlighted in grey, at the end of the table.</i>	
Number of MS participants	Indicate the number of participants from your Member State per meeting. Enter '0' if no participants attended the meeting.
AR comments	Add comments to clarify any deviation from the work plan.

Table 1.3: Bi- and multi-lateral agreements

General comment: This table fulfils Article 6(3)(f) of Regulation (EU) 2017/1004. Use this table to provide information on the agreements with other Member States and how European and international obligations are met. List only current and planned agreements. If an agreement expires during a period covered by the WP, mark it as 'obsolete' in the 'AR comments' for the year in which it is no longer in force.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'. Enter all Member States involved in an agreement. Separate multiple entries by a semicolon.
Name of the agreement	Indicate the name of the agreement. The Member States concerned should apply the same name for the same agreement.
Contact persons	Provide the name and email address of the national correspondent from each Member State involved in the agreement.
Content	Describe briefly the aim and content of the agreement. Provide an unambiguous full reference or a valid link to the documentation of the agreement, where relevant, in the 'WP comments' column.
Coordination	Describe briefly how the coordination is done/will be done and by whom.
Description of sampling/sampling protocol/sampling intensity	Describe briefly the sampling to be carried out under the agreement.
Data transmission	Indicate which Member State is or will be responsible for submitting which data set.
Access to vessels	Indicate by (Y/N) if the agreement implies any form of access to other partners' vessels. If access is implied, specify it (boarding, sharing samples at landing etc.) in 'WP comments' column.
Validity	Indicate the year when the agreement expires or the year when the agreement was/will be signed, if it is automatically extended annually.
WP comments	Any further comments.
<i>General comment: Member States should provide information on changes to ongoing agreements. New agreements not included in the work plan may be added as additional rows, highlighted in grey, at the end of the table.</i>	
AR comments	Add comments if there were any changes to the agreements during the implementation year. Use 'ongoing' if the agreement is still operational; 'obsolete' if it is no longer in force; 'new' if the agreement has been added.

Table 1.4: Follow-up of recommendations and agreements

General comment: This table fulfils Article 6(3)(g) of Regulation (EU) 2017/1004. Use this table to provide information on how your Member State plans to fulfil the recommendations and agreements relating to data collection under the DCF at European and international level and how European and international obligations are met.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'.
Region	See MasterCodeList 'Regions'. If information refers to all regions, use code 'all regions'.

RFMO/RFO/IO	Enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisations (IO) providing management/advice on the species/stock. See MasterCodeList 'RFMO/RFO/IO'. If no RFMO, RFO or IO is applicable, enter 'NA' (not applicable).
Source of recommendation/agreement	Indicate the source of the recommendation as an acronym of a relevant Regional Coordination Group (RCG), Liaison Meeting (LM), STECF Expert Working Group (EWG), e.g. 'LM 2020', 'STECF EWG 20-08'.
EU MAP section	Indicate to which paragraph in the EU MAP Delegated Decision annex the recommendation relates (e.g. 1. General principles, 5. Socioeconomic data on fisheries, etc.). If a recommendation relates to several sections, indicate all of them. If a recommendation applies to all EU MAP sections, insert 'all'.
Topic	Indicate the topic to which the recommendation applies, e.g. 'Data quality', 'Surveys' etc.
Recommendation number	If applicable, indicate the specific recommendation number. Otherwise, enter 'NA'.
Recommendation/Agreement	Refer only to the recommendations and agreements applicable to your Member State. There is no need to list recommendations and agreements that do not apply to your Member State (e.g. on Terms of Reference of expert groups, on actions to be taken by the Commission, etc.). For agreements, the Member States concerned should apply the same description for the same agreement.
Follow-up action	Describe briefly the follow-up actions taken or to be taken.
AR comments	Any further comments.

Text Box 1a: Test studies description

General comment: This text box fulfils Chapter II, point 1.2 of the EU MAP Delegated Decision annex.

1. Aim of the test study
2. Duration of the test study
3. Methodology and expected outcomes of the test study

(max. 900 words per study)

Brief description of the results (including deviations from the plan and justifications as to why if this was the case).

Achievement of the original expected outcomes of the study and justification if this was not the case.

Incorporation of study results into regular sampling by the Member State.

(max. 900 words per study)

Text Box 1b: Other data collection activities

General comment: Use this text box to provide information on other data collection activities that relate to your EMFAF operational programme and need to be included in the work plan and the annual report. Describe activities that are funded by the DCF but fulfil objectives under other EMFAF priorities, like marine knowledge, or activities funded by the DCF, but without a direct link to the EU MAP specific requirements or WP template tables, like freshwater fisheries. You can also include one-off specific studies for a particular end-user need that do not enter the regular data collection.

1. Aim of the data collection activity
2. Duration of the data collection activity
3. Methodology and expected outcomes of the data collection activity

(max 900 words per activity)

Brief description of the results (including deviations from the plan and justifications as to why if this was the case).

Achievement of the original expected outcomes and justification if this was not the case.

Follow-up to the activities (what are the next steps, how the results will be used).

(max 900 words per activity)

- 2: Biological data

Table 2.1: List of required species/stocks

General comment: This table fulfils Article 5(2)(a), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004 and Chapter II point 2.1(a) of the EU MAP Delegated Decision annex. This table is intended to specify data to be collected under Table 1 of the EU MAP Delegated Decision annex. Use this table to give an overview of the collection of data at the level of area/stock. All individuals sampled shall be identified to species level and have length measurements taken, where possible. Other biological data different from length are specified in Table 2.2, and may include data collected under the surveys at sea.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'.
Reference period	Indicate the year(s) to which the data actually refer. Select the three most recent representative years before the first year of the WP period (no update of reference period needed within the WP period), with the data available. Give the reference years as e.g. '2018-2020'. When the reference period differs from the most recent three years, clarify it in the 'WP comments' column.
Region	See MasterCodeList 'Regions'. If information refers to all regions, use code 'all regions'.
RFMO/RFO/IO	Enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisations (IO) providing management/advice on the species/stock. See MasterCodeList 'RFMO/RFO/IO'. If no RFMO, RFO or IO is applicable, enter 'NA' (not applicable).

Species	<p>Indicate the scientific name of all the species/stocks listed in Table 1 of the EU MAP Delegated Decision annex, for all regions and areas where your Member State's fishing fleet operates.</p> <p>When the fleet operates in a combined region (e.g. Mediterranean and Black Sea), list all species for that region. You may add additional rows, at the end, for species or stock not included in Table 1 of the EU MAP Delegated Decision annex, for which sampling is required by your Member State, RFMOs or is agreed at marine region level. Justify such an inclusion in the 'WP comments' column.</p>
Area	<p>Indicate the area for the mentioned species/stock, in accordance with column 3 of Table 1 of the EU MAP Delegated Decision annex.</p>
Average landings in the reference years (tonnes)	<p>Enter the average landings per year in the statistics reference period for each species and stock. If the species is not landed at all, then enter 'None'. Provide the exact number of tonnes without decimal positions.</p>
Data source used for average national landings	<p>Enter the data source for the average national landings. See MasterCodeList 'Data Source'.</p>
EU TAC (if any) (%)	<p>Only applies to stocks that are subject to TAC and quota regulations.</p> <p>Enter 'None', if your Member State has no share in the EU TAC of the stock concerned.</p> <p>Enter the percentage of the share (value between 0 and 100) if your Member State has a share in the EU TAC of the stock concerned.</p> <p>If the TAC refers to several combined species, enter the percentage of the share in the TAC for each species and indicate the combination in the 'WP comments' column. In case of a significant quota swap (more than 50 % of the TAC share), indicate the volume of the swap in the 'WP comments' column.</p> <p>Enter 'NA' if the stock is not managed by TAC. In this case fill in the 'Share (%) in EU landings' column.</p>
Share (%) in EU landings	<p>Applies to all stocks for which no TACs have been defined (yet). Enter 'None', if your Member State has no landings of the stock concerned. Enter the percentage of the share (value between 0 and 100), if your Member State has landings of the stock concerned.</p>
Data source used for EU landings	<p>Enter the data source for EU landings. See MasterCodeList 'Data source'.</p>
Threshold rules used	<p>Indicate which threshold rules apply, when a species is not selected for sampling. For species that are selected for sampling enter 'None'. For diadromous species enter 'None', as no thresholds apply to them under the EU MAP. Use the hierarchy of rules: 1) 'TAC < 10 %', 2) 'Landings < 10 %', 3) 'Landings < 200t'.</p> <p>If your Member State has no landings/catches in a given 'species*area', enter 'Landings < 200 t'.</p> <p>See MasterCodeList 'Threshold rules used'.</p>
Regional coordination agreement at stock level	<p>Enter 'Y' (yes) or 'N' (no) if there is a regional agreement on sampling the stock. If there is a regional agreement, refer to the name of the agreement in Table 1.3. If different multispecies sampling schemes apply to the same stock and not all of them are regionally coordinated, explain the situation in the 'WP comments' column.</p>

Covered by a commercial sampling scheme for length	Enter 'Y' (yes) or 'N' (no) if the species/stock is covered by a commercial sampling for length. A stock is considered to be covered by sampling if length structures have been sent to end users routinely during the last three years, or if it is covered by a new sampling frame with a plan to send the length structure to the relevant RFMO/RFO/IO in the future.
Selected for sampling of biological variables	Enter 'Y' (yes) if the species/stock has been selected for sampling for at least one variable of Table 2.2 of the work plan, and enter 'N' (no) if otherwise. Make sure that all stocks marked by a 'Y' in this field have an entry in Table 2.2.
WP comments	Any further comments.
<i>General comment: Member States should provide information on the number of fish individuals measured for each species/stock. New species/stock, not included in the work plan, may be inserted as additional rows highlighted in grey, at the end of the table.</i>	
Achieved number of individuals measured for length at national level from commercial sampling	Indicate the total number of fish individuals measured for length at national level from commercial fisheries.
Achieved number of samples for length at national level from commercial sampling	Indicate the number of samples (primary sampling units – PSUs) from commercial fisheries from which the number of individuals was obtained. Even when a species is not selected for sampling, but data are collected, put the number of samples here.
AR comments	Add comments to clarify possible differences between the achieved numbers compared to the expectations based on the protocol. Indicate in this column if extended comments are given in Text Box 2.1. You may add any further comments.

Text Box 2.1: List of required species/stocks

General comment: This text box fulfils Article 5(2)(a), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004 and Chapter II point 2.1(a) of the EU MAP Delegated Decision annex. This text box applies to the annual report and complements Table 2.1.

Deviations from the work plan

List the deviations (if any) in the achieved data collection (lengths only) compared to what was planned.

The general reasons for deviations from the work plan in terms of planned vs. achieved data collection should be summarised in this section, while detailed comments on deviations on particular species/stocks should be included in the 'AR comments' column in Table 2.1.

Actions to avoid deviations

Describe the actions that will be considered/have been taken to avoid deviations in the future and when these actions are expected to produce an effect. If there are no deviations, then this section is not applicable.

(One text box of max. 1 000 words per region/RFMO/RFO/IO)

Table 2.2: Planning of sampling for biological variables

General comment: This table fulfils Article 5(2)(a), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004 and Chapter II point 2.1(a) of the EU MAP Delegated Decision annex. This table is intended to specify biological data (other than length) to be collected under Table 1 of the EU MAP Delegated Decision annex. For species listed in this table, biological variables (age, weight, sex ratio, maturity and fecundity) that are planned to be collected shall be shown. The table shall also include data collected under the surveys at sea specified in Table 2.6, and from recreational fisheries specified in Table 2.4. For commercial fisheries, this table should be consistent with Table 2.1.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'.
Implementation year	Indicate the year in which the activity will be implemented. Enter one row per implementation year and include all years from the work plan period.
Region	See MasterCodeList 'Regions'. If information refers to all regions, use code 'all regions'.
RFMO/RFO/IO	Enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisations (IO) providing management/advice on the species/stock. See MasterCodeList 'RFMO/RFO/IO'. If no RFMO, RFO or IO is applicable, enter 'NA' (not applicable).
Species	Indicate the scientific name of the species for which biological variables sampling is required according to Table 1 of the EU MAP Delegated Decision annex, for all regions and areas where the Member State's fishing fleet operates. Enter only these species that have a 'Y' in the 'Selected for sampling of biological variables' column of Table 2.1.
Area	Indicate the area for the mentioned species/stock, in accordance with column 3 of Table 1 of the EU MAP Delegated Decision annex. For data collected in the surveys at sea (Table 2.6) or from recreational fisheries (Table 2.4), put the area(s) covered in the 'WP comments' column.
Biological variable	Enter biological variable to be collected. See MasterCodeList 'Biological Variable'. List only biological variables you plan to collect per species/stock at least once during the sampling period. If you plan to collect a variable only in one year, put '0' in column 'Number of individuals to sample' for other years when no sampling is planned for this variable. Enter each variable on a separate line and avoid entering multiple variables in the same cell. Only for recreational fisheries may you enter 'length' as a biological variable.
Data collection requested by end user	Indicate whether the data collection is based on an end user request using 'Y' (yes) or 'N' (no). For data that is mandatory under the EU MAP, it is to be expected that the default is 'Y'. For additional data, enter 'Y' (e.g. because a national body or RCG requests a certain type of data collection) or 'N' (e.g. when the data collection anticipates future possible use).
Observation type	Indicate the type of observation activity used to collect data for the specified sampling scheme type. See MasterCodeList 'Observation type'.

Sampling scheme type	Enter the sampling scheme type used. See MasterCodeList 'Sampling scheme type'. The reference to sampling scheme types should be consistent throughout all the tables where this column appears. Each sampling scheme type should be reported in a separate row. For mandatory research surveys at sea report only sampling schemes for main target species as listed in Table 1 of the EU MAP Implementing Decision annex.
Sampling scheme identifier	Indicate a unique name (free text) to identify each combination of 'Observation type'*'Sampling scheme type'. Use identical reference in text boxes and in Annex 1.1. For mandatory research surveys at sea, use the acronym from Table 1 of the EU MAP Implementing Decision annex – see MasterCodeList 'Mandatory survey at sea'. If your Member State's landings are sampled by another Member State under a bi- or multilateral agreement, put a row in this table referring to the other Member State's sampling scheme identifier.
Opportunistic (O) or planned (P) sampling	If the number of individuals sampled is related to sampling schemes in 2.4, 2.5 or 2.6 enter 'O' ('opportunistic') and no figures ('N/A') in the 'Number of individuals to sample' column. If the number of individuals sampled is related to a specific sampling scheme for biological variables, enter 'P' ('planned') and provide a figure in the 'Number of individuals to sample' column.
Number of individuals to sample	Enter 'N/A' in case of an Opportunistic sampling ('O'), and a planned figure in case of a Planned sampling ('P'). Enter '0' in case no collection is planned for a given year.
Regional work plan name	Indicate the name of the regional work plan in force if any. Use an acronym if one exists. Enter 'N' (no) if no regional work plan applies.
WP comments	Any further comments. In case of a bi- or multilateral agreement on this stock*variable, indicate the name of the agreement as in Table 1.3.
<i>General comment: Member States should provide information on the number of fish measured for each species, area, biological variable, and sampling scheme. New species/variables/schemes, not included in the work plan, may be added as additional rows, highlighted in grey, at the end of the table.</i>	
Achieved number of sampled individuals at national level	Indicate the total number of individuals sampled at national level. Put '0' if no sampling was done in the reporting year. For opportunistic sampling from research surveys at sea, you may put 'NA'.
Achieved number of samples	Indicate the number of samples (PSU as defined in Annex 1.1) from which the number of individuals was obtained. Put '0' if no sampling was done in the reporting year. For research surveys at sea, put 'NA'.
Achieved % of sampled individuals at national level	This column fills in automatically using a formula: $100 * ('Achieved\ number\ of\ sampled\ individuals\ at\ national\ level') / ('Number\ of\ individuals\ to\ sample')$ 'N/A' indicates opportunistic sampling or no sampling for a given variable.

Indication if AR comments required concerning achieved % of sampled individuals	This column fills in automatically if the discrepancy between achieved and planned measurements is less than 90 % or more than 150 %. Values outside this range are flagged with an 'x', and the Member State is requested to provide a comment in the 'AR comments' column. You may also fill in the 'AR comments' column without the indication. 'N/A' indicates opportunistic sampling.
AR comments	Add comments to clarify any deviation from the work plan, especially if there is a discrepancy indicated in column T. If some species were added for sampling in the implementation year, briefly explain the reason. Indicate in this column if extended comments are given in Text Box 2.2. You may add any further comments.

Text Box 2.2: Planning of sampling for biological variables

General comment: This text box fulfils Article 5(2)(a), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004 and Chapter II point 2.1(a) of the EU MAP Delegated Decision annex. This text box applies to the annual report and complements Table 2.2.

Deviations from the work plan

List the deviations (if any) in the achieved collection of biological data (other than lengths), compared to what was planned.

The general reasons for deviations from the work plan in terms of planned vs. achieved data collection should be summarised in this section, while detailed comments on deviations on particular species/stocks should be included in the 'AR comments' column in Table 2.2.

Actions to avoid deviations.

Describe the actions that will be considered/have been taken to avoid deviations in the future and when these actions are expected to produce an effect. If there are no deviations, then this section is not applicable.

(One text box of max. 1 000 words per region/RFMO/RFO/IO)

Table 2.3: Data collection for diadromous species in freshwater

General comment: This table fulfils Article 5(2)(a), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004 and Chapter II point 2.1(b) and point 2.3 of the EU MAP Delegated Decision annex. Use this table to give an overview of the data to be collected from freshwater and inland commercial and recreational fisheries for salmon, sea trout and eel. Also include overview of data to be collected from research surveys on salmon, sea trout and eel in freshwater, and on eel in any relevant habitat including coastal waters. Use Tables 2.1, 2.2 and 2.5 to describe the collection of diadromous species data from commercial fisheries at sea.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'.
Implementation year	Indicate the year in which the activity will be implemented. Enter one row per implementation year and include all years from the work plan period.

Region	See MasterCodeList 'Regions'. If information refers to all regions, use code 'all regions'.
RFMO/RFO/IO	Enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisations (IO) providing management/advice on the species/stock. See MasterCodeList 'RFMO/RFO/IO'. If no RFMO, RFO or IO is applicable, enter 'NA' (not applicable).
Species	Indicate the scientific name of the species. List all species from Table 3 of the EU MAP Delegated Decision annex, even if a species does not occur in the Member State.
Management unit/River	For salmon and sea trout, indicate the river. For eel, indicate the Eel Management Unit (EMU).
Body of water	Enter the name of the river (for salmon and sea trout) or other body of water (for eel).
Species present in the MS	Indicate with 'Y' (yes) or 'N' (no) if the species is present in the Member State, even if not sampled.
Observation type	Indicate the type of observation activity used to collect data for the specified sampling scheme type. See MasterCodeList 'Observation type'.
Sampling scheme type	Enter the sampling scheme type used. See MasterCodeList 'Sampling scheme type'. The reference to sampling scheme types should be consistent throughout all the tables where this column appears. Each sampling scheme type should be reported in a separate row.
Sampling scheme identifier	Indicate a unique name (free text) to identify each combination of 'Observation type' * 'Sampling scheme type'. Use identical reference in text boxes and in Annex 1.1.
Reasons for not sampling	If the species is required according to Table 3 of the EU MAP Delegated Decision annex or is selected at regional level, but not collected, indicate the reason(s) for not sampling this species, with specific references and scientific evidence where appropriate (e.g. species not present in the area, regulations/laws in the country etc.).
Life stage	Indicate the life stage of the species (e.g. glass, yellow, silver, parr, smolt, adult etc.). See MasterCodeList 'Life stage'.
Agreed at RCG	The designation of rivers and other bodies of water to be monitored for eel, salmon and sea trout shall be agreed at RCG level and performed at national level. Indicate with 'Y' (yes) or 'N' (no) if there is an RCG recommendation or a regional agreement to sample at specified sampling sites.
Fishery/Independent collection	data Indicate whether data originates from commercial or recreational catches (F = fishery) or from other sources (I = independent).
Diadromous variable	Indicate the variables to be collected. Examples: the abundance of recruits (glass eel), the abundance of standing stock (yellow eel), the number, weight and sex ratio of emigrating silver eels, the abundance of smolt, parr and the number of ascending individuals in rivers for adult salmon and sea trout. If variables are not directly collected but estimated, describe the method of estimation in Text Box 2.3. Enter each variable in separate rows.

	See MasterCodeList 'Diadromous variable'.
Methods	Indicate the methods used (e.g. traps, electrofishing, counter, logbooks etc. or any combination of these methods) from which data will be derived. Describe the sampling method/strategy also in the quality document (Annex 1.1).
Unit	For each method, indicate the planned unit of data reporting (number, sites, number of individuals, etc.).
Planned minimum number of units	Indicate the planned minimum numbers for the unit chosen. (e.g. number of traps, number of counters, number of electrofishing sites, etc.).
Frequency	Indicate the planned sampling frequency. See MasterCodeList 'Frequency'. If you enter 'Other', specify the frequency in the 'WP comments' column.
WP comments	Any further comments.
<i>General comment: This table should provide information on the achieved numbers and short texts to explain any divergences with the work plan.</i>	
Achieved number of units	Indicate the achieved number of units.
Achieved % of units	The percentage of achieved units. This column fills in automatically using a formula: 100 * ('Achieved number of units')/('Planned minimum number of units') .
Indication if AR comments required concerning achieved number of units	This column fills in automatically if the discrepancy between planned and achieved number of units is less than 90 % or more than 150 %. Values outside this range are flagged with an 'x', and the Member State is requested to provide a comment in the 'AR comments' column. You may also fill in the 'AR comments' column without the indication.
AR comments	Add comments to clarify any deviation from the work plan, especially if there is a discrepancy between the 'Achieved number of units' and the 'Planned number of units'. Indicate in this column if extended comments are given in Text Box 2.3. You may add any further comments.

Text Box 2.3: Data collection for diadromous species in freshwater

General comment: This text box fulfils Article 5(2)(a), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004 and Chapter II point 2.1(b) and point 2.3 of the EU MAP Delegated Decision annex. Use this text box to give an overview of the methodology used to collect data from freshwater and inland commercial and recreational fisheries for salmon, sea trout and eel. Also include overview of data to be collected from research surveys on salmon, sea trout and eel in freshwater, and on eel in any relevant habitat including coastal waters.

Method selected for collecting data.

Describe briefly the method for collecting the variables presented in Table 2.3. Detailed descriptions are to be included in Annex 1.1. If variables are not directly collected but estimated the method of estimation should be described here.

(max. 250 words per species and area)

Were the planned numbers achieved? Yes/No

If the answer is No, explain why not, and what measures were taken to avoid non-conformity.

(max. 500 words per species and area)

Table 2.4: Recreational fisheries

General comment: This table fulfils Article 5(2)(a), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004, and Chapter II point 2.2 of the EU MAP Delegated Decision annex. This table is intended to specify data to be collected under Chapter II point 2.2 of the Delegated Decision annex. Use this table to specify data to be collected under Table 4 of the EU MAP Delegated Decision annex, which also includes marine and freshwater recreational catches. For freshwater diadromous species, use Table and Text Box 2.3.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'.
Implementation year	Indicate the year in which the activity will be implemented. Enter one row per implementation year and include all years from the work plan period.
Region	See MasterCodeList 'Regions'. If information refers to all regions, use code 'all regions'.
RFMO/RFO/IO	Enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisations (IO) providing management/advice on the species/stock. See MasterCodeList 'RFMO/RFO/IO'. If no RFMO, RFO or IO is applicable, enter 'NA' (not applicable).
Species	Indicate the scientific name of the species/stocks for recreational fisheries sampling. As a minimum, indicate the species from Table 4 of the EU MAP Delegated Decision annex, unless an alternative list has been agreed at regional level. Include also species identified by pilot studies and/or management needs for the recreational fishery and/or agreed at regional level, even if a species does not occur in the Member State. List elasmobranchs and highly migratory ICCAT species individually (one line per species). For multi-species sampling schemes such as telephone surveys or screening surveys, you may enter 'All species'.
Area(s) covered	Indicate the areas planned to be covered by fishing and/or sampling. The area shall be a part or, if applicable, entire area as indicated in Table 4 of the EU MAP Delegated Decision annex, for the species listed in that table. Use Table 2.3 for freshwater recreational fishing on eel, salmon and sea trout.
Species present in the MS	Indicate with 'Y' (yes) or 'N' (no) if the species is present in the Member State even if not sampled.
License	Indicate whether a general, a species-specific, a gear-specific, an area-specific, or no license is required by a delegated authority. See MasterCodeList 'License'.
Reasons for not sampling	If the species is required according to Table 4 of the EU MAP Delegated Decision annex or is selected at regional level, but not collected, indicate the reason(s) for not sampling this species, with specific references and scientific evidence where appropriate (e.g. species not present in the area, regulations/laws in the country etc.).
Agreed at RCG	The designation of species of interest shall be agreed at regional level. Indicate with 'Y' (yes) or 'N' (no) if there is an RCG recommendation or a regional agreement to conduct the respective sampling.
Is an annual estimate of the total catch planned?	Indicate with 'Y' (yes) or 'N' (no) if your Member State plans to estimate the catch per species (weight and/or numbers), for the mentioned species.

Is an estimate of the annual percentage of catch released alive planned?	Indicate with 'Y' (yes) or 'N' (no) if your Member State plans to estimate the rate of fish released alive per species for the mentioned species. Explain in the quality document (Annex 1.1) how these estimates are calculated.
Is the collection of biological variables planned?	Indicate with 'Y' (yes) or 'N' (no) if your Member State plans to estimate the catch composition (e.g. length, age structure) for the mentioned species.
Is there a regional threshold for the collection of stock related biological variables?	Indicate with 'Y' (yes) or 'N' (no) whether, for the mentioned species, a threshold applies for biological data collection from recreational catches, which is agreed and coordinated at marine region level based on end-user needs. This column shall be filled only when 'Y' is indicated in the previous column ('Is the collection of biological variables planned?').
Observation type	Indicate the type of observation activity used to collect data for the specified sampling scheme type. See MasterCodeList 'Observation type'.
Sampling scheme type	Enter the sampling scheme type used. See MasterCodeList 'Sampling scheme type'. The reference to sampling scheme types should be consistent throughout all the tables where this column appears. Each sampling scheme type should be reported in a separate row.
Sampling scheme identifier	Indicate a unique name (free text) to identify each combination of 'Observation type' * 'Sampling scheme type'. Use identical reference in text boxes and in Annex 1.1.
Frequency	Indicate the planned sampling frequency. See MasterCodeList 'Frequency'. If you enter 'Other', specify the frequency in the 'WP comments' column.
WP comments	Any further comments
<i>General comment: This table should provide information on the estimate of catch quantities and percentage released, and the collection of catch composition data for recreational fisheries implemented by Member States.</i>	
Estimated annual catch quantities by species	Indicate with 'Y' (yes) or 'N' (no) whether, for each mentioned species, the annual catch weight (tonnes) is estimated for the sampling year.
Estimated annual percentage release	Indicate with 'Y' (yes) or 'N' (no) whether, for each mentioned species, the annual percentage released is estimated for the sampling year.
Collection of biological data	Indicate with 'Y' (yes) or 'N' (no) whether, for each mentioned species, the biological data are collected for the sampling year.
Evaluated by external experts/bodies	Indicate with 'Y' (Yes) or 'N' (No) if the survey is evaluated by external experts/bodies. If the answer is 'Y', identify the evaluator (e.g. WGRFS, ICCAT) and provide further details about the evaluations (year, part of the survey, progress etc.) in the 'AR comments' column.
AR comments	Add comments to clarify any deviation from the work plan.

Text Box 2.4: Recreational fisheries

General comment: This text box fulfils Article 5(2)(a), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004 and Chapter II point 2.2 of the EU MAP Delegated Decision annex. Use this text box to give an overview of the methodology used to collect data on marine and freshwater recreational catches. For freshwater diadromous species, use Table and Text Box 2.3.

Description of the sampling scheme/survey according to Table 2.4.

(max. 900 words per region)

Deviations from the work plan

List the deviations (if any) in the achieved data collection, compared to what was planned in the work plan and explain the reasons for the deviations.

Action to avoid deviations

Describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce results.

(max. 900 words per region)

Table 2.5: Sampling plan description for biological data

General comment: This table fulfils Article 5(2)(a) and (b), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004 and Chapter II point 2.1(a) and point 4.1 of the EU MAP Delegated Decision annex. This table refers to data to be collected under Table 1 and under regulations specified in Table 2 of the EU MAP Delegated Decision annex. Use this table to identify all commercial fishery-dependent sampling schemes in the Member State. The Member State shall list the sampling frames within the scheme, the primary sampling unit (PSU) type and the envisaged number of PSUs that will be available in the year of submission. For each sampling frame, the Member State shall record the number of PSUs it is planning to undertake.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'.
Reference period	Indicate the year(s) to which the data actually refer. Select the three most recent representative years before the first year of the WP period (no update of reference period needed within the WP period), with the data available. Give the reference years as e.g. '2018-2020', '2017-2019'. When the reference period differs from the most recent three years, clarify it in the 'WP comments' column.
Implementation year	Indicate the year in which the activity will be implemented. Enter one row per implementation year and include all years from the work plan period.
Region	See MasterCodeList 'Regions'. If information refers to all regions, use code 'all regions'.
RFMO/RFO/IO	Enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisations (IO) providing management/advice on the species/stock. See MasterCodeList 'RFMO/RFO/IO'. If no RFMO, RFO or IO is applicable, enter 'NA' (not applicable).

Observation type	Indicate the type of observation activity used to collect the data for each sampling scheme type. See MasterCodeList 'Observation type'.
Sampling scheme type	Enter the sampling scheme type used. See MasterCodeList 'Sampling scheme type'. The reference to sampling scheme types should be consistent throughout all the tables where this column appears. Each sampling scheme type should be reported in a separate row.
Species coverage	Indicate if the sampling scheme type*observation type covers all or only a part of the species. See MasterCodeList 'Species coverage'. If you enter 'Selected species/stocks', provide specific details in the quality document (Annex 1.1).
Sampling scheme identifier	Indicate a unique name (free text) to identify each combination of 'Observation type' * 'Sampling scheme type' * 'Species coverage'. Use identical reference in text boxes and in Annex 1.1. If your Member State's landings are sampled by another Member State under a bi- or multilateral agreement, put a row in this table referring to the other Member State's sampling scheme identifier. Add an 'out-of-frame' row per sampling scheme identifier, even if all sampling population is covered. In this case, enter '0' for the planned PSU number, and duplicate other specifications (eg. observation type, frequency, PSU type etc.).
Sampling frame identifier	Indicate a unique code or name (free text) to identify each sampling frame within the sampling scheme. Use identical reference in text boxes. To provide an insight into the real coverage of the sampling design, enter at least one row per 'Region' * 'RFMO' * 'Sampling scheme identifier' combination for out-of-frame parts of the population. It is recommended for all combinations, but it should be provided at least for the ones where 'Sampling scheme type'='commercial fishing trip'.
Sampling frame description	Describe briefly (free text) the sampling frame (e.g. trawlers in the GSA 22; west coast purse-seiners; ports of the NW area, etc.). If necessary, add a more detailed description in Text Box 2.5.
Sampling frame spatial coverage	Indicate the spatial coverage of the sampling frame (e.g. the ICES area, the GFCM GSA, the NAFO area, ICCAT sampling areas, etc.). The Member States decide independently on the sampling frame areas.
Frequency	Indicate the planned sampling frequency. See MasterCodeList 'Frequency'. If you enter 'Unknown' or 'Other', explain in the 'WP comments' column or in Text Box 2.5.
PSU type	Indicate the primary sampling unit (PSU) inside each sampling frame. PSUs could be a fishing trip, fishing vessel, fishing day, port, trip, vessel*trip, vessel*week, port*day, port*week, port*month, etc.
Method of PSU selection	Indicate the method(s) for the selection of the primary sampling unit (PSU). See MasterCodeList 'PSU Selection'.
Catch fraction	Indicate which fraction of the catch is to be covered by the sampling. See MasterCodeList 'Catch fraction'. If you enter 'Other', describe the fraction in the 'WP comments' column.

Average number of PSUs during the reference period	Enter the average yearly number of PSUs in the reference period. Include all PSUs, not only the sampled ones.
Planned number of PSUs	Indicate the planned number of PSUs to be sampled annually for the implementation year(s). If a sampling scheme covers the entire targeted population, enter '0' in the 'out-of-frame' row.
PETS observation covered within the sampling scheme	Enter 'Y' (yes) when the observation of protected, endangered, threatened and sensitive (PETS) species is covered within the sampling scheme identifier, and 'N' (no) if it is not included.
Does the sampling protocol allow for the quantification of PETS observation effort?	Enter 'Y' (yes) if the PETS observation effort can be quantified. The observation effort might cover a whole trip, or part of a trip. A partial observation of a trip might include a known fraction of hauls, sorting/processing or catch.
Regional work plan name	Indicate the name of the regional work plan in force if any. Use an acronym if one exists. Enter 'N' (no) if no regional work plan applies.
WP comments	Any further comments, or further information required if 'other' has been used in previous columns. In case of a bi- or multilateral agreement on this sampling scheme, indicate the name of the agreement as in Table 1.3.
<i>General comment: This table should provide information on the achieved level of sampling by Member States and also if incidental catches of protected, endangered, threatened or sensitive (PETS) species were monitored. A new scheme/frame, not included in the work plan, may be inserted as additional rows highlighted in grey, at the end of the table.</i>	
Total number of PSUs in the implementation year	Enter the total number of PSUs that were available for selection for the specified sampling frame in the implementation year.
Achieved number of PSUs in the implementation year	Enter the number of PSUs from which data were successfully collected for the specified sampling frame in the implementation year.
Achieved % of PSUs	The percentage of PSUs achieved in the reporting year. This column fills in automatically using a formula: $100 * ('Achieved\ number\ of\ PSUs\ in\ the\ implementation\ year') / ('Planned\ number\ of\ PSUs\ in\ the\ implementation\ year')$
Divergence (%) of implementation year vs. reference period	The divergence in percentage of the implementation year vs. the reference period. This column fills in automatically using a formula: $100 * ('Total\ number\ of\ PSUs\ in\ the\ implementation\ year') / ('Average\ number\ of\ PSUs\ during\ the\ statistics\ reference\ period')$ This percentage provides the dimension of the divergence between the existing situation when planning was designed and the real situation during the sampling year.
Indication if AR comments are required concerning number of PSUs achieved	This column fills in automatically if the discrepancy between planned and achieved number of PSUs is less than 90 % or more than 150 %. Values outside this range are flagged with an 'x', and the Member State is requested to provide a comment in the 'AR comments' column. You may also fill in the 'AR comments' column without the indication.

Number of unique active vessels in the sampling frame	Enter the number of unique active vessels during the implementation year for the sampling frame specified, using the definition of 'active vessel' from Chapter 1 of the EU MAP Delegated Decision annex. Report this information wherever it is possible to link the sampling frame to fishing vessels, including on-shore sampling.
Number of unique vessels sampled	Enter the number of unique vessels sampled during the implementation year for the sampling scheme and frame specified. Report this information wherever it is possible to link samples to vessels, including on-shore sampling.
Number of fishing trips in the sampling frame	Enter the total number of fishing trips for the sampling scheme and frame specified. Report this information wherever it is possible to link samples to vessels, including on-shore sampling.
Number of fishing trips sampled	Enter the number of fishing trips sampled for the sampling scheme and frame specified. Report this information wherever it is possible to link samples to vessels, including on-shore sampling.
Percentage of sampled fishing trips where the observer dedicated time to record the bycatch of PETS	Indicate the percentage of the sampled trips where a dedicated PETS observation has been conducted by the observer. This observation also includes cases where zero PETS bycatch was recorded, as long as the observer was looking for bycaught specimens. If the observation effort is focused only on some kinds of PETS (mammals, reptiles etc.), indicate this in the 'AR comments' column, and if necessary, in Text Box 4.2.
Number of fishing trips sampled with PETS mitigation device	Enter the number of fishing trips sampled where a PETS mitigation device was used, for the sampling scheme and frame specified.
Number of species with length measurements	Enter the number of species for which length measurements have been recorded. This is distinct from the species for which biological data has been collected.
AR comments	Add comments to clarify any deviation from the work plan, especially between the 'Planned number of PSUs' and the 'Achieved number of PSUs in the sampling year'. Indicate in this column if extended comments are given in Text Box 2.5. You may add any further comments.

Text Box 2.5: Sampling plan description for biological data

General comment: This text box fulfils Article 5(2)(a) and (b), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004 and Chapter 2 point 2.1(a) of the EU MAP Delegated Decision annex. This text box complements Table 2.5.

This text box is complementary to information on the sampling schemes provided in the quality document (Annex 1.1). It serves to highlight additional information on sampling schemes and sampling frames that the Member State considers useful to understand the sampling design planned for the region and the implementation year(s).

Additional information on sampling schemes

You may add specific contextual information related to a region and the implementation year(s), for instance highlighting new developments not yet detailed in the quality document, regional adaptation and/or perspectives for the future. Insert the information under the same sampling scheme identifier as in Table 2.5.

Additional description of sampling frames

You may add a complementary description to what includes the 'Sampling frame description' column of Table 2.5. Insert the information under the same identifier and name as in the columns 'Sampling frame identifier' and 'Sampling frame description' of Table 2.5, and in the same order (Sampling frame identifier + Sampling frame description).

(One text box of max. 1 000 words per region/RFMO/RFO/IO)

Deviations from the work plan

List deviations (if any) in the achieved data collection compared to what was planned in the work plan and explain the reasons for the deviations.

Actions to avoid deviations

Describe the actions that will be considered/have been taken to avoid deviations in the future and when these actions are expected to produce an effect. If there are no deviations, then this section is not applicable.

(One text box of max. 1 000 words per region/RFMO/RFO/IO)

Table 2.6: Research surveys at sea

General comment: This table fulfils Article 5(1)(b), Article 6(3)(a), (b) and (c) of Regulation 2017/1004 and Chapters I and II of the EU MAP Implementing Decision annex. This table is intended to specify which research surveys at sea set out in Table 2 of the EU MAP Implementing Decision annex and which additional surveys will be carried out by the Member State.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'.
Implementation year	Indicate the year in which the activity will be implemented. Enter one row per implementation year and include all years from the work plan period.
Region	See MasterCodeList 'Regions'. If information refers to all regions, use code 'all regions'.
RFMO/RFO/IO	Enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisations (IO) providing management/advice on the species/stock. See MasterCodeList 'RFMO/RFO/IO'. If no RFMO, RFO or IO is applicable, use 'NA' (not applicable).
Name of research survey	Enter the name of the research survey at sea. For mandatory surveys use the name from Table 1 of the EU MAP Implementing Decision annex. See the 'Description' column in MasterCodeList 'Mandatory survey at sea'. As a minimum, list: <ul style="list-style-type: none"> the surveys in which your Member State participates, whether financially, technically, through effort or as a combination of these;

	<ul style="list-style-type: none"> • single-species mandatory surveys where your Member State's TAC share (or share of total Union landings) is more than 0 % but below the threshold (based on Table 2.1 of the national work plan); • multi-species and ecosystem surveys where thresholds have been set at a regional level for the relevant regions. <p>You may list non-mandatory research surveys. Indicate the names of those surveys in accordance with national survey names.</p>
Research survey acronym	Enter the acronym of the research survey at sea. For mandatory surveys use the acronym from Table 1 of the EU MAP Implementing Decision annex. See MasterCodeList 'Mandatory survey at sea'. Survey acronyms used in this table should be consistent with the information in the 'Sampling scheme identifier' column in Table 2.2.
Mandatory research survey	Enter 'Y' (yes) if the research survey at sea is included in Table 1 of the EU MAP Implementing Decision annex; otherwise enter 'N' (no).
Threshold rules used	<p>Indicate which threshold rules apply, if any, for your Member State not to contribute to the survey. See MasterCodeList 'Threshold rules used'.</p> <p>For mandatory surveys, enter one of the following options:</p> <ul style="list-style-type: none"> • 'None': your Member State has to contribute to the survey by any means, further specified in the 'Type of MS participation' column in Table 2.6; • 'Implementing decision rule': your Member State has no obligation to contribute to the survey under the rules laid down in the EU MAP Implementing Decision; • 'Regionally agreed rule': your Member State has no obligation to contribute to the survey under the rules laid down in a regional agreement. In this case, indicate the relevant agreement in question 4 of Text Box 2.6. <p>For non-mandatory surveys, enter 'None'.</p>
Regional work plan name	Indicate the name of the regional work plan in force if any. Use an acronym if one exists. Enter 'N' (no) if no regional work plan applies.
Cost-sharing agreement signed by MS	Enter 'Y' (yes) if your Member State has signed a cost-sharing agreement; otherwise enter 'N' (no). If a cost-sharing agreement applies, refer to the agreement in Table 1.3.
Type of MS participation	<p>Indicate the form of participation as mentioned in MasterCodeList 'Type of MS participation'. Fill in this column for all research surveys at sea carried out by your Member State, irrespective of any agreements at regional level. The 'Type of MS participation' in a particular survey relates to the entire survey for all MS and not only to the area(s) covered by your MS.</p> <ul style="list-style-type: none"> • 'Financial' assumes only financial support (mostly arranged via a cost-sharing agreement); • 'Technical' includes ships or other platforms, supply of materials, support in post-processing samples (e.g. lab work) (mostly arranged via a cost-sharing agreement or a regional work plan); • 'Personnel' includes the contributions of people on board (mostly arranged via a cost-sharing agreement or a regional work plan); • 'Combination' includes any combination of the above and/or internationally coordinated surveys with individual MS conducting their part;

	<ul style="list-style-type: none"> 'NA' (not applicable) is when no other Member State participates in the survey and no other MS uses the same survey acronym. <p>For other types of participation than 'Financial', describe the type of participation, and/or its background in more detail under question 4 in Text Box 2.6.</p>
Area(s) covered	Indicate the areas planned to be covered. For mandatory surveys the area shall be a part or, if applicable, entire area as indicated in Table 1 of the EU MAP Implementing Decision annex.
Time period (month)	Indicate the time period (calendar months in numbers separated by comma) planned to be covered by your Member State.
Frequency	Indicate the survey frequency. See MasterCodeList 'Frequency'. If you enter 'Unknown' or 'Other', explain in the 'WP comments' column.
Relevant international planning group	<p>Enter the acronym of the relevant international group in charge of planning the research survey at sea and its corresponding RFMO/RFO/IO (e.g. IBTSWG-ICES or GFCM).</p> <p>See MasterCodeList 'RFMO/RFO/IO'. Use the acronym of the planning group in line with the naming convention within the RFMO/RFO/IO.</p> <p>If there is no planning group, RFMO, RFO or IO responsible for the survey planning, enter 'NA' (not applicable).</p> <p>If available, provide a link to a webpage with more information on the survey planning group.</p>
Days at sea planned	Enter the number of days at sea planned for conducting the research survey. If the survey is subject to a cost-sharing agreement and your Member State's participation does not include ship time ("Type of MS participation"), refer to the national work plan of the Member State planning and conducting the survey.
Type of sampling activities	Indicate the type of core sampling activities. Core sampling activities are agreed in the relevant group in charge of the survey planning. You may also mention additional sampling activities, decided by your Member State. Use a separate line for each type of sampling activity in a survey, repeating the information from the previous columns. Use the following categories: trawl hauls, hydrography, plankton hauls, acoustic profiles, litter hauls, benthic invertebrate samples, seabed monitoring, etc. If the survey is subject to a cost-sharing agreement and your Member State's participation does not include ship time ("Type of MS participation"), refer to the national work plan of the Member State planning and conducting the survey.
Number of sampling activities planned	Indicate the number of planned sampling activities. If the survey is subject to a cost-sharing agreement and your Member State's participation does not include ship time ("Type of MS participation"), refer to the national work plan of the Member State planning and conducting the survey.
Research survey database	<p>Enter the name of the database, either national or international, where the collected data are stored. If available, add the link to the database. If no database exists, enter 'None'. If the data are stored in national and international databases, enter only the latter.</p> <p>Please note: this column applies to the existence of a database where the data are stored.</p>

Link to survey manual	Indicate where the research survey manual can be found. For mandatory and internationally coordinated surveys, provide a link to the international manual, even if a national manual is also in place. For non-mandatory surveys, a link to the (inter)national manual is optional. If no link is available, enter 'No link available'. If no manual is available, enter 'No manual available'.
WP comments	Any further comments
In case of financial participation, has the payment been made?	In case of financial participation in a research survey as part of a cost-sharing agreement, indicate with 'Y' (yes) or 'N' (no) whether the payment has been made. If no cost-sharing agreement applies, enter 'NA' (not applicable).
Days at sea achieved	Enter the number of days at sea achieved during the research survey. If the survey is subject to a cost-sharing agreement and your Member State's participation does not include ship time ('Type of MS participation'), refer to the annual report of the Member State conducting the survey.
Number of sampling activities achieved	Indicate the number of target units in the 'Number of sampling activities planned' column that were achieved during the survey. If the survey is subject to a cost-sharing agreement and your Member State's participation does not include ship time ('Type of MS participation'), refer to the annual report of the Member State conducting the survey.
Other data submissions	Enter 'Y' (yes) if the raw data are submitted to other scientific bodies than the relevant database, and 'N' (no) if not.
Was the survey carried out within the official time period?	Enter 'Y' (yes) if the research survey was carried out within the official survey time period, and 'N' (no) if not. If the survey is subject to a cost-sharing agreement and your Member State's participation does not include ship time ('Type of MS participation'), refer to the annual report of the Member State conducting the survey.
Was the sampling carried out within the official survey area?	Enter 'Y' (yes) if the research survey was carried out within the official survey area, and 'N' (no) if not. If the survey is subject to a cost-sharing agreement and your Member State's participation does not include ship time ('Type of MS participation'), refer to the annual report of the Member State conducting the survey.
Indication if AR comments required concerning number of sampling activities achieved	This column fills in automatically if the discrepancy between the planned and achieved number of sampling activities is less than 90 % or more than 150 %. Values outside this range are flagged with an 'x', and the Member State is requested to provide a comment in the 'AR comments' column. You may also fill in the 'AR comments' column without the indication.
Indication if AR comments required concerning temporal and spatial coverage	This column fills in automatically if the spatial or temporal coverage has not been met. If in one of the columns 'N' has been reported, this is flagged with an 'x' and the Member State is requested to provide a comment in the 'AR comments' column. You may also fill in the 'AR comments' column without the indication.
AR comments	Add comments to clarify any deviation from the work plan, especially if there is a discrepancy indicated in columns AB and AC. Indicate in this column if extended comments are given in Text Box 2.6. You may add any further comments.

Text Box 2.6: Research surveys at sea

General comment: This text box fulfils Article 5(1)(b), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004 and Chapters I and II of the EU MAP Implementing Decision annex. It is intended to specify which research surveys at sea, as set out in Table 2 of the EU MAP Implementing Decision annex will be carried out. Member States shall specify whether the research survey is included in Table 2 of the EU MAP Implementing Decision annex or whether it is an additional survey.

(Use one text box per survey)

Name of the research survey

1. Objectives of the survey

For mandatory surveys: list the full list of target species/ecosystem components set by the coordinating group (as opposed to the target species provided in Table 1 of the EU MAP Implementing Decision) and the international, and additional national objectives. For non-mandatory surveys: describe the purpose of the survey including sampling activities and target species/ecosystem components, the end user and how the data are used.

2. Description of the survey design and methods used in the survey for each type of data collection listed in Table 2.6 for this specific survey.

Indicate the time period for the survey (same as in Table 2.6). If documentation of the survey design and methods used is available online in English, you can refer to that documentation.

3. For internationally coordinated surveys, describe the participating Member States/vessels.

4. Where applicable, provide more details on the type of participation and/or threshold agreement applied.

For types of participation other than 'Financial', describe the type of participation, and/or the background of the type of participation in more detail.

(max. 450 words per survey)

5. For internationally coordinated surveys, provide a link to the latest meeting report of the coordination group.

Provide a link to the meeting report from the body coordinating the survey (ICES, MEDITS coordination group, MEDIAS coordination group, etc.). For surveys that are not internationally coordinated, refer to any status report (e.g. Cruise report).

6. List the main use of the results of the survey (e.g. indices, abundance estimates, environmental indicators).

Specify in which context the results are used (on a routine basis), both in international and national context.

If presenting maps of the achieved research survey stations is necessary, provide them as an annex. Refer clearly to the annex and map numbers.

7. Extended comments

Extended AR comments can be placed under this section.

(max. 450 words per survey)

3: Fishing activity data

Table 3.1: Fishing activity variables data collection strategy

General comment: This table fulfils Article 5(2)(c), Article 6(3)(a), (b) and (c) of Regulation 2017/1004 and Chapter II point 3 of the EU MAP Delegated Decision annex. This table is intended to cover variables indicated in Table 6 of the EU MAP Delegated Decision annex, excluding variables related to the inland waters (eel), and describe the method used to derive estimates for representative samples where data are not to be recorded under Control Regulation (EC) No 1224/2009 or where data collected under Regulation (EC) No 1224/2009 are not at the right aggregation level for the intended scientific use. Table 3.1 should be filled only if complementary data collection is planned.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'.
Implementation year	Indicate the year or a range of years in which the activity will be implemented, using the format '202X' or '202X-202X'.
Supra region	Use the naming convention from Table 2 of the EU MAP Implementing Decision annex. If information refers to all supra regions, insert 'all supra regions'. See MasterCodeList 'Supra region'.
Geo Indicator	The 'Geo Indicator' distinguishes fleet segments operating in outermost regions and fleet segments operating exclusively in non-EU waters (international waters + third-country fisheries partnership agreements). If a Geo Indicator is not relevant for a fleet segment, use the 'NGI' code. See MasterCodeList 'Geo Indicator'.
Region	See MasterCodeList 'Regions'. If information refers to all regions, use code 'all regions'.
RFMO/RFO/IO	Enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisations (IO) providing management/advice on the species/stock. See MasterCodeList 'RFMO/RFO/IO'. If no RFMO, RFO or IO is applicable, use 'NA' (not applicable).
Activity indicator	Use the following activity indicators: 'Low active'; 'Active'; and 'NA'. If you divide a fleet segment into different activity levels, use 'L' for the low activity vessels and 'A' for the normal economic activity vessels. The sum of the vessels with 'L' and 'A' activities should be equal to the total population of that segment. The methodology for how to apply activity level is provided in Recommendation 5 of PGECON 2018. If an activity level is not applied, use 'NA'. See MasterCodeList 'Activity indicator'.
Segment or cluster name	Enter the name of a segment or a cluster, in case of clustering. Use the naming convention from Table 8 of the EU MAP Delegated Decision annex. Put an asterisk if the segment has been clustered with other segment(s) for data collection and reporting purposes, e.g. 'Beam trawlers 0-< 6 m*'. See WP guidance for Text Box 5.2 point 1. See codes for 'Fishing technique' and 'Length class' in the MasterCodeList. Table 3.1 should include only the segments which are reported in Table 5.1.
Fishing activity variable	Use the naming convention from Table 6 of the EU MAP Delegated Decision annex. Enter variables, not groups of variables. See MasterCodeList 'Fishing Activity variable'.

Data source	Indicate the data sources used. Separate multiple data sources with ';'. See MasterCodeList 'Data source'.
Data collection scheme	Enter the data collection scheme code (C – Census; PSS – Probability Sample Survey; NPS – Non-Probability Sample Survey; IND – Indirect survey, where the variable is not directly collected but estimated or derived.). See MasterCodeList 'Data collection scheme'.
Planned sample rate (%)	For each data source, indicate (%) the planned percentage of coverage, based on the numbers of vessels subject to complementary data collection. <ul style="list-style-type: none"> • If the 'Data collection scheme' of multiple 'Data source' entries are the same, add up the percentages for 'Planned sample rate' and present them in one line. • For each 'Data collection scheme' with different 'Data source', enter values for 'Planned sample rate' in separate lines. • If the 'Data source' is related to the Control Regulation, the corresponding figures can be ignored (as it would have to be 100 % in all cases).
WP comments	Any further comments.
AR reference year	Enter the year for which data have been collected
Number of vessels	Enter the number of vessels subject to complementary data collection. The population is based on the active and inactive vessels registered in the Union Fishing Fleet Register as defined in Commission Implementing Regulation (EU) 2017/218 on 31 December of the reporting year and vessels that do not appear in the Register on that date but have fished at least one day during the reporting year.
Planned sample number	This column fills in automatically with the number of vessels planned for the complementary data collection. 'Planned sample number' = 'Number of vessels' * 'Planned sample rate'
Achieved response number	Enter the number of responses for the complementary data collection for each of the data sources and variables.
Response rate (%)	Number of responses/Sample size 'Response rate (%)' = ('Achieved response number'/'Planned sample number') %
Achieved coverage (%)	Achieved coverage from the number of vessels subject to complementary data collection. 'Achieved coverage (%)' = ('Achieved response number'/'Number of vessels under complementary data collection') %
AR comments	Add comments to clarify any deviation from the work plan.

Text Box 3.1: Fishing activity variables data collection strategy

General comment: This text box fulfils Article 5(2)(c), Article 6(3)(a), (b) and (c) of Regulation 2017/1004 and Chapter II point 3.1 of the EU MAP Delegated Decision annex. It is intended to describe the method used to derive estimates of representative samples where data are not to be recorded under Control Regulation (EC) No 1224/2009 or where data collected under Regulation (EC) No 1224/2009 are not at the right aggregation level for the intended scientific use. Text Box 3.1 should be filled only if complementary data collection is planned.

Explain the reasons for implementing complementary data collection

Information on the sampling schemes is available in the quality document (Annex 1.2). However, the Member State is invited to highlight additional information here on sampling schemes and sampling frames deemed necessary to understand the actual sampling design planned for the implementation year(s).

(max. 900 words)

Deviations from the work plan

List the changes from the work plan (if any) and explain the reasons.

Actions to avoid deviations

Briefly describe the actions that will be considered/have been taken to avoid deviations in the future and when these actions are expected to produce an effect. If there are no deviations, then this section is not applicable.

(max. 900 words)

Text Box 3.2: Fishing activity variables data collection strategy (for inland eel commercial fisheries)

General comment: This text box fulfils Article 5(2)(c), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004 and Chapter II point 3.2 of the EU MAP Delegated Decision. It is intended to describe the methods and data sources used to estimate fishing capacity, effort and landings data.

Describe data collection of inland eel commercial fisheries landings, effort and capacity. List or describe, for instance, the number of fishing entities, fishing methods, and the associated units used.

(max. 900 words)

Deviations from the work plan

List the changes from the work plan (if any) and explain the reasons.

Actions to avoid deviations

Briefly describe the actions that will be considered/have been taken to avoid deviations in the future and when these actions are expected to produce an effect. If there are no deviations, then this section is not applicable.

(max. 900 words)

4: Impact of fisheries on marine biological resources

Table 4.1 Stomach sampling and analysis

General comment: This table fulfils Article 5(2)(b), Article 6(3)(a), (b) and (c) of Regulation 2017/1004 and Chapter II point 4.3 of the EU MAP Delegated Decision annex. This table is intended to specify the sampling plan to collect and analyse stomach contents.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'.
Implementation year	Indicate the year the activity will be implemented. Enter one row per implementation year and include all years from the work plan period.
Region	See MasterCodeList 'Regions'. If information refers to all regions, use code 'all regions'.
RFMO/RFO/IO	Enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisations (IO) providing management/advice on the species/stock. See MasterCodeList 'RFMO/RFO/IO'. If no RFMO, RFO or IO is applicable, use 'NA' (not applicable).
Area(s) covered	Indicate the areas planned to be covered. For mandatory surveys the area shall be the same as indicated in Table 1 of the EU MAP Implementing Decision annex.
Observation type	Indicate the type of observation activity used to collect data for the specified sampling scheme type. See MasterCodeList 'Observation type'.
Sampling scheme type	Enter the sampling scheme type used. See MasterCodeList 'Sampling scheme type'. The reference to sampling scheme types should be consistent throughout all the tables where this column appears. Each sampling scheme type should be reported in a separate row.
Sampling scheme identifier	Indicate a unique name (free text) to identify each identify each combination of 'Observation type' * 'Sampling scheme type'. Use identical reference in text boxes and in Annex 1.1. For mandatory research surveys at sea, use the acronym from Table 1 of the EU MAP Implementing Decision annex – see MasterCodeList 'Mandatory survey at sea'.
Regional work plan name	Indicate the name of the regional work plan in force if any. Use an acronym if one exists. Enter 'N' (no) if no regional work plan applies.
Time period (quarter)	Indicate the time period (quarters, separated by a comma if more than one) planned to be covered by your Member State. If a regional stomach sampling plan applies, refer to that plan.
Species for stomach sampling	Indicate the scientific name of the species for which stomach sampling is planned. Use species names from Table 1 of the EU MAP Delegated Decision annex.
Expected number of stomachs	Enter the expected number of stomach samples based on the sampling protocol. (e. g. if the protocol mentions five fish per length class for a species, estimate how many length classes may be expected for that species based on previous years, and multiply by five). If no stomach sampling protocol applies, justify the expected number of stomachs to be collected in the 'WP comments' column.

Link to stomach sampling protocol	Indicate where the stomach sampling protocol can be found. Provide a link to an international manual, even if a national manual is also in place. Enter 'N' if no stomach sampling protocol is available.
Metagenomic techniques	Indicate 'Y' (Yes) if metagenomic techniques will be used in the stomach sampling or 'N' (No) if not.
WP comments	Any further comments
Sampled number of stomachs	Indicate the number of stomachs collected.
Was the sampling carried out within the planned time period(s)?	Enter 'Y' (yes) or 'N' (no) to indicate whether or not the stomach sampling was carried out within the planned time period.
Was the sampling carried out within the planned area(s)?	Enter 'Y' (yes) or 'N' (no) to indicate whether or not the stomach sampling was carried out within the planned area(s).
Indication if AR comments required concerning number of samples achieved	This column fills in automatically if the discrepancy between the planned and achieved number of samples is less than 90 % or more than 150 %. Values outside this range are flagged with an 'x', and the Member State is requested to provide a comment in the 'AR comments' column. You may also fill in the 'AR comments' column without the indication.
Indication if AR comments required concerning temporal and spatial coverage	This column fills in automatically if the spatial and temporal coverage has not been met. If in one of the columns 'N' has been reported, this is flagged with an 'x', and the Member State is requested to provide a comment in the 'AR comments' column. You may also fill in the 'AR comments' column without the indication.
AR comments	Add comments to clarify any deviation from the work plan, especially if there is a discrepancy indicated in columns P and Q. Indicate in this column if extended comments are given in Text Box 4.1. You may add any further comments.

Text box 4.2: Incidental catches of sensitive species

General comment: This text box fulfils Article 5(2)(a) and (b), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004 and Chapter 2 point 4.1 of the EU MAP Delegated Decision annex. This text box complements Table 2.5.

This text box is complementary to information on the sampling schemes provided in the quality document (Annex 1.1). It serves to highlight information on sampling schemes and sampling frames related to incidental catches of sensitive species. Additional information on planning the observation of incidental catches of sensitive species (if already filled in in Annex 1.1, please indicate where it can be found):

- Has an assessment of the relative risk of bycatch for the different gear types/metiers taken place and been taken into account for the sampling design?
- What are the gear types/metiers that present the highest risk of bycatch per species/taxa of PETS in a given region?
- What methods are used to calculate the observation effort?
- Does the sampling design and protocol follow the recommendations from relevant expert groups? Provide appropriate references. If there are no relevant expert groups, the design and protocol have to be explained in the text.

Additional information on observer protocols (if already filled in in Annex 1.1, indicate where it can be found):

- Does the on-board observer protocol contain a check for rare specimens in the catch at opening of the cod-end? If YES, is the observer instructed to indicate if the cod-end was NOT checked in a haul?

- In gill nets and hook-and-line fisheries: does the on-board observer protocol instruct the observer to indicate how much of the hauling process has been observed for (large) incidental bycatches that slip out of the net?
- In large catches: does the protocol instruct the observer to check for rare specimens during sorting of the catch (i.e. at the conveyor belt)? Is the observer instructed to indicate what percentage of the sorting or hauling process has been checked at 'haul level'?

Additional information on sampling schemes

You may add specific contextual information related to a region and the implementation year(s), for instance highlighting new developments not yet detailed in the quality document, regional adaptation and/or perspectives for the future. Insert the information under the same sampling scheme identifier as in Table 2.5.

Additional description on sampling frames

You may add a complementary description to what includes the 'Sampling frame description' column of Table 2.5. Insert the information under the same identifier and name as in the columns 'Sampling frame identifier' and 'Sampling frame description' of Table 2.5, and in the same order (Sampling frame identifier + Sampling frame description).

(One text box of max. 1 000 words per region/RFMO/RFO/IO)

Results

Provide additional information, if available, in this text box. For example, summary information on the number of individuals recorded as bycaught per species, gear group and monitoring method with information about the state of the animals (i.e. were they released alive, dead, or collected for sampling).

Deviations from the work plan

The Member State shall list the deviations (if any) in the achieved data collection compared to what was planned in the work plan and explain the reasons for the deviations.

Actions to avoid deviations

The Member State shall describe the actions that will be considered/have been taken to avoid deviations in the future and when these actions are expected to produce an effect. If there are no deviations, then this section is not applicable.

(One text box of max. 1 000 words per region/RFMO/RFO/IO)

Text Box 4.3: Fisheries impact on marine habitats

General comment: This text box fulfils Article 5 paragraph 2(a) and 2(b), Article 6 paragraph 3(a), 3(b) and 3(c) of Regulation (EU) 2017/1004 and Chapter 2, point 4.2 of the EU MAP Delegated Decision annex. It contains information on additional studies on the fisheries impact on marine habitats.

1. Aim of the study
2. Duration of the study
3. Methodology and expected outcomes of the study

(max. 900 words per study)

Brief description of the results (including deviations from the plan and justifications as to why if this was the case).
 Achievement of the original expected outcomes and justification if this was not the case.
 Follow-up to the activities (what are the next steps, how the results will be used).
 (max. 900 words per study)

5: Economic and social data in fisheries

Table 5.1: Fleet total population and clustering

General comment: This table is intended to indicate the size of fleet segments and clustering schemes. The population shall include all active and inactive vessels registered in the Union Fishing Fleet Register, as defined in Commission Regulation (EU) 2017/218 on 31 December of the reporting year, and vessels that do not appear on the Register at that date but have fished at least one day during the reporting year.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'.
Implementation year	Indicate the year or a range of years in which the activity will be implemented, using the format '202X' or '202X-202X'.
Supra region	Use the naming convention from Table 2 of the EU MAP Implementing Decision annex. If information refers to all supra regions, insert 'all supra regions'. See MasterCodeList 'Supra region'.
Geo Indicator	The 'Geo Indicator' distinguishes fleet segments operating in outermost regions and fleet segments operating exclusively in non-EU waters (international waters + third-country fisheries partnership agreements). If a Geo Indicator is not relevant for a fleet segment, use the 'NGI' code. See MasterCodeList 'Geo Indicator'.
Activity indicator	Use the following activity indicators: 'Low active'; 'Active'; and 'NA'. If you divide a fleet segment into different activity levels, use 'L' for the low activity vessels and 'A' for the normal economic activity vessels. The sum of the vessels with 'L' and 'A' activities should be equal to the total population of that segment. The methodology for how to apply activity level is provided in Recommendation 5 of PGECON 2018. If an activity level is not applied, use 'NA'. See MasterCodeList 'Activity indicator'.
Fishing technique	Use the naming convention from Table 8 of the EU MAP Delegated Decision annex. See MasterCodeList 'Fishing technique'.
Length class	Use the naming convention from Table 8 of the EU MAP Delegated Decision annex. Put an asterisk if the segment has been clustered with other segment(s) for data collection purposes. See MasterCodeList 'Length Class'.
Segment or Cluster Name	Enter the name of a segment or a cluster, in case of clustering. Use the naming convention from Table 8 of the EU MAP Delegated Decision annex. Put an asterisk if the segment has been clustered with other segment(s) for data collection and reporting purposes, e.g. 'Beam trawlers 0-< 6 m*'. See WP guidance for Text Box 5.2 point 1. See codes for 'Fishing technique' and 'Length class' in the MasterCodeList.

Total population (WP)	Enter the number of vessels as defined in Chapter II point 5.1 of the EU MAP Delegated Decision annex, based on information available at the time the WP is submitted.
WP comments	Any further comments.
AR reference year	Enter the year for which data have been collected.
Total population (AR)	The population comprises all active and inactive vessels registered in the Union Fishing Fleet Register as defined in Commission Implementing Regulation (EU) 2017/218 on 31 December of the reporting year and vessels that do not appear in the Register at that date but have fished at least one day during the reporting year.
AR comments	Any further comments.

Table 5.2: Economic and social variables for fisheries data collection strategy

General comment: This table fulfils Article 5(2)(d), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004, and Chapter II point 5 of the EU MAP Delegated Decision annex. This table is intended to specify data to be collected under Tables 7 and 9 of the EU MAP Delegated Decision annex. Use this table to give an overview of the population for economic and social data in the fisheries sector.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'.
Implementation year	Indicate the year or a range of years in which the activity will be implemented, using the format '202X' or '202X-202X'.
Supra region	Use the naming convention from Table 2 of the EU MAP Implementing Decision annex. If information refers to all supra regions, insert 'all supra regions'. See MasterCodeList 'Supra region'.
Geo Indicator	The 'Geo Indicator' distinguishes fleet segments operating in outermost regions and fleet segments operating exclusively in non-EU waters (international waters + third-country fisheries partnership agreements). If a Geo Indicator is not relevant, use the 'NGI' code. See MasterCodeList 'Geo Indicator'.
Activity indicator	Use the following activity indicators: Low active; Active and NA. If you divide a fleet segment into different activity levels, use 'L' for the low activity vessels and 'A' for the normal economic activity vessels. The sum of the vessels with 'L' and 'A' activities should be equal to the total population of that segment. Methodology of how to apply activity level is provided in the Recommendation 5 of PGECON 2018. If activity level is not applied, use 'NA'. See MasterCodeList 'Activity indicator'.
Type of variables (E/S)	Enter the category to which the variables belong: 'E' (economic) or 'S' (social). See the 'Description' column in MasterCodeList 'Economic and Social Variables'.
Segment or cluster name	Enter the name of a segment or a cluster, in case of clustering. Use the naming convention from Table 8 of the EU MAP Delegated Decision annex. Put an asterisk if the segment has been clustered with other segment(s) for data collection and reporting purposes, e.g. 'Beam trawlers 0-< 6 m*'. See WP guidance for Text Box 5.2 point 1. See codes for 'Fishing technique' and 'Length class' in the MasterCodeList. For social data collection, you may use 'All segments' code from 'Segment or cluster name' list in the MasterCodeList.

Economic and social variables	Use the naming convention from column 2 of Table 7 of the EU MAP Delegated Decision annex for the economic variables, and Table 9 of the EU MAP Delegated Decision annex for the social variables. See the 'Description' column for list 'Economic and Social Variables' in MasterCodeList.
Data source	Indicate the data sources used. If there is no planned data collection for some variables, enter 'NA' ('Not applicable'). Separate multiple data sources with ';'. See MasterCodeList 'Data source'.
Data collection scheme	Enter the data collection scheme code (C – Census; PSS – Probability Sample Survey; NPS – Non-Probability Sample Survey; IND – Indirect survey, where the variable is not directly collected but estimated or derived.). If there is no planned data collection for some variables, enter 'NA' ('Not applicable'). See MasterCodeList 'Data collection scheme'.
Planned sample rate (%)	Indicate the planned sample rate (%) based on the population. If there is no planned data collection for some variables, enter 'N' (no). <ul style="list-style-type: none"> • If the 'Data collection scheme' of multiple 'Data source' entries are the same, add up the percentages for 'Planned sample rate' and present them in one line. • For each 'Data source' with different 'Data collection scheme', enter values for 'Planned sample rate' in separate lines. If the 'Data source' is related to the Control Regulation, the corresponding figures can be ignored (as it would have to be 100 % in all cases).
WP comments	Indicate if your Member State cross checks data sources used in conjunction with the main data source, and describe the process in Annex 1.2. Any further comments.
AR reference year	Enter the year for which data have been collected.
Total population	Enter the total population number. It should be consistent with the 'Total population (AR)' column in Table 5.1.
Updated planned sample rate (%)	Enter the sample rate (%), updated during the sampling process (based on updated information).
Updated planned sample number	This column fills in automatically with whole numbers (no fractions). 'Updated planned sample number' = 'Total population' * 'Updated planned sample rate (%)'
Achieved response number	Enter the number of responses received.
Response rate (%)	Number of responses/Sample size 'Response rate (%)' = ('Achieved response number'/'Updated planned sample number') %
Achieved coverage (%)	'Achieved coverage (%)' = ('Achieved response number'/'Total population (AR)') %
Updated planned sample rate/Planned sample rate (%)	'Updated planned sample rate (%)'/'Planned sample rate (%)'
AR comments	Add comments to clarify any deviation from the work plan.

Text Box 5.2: Economic and social variables for fisheries data collection strategy

General comment: This text box fulfils Article 5(2)(d), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004, and Chapter II point 5 of the EU MAP Delegated Decision annex. It is intended to specify the data to be collected under Tables 7, 8 and 9 of the EU MAP Delegated Decision annex.

1. Description of clustering

In cases where a fleet segment has less than 10 vessels:

- (a) Clustering may be necessary to design the sampling plan and to report economic variables;
- (b) Member States shall report which fleet segments have been grouped at national level and shall justify the clustering on the basis of statistical analysis;
- (c) In their annual report, Member States shall report the number of sampled vessels for each fleet segment regardless of any clustering made to collect or provide the data.

Clustering should be described, and information should be given on the segments that are clustered.

The Member State should distinguish between segments considered for clustering as follows:

- (a) Important segments with distinct characteristics;
- (b) Segments similar to other segments;
- (c) Non-important segments with distinct characteristics.

Importance of fleet segments should be assessed in terms of landings (value and volume) and/or effort. Similarity should be demonstrated using expert knowledge on fishing patterns or on available data on landings and/or effort.

For each of the cases described, the Member State should apply the following approaches for clustering according to the different characteristics of fleet segments:

- (a) Important segments with distinct characteristics
- (b) Such segments should not be clustered unless strictly necessary in data reporting for confidentiality reasons. Data should be collected separately for these segments and included in national totals (unless separate identification is then made possible as a consequence).
- (c) Segments similar to other segments
- (d) Such segments can be clustered for sampling purposes, as well as for confidentiality reasons. The segments merged should be selected according to criteria that should be fully explained and justified by the Member State. In particular, the approach to determine similarity should be clearly described by the Member State.
- (e) Non-important segments with distinct characteristics
- (f) Such segments can be clustered for sampling purposes, as well as for confidentiality reasons. These segments can be merged with other non-important segments. Clustering of these segments with other important segments should be avoided. The Member State should explain how the lower level of importance had been determined and for which reasons the clustered segments have been selected. Clusters should be named after the biggest segment in terms of numbers of vessels or economic significance.

2. Description of activity indicator

If the Member State is using an activity indicator to divide the fleet segment into different activity levels, use 'L' for the low activity vessels and 'A' for the normal economic activity vessels. Please provide a description of the activity methodology used.

3. Deviation from the RCG ECON (ex. PGECON) definitions

Describe and justify any deviations from variable definitions as listed in the 'EU MAP Guidance Document' on the DCF website.

In case the PIM is not used, explain and justify the application of alternative methods.

(max. 900 words)

Deviations from the work plan

List the changes from the WP (if any) and explain the reasons.

Actions to avoid deviations

Briefly describe the actions that will be considered/have been taken to avoid deviations in the future and when these actions are expected to produce an effect. If there are no deviations, then this section is not applicable.

(max. 900 words)

6: Economic and social data in aquaculture

Table 6.1: Economic and social variables for aquaculture data collection strategy

General comment: This table fulfils Article 5(2)(e), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004, and Chapter II point 6 of the EU MAP Delegated Decision annex. This table is intended to specify data to be collected under Tables 9, 10, and 11 of the EU MAP Delegated Decision annex. Use this table to give an overview of the collection of economic and social data from the aquaculture sector. Do not fill in Table 6.1 if your Member State's aquaculture production is below the 1 % EU threshold. Use Text box 6.1 to indicate and justify the applied threshold.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'.
Implementation year	Indicate the year or a range of years in which the activity will be implemented, using the format '202X' or '202X-202X'.
Aquaculture techniques	Enter the data segmentation by species and technique for aquaculture, as mentioned in Table 11 of the EU MAP Delegated Decision annex. For definitions of farming techniques, see Regulation (EC) No 762/2008. Collection of data is not mandatory if it is under the threshold applied by the Member State. See the 'Aquaculture technique' and 'Aquaculture species group' lists in the MasterCodeList.
Aquaculture species group	Enter the data segmentation by species and technique for aquaculture, as mentioned in Table 11 of the EU MAP Delegated Decision annex. For definitions of farming techniques, see Regulation (EC) No 762/2008. Collection of data is not mandatory if it is under threshold applied by the Member State. See lists 'Aquaculture technique' and 'Aquaculture species group' in MasterCodeList.
Type of variables (E/S)	Enter the category to which the variables belong: 'E' (economic) or 'S' (social). See the 'Description' column in MasterCodeList 'Economic and Social Variables'.
Economic and social variables	Use the naming convention from column 2 of Table 10 of the EU MAP Delegated Decision annex for the economic variables, and Table 9 of the EU MAP Delegated Decision annex for the social variables. See MasterCodeList 'Economic and Social Variables'.
Data source	Indicate the data sources used. Separate multiple data sources with ';'. See MasterCodeList 'Data source'.

Data collection scheme	Enter the data collection scheme code (C – Census; PSS – Probability Sample Survey; NPS – Non-Probability Sample Survey; IND – Indirect survey, where the variable is not directly collected but estimated or derived.). See MasterCodeList ‘Data collection scheme’.
Aquaculture thresholds	Indicate the threshold applied according to Chapter II point 7 of the EU MAP Implementing Decision annex. See MasterCodeList ‘Aquaculture thresholds’.
Planned sample rate (%)	Indicate the planned sample rate (%) based on the population, as defined in Chapter II point 6.1 of the EU MAP Delegated Decision annex. If there is no planned data collection for some variables enter ‘N’ (no). <ul style="list-style-type: none"> • If the ‘Data collection scheme’ of multiple ‘Data source’ entries are the same, add up the percentages for ‘Planned sample rate’ and present them in one line. • For each ‘Data collection scheme’ with different ‘Data source’, enter values for ‘Planned sample rate’ in separate lines.
WP comments	Indicate if your Member State cross checks data sources used in conjunction with the main data source, and describe the process in Annex 1.2. Any further comments.
AR reference year	Enter the year for which data have been collected.
Number of enterprises	Enter the number of enterprises in the segment.
Updated planned sample rate (%)	Enter the sample rate (%), updated during the sampling process (based on updated information).
Updated planned sample number	This column fills in automatically with whole numbers (no fractions). ‘Updated planned sample number’ = ‘Number of enterprises’ * ‘Updated planned sample rate (%)’
Achieved response number	Enter the number of responses received.
Response rate (%)	Number of responses/Sample size ‘Response rate (%)’ = (‘Achieved response number’/‘Updated planned sample number’) %
Achieved coverage (%)	‘Achieved coverage (%)’ = (‘Achieved response number’/‘Number of enterprises’) %
Updated planned sample rate/Planned sample rate (%)	‘Updated planned sample rate (%)’/‘Planned sample rate (%)’
AR comments	Add comments to clarify any deviation from the work plan.

Text Box 6.1: Economic and social variables for aquaculture data collection strategy

General comment: This text box fulfils Article 5(2)(e), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004, and Chapter II point 6 of the EU MAP Delegated Decision annex. It is intended to specify the data to be collected under Tables 10 and 11 of the EU MAP Delegated Decision annex.

1. Description of the threshold application

Please provide a percentage for the Member State’s production from the latest EU aquaculture production reported to Eurostat. Describe and justify the applied threshold(s). 2. Deviation from RCG ECON (ex. PGECON) definitions

Describe and justify any deviations from variable definitions as listed in the 'EU MAP Guidance Document' on the DCF website.

(max. 900 words)

Deviations from the work plan

List the changes from the WP (if any) and explain the reasons.

Actions to avoid deviations

Briefly describe the actions that will be considered/have been taken to avoid deviations in the future and when these actions are expected to produce an effect. If there are no deviations, then this section is not applicable.

(max. 900 words)

7: Economic and social data in fish processing

Table 7.1: Economic and social variables for fish processing data collection strategy

General comment: This table fulfils Article 5(2)(f), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004, and Chapter II point 7 of the EU MAP Delegated Decision annex. This table is intended to specify data to be collected under the EU MAP Delegated Decision annex for complementary data collection. Use this table to give an overview of the collection of economic and social data of the processing industry. Specify data collection for variables not covered by Eurostat or for which additional sampling is required. Economic and social data may be collected for fish processing enterprises below 10 employees, for enterprises which have fish processing as a secondary activity, and for variables not covered by Eurostat.

The complementary data collection for fish processing may be implemented on a voluntary basis.

Field name	Description
MS	Use ISO 3166-1 alpha-3 code e.g. 'DEU'. See MasterCodeList 'MS'.
Implementation year	Indicate the year or a range of years in which the activity will be implemented, using the format '202X' or '202X-202X'.
Fish processing segment	Use number of persons employed as the segmentation criteria, in line with Eurostat segmentation: companies <= 10; companies 11-49; companies 50-249; companies > 250. Enter 'NA' if no segmentation is applied. See MasterCodeList 'Fish processing segment'.
Type of variables (E/S)	Enter the category to which the variables belong: 'E' (economic) or 'S' (social). See the 'Description' column in MasterCodeList 'Economic and Social Variables'.
Economic and social variables	Use codes from MasterCodeList 'Economic and Social Variables', in line with Annex V to the PGECON 2020 report.
Fish processing activity	Use codes from MasterCodeList 'Fish processing activity'.
Data source	Indicate the data sources used. Separate multiple data sources with ';'. See MasterCodeList 'Data source'.
Data collection scheme	Enter the data collection scheme code (C – Census; PSS – Probability Sample Survey; NPS – Non-Probability Sample Survey; IND – Indirect survey, where the variable is not directly collected but estimated or derived.). See MasterCodeList 'Data collection scheme'.

Planned sample rate (%)	The population may refer to enterprises whose main activity is defined according to the Eurostat definition under NACE Code 15.20: 'Processing and preserving of fish and fish products' and to those which have fish processing as a non-main activity. <ul style="list-style-type: none"> • If the 'Data collection scheme' of multiple 'Data source' entries are the same, add up the percentages for 'Planned sample rate' and present them in one line. • For each 'Data collection scheme' with different 'Data source', enter values for 'Planned sample rate' in separate lines.
WP comments	Indicate if your Member State cross checks data sources used in conjunction with the main data source, and describe the process in Annex 1.2. Any further comment.
AR reference year	Enter the year for which data have been collected.
Number of enterprises	Enter the number of enterprises in the segment.
Updated planned sample rate (%)	Enter the sample rate (%), updated during the sampling process (based on updated information).
Updated planned sample number	This column fills in automatically with whole numbers (no fractions). 'Updated planned sample number' = 'Number of enterprises' * 'Updated planned sample rate (%)'
Achieved response number	Enter the number of responses received.
Response rate (%)	Number of responses/Sample size 'Response rate (%)' = ('Achieved response number'/'Updated planned sample number') %
Achieved coverage (%)	'Achieved coverage (%)' = ('Achieved response number'/'Number of enterprises') %
Updated planned sample rate/planned sample rate (%)	'Updated planned sample rate (%)'/'Planned sample rate (%)'
AR comments	Add comments to clarify any deviation from the work plan.

Text Box 7.1: Economic and social variables for fish processing data collection strategy

General comment: This text box fulfils Article 5(2)(f), Article 6(3)(a), (b) and (c) of Regulation (EU) 2017/1004, and Chapter II point 7 of the EU MAP Delegated Decision annex.

1. The Member State should provide justification for complementary data collection for fish processing in addition to Eurostat data.
2. Deviation from RCG ECON (ex. PGECON) definitions
Describe and justify any deviations from variable definitions as listed in the 'EU MAP Guidance Document' on the DCF website.

(max. 900 words)

Deviations from the work plan

List the changes from WP (if any) and explain the reasons.

Actions to avoid deviations

Briefly describe the actions that will be considered/have been taken to avoid deviations in the future and when these actions are expected to produce an effect. If there are no deviations, then this section is not applicable.

(max. 900 words)

III – Quality reports enclosed in the work plans and the annual reports

The work plans and the annual reports shall include annexes with quality reports. The templates for these annexes are listed below. White fields shall be filled in for the work plan, grey fields apply to the annual report.

‘ANNEX 1.1 – Quality report for biological data sampling scheme’

Use this annex to state whether documentation in the data collection process (design, sampling implementation, data capture, data storage, sample storage and data processing) exists and identify where this documentation can be found. Provide short descriptions where indicated, even if the documentation can be found in English. Names of sampling schemes and strata shall be identical to those in Tables 2.2, 2.3, 2.4, 2.5, 2.6 and 4.1 of the WP/AR. For quality information on scientific surveys, use the survey acronym as a sampling scheme identifier. For mandatory surveys, refer to Table 1 of the EU MAP Implementing Decision annex, see also MasterCodeList ‘Mandatory survey at sea’.

MS:

Region:

Sampling scheme identifier:

Sampling scheme type:

Observation type:

Time period of validity: from when until when

Short description (max 100 words): *e.g. sampling scheme aiming to collect length samples from commercial landings on-shore for all species listed in Table 1 of the EU MAP Delegated Decision annex. The scheme covers mainland and all outermost regions (‘RUP’ in French, Portuguese, and Spanish).*

Description of the population

Population targeted: Specify the primary sampling units (PSUs), e.g. all national port*days (information present in former Table 4B). For research surveys: specify the main target species from a survey perspective (as opposed to Table 1 in the Annex to the Implementing Decision) and the main survey area.

Population sampled: Specify which part of the target population will be sampled and specify which part of the target population is unreachable for sampling or excluded for some reason, *e.g. major ports being listed as auctions excluding all minor ports and no sampling during the week-ends*. For research surveys at sea describe target species in single-species surveys or ecosystem components (*e.g. demersal, pelagic*) in multispecies surveys.

Stratification: Explain the logic taken to stratify the population and the number of strata generated, *e.g. population stratified in three geographical lots (from A to B, from B to C and from C to D). Each lot is then stratified by auction.*

AR comment: Indicate any deviations.

Sampling design and protocols

Sampling design description: Describe how the sampling allocation is defined; how PSUs and SSUs are selected for sampling; indicate for which catch fraction the sampling scheme applies.

Is the sampling design compliant with the 4S principle?: Y/N/NA (NA for e.g. surveys and diadromous and recreational sampling schemes)

Regional coordination: Indicate if the sampling design and protocols were developed as part of a regional or multi-lateral agreement, and if yes, refer to the agreement (table 1.3) and list all participating Member States.

Link to sampling design documentation: Provide a link to a webpage where the documentation can be found. If no link is available, but documentation exists, provide a literature reference (author(s), year and type of publication – e.g. internal report). If no documentation on the sampling design exists, provide some details in the textbox.

Compliance with international recommendations: Enter 'Y' (yes) if the sampling design is in line with international recommendations, and 'N' if not. If no relevant expert or coordination groups exist, the sampling design should be shortly explained in the text, and should be available upon request for the evaluators.

Link to sampling protocol documentation: Provide a link to a webpage where the documentation can be found. If no link is available, but documentation exists, provide a literature reference (author(s), year and type of publication – e.g. internal report). If no documentation on the sampling design exists, provide details of the sampling protocol in this textbox.

AR comment: Indicate any deviations.

Sampling implementation

Recording of refusal rate: Indicate 'Y' (yes), 'N' (no), or 'NA' (not applicable, in case of research surveys). If 'N' (no), indicate when (year) documentation will be available.

Monitoring of sampling progress within the sampling year: Indicate how sampling allocations are adjusted (if needed) and followed-up. What mechanisms are in place to resolve issues and adopt mitigation measures during the sampling year?

AR comment: Indicate any deviations.

Data capture

Means of data capture: Short description (+ optional photo). Indicate what the means for collecting the data are, e.g. scales, measuring board, dedicated software, etc.

Data capture documentation: Provide a link to a webpage where the documentation can be found. If no link is available, but documentation exists, provide a literature reference (author(s), year and type of publication – e.g. internal report). If no documentation on data capture (e.g. measuring protocols, maturity staging, manual for the data capture, etc.) exists, provide some details in the textbox.

Quality checks documentation: Indicate 'Y' (yes) or 'N' (no). If 'N' (no), indicate when (year) documentation will be available. Provide a link to a webpage where the documentation can be found. If no link is available, but documentation exists, provide a literature reference (author(s), year and type of publication – e.g. internal report). If no documentation on the quality checks exists, provide some details in the text box.

AR comment: Indicate any deviations.

Data storage

National database: Provide the name of the national database, if applicable. Otherwise, insert 'NA' (not applicable). Provide a link if the database is accessible through a website.

International database: Provide the name of the international database(s) and the organisation hosting the database, if applicable. Otherwise, insert 'NA' (not applicable). Provide a link if the database is accessible through a website.

Quality checks and data validation documentation: Provide a link to webpage where the documentation can be found. Otherwise, provide some details in the text box.

AR comment: Indicate any deviations.

Sample storage

Storage description: Indicate the type of soft tissues and hard parts stored (e.g. age structures, stomach, plankton, genetics) and the location used for storing samples; how long the samples are stored; how conservation and maintenance, as well as access to samples, are organised; whether the samples are stored under the auspices/responsibility of an international organisation and, if yes, which one. Provide a link to information on quantities of sampled stored by species/stock, geographic sub-area and by year.

Sample analysis: Provide a brief description or references to documents, including links to webpages (e.g. age reading manuals, EGs reports and protocols) if appropriate, where information on the processing of the samples is provided.

AR comment: Indicate any deviations.

Data processing

Evaluation of data accuracy (bias and precision): Indicate 'Y' (yes) or 'N' (no). If 'N' (no), indicate when (year) documentation will be available. Provide a link to a webpage where the documentation can be found. If no link is available, but documentation exists, provide a literature reference (author(s), year and type of publication – e.g. internal report). If no documentation on the evaluation of data accuracy exists, provide some details in the textbox.

Editing and imputation methods: Indicate 'Y' (yes) or 'N' (no). If 'N' (no), indicate when (year) documentation will be available. Provide a link to a webpage where the documentation can be found. If no link is available, but documentation exists, provide a literature reference (author(s), year and type of publication – e.g. internal report). If no documentation on the editing and imputation methods exists, provide some details in the textbox.

Quality document associated to a dataset: Has a publication digital object identifier (DOI) been created? Is there a document summarising the estimation process that has been followed?

Validation of the final dataset: How are datasets validated (quality checked) before being provided to the end user?

AR comment: Indicate any deviations.

AR comment: Use this text box for providing any additional comments if necessary.

'ANNEX 1.2 – Quality report for socioeconomic data sampling scheme'

Use this annex to describe quality aspects of the data collection process (design, sampling implementation, data capture, data storage and data processing etc.). Fill the annex for each sampling scheme. Where applicable, use the handbook on sampling design (Deliverable 2.1 from MARE/2016/22 SECFISH study).

Provide information under each point in all sections. Do not delete any text from the template.

Survey specifications

'Sector name' refers to socioeconomic data on fisheries, aquaculture and any complementary data collection for fishing activities and processing, as in the EU MAP Delegated Decision annex.

'Sampling scheme' refers to the survey technique: by census, by sampling, random or non-random, other (with explanation). If sampling, then outline sampling design.

'Variables' refer to Tables 7, 9 and 10 of the EU MAP Delegated Decision annex.

'Supra region' refers to Table 2 of the EU MAP Implementing Decision annex. If the sampling scheme is the same in all supra regions, put 'All supra regions'.

Sector name(s):

Sampling scheme:

Variables:

Supra region(s):

Survey planning

1. Provide a short description of the population to which the sampling scheme applies, e.g. 'less active vessels using passive gears'.

AR comment: Indicate any deviations.

Survey design and strategy

1. List data sources, e.g. interviews, registers, log books, sales notes, VMS, financial accounts etc.
2. Describe how the sample sizes were determined.
3. Describe survey methods and distribution, e.g. questionnaire forms by post, by email, on a website, by phone, access to other datasets, etc.
4. Describe the role of auxiliary information, if any, in the strategy, e.g. for validation, cross referencing, as a fall-back data source, etc.

AR comment: Indicate any deviations.

Estimation design

1. Describe method of calculating population estimate from sample.
2. Describe method of calculating derived data, e.g. imputed values.
3. Describe treatment of non-responses.

AR comment: Indicate any deviations.

Error checks

1. Describe potential errors and how and where in the process these are detected, avoided or eliminated, e.g. data duplication, double counting, respondent error, upload error, processing error, etc.

AR comment: Indicate any deviations.

Data storage and documentation

1. Describe how the data are stored.
2. Provide a link to the webpage where additional methodological documentation can be found, if any.

AR comment: Indicate any deviations.

Revision

1. Describe the frequency of the methodology review, e.g. revision of segmentation, survey method per segment, per variable, etc.

AR comment: Indicate any deviations.

Confidentiality

1. Are procedures for confidential data handling in place and documented?
2. Are protocols to enforce confidentiality between DCF partners in place and documented?
3. Are protocols to enforce confidentiality with external users in place and documented?
4. Are there any issues with publication of data due to confidentiality reasons? Provide an explanation.

AR comment: Indicate any deviations.

AR comment: Use this text box to provide any additional comments, if necessary.
