



Food and Agriculture Organization  
of the United Nations

**UN Committee of Experts on Food Security, Agricultural and Rural  
Statistics (UN-CEAG) – 2024**

Task team on

**Data quality standards and assessment framework for key food  
and agricultural data**

**National Quality Assurance Framework (NQAF) for Agriculture Statistics**

**Checklist for self-Assessment  
Crops & Livestock Statistics**

# Introduction

Sound food and agricultural statistics are essential to support the national and international development agenda, particularly regarding the achievement of the Sustainable Development Goals (SDGs). In this regard, the existence of data quality standards and National Quality Assessment Frameworks (NQAFs) for food and agricultural statistics is critical for ensuring that food and agricultural statistics are “fit for purpose”.

In principle, the existence of data quality standards paired with an assessment framework guarantees consistency of statistical concepts, methodologies, as well as standards and procedures of the overall statistical program conducted by the national statistical authorities. Without a coherent system for data quality assessment, the national statistical authorities may risk losing control of the many data and statistical production processes including those related to food and agricultural statistics. Unfortunately, still today, many countries have not established (put in place) such quality frameworks; as noted in recent survey carried out by the UN SD in December 2017, only 60% of the 127 responding National Statistical Agencies declared to have a NQAF for statistics; the situation at the regional level was quite heterogeneous, ranging from 33% of Africa to the 86% of Europe<sup>1</sup>. The reality for agriculture statistics is somehow worse since even in countries having a general NQAF, it is only partially or not yet implemented, particularly when they are produced and disseminated by different national agencies (e.g. by some line Ministries).

One of the difficulties in assuring the quality of food and agriculture statistics is the variety of sub-domains that fall under this umbrella: crops and livestock; inputs (fertilizer/pesticides; machinery; employment); prices (producers/consumers); food security/access, etc. As a consequence, although the existence of data quality standards and corresponding assessment frameworks guarantees the consistency of statistical concepts, methodologies, as well as standards and procedures of the overall statistical program, an assessment focused on food and agriculture statistics requires tailored tools to be more effective and capable of identifying strengths and weaknesses. This need is identified well in the IMF Data Quality Assurance Framework (DQAF) where the generic DQAF serves as an umbrella to 7 dataset-specific frameworks in the domain of economic statistics (National accounts statistics; Consumer/producer price index; BOP/IIP, External Debt, Financial Institution and Government Finance statistics)<sup>2</sup>.

The literature on data quality is quite vast, the most popular statistics QAF have many common features and typically show a “cascading” structure. Both, the UN NQAF (2019 edition) and the IMF DQAF (2012) agree on the fact that a QAF should look to the quality of the statistical institution, the quality of the statistical processes and the quality of the statistical product; in addition, the UN NQAF suggests the need to look at the overall national statistical system within which the different agencies producing and disseminating the national statistics operate.

The UN 2019 NQAF and the IMF DQAF represent the main references considered in drafting the NQAF for Agriculture Statistics that encompasses 4 levels of analysis:

- Level 1: Managing the national statistical system (NSS)
- Level 2: Managing the institutional environment
- Level 3: Managing statistical processes
- Level 4: Managing statistical outputs

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<sup>1</sup> The survey was carried out as part of the activities of the Expert Group on National Quality Assurance Frameworks that in contributed to preparation of the 2019 UN NQAF Manual.

<https://unstats.un.org/unsd/methodology/dataquality/un-nqaf-manual/>

<sup>2</sup> <https://dsbb.imf.org/dqrs/DQAF>

Level 4 identifies the dimensions to consider in assessing the quality of the final food and agriculture statistical outputs disseminated by the national agency/agencies producing them. In line with the most popular approaches, the following dimensions are considered:

- 4.1 Relevance
- 4.2: Accuracy and reliability
- 4.3: Timeliness and punctuality
- 4.4: Accessibility and clarity
- 4.5: Coherence and comparability

To facilitate the assessment of the compliance of national agriculture statistics systems to such a general framework, a set of self-assessment checklists is being developed. They are expected to share almost the same structure, but with each dimension tailored to the specific sub-domain. Herein, we introduce the (draft) checklist for assessing the compliance of Crops and Livestock statistics; articulated in four dimensions depending on the fact that the data on crops and livestock statistics may be collected in the same survey or through various survey instruments.

The checklist is specifically tailored to crops and livestock statistics and an investigation of the key characteristics of the statistical process (level 3) and the statistical outputs (level 4). Given that in most of the developing countries and part of developed countries, crop and livestock statistics are the outcome of a sample survey (or a set of sample surveys), the section of the check-list referring to the statistical process (level 3) will uniquely consider a sample survey. It will investigate the key phases of the survey process, using the Generic Statistical Business Process Model (GSBPM, v. 5.1) as a general reference<sup>3</sup>. As far as compliance to sound methodologies is concerned, the current checklist refers also to manuals prepared by FAO, in particular in the framework of the Agricultural Integrated Survey (AGRISurvey) Programme<sup>4</sup>.

The checklist is a self-assessment tool that should be compiled by the officer(s) in charge of the crop and livestock statistics in a system-wide collaborative effort, as relevant. The questions are organized in sections according to “if-then” scenarios; there are both informative questions and assessment questions. The objective of the checklist is to perform an assessment by joining the mechanisms underlying the 2019 UN NQAF Manual and the IMF’s DQAF. In particular, most of the assessment-type questions in the checklist allow scoring using just 4 possible answers:

- full implementation => score=1
- Partial implementation => score=0.5
- Not implemented => score=0
- NA => Not Applicable

Then, the elementary scores should be aggregated by level of the UN NQAF. The scores for the process (level 3) can be further be disaggregated by its main phases (some of the elements of the GSBPM) while those related to the statistical outputs (level 4) can be disaggregated by quality dimensions. This disaggregation permits to compile a summary report in line with the Reports on the Observance of Standards and Codes (ROSC) prepared by the IMF DQAF that adopts a four-point rating scale:

- “O” = Practice Observed: the current practices generally meet internationally accepted best practices/guidelines without any significant deficiencies.
- “LO” = Practice Largely Observed: some departures from internationally accepted best practices/guidelines, but these are not seen as insufficient;
- “LNO” = Practice Largely Not Observed: significant departures from internationally accepted best practices/guidelines which will need to take improvement actions;

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<sup>3</sup> <https://statswiki.unece.org/display/GSBPM/GSBPM+v5.1>

<sup>4</sup> <http://www.fao.org/in-action/agrisurvey/en/>

“NO” = Practice Not Observed: internationally accepted best practices/guidelines are not met.  
Urgent improvement actions need to be undertaken;  
NA = Not Applicable: when some items/practices do not apply to a country’s circumstances.

Note that the use of “LO” and “LNO” is intended to allow the assessor to make a subjective judgement regarding the degree or extent to which the practice is “partially” observed. Adopting a similar approach has value as many NSOs (and other national authorities) will be familiar with the ROSC assessment where a summary assessment by agency and dataset based on a four-part scale was followed by a separate section offering staff recommendations, where relevant.



## Part I – National [CROPS] and [LIVESTOCK] statistics

### Section I.1 Section Assuring Adequacy of resources

*UN NQAF, Level B- Managing the institutional environment, Principle 9- Assuring adequacy of resources*

*IMF DQAF. 0.2 Prerequisites for quality – Resources (0.2.1)*

1.	<p><b>In your Agency, are financial resources sufficient to implement the statistical work and development program(s) needed for producing [CROPS] and [LIVESTOCK] statistics?</b></p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes, fully</p> <p>2. <input type="checkbox"/> Yes, partially</p> <p>3. <input type="checkbox"/> No</p>
2.	<p><b>In your Agency, are human resources sufficient to implement the statistical work and development program(s) needed for producing [CROPS] and [LIVESTOCK] statistics?</b></p> <p>[single choice]</p> <p>4. <input type="checkbox"/> Yes, fully</p> <p>5. <input type="checkbox"/> Yes, partially</p> <p>6. <input type="checkbox"/> No</p>
3.	<p><b>In your Agency, are the computing IT and the other technological resources sufficient to implement the statistical work and development program(s) needed for producing [CROPS] and [LIVESTOCK] statistics?</b></p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes, fully</p> <p>2. <input type="checkbox"/> Yes, partially</p> <p>3. <input type="checkbox"/> No</p>

## Part II – National [CROPS] statistics

The following part of the self-assessment investigates uniquely [CROPS] statistics

### Section II.1 – Introduction

4.	<p><b>Do you have a statistical process (sample survey, administrative data, mixed sources, etc.) that ensures the production and dissemination of [CROPS] statistics?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, on a regular basis</li><li><input type="checkbox"/> Yes, but not on a regular basis</li><li><input type="checkbox"/> No, please explain</li></ol>
5.	<p><b>If previous question in [1,2]</b></p> <p><b>How is the statistical process articulated?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Single <i>ad hoc</i> sample survey</li><li><input type="checkbox"/> Data on [CROPS] collected in a general-purpose agriculture survey</li><li><input type="checkbox"/> Set of independent agriculture sample surveys</li><li><input type="checkbox"/> Administrative register/s</li><li><input type="checkbox"/> Combination of survey and administrative register</li><li><input type="checkbox"/> Earth observation data</li><li><input type="checkbox"/> Combination of survey and earth observation data</li><li><input type="checkbox"/> Combination of survey, administrative and earth observation data</li><li><input type="checkbox"/> Other, please specify: [free text]</li></ol>

## Section II.2 – The statistical Process (survey)

*UN NQAF Level C - Managing statistical processes, Principle 10 - Assuring methodological soundness*

*UN NQAF Level C - Managing statistical processes, Principle 12 - Assuring appropriate statistical procedures*

*UN NQAF Level C - Managing statistical processes, Principle 13 - Managing the respondent burden*

*IMF DQAF 2. - Methodological Soundness*

*IMF DQAF 3.3 Statistical Techniques*

**To be filled IF the statistical process needed for producing [CROPS]' statistics involves one or more surveys (see previous question)**

6.	<p><b>Are you aware of the “Handbook on the Agricultural Integrated Survey – AGRIS” prepared by the Global Strategy to improve Agricultural and Rural Statistics (published in 2017)?</b> <a href="http://www.fao.org/3/ca6412en/ca6412en.pdf">http://www.fao.org/3/ca6412en/ca6412en.pdf</a> [single choice]</p> <ol style="list-style-type: none"><li>1. <input type="checkbox"/> Yes and we are already <u>implementing</u> it (fully or in part)</li><li>2. <input type="checkbox"/> Yes and we are <u>planning</u> to implement it (fully or in part)</li><li>3. <input type="checkbox"/> Yes we know of its existence but we are NOT using or planning to use it</li><li>4. <input type="checkbox"/> No</li></ol>
7.	<p><b>Please indicate the type of survey(s)</b> [single choice]</p> <ol style="list-style-type: none"><li>1. <input type="checkbox"/> Single annual survey (with only one wave) that collects [CROPS]' production data for the last agricultural year</li><li>2. <input type="checkbox"/> Survey with different waves that collects [CROPS]' production data for the different campaigns during the single year</li><li>3. <input type="checkbox"/> Other, please explain.</li></ol>



## II.2.1 – The main variables

### GSBPM 2.2 – Design Variable Description

8.	<b>Are the survey statistical units clearly defined?</b> [single choice] 1. <input type="checkbox"/> Yes, fully 2. <input type="checkbox"/> Yes, partially 3. <input type="checkbox"/> No
9.	<b>IF already implementing or planning to implement the AGRIS</b> <b>Is the definition of statistical units coherent with the AGRIS recommendations?</b> <i>(Section 4.1.1.4. of the AGRIS Manual)</i> [single choice] 1. <input type="checkbox"/> Yes, fully 2. <input type="checkbox"/> Yes, partially 3. <input type="checkbox"/> No, please explain
10.	<b>Which of the following sections are included in the survey questionnaire?</b> <i>(please note that they are part of – but not exclusive to - the AGRIS core module)</i> [multiple choice] 1. <input type="checkbox"/> General information on the holding 2. <input type="checkbox"/> Information on holders and managers 3. <input type="checkbox"/> Data on crop production during the reference period 4. <input type="checkbox"/> General information on the household of the holders and co-holders 5. <input type="checkbox"/> general information on household dwelling and assets
11.	<b>Please indicate the type of [CROPS] data being collected?</b> [single choice] 1. <input type="checkbox"/> [CROPS] production during the reference period for <u>all</u> harvests 2. <input type="checkbox"/> [CROPS] production during the reference period <u>only</u> for the main harvest 3. <input type="checkbox"/> Other please explain
12.	<b>Which of the following variables are collected by type of crop?</b> [multiple choice] 1. <input type="checkbox"/> Area planted 2. <input type="checkbox"/> Area harvested 3. <input type="checkbox"/> Production (quantity harvested) 4. <input type="checkbox"/> Value of production 5. <input type="checkbox"/> Total agricultural area by observation unit (farm or household) 6. <input type="checkbox"/> [CROPS] intention for the next season

13.	<p><b>Is the survey on [CROPS] collecting data (volume of crop products sold and crop revenues) that support compiling SDG indicators 2.3.1 and 2.3.2?</b>  <i>(SDG 2.3.1: Volume of production per labour unit by classes of farming/pastoral/forestry enterprise size; Indicator 2.3.2: Average income of small-scale food producers, by sex and indigenous status)</i>  <a href="https://unstats.un.org/sdgs/metadata?Text=&amp;Goal=2&amp;Target=2.3">https://unstats.un.org/sdgs/metadata?Text=&amp;Goal=2&amp;Target=2.3</a>  [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not applicable (e.g. the needed data are collected in a different survey, etc.)</li> </ol>
14.	<p><b>Is the survey on [CROPS] collecting the data needed to compile the SDG indicator 2.4.1?</b>  <i>(Indicator 2.4.1: Proportion of agricultural area under productive and sustainable agriculture)</i>  <a href="https://unstats.un.org/sdgs/metadata?Text=&amp;Goal=2&amp;Target=2.4">https://unstats.un.org/sdgs/metadata?Text=&amp;Goal=2&amp;Target=2.4</a>  [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, for all the domains (sub-indicators)</li> <li>2. <input type="checkbox"/> Yes, for most of the domains (sub-indicators)</li> <li>3. <input type="checkbox"/> Yes, but for a limited number of domains (sub-indicators)</li> <li>4. <input type="checkbox"/> No</li> <li>5. <input type="checkbox"/> Not applicable (e.g. the needed data are collected in a different survey, etc.)</li> </ol>
15.	<p><b>Is the survey on [CROPS] collecting the data needed to compile the SDG indicators 5.a.1?</b>  <i>(Indicator 5.a.1: (a) Proportion of total agricultural population with ownership or secure rights over agricultural land, by sex; and (b) share of women among owners or rights-bearers of agricultural land, by type of tenure)</i>  <a href="https://unstats.un.org/sdgs/metadata?Text=&amp;Goal=5&amp;Target=5.a">https://unstats.un.org/sdgs/metadata?Text=&amp;Goal=5&amp;Target=5.a</a>  [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, completely</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not applicable (e.g. the needed data are collected in a different survey, etc.)</li> </ol>

## II.2.2 – The sample and the sampling frame

GSBPM 2.4 Design Frame and Sample

GSBPM 4.1 create Frame and Select Sample

If [CROPS] statistics are the output of a single sample survey selected from a single frame

16.	<p>Are [CROPS] statistics obtained as the output of a stand-alone sample survey with a sample selected from a single frame?</p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes [GO to question 17]</p> <p>2. <input type="checkbox"/> No [GO to question 28]</p>
17.	<p>Is [CROPS] survey based on a sample?</p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes</p> <p>2. <input type="checkbox"/> No</p>
18.	<p><b>IF “Yes” to previous question</b></p> <p>Is probabilistic sampling adopted?</p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes</p> <p>2. <input type="checkbox"/> No</p>
19.	<p><b>IF “Yes” to previous question</b></p> <p>Is the sample designed in accordance with well-known standards? <i>(typically sample on household adopt a stratified two stage sampling design while a sample of agriculture holdings is selected using a stratified one-stage sampling design; see e.g. Chapter 5 in the AGRIS Manual)?</i></p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes, fully</p> <p>2. <input type="checkbox"/> Yes, partially</p> <p>3. <input type="checkbox"/> No</p>
20.	<p>Is the sample designed to give <u>national</u> estimates of [CROPS] statistics with a fixed maximum sampling error?</p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes, for the most important national [CROPS] product</p> <p>2. <input type="checkbox"/> Yes, but only for few important national [CROPS] product</p> <p>3. <input type="checkbox"/> No</p>
21.	<p>Is the sample designed to provide <u>sub-national</u> (district/province level) estimates of [CROPS] statistics with a fixed maximum sampling error?</p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes, for the most important [CROPS] product</p> <p>2. <input type="checkbox"/> Yes, but only for few important [CROPS] product, depending on the region</p> <p>3. <input type="checkbox"/> No</p>
22.	<p>Is the sampling frame currently used to design and extract the sample being maintained and is it assessed whether is it adequate for the survey objectives?</p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes on a regular basis</p> <p>2. <input type="checkbox"/> Yes, but not regularly</p> <p>3. <input type="checkbox"/> No</p>

23.	<p><b>In developing and maintaining a sampling frame, are you following the suggestions of the FAO Handbook on master sampling frame?</b> <a href="http://www.fao.org/3/ca6398en/ca6398en.pdf">http://www.fao.org/3/ca6398en/ca6398en.pdf</a></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, completely</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No, please explain</li> </ol>
24.	<p><b>Which are the main problems in the sampling frame?</b></p> <p>[multiple choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Under-coverage (not all the units are included in the frame)</li> <li>2. <input type="checkbox"/> Over-coverage (part of the units included in the frame should not be there)</li> <li>3. <input type="checkbox"/> Outdated information</li> <li>4. <input type="checkbox"/> Missing data</li> <li>5. <input type="checkbox"/> Other, please explain</li> </ol>
25.	<p><b>Have you assessed the extent of <u>under-coverage</u> in the sampling frame?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> No, as it can be considered negligible</li> <li>2. <input type="checkbox"/> No, it is NOT negligible but we were not able to measure its extent</li> <li>3. <input type="checkbox"/> Yes, and it is negligible (below 10%)</li> <li>4. <input type="checkbox"/> Yes, and it is NOT negligible. Please specify: ...</li> </ol>
26.	<p><b>Have you assessed the extent of <u>over-coverage</u> in the sampling frame?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> No, as it can be considered negligible</li> <li>2. <input type="checkbox"/> No, it is NOT negligible but we were not able to measure its extent</li> <li>3. <input type="checkbox"/> Yes, and it is negligible (below 10%)</li> <li>4. <input type="checkbox"/> Yes, and it is NOT negligible</li> </ol>
27.	<p><b>Does the sampling frame include outdated information?</b></p> <p>[multiple choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, information needed for sampling design (e.g. stratification variables, etc.)</li> <li>2. <input type="checkbox"/> Yes, information needed for contacting units</li> <li>3. <input type="checkbox"/> Yes, information not needed for sampling purposes or for contacting units</li> <li>4. <input type="checkbox"/> Other, please explain: ...</li> </ol>

**If [CROPS] statistics are the output of a set of samples selected from different frames**

28.	<p><b>Which are the main reasons for having different sampling frames?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Each frame refers to a different type of sample units (e.g. Agriculture households in one frame and commercial farms in the other)</li> <li>2. <input type="checkbox"/> The frames refer to the same sampling units but cover different sub-sets of the target population</li> <li>3. <input type="checkbox"/> The frames refer to the same sampling units but come from different sources and cannot be integrated</li> <li>4. <input type="checkbox"/> Other, please explain:</li> </ol>
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29.	<p><b>Are the different samples (each selected from one of the available frames) selected using a probabilistic mechanism?</b>  [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all the samples</li> <li>2. <input type="checkbox"/> Yes, only some of the samples</li> <li>3. <input type="checkbox"/> No</li> </ol>
30.	<p><b>IF “Yes” to previous question</b>  <b>Are the samples designed in accordance with the well-known standards?</b>  <i>(typically sample on household adopt a stratified two stage sampling design while a sample of agriculture holdings is selected using a stratified one-stage sampling design; see e.g. Chapter 5 in the AGRIS Manual)?</i>  [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> </ol>
31.	<p><b>Are the various samples designed to provide <u>national</u> estimates of [CROPS] statistics with a fixed maximum sampling error?</b>  [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, for the most important national [CROPS] product</li> <li>2. <input type="checkbox"/> Yes, but only for few important national [CROPS] product</li> <li>3. <input type="checkbox"/> No</li> </ol>
32.	<p><b>Are the various samples designed to provide <u>sub-national</u> estimates of [CROPS] statistics with a fixed maximum sampling error?</b>  [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, for the most important [CROPS] product for each region</li> <li>2. <input type="checkbox"/> Yes, but only for the few important [CROPS] product at regional level</li> <li>3. <input type="checkbox"/> No</li> </ol>
33.	<p><b>Is there the risk of overlapping between the distinct frames used to select the various samples?</b>  [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes</li> <li>2. <input type="checkbox"/> No</li> <li>3. <input type="checkbox"/> Don't Know</li> </ol>
34.	<p><b>IF “Yes” to previous question</b>  <b>Have you assessed the potential overlapping between frames?</b>  [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, by carrying out a tailored study</li> <li>2. <input type="checkbox"/> Yes, but only approximately</li> <li>3. <input type="checkbox"/> No</li> </ol>
35.	<p><b>Which are the main problems in the sampling frames?</b>  [multiple choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Undercoverage (not all the units are included in the frame)</li> <li>2. <input type="checkbox"/> Overcoverage (part of the units included in the frame should not be there)</li> <li>3. <input type="checkbox"/> Outdated information</li> <li>4. <input type="checkbox"/> Missing data</li> <li>5. <input type="checkbox"/> Other, please explain</li> </ol>

**For ALL**

36. **Is the work done on sampling frame(s) and the used sampling design(s) documented?**

[single choice]

1.  Yes, full documentation is available
2.  Yes, partial documentation is available
3.  No

## II.2.3 Data collection

GSBPM 2.1 Design Collection

GSBPM 4. Collect

37.	<b>Is data collection designed to implement Computer Assisted Interview?</b> [single choice] 1. <input type="checkbox"/> Yes, for all the units 2. <input type="checkbox"/> Yes, but not for all the units 3. <input type="checkbox"/> No
38.	<b>Is the survey questionnaire designed to facilitate the data collection and reduce the response burden on respondents?</b> <i>(e.g. a well-designed skip pattern, well-written sentences easy to be understood, removal of unnecessary questions whose information does not contribute to dissemination, etc.)</i> [single choice] 1. <input type="checkbox"/> Yes, fully 2. <input type="checkbox"/> Yes, partially 3. <input type="checkbox"/> No
39.	<b>Is data collection carried out by interviewers?</b> [single choice] 1. <input type="checkbox"/> Yes, for all the units 2. <input type="checkbox"/> Yes, but only of a subset of units 3. <input type="checkbox"/> No
40.	<b>IF “Yes” to the previous question</b> <b>Is on-field data collection organized to allow efficient work for interviewers and avoid excessive workload?</b> [single choice] 1. <input type="checkbox"/> Yes, fully 2. <input type="checkbox"/> Yes, partially 3. <input type="checkbox"/> No
41.	<b>Do you have an automated monitoring system for data collection?</b> [single choice] 1. <input type="checkbox"/> Yes, it permits to monitor the data collection on a regular basis (daily or weekly) 2. <input type="checkbox"/> Yes, but it does not permit to monitor the data collection on a regular basis 3. <input type="checkbox"/> No
42.	<b>Did you test the data collection in advance?</b> [single choice] 1. <input type="checkbox"/> Yes, completely (questionnaire, organization of the on-field work, interviewing phase, ...) 2. <input type="checkbox"/> Yes, partially (only some aspects). Please explain: 3. <input type="checkbox"/> No

## II.2.4 Data treatment

GSBPM 5.3 Review and validate

GSBPM 5.3 Edit and impute

43.	<b>Do you check collected data for errors (missing values, outliers, incoherent values, etc.)?</b> [single choice] 1. <input type="checkbox"/> Yes, for almost all the variables in the questionnaire 2. <input type="checkbox"/> Yes, only for the most important variables 3. <input type="checkbox"/> No
44.	<b>IF “yes” to previous question</b> <b>How do you detect errors in [CROPS] data?</b> [single choice] 1. <input type="checkbox"/> In a fully automatic way and part of the checks are already in the electronic questionnaire 2. <input type="checkbox"/> In a fully automatic way but after the data collection 3. <input type="checkbox"/> partly in automatic way and partly through manual checks (clerical revision) 4. <input type="checkbox"/> only through manual checks (clerical revision) 5. <input type="checkbox"/> Other, please explain
45.	<b>Do you impute missing values?</b> [single choice] 1. <input type="checkbox"/> Yes, for almost all the variables in the questionnaire 2. <input type="checkbox"/> Yes, only for the most important variables 3. <input type="checkbox"/> No 4. <input type="checkbox"/> Not applicable (missing values are not present)
46.	<b>IF “yes” to previous question</b> <b>How do you impute missing values?</b> [single choice] 1. <input type="checkbox"/> In an automatic way by applying well-known statistical methods (e.g. nearest neighbour donor imputation, regression imputation, etc.) 2. <input type="checkbox"/> A mixed approach involving both imputation using statistical methods and manual imputation carried out by clerks being subject matter experts 3. <input type="checkbox"/> Only manual imputation carried out by clerks being subject matter experts
47.	<b>Are the data treatment procedures (detection of errors, outlier and imputation) documented?</b> [single choice] 1. <input type="checkbox"/> Yes, fully 2. <input type="checkbox"/> Yes, partially 3. <input type="checkbox"/> No



## II.2.5 Weighting

### GSBPM 5.6 Calculate sampling weights

48.	<p><b>Do you modify the initial sample weights for compensating for unit nonresponse or for aligning survey estimates with known population totals (weights calibration or post-stratification)?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li>1. <input type="checkbox"/> Yes</li><li>2. <input type="checkbox"/> No</li><li>3. <input type="checkbox"/> Not applicable (sample survey non adopted or nonprobability sampling is considered)</li></ol>
49.	<p><b>IF “Yes” to previous question</b></p> <p><b>Is the re-weighting procedure documented?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li>1. <input type="checkbox"/> Yes, fully</li><li>2. <input type="checkbox"/> Yes, partially</li><li>3. <input type="checkbox"/> No</li></ol>

## II.2.6 Data processing and data backup

*GSBPM 5.7 Calculate aggregates*

*GSBPM 5.7 Finalize data files*

50.	<b>Do you check the final data-processing step (aimed at calculating the final [CROPS] estimates) for potential errors?</b> [single choice] 1. <input type="checkbox"/> Yes, the software codes have been extensively tested and checked in advance 2. <input type="checkbox"/> yes, only if the software code returns an error 3. <input type="checkbox"/> No
51.	<b>Are the final estimates compared with other estimates before their disseminations?</b> [single choice] 1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No 3. <input type="checkbox"/> Not applicable
52.	<b>IF "Yes" to previous question</b> <b>In case of discrepancies to do you modify the estimates so to ensure coherence with other estimates</b> [single choice] 1. <input type="checkbox"/> Yes, all the estimates 2. <input type="checkbox"/> Yes, some of them 3. <input type="checkbox"/> No
53.	<b>Have you implemented an IT procedure for doing backup of the data?</b> [single choice] 1. <input type="checkbox"/> Yes, regularly at the end of the main phase of the statistical process 2. <input type="checkbox"/> Yes, but not on a regular basis 3. <input type="checkbox"/> No

## II.3 Managing [CROPS] Statistical Outputs

### II.3.1 Relevance

*UN NQAF Level D – Managing statistical outputs, Principle 14 Assuring relevance*

*IMF DQAF. 0.3 Prerequisites for quality – Relevance (0.3.1)*

54.	<p><b>Please indicate the coverage in terms of [CROPS] products?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> The survey covers <u>ALL the products</u> of agriculture relevant (Division 01 in CPC 2.1) at national level (say covering at least the 90% of the whole national [CROPS] production)</li><li><input type="checkbox"/> The survey covers <u>only the main products</u> of agriculture relevant (Division 01 in CPC 2.1) at national level (say covering from the 60% to 90% of the whole national [CROPS] production)</li><li><input type="checkbox"/> The survey covers only a small subset of products of agriculture relevant (Division 01 in CPC 2.1) at national level</li><li><input type="checkbox"/> Other please explain</li></ol>
55.	<p><b>Does the survey include horticulture product?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, the main horticulture products</li><li><input type="checkbox"/> Yes, few horticulture products</li><li><input type="checkbox"/> No</li><li><input type="checkbox"/> Not applicable (horticulture is not relevant or data collected in another survey)</li></ol>
56.	<p><b>Do the currently disseminated [CROPS] statistics satisfy the main needs of both <u>National and international users</u>?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, fully</li><li><input type="checkbox"/> Yes, partially</li><li><input type="checkbox"/> No</li><li><input type="checkbox"/> Don't know</li></ol>
57.	<p><b>Do the currently disseminated [CROPS] statistics satisfy the main needs of both <u>National and international users</u> in terms of disaggregation (territorial, by type of farms, etc.)?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, fully</li><li><input type="checkbox"/> Yes, partially</li><li><input type="checkbox"/> No</li><li><input type="checkbox"/> Don't know</li></ol>
58.	<p><b>Do you have a mechanism (survey, committee) to monitor user's satisfaction with [CROPS] statistics and understanding also their unmet needs?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, in a regular way</li><li><input type="checkbox"/> Yes, but not regularly</li><li><input type="checkbox"/> No</li></ol>

59.

**IF "Yes" to previous**

**Are the unmet needs prioritized and taken into account to improve the statistical production process of [CROPS] statistics and the corresponding quality?**

[single choice]

1.  Yes, in a regular way
2.  Yes, but not regularly
3.  No

## II.3.2 Accuracy and Reliability

UN NQAF Level D – Managing statistical outputs, Principle 15 Assuring Accuracy and Reliability

IMF DQAF 3. Accuracy and reliability, 4.3 Revision Policy and practice

60.	<p><b>Is the survey designed to cover all the target populations underlying [CROPS] statistics? (for instance, in some countries the agriculture production requires the collection data from commercial farms and the households in the agriculture sector which consist of two distinct target populations)</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all the target populations are considered</li> <li>2. <input type="checkbox"/> No, the survey considers only the subset of the population contributing to a largest fraction of the overall agriculture production</li> <li>3. <input type="checkbox"/> No, the survey considers only the subset of the population easier to be observed</li> <li>4. <input type="checkbox"/> other, please explain</li> </ol>
61.	<p><b>Do you assess the accuracy of [CROPS] statistics in terms of sampling error (i.e. estimation of the sampling error, confidence intervals, etc.)?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, in a regular way</li> <li>2. <input type="checkbox"/> Yes, occasionally</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not applicable, we do not use a sample survey to collect data on [CROPS]</li> </ol>
62.	<p><b>Do you have tools to assess potential impact of non-sampling errors on the accuracy of [CROPS] statistics?</b></p> <p><i>(nonsampling errors are the errors that do not depend from the sampling and may arise in any phase of a statistical production process; usually they include nonresponse, measurement errors, errors in data treatment, etc.)</i></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, we regularly monitor them by calculating a set of quality indicators (unit nonresponse, item nonresponse, etc.)</li> <li>2. <input type="checkbox"/> Yes, but not on a regular basis</li> <li>3. <input type="checkbox"/> No</li> </ol>
63.	<p><b>Do you revise already disseminated [CROPS] statistics?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, on a regular basis according to a well-defined revision policy (usually include at least 2 revisions of initial disseminated statistics)</li> <li>2. <input type="checkbox"/> Yes, we disseminate provisional statistics and then replace them with the corresponding final estimates</li> <li>3. <input type="checkbox"/> Yes, we revise the statistics only when errors in the disseminated figures are detected (there is not a revision policy or dissemination of provisional and final statistics)</li> <li>4. <input type="checkbox"/> No</li> </ol>
64.	<p><b>IF “Yes ” to the previous question</b></p> <p><b>Do you calculate indicators related to the direction and size of revisions of [CROPS] statistics?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, on a regular basis</li> <li>2. <input type="checkbox"/> Yes, not regularly</li> <li>3. <input type="checkbox"/> No</li> </ol>

## II.3.3 Timeliness and Punctuality

UN NQAF Level D – Managing statistical outputs, Principle 16 Assuring Timeliness and Punctuality  
IMF DQAF 4. Serviceability, 4.1 Periodicity and Timeliness

65.	<p><b>Do you disseminate provisional estimates?</b> [single choice]</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Yes</li> <li><input type="checkbox"/> No</li> </ol>
66.	<p><b>IF provisional estimates are disseminated</b> <b>Please indicate their timeliness in months</b> (<i>the time-lag from the end of the reference period to the dissemination date</i>)</p> <p>   _ _  months for <u>provisional</u> estimates</p>
67.	<p><b>IF provisional estimates are disseminated</b> <b>Are provisional estimates disseminated to compensate for non-timely final [CROPS] statistics?</b> [single choice]</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Yes, this is the main reason</li> <li><input type="checkbox"/> Yes, this is one of the reasons</li> <li><input type="checkbox"/> No</li> </ol>
68.	<p><b>What is the timeliness of [CROPS] statistics?</b> (<i>please indicate the time-lag from the end of the reference period to the dissemination date</i>)</p> <p>   _ _  months for <u>final</u> estimates</p>
69.	<p><b>In case of (almost) regular production of [CROPS] statistics over the last 5 years. What is the observed trend of timeliness?</b> [single choice]</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Improving (i.e. Reduction of time-lag between reference date and dissemination date)</li> <li><input type="checkbox"/> Slightly improving</li> <li><input type="checkbox"/> Almost stable</li> <li><input type="checkbox"/> Slightly deteriorating</li> <li><input type="checkbox"/> Deteriorating</li> <li><input type="checkbox"/> Not applicable (no regular production of [CROPS] statistics over the last 5 years)</li> </ol>
70.	<p><b>IF previous questions = [3,4,5]</b> <b>Are you planning to revise the process to improve the timeliness of [CROPS] statistics?</b> [single choice]</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Yes, it's the main priority</li> <li><input type="checkbox"/> Yes, but it is not the main priority</li> <li><input type="checkbox"/> No</li> </ol>
71.	<p><b>Does a published schedule announce the [CROPS] statistics publication dates in advance of their release?</b> [single choice]</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Yes</li> <li><input type="checkbox"/> No</li> </ol>

72.	<p><b>Have you experienced problems in punctuality of dissemination of [CROPS] statistics? (i.e. statistics disseminated later than the scheduled date)</b></p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes, often</p> <p>2. <input type="checkbox"/> Yes, sometimes</p> <p>3. <input type="checkbox"/> No</p>
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### II.3.4 Accessibility and Clarity

UN NQAF Level D – Managing statistical outputs, Principle 17 Assuring Accessibility and Clarity  
IMF DQAF 5 Accessibility

73.	<b>Are the disseminated [CROPS] statistics made freely available for all users?</b> [single choice] 1. <input type="checkbox"/> Yes, fully 2. <input type="checkbox"/> Yes, partially 3. <input type="checkbox"/> No
74.	<b>Are the disseminated [CROPS] statistics made available to all users at the same time?</b> [single choice] 1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No – but embargos imposed to prevent early public disclosure 3. <input type="checkbox"/> No
75.	<b>How are [CROPS] statistics disseