Institute of Agricultural Economics and Information and Ministery of Agriculture of the Czech Republic

Regulation (EU) 2017/1004 of 17 May 2017of the European Parliament and the Council

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

Commission Implementing Decision (EU) 2019/909 of 18 February 2019 establishing the list of mandatory research surveys and thresholds for the purposes of the multiannual Union program for the collection and management of data in the fisheries and aquaculture sectors

Commission Delegated Decision (EU) 2019/910 of 13 March 2019 establishing the multiannual Union program for the collection and management of biological, environmental, technical, and socioeconomic data in the fisheries and aquaculture sectors

Commission Implementing Decision (EU) 2016/1701 of 19 August 2016laying down rules on the format for the submission of work plans for data collection in the fisheries and aquaculture sectors.

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.

Czech Republic Annual Report for data collection in the fisheries and aquaculture sectors

2020

Version 1.1

Prague, 18.6.2021

CONTENTS

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. 1
SECTION 1: BIOLOGICAL DATA 3
Text Box 1C: Sampling intensity for biological variables 3
SECTION 1: BIOLOGICAL DATA 4
Text Box 1D - Recreational fisheries 4
SECTION 1: BIOLOGICAL DATA 5
Pilot Study 1: Relative share of catches of recreational fisheries compared to commercial fisheries 5
SECTION 1: BIOLOGICAL DATA 6
Text Box 1E: Anadromous and catadromous species data collection in fresh water 6
SECTION 1: BIOLOGICAL DATA 7
Text box 1F: Incidental by-catch of birds, mammals, reptiles and fish 7
SECTION 1: BIOLOGICAL DATA 8
Pilot Study 2: Level of fishing and impact of fisheries on biological resources and marine ecosystem 8
SECTION 1: BIOLOGICAL DATA 9
Text Box 1G: List of research surveys at sea 9
SECTION 2: FISHING ACTIVITY DATA 10
Text Box 2A: Fishing activity variables data collection strategy 10
SECTION 3: ECONOMIC AND SOCIAL DATA 12
Text Box 3A: Population segments for collection of economic and social data for fisheries 12
SECTION 3: ECONOMIC AND SOCIAL DATA 14
Pilot Study 3: Data on employment by education level and nationality 14
SECTION 3: ECONOMIC AND SOCIAL DATA 15
Text Box 3B: Population segments for collection of economic and social data for aquaculture 15
SECTION 3: ECONOMIC AND SOCIAL DATA 19
Pilot Study 4: Environmental data on aquaculture 19
SECTION 3: ECONOMIC AND SOCIAL DATA 20
Text Box 3C: Population segments for collection of economic and social data for the processing industry 20
SECTION 4: SAMPLING STRATEGY FOR BIOLOGICAL DATA FROM COMMERCIAL FISHERIES 22
Text Box 4A: Sampling plan description for biological data 22
SECTION 5: DATA QUALITY 23
SECTION 5: DATA QUALITY 24
Text Box 5B: Quality assurance framework for socioeconomic data 23

Text Box 1C: Sampling intensity for biological variables

General comment: This box fulfils paragraph 2 point (a)(i)(ii)(iii) of Chapter III, of the Annex of the Delegated Decision (EU) 2019/910 and Chapter I of the Implementing Decision (EU) 2019/909 on the multiannual Union programme; and Article 2, Article 4 paragraph 1 and Article 8 of the Implementing Decision (EU) 2016/1701 on the format of the WP. This box is applicable to the Annual Report.

It is not relevant for the Czech Republic as a landlocked country.

Member State should provide by Region/RFMO/RFO/IO:

1. Evidence of data quality assurance

Quality evaluation can only be carried out if the information coming from Table 5A in the Work Plan is available. If this is not the case, Member State shall provide an overview by giving information on the methodology used to assure the quality of the data collected.

e.g.:

The sampling design and protocols follow the outcomes of sampling expert groups.
Use of common standard criteria agreed with other countries/groups.
Use of special packages or tools (e.g. COST …) for calculations.
Use of sampling protocol for storage of data.
Use of sampling protocol for processing of data.
Use appropriate exploratory statistical techniques to detect outliers and anomalous registers.

2. Deviations from the Work Plan

MS to 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. The threshold for deviation follow those set in the former AR: <90 % and >150 %.

Explain any deviation from the proposed:

- sampling intensity,
- methods used for collecting data.
- methods used for estimating the parameters.

General reasons for deviations from the Work Plan in terms of planned vs. achieved 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 1C.

In case of Member State adding new species not included in the WP, this should be clearly explained and justified.

3. Actions to avoid deviations.

Member State to 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 effect. If there are no deviations, then this section is not applicable.

(max. 1000 words per Region/RFMO/RFO/IO)

Text Box 1D - Recreational fisheries

General comment: This box fulfills paragraph 2 point (a) (iv) of Chapter III of the Annex of the Delegated Decision (EU) 2019/910 on the multiannual Union programme; and Article 2, Article 3 and Article 4 paragraph 1 of the Implementing Decision (EU) 2016/1701 on the format of the WP. This box is applicable to the Annual Report. This box is intended to provide information on the design, implementation and analysis of all components of sampling schemes/ surveys that are listed in Table 1D.

It is not relevant for the Czech Republic as a landlocked country.

1. Description of the target population

The target population and the elements of this target population accessibility, need to be defined and described in this section. In the case of Recreational Fisheries, the target population could be whole population of resident anglers, charter boats etc. This will permit to evaluate if all sectors contributing to the total catch, are included in the survey.

2. Type of survey

In Table 1D, the methodology or type of survey used must be included, but any information about the design is missing.

Table 5A in the Work Plan allows to identify if the sampling design is documented and where it can be found. Are the surveys identified correctly in Table 5A and information about sampling design provided under this table?

If the answer is No: information on the design should be included in this section of the Annual Report (e.g.: stratification, selection of PSU, is sampling probability base etc.).

3. Data Quality

Information about non-responses and refusals is found in the Work Plan, Table 5A. Are non-responses and refusals recorded in Table 5A?

If the answer is No: information on recordings of non-responses and refusals should be included in this section of the Annual Report.

4. Data Analysis and processing

Information about data processing is found in the Work Plan, Table 5A. Are the editing and imputation methods documented and identified?

If the answer is No: information on estimation procedures should be included in this section of the Annual Report, following the questions below:

Does the estimation procedure follow the survey design?

Has the precision of the estimates been calculated and documented?

(max. 900 words per survey)

Pilot Study 1: Relative share of catches of recreational fisheries compared to commercial fisheries

General comment: This box fulfils paragraph 4 of Chapter II of the Annex of the Implementing Decision (EU) 2019/909 on the multiannual Union programme and Article 2 and Article 4 paragraph (3) point (a) of the Implementing Decision (EU) 2016/1701 on the format of the WP.
General comment: This box is applicable to the Annual Report. This box is intended to provide information on the results obtained from the implementation of the pilot study.
It is not relevant for the Czech Republic as a landlocked country.
1. Aim of pilot study 2. Duration of pilot study 3. Methodology and expected outcomes of pilot study (max 900 words)
Brief description of the results obtained (including deviations from planned and justifications as to why if this was not the case). 4. Achievement of the original expected outcomes of pilot study and justification if this was not the case. 5. Incorporation of results from pilot study into regular sampling by the Member State. (max 900 words)

Text Box 1E: Anadromous and catadromous species data collection in fresh water

General comment: This box fulfills paragraph 2 points (b) and (c) of Chapter III of the Annex of the Delegated Decision (EU) 2019/910 on the multiannual Union programme; and Article 2 of the Implementing Decision (EU) 2016/1701 on the format of the WP.

General comment: This box is applicable to the Annual Report.

1. Method selected for collecting data.

The Czech Republic has not implemented any project in the area of salmon or eel in 2020, that would be paid by OP Fisheries 2014 - 2020.

The Czech Republic has processed in 2020 ongoing supplementary study called: *Evaluation of the eel management plan in the fishing grounds of the Czech Republic included in the area of the eel management plan* that was paid by national funds.

The results of this study will serve the Ministry of Agriculture as a basis for ensuring the revision of the Eel Management Plan in the Czech Republic in accordance with Council Regulation (EC) No 1100/2007 of 18 September 2007 establishing measures for the recovery of the stock of European eel. The results of this study will also serve as a tool for more efficient and cost-effective management with this species.

(max 250 words per Area)

2. Were the planned number achieved? Yes/ No

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

No. The Czech Republic did not carry out any practical research of anadramous and catadromous fish species (salmon and eel) according to the work plan 2020. The Czech Republic has extended the list of potential applicants under measure 3.1 Data collection.

Due to pandemic situation of COVID-19, resulting thereform many restrictions there was no possible to achieve and conducted planned activities in data collection.

In terms of demanding administration and human resources, the Czech Republic does not have the opportunity to realize all of the projects, that have been included in the „Work plan“ last year.

The Czech Republic has started preparatory work for a revision of the eel management plan (Anguilla anguilla) in the Czech Republic, which should be completed in year 2022.

Ministry of Agriculture with the Institute of Agricultural Economics and Information have started the preparatory work for an information system, the AIS (Angling Information System), which will besides include a platform of eel data collection.

On the other hand the Czech republic is very active in virtual negotiations, conferences on EU level, where are main topics anadromous and catadromous species. Thanks to this virtual negotiations, conferences the Czech republic can be more prepared into the future state, when the restrictions (due to COVID-19 pandemic) will be not so strict and the situation with human resources will be stable.

(max 500 words per Area)

Text box 1F: Incidental by-catch of birds, mammals, reptiles and fish

General Comment: This box fulfils paragraph 3 point (a) of Chapter III of the Annex of the Delegated Decision (EU) 2019/910, on the multiannual Union programme; and Article 2 of the Implementing Decision (EU) 2016/1701 on the format of the WP. This box is applicable to the Annual Report. This box is applicable only for those sections where Member States have reported that they have been carrying out regular sampling. Results and deviations for Pilot studies should be reported under Pilot Study 2.

It is not relevant for the Czech Republic.

1. Results

Member States shall fill in Table 1F and provide additional information, if available, in this text box. For example, species (or family) identification, number of samples, and the state of the animals incidentally by-caught (i.e. were they released alive, dead, or collected for sampling).

2. Deviations from Work Plan

Member States shall list the deviations (if any) in the achieved data collection compared to what was planned in the WP and explain the reasons for the deviations.

Explain any deviations from the proposed:

- sampling intensity

- methods used for collecting data

3. Data quality

Member States shall provide information on sampling protocols and sampling design for incidental by-catch data collection.

Questions to be addressed are listed below:

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

- In gill nets - and hook-and-line fisheries: does the onboard observer protocol instruct the observer to indicate how much of the hauling process has been observed for (large) incidental bycatches which never came on board (because they fall out of the net)? In large catches: does the protocol instruct to check for rare specimens during sorting of the catch (i.e. at conveyor belt)? Is the observer instructed to indicate what percentage of the sorting or hauling process has been checked at “haul level”?

-Does the onboard observer protocol instruct to report on the use of mitigation (i.e. Escape Devices or Acoustic Deterrent Devices)?

- 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.

- Are data quality issues taken into account?

- How are data (and samples) stored

(max 900 words)

SECTION 1: BIOLOGICAL DATA

Pilot Study 2: Level of fishing and impact of fisheries on biological resources and marine ecosystem

General comment: This Box fulfills paragraph 3 point (c) of Chapter III of the Annex of the Delegated Decision (EU) 2019/910 on the multiannual Union programme; and Article 2 and Article 4 paragraph (3) point (b) of the Implementing Decision (EU) 2016/1701 on the format of the WP.
General comment: This box is applicable to the Annual Report. This box is intended to provide information on the results obtained from the implementation of the pilot study.
It is not relevant for the Czech Republic as a landlocked country. 1. Aim of pilot study 2. Duration of pilot study 3. Methodology and expected outcomes of pilot study *(max 900 words)*
Brief description of the results obtained (including deviations from planned and justifications as to why if this was not the case). 4. Achievement of the original expected outcomes of pilot study and justification if this was not the case 5. Incorporation of results from pilot study into regular sampling by the MS (max 900 words)

Text Box 1G: List of research surveys at sea

General comment: This box fulfills Chapter I of the Annex of the Implementing Decision (EU) 2019/909, on the list of mandatory surveys and thresholds, of the multiannual Union programme; and Article 2 and Article 7 paragraph (3) of the Decision (EU) 2016/1701 on the format of the WP. It is intended to specify which reseach surveys at sea set out in the multiannual Union programme will be carried out. Member States shall specify whether the research survey is included in Chapter I of the Annex of the implementing decision of the multiannual Union programme or whether it is an additional survey.

General comment: This box is applicable to the Annual Report. This box should provide complementary information on the performance of the surveys, the results and their main use.

It is not relevant for the Czech Republic as a landlocked country.

1. Objectives of the survey

2. Description of the methods used in the survey. For mandatory surveys, link to the manuals. Include a graphical representation (map)

3. For internationally coordinated surveys, describe the participating Member States/ vessels and the relevant international group in charge of planning the survey

4. Where applicable, describe the international task-sharing (physical and/or financial) and the cost-sharing agreement used

5. Explain where thresholds apply

(max. 450 words per survey)

6. Graphical representation (map) showing the positions (locations) of the realized samples.
Member State shall provide maps presenting the spatial distribution of the main sampling types obtained during the survey.

7. For internationally coordinated surveys, provide a link to the latest meeting report of the coordination group.
Member State shall provide a hyperlink to the meeting report from the body coordinating the survey (ICES, MEDITS coordination group, MEDIAS coordination group etc.). For non-international coordinated surveys, Member State shall refer to any status report (e.g. Cruise report).

8. List the main use of the results of the survey (e.g. indices, abundance estimates, environmental indicators).
Member State shall specify in which context the results are used (on routine basis), both on an international as well as on a national context.

9. Extended comments (Tables 1G and 1H)
If the Member State has extended AR Comments, these can be placed under this section. If this is the case, a reference to this text box should be provided in the corresponding tables.

(max 450 words per survey)

SECTION 2: FISHING ACTIVITY DATA

Text Box 2A: Fishing activity variables data collection strategy

General comment: This box fulfills paragraph 4 of Chapter III of the Annex of the Delegated Decision (EU) 2019/910 on the multiannual Union programme; and Article 2, Article 4 paragraph (2) point (b) and Article 5 paragraph (2) of the Implementing Decision (EU) 2016/1701 on the format of the WP. It is intended to describe the method used to derive estimates on representative samples where data are not to be recorded under Regulation (EU) No 1224/2009 or where data collected under Regulation (EU) No 1224/2009 are not at the right aggregation level for the intended scientific use.

General comment: This box is applicable to the Annual Report. This box should provide information on the implementation of the data collection of fishing activity variables of Member States.

It is not relevant for the Czech Republic as a landlocked country.

1. Description of methodologies used to cross-validate the different sources of data

2. Description of methodologies used to estimate the value of landings

3. Description of methodologies used to estimate the average price (it is recommended to use weighted averages, trip by trip)

4. Description of methodologies used to plan collection of the complementary data (sample plan methodology, type of data collected, frequency of collection etc)

(max 900 words per Region)

5. Deviations from Work Plan methodology used to cross-validate the different sources of data

List the deviations (if any) and explain the reasons for the deviations.

Actions to avoid deviations.

Briefly 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 effect. If there are no deviations, then this section can be skipped.

6. Deviations from Work Plan methodology used to estimate the value of landings.

List the deviations (if any) and explain the reasons for the deviations.

Actions to avoid deviations

Briefly 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 effect. If there are no deviations, then this section can be skipped.

7. Deviations from Work Plan methodology used to estimate the average price.

List the deviations (if any) and explain the reasons for the deviations.

Actions to avoid deviations.

Briefly 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 effect. If there are no deviations, then this section can be skipped.

8. Deviations from Work Plan methodology used to plan collection of the complementary data

List the deviations (if any) and explain the reasons for the deviations.

Actions to avoid deviations

Briefly 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 effect. If there are no deviations, then this section can be skipped.

(max 900 words per Region)

SECTION 3: ECONOMIC AND SOCIAL DATA

Text Box 3A: Population segments for collection of economic and social data for fisheries

General comment: This box fulfils paragraph 5 points (a) and (b) of Chapter III of the Annex of the Delegated Decision (EU) 2019/910 on the multiannual Union programme; and Article 2, Article 4 paragraphs (1), (2) and (5) and Article 5 paragraph (2) of the Implementing Decision (EU) 2016/1701 on the format of the WP. It is intended to specify data to be collected under Tables 5(A) and 6 of the delegated decision on the multiannual Union programme.

General comment: This box is applicable to the Annual Report. This box should provide information on the implementation of the fleet socio-economic data collection of Member States.

It is not relevant for the Czech Republic.

1. Description of methodologies used to choose the different sources of data

2. Description of methodologies used to choose the different types of data collection

3. Description of methodologies used to choose sampling frame and allocation scheme

4. Description of methodologies used for estimation procedures

5. Description of methodologies used on data quality

(max 900 words per Region)

6. Deviations from Work Plan methodology for selection of data source

List the deviations (if any) from the methodology used to select data source compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly 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 effect. If there are no deviations, then this section can be skipped.

7. Deviations from Work Plan methodology to choose type of data collection

List the deviations (if any) from the methodologies to choose type of data collecton scheme compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly 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 effect. If there are no deviations, then this section can be skipped.

8. Deviations from Work Plan methodology regarding sampling frame and allocation scheme

List the deviations (if any) from the methodologies used regarding sampling frame and allocation scheme compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly 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 effect. If there are no deviations, then this section can be skipped.

9. Deviations from Work Plan methodology used for estimation procedures

List the deviations (if any) from the methodologies used for estimation procedures compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly 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 effect. If there are no deviations, then this section can be skipped.

10. Quality assurance

10.1 Sound methodology

Briefly describe if the data collection follow methodologies, guidelines and best practices agreed in expert groups and whether methodologies are documented and are made publicly available.

10.2. Accuracy and reliability

Response rate and Achieved sample rate are provided in Table 3A.

For additional information, briefly describe how raw data inputs, intermediate results and outputs are regularly assessed and validated and how errors are identified, documented and dealt with.

10.3. Accessibility and Clarity

Indicate with Yes or No

Are methodological documents publicly available?

Are data stored in databases?

Where can methodological and other documentation be found?

Provide the web link, if documentation is publicly available

(max 1000 words)

Pilot Study 3: Data on employment by education level and nationality

General comment: This box fulfills paragraph 5 point (b) and paragraph 6 point (b) of Chapter III of the Annex Delegated Decision (EU) 2019/910 on the multiannual Union programme; and Article 2 and Article 4 paragraph (3) point (c) of the Implementing Decision (EU) 2016/1701 on the format of the WP. It is intended to specify data to be collected under Table 6 of the delegated decision on the multiannual Union programme.
General comment: This box is applicable to the Annual Report. This box is intended to provide information on the results obtained from the implementation of the pilot study (including deviations from planned and justifications as to why if this was not the case).
The Czech Republic did not plan a pilot study for social data collection separately for 2020. However, social data in the required structure were collected for the year 2018 within the pilot project "Data collection in aquaculture in the Czech Republic for 2017 and 2018". The results of the pilot collection of social data (as well as economic data - more described in Text Box 3B), are presented in a separate document, which the Czech Republic submits together with the Annual Report 2020. 1. Aim of pilot study 2. Duration of pilot study 3. Methodology and expected outcomes of pilot study (max 900 words)
4. Achievement of the original expected outcomes of pilot study and justification if this was not the case. 5. Incorporation of results from pilot study into regular sampling by the Member State. (max 900 words)

Text Box 3B: Population segments for collection of economic and social data for aquaculture

General comment: This box fulfills paragraph 6 points (a) and (b) of Chapter III of the Annex of the Delegated Decision (EU) 2019/910 on the multiannual Union programme; and Article 2, Article 4 paragraphs (1) and (5) and Article 5 paragraph (2) of the Implementing Decision (EU) 2016/1701 on the format of the WP. It is intended to specify data to be collected under Tables 6 and 7 of the delegated decision on the multiannual Union programme.

General comment: This box is applicable to the Annual Report. This box should provide information on the implementation of the socio-economic data collection for aquaculture of Member States.

The results of data collection according to Tables 6, 7, and 9 of the multiannual Union program in the Czech Republic of the years 2017 and 2018 were collected as a pilot study within the project "Data collection in aquaculture in the Czech Republic for 2017 and 2018". The results of this pilot collection of socioeconomic data are presented in a separate document, which the Czech Republic submits together with the Annual Report 2020.

1. Description of methodologies used to choose the different sources of data

The main sources for the economic and social data collection on the level of individual fishing companies were financial accounts and company registers. Addressed fishing companies submited their values of socio-economic parameters to the contractor of public procurement. The economic variables were collected from 2017 and 2018. The social variables were collected from 2018.

2. Description of methodologies used to choose the different types of data collection

The economic and social variables were collected by the questionnaire surveys. The questionnaires were prepared according to tables 6, 7, and 9 of Regulation (EU) 2016/1251 and Regulation (EU) 2017/1004 of the European Parliament and of the Council of 17 May 2017.

3. Description of methodologies used to choose sampling frame and allocation scheme

The economic and social data were collected from selected fishing companies. Fishing companies were divided into seven size groups according to the level of aquaculture production and used technologies. The first group included six companies with a production of over 1000 tons. The contractor collected data from all six companies. The second group also included six companies with production between 500 to 999 tonnes. The contractor collected data from five companies. The third group included 24 companies with a production between 100 to 499 tons. The contractor collected data from 10 of these companies. The fourth group represented 114 companies with a production between 5 to 99 tons. The contractor collected data from 20 of these companies. The fifth group represented 3 companies with special fish farming technologies with a production of over 5 tons. Unfortunately, the contractor did not collect any data from these companies. The sixth group included 208 enterprises with low aquaculture production under 5 tonnes. The contractor

collected data only from one company. The seventh group included 7 companies with special fish farming technologies under 5 tons. The contractor of the public contract supplied data from 1 company.

4. Description of methodologies used for estimation procedures

The results were generalized by the methodology of extrapolation.

5. Description of methodologies used on data quality

Data quality was ensured on the basis of professional and practical experience from practice in this area and basic statistical tools. Automatic checks for data formats and values have been incorporated into the data collection forms.

(max 1000 words)

6. Deviations from Work Plan methodology for selection of data source

List the deviations (if any) from the methodology used to select a data source compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly 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 an effect. If there are no deviations, then this section can be skipped.

CZE: No deviations.

7. Deviations from Work Plan methodology to choose the type of data collection

List the deviations (if any) from the methodologies to choose the type of data collection scheme compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly 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 an effect. If there are no deviations, then this section can be skipped.

CZE: No deviations.

8. Deviations from Work Plan methodology regarding sampling frame and allocation scheme

List the deviations (if any) from the methodologies used regarding sampling frame and allocation scheme compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly 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 an effect. If there are no deviations, then this section can be skipped.

CZE: The pilot study collected social data from 2018, while the work plan envisaged the collection of social data from 2017. The reason for the change was related to the availability and expected quality of social data. Due to harmonization with other EU member states and based on current knowledge, a further collection of social data will be carried out in the reference period of the year 2020.

Another deviation from the work plan is the planed sample rate, with 20% planned (estimate without further experience) and in the data for 2017 it was 8.96% and in the data for 2018 it was 9.17%. Therefore, a value close to 10% will be planned for future Work Plans.

9. Deviations from Work Plan methodology used for estimation procedures

List the deviations (if any) from the methodologies used for estimation procedures compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly 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 an effect. If there are no deviations, then this section can be skipped.

CZE: No deviations.

10. Quality assurance

10.1 Sound methodology

Briefly describe if the data collection follows methodologies, guidelines and best practices agreed in expert groups and whether methodologies are documented and are made publicly available.

CZE: Yes, data collection followed methodologies, guidelines, and best practices.

10.2. Accuracy and reliability

Response rate and Achieved sample rate are provided in Table 3B.

For additional information, briefly describe how raw data inputs, intermediate results, and outputs are regularly assessed and validated and how errors are identified, documented, and dealt with.

CZE:

Automatic checks for data formats and values have been incorporated into the data collection forms to help prevent potential filling errors. Data checks were performed on the basis of professional and practical experience in this area by a selected qualified supplier.

10.3. Accessibility and Clarity

Indicate with Yes or No

CZE: Yes

Are methodological documents publicly available?

CZE: Yes

Are data stored in databases?

CZE: No

Where can methodological and other documentation be found?

CZE: Public procurement web portal.

Provide the web link, if documentation is publicly available

CZE: https://zakazky.eagri.cz/contract_display_14559.html

(max 1000 words)

Pilot Study 4: Environmental data on aquaculture

General comment: This box fulfills paragraph 6 point (c) of Chapter III of the Annex of the Delegated Decision (EU) 2019/910 on the multiannual Union programme; and Article 2 and Article 4 paragraph (3) point (d) of the Implementing Decision (EU) 2016/1701 on the format of the WP. It is intended to specify data to be collected under Table 8 of the delegated decision on the multiannual Union programme.
General comment: This box is applicable to the Annual Report. This box is intended to provide information on the results obtained from the implementation of the pilot study (including deviations from planned and justifications as to why if this was not the case).
It does not figure in the CZE Work Plan 2020 as an activity. 1. Aim of pilot study 2. Duration of pilot study 3. Methodology and expected outcomes of pilot study (max 900 words)
4. Achievement of the original expected outcomes of pilot study and justification if this was not the case. 5. Incorporation of results from pilot study into regular sampling by the Member State. (max 900 words)

Text Box 3C: Population segments for collection of economic and social data for the processing industry

General comment: This box fulfils footnote 6 of paragraph 1.1(d) of Chapter III of the Annex of the Delegated Decision (EU) 2019/910 on the multiannual Union programme; and Article 2, Article 4 paragraphs (1) and (5) and Article 5 paragraph (2) of the Implementing Decision (EU) 2016/1701 on the format of the WP. It is intended to specify data to be collected under Table 10 of the delegated decision on the multiannual Union programme.

General comment: This box is applicable to the Annual Report. This box should provide information on the implementation of the socio-economic data collection for aquaculture of Member States.

It is not relevant for the Czech Republic.

1. Description of methodologies used to choose the different sources of data

2. Description of methodologies used to choose the different types of data collection

3. Description of methodologies used to choose sampling frame and allocation scheme

4. Description of methodologies used for estimation procedures

5. Description of methodologies used on data quality

(max 1000 words)

6. Deviations from Work Plan methodology for selection of data source

List the deviations (if any) from the methodology used to select data source compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly 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 effect. If there are no deviations, then this section can be skipped.

7. Deviations from Work Plan methodology to choose type of data collection

List the deviations (if any) from the methodologies to choose type of data collecton scheme compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly 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 effect. If there are no deviations, then this section can be skipped.

8. Deviations from Work Plan methodology regarding sampling frame and allocation scheme

List the deviations (if any) from the methodologies used regarding sampling frame and allocation scheme compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly 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 effect. If there are no deviations, then this section can be skipped.

9. Deviations from Work Plan methodology used for estimation procedures

List the deviations (if any) from the methodologies used for estimation procedures compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly 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 effect. If there are no deviations, then this section can be skipped.

10. Quality assurance

10.1 Sound methodology

Briefly describe if the data collection follow methodologies, guidelines and best practices agreed in expert groups and whether methodologies are documented and are made publicly available.

10.2. Accuracy and reliability

Response rate and Achieved sample rate are provided in Table 3C.

For additional information, briefly describe how raw data inputs, intermediate results and outputs are regularly assessed and validated and how errors are identified, documented and dealt with.

10.3. Accessibility and Clarity

Indicate with Yes or No:

Are methodological documents publicly available?

Are data stored in databases?

Where can methodological and other documentation be found?

Provide the web link, if documentation is publicly available.

(max 1000 words)

Text Box 4A: Sampling plan description for biological data

General comment: This box fulfills Article 3, Article 4 paragraph (4) and Article 8 of the Implementing Decision (EU) 2016/1701 on the format of the WP and forms the basis for the fulfilment of paragraph 2 point (a)(i) of Chapter III of the Annex of the Delegated Decision (EU) 2019/910 on the multiannual Union programme. This Table refers to data to be collected under Tables 1(A), 1(B) and 1(C) of the delegated decision on the multiannual Union programme.

General comment: This box is applicable to the Annual Report. This box should provide information on the deviations from the planned sampling of Member States.

It is not relevant for the Czech Republic.

1. Description of the sampling plan according to Article 5 paragraph (3) of the Implementing Decision (EU) 2016/1701 on the format of the WP.

(max 900 words per region)

Deviation from the sampling plan according to Article 5 paragraph (3) of the Implementing Decision (EU) 2016/1701:

2. Deviations from the Work Plan

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.

3. Action to avoid deviations

Member State shall 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 effect. If there are no deviations, then this section is not applicable.

(max. 1000 words per region OR fishing ground)

Text Box 5A: Quality assurance framework for biological data

General comment: This box is applicable to the Annual Report. This box fulfills Article 5 paragraph (2) point (a) of the Implementing Decision (EU) 2016/1701 on the format of the WP. This box is intended to specify data to be collected under Tables 1(A), 1(B) and 1(C) of the Annex of the Delegated Decision (EU) 2019/910 on the multiannual Union programme. Use this box to provide additional information on Table 5A of the Annual Report.

It is not relevant for the Czech Republic.

1. Evidence of data quality assurance

Within this section Member State shall provide information on the methodology used to assure the quality of the data collected, highlighting those aspects where changes have been made during the sampling year. Information shall be provided by each sampling scheme for which data was collected. In the case where the same quality assurance framework is applied to all data collection schemes, information can be provided at general level with the indication "all sampling schemes".

In those sections of Table 5A where "N" is indicated, Member States shall explain the main constrains and/ or the steps taken to fulfil this obligation. In the cases where a reference documents is requested, Member States shall provide a web link.

In cases where documents are not publicly available, due to institutions internal policy, confidentiality or other reasons, this shall be indicated by the Member State.

2. Sampling design

Explain main constraints and/ or steps taken, if 'N' (no) was indicated in Table 5A.

3. Sampling implementation

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5A.

4. Data capture

Explain main constraints and/ or steps taken, if 'N' (no) was indicated in Table 5A.

5. Data Storage

Explain main constraints and/ or steps taken, if 'N' (no) was indicated in Table 5A. Please provide a link if the documented revisions are available and not confidential.

6. Data processing

Explain main constraints and/ or steps taken, if 'N' (no) was indicated in Table 5A.

(max. 900 words per Region/RFMO/RFO/IO OR sampling scheme)

Text Box 5B: Quality assurance framework for socioeconomic data

General comment: This box fulfills Article 5 paragraph (2) point (b) of the Implementing Decision (EU) 2016/1701 on the format of the WP. This box is intended to specify data to be collected under Tables 5(A), 6 and 7 of the Annex of the Delegated Decision (EU) 2019/910 on the multiannual Union programme. Use this box to provide additional information on Table 5B of the Annual Report.

It is not relevant for the Czech Republic.

1. Evidence of data quality assurance

Within this section MS shall provide information on the methodology used to assure the quality of the data collected, highlighting those aspects where changes have been made during the sampling year. Information shall be provided by each sector (Fishing fleet, Aquaculture, Fish processing) for which data was collected and by each data collection scheme. In the case where the same quality assurance framework is applied to all sectors or/and all data collection schemes, information can be provided at general level with the indication "all sectors" or "all data collection schemes".

In those sections of Table 5B where "N" is indicated, Member States shall explain the main constrains and/ or the steps taken to fulfil this obligation. In the cases where a reference documents is requested, Member States shall provide a web link.

In cases where documents are not publicly available, due to institutions internal policy, confidentiality or other reasons, this shall be indicated by the Member State.

2. Section P3 Impartiality and objectiveness

Explain main constraints and/ or steps taken, if 'N' (no) was indicated in Table 5B

3. Section P4 Confidentiality

Explain main constraints and/ or steps taken, if 'N' (no) was indicated in Table 5B

4. Section P5 Sound methodology

Explain main constraints and/ or steps taken, if 'N' (no) was indicated in Table 5B

Information on this principle should be briefly explained in Text boxes 3A, 3B and 3C. Description of methodologies used on data quality.

5. Section P6 Appropriate statistical procedures

Explain main constraints and/ or steps taken, if 'N' (no) was indicated in Table 5B. Please provide a link if the documented revisions are available and not confidential.

6. Section P7 Non-excessive burden on respondents

Explain main constraints and/ or steps taken, if 'N' (no) was indicated in Table 5B

7. Section P8 Cost effectiveness

Explain main constraints and/ or steps taken, if 'N' (no) was indicated in Table 5B

8. Section P9 Relevance

Explain main constraints and/ or steps taken, if 'N' (no) was indicated in Table 5B

9. Section P10 Accuracy and reliability

Explain main constraints and/ or steps taken, if 'N' (no) was indicated in Table 5B. Information on this principle should be briefly explained in Text boxes 3A, 3B and 3C. Description of methodologies used on data quality.

10. Section P11 Timeliness and punctuality

Explain main constraints and/ or steps taken, if 'N' (no) was indicated in Table 5B

11. Section P12 coherence and comparability

Explain main constraints and/ or steps taken, if 'N' (no) was indicated in Table 5B

12. Section P13 Accessibility and Clarity

Explain main constraints and/ or steps taken, if 'N' (no) was indicated in Table 5B. Information and links to documentation on this principle should be briefly explained in Text boxes 3A, 3B and 3C. Description of methodologies used on data quality.

(max. 900 words per Region/RFMO/RFO/IO/NSB OR sector)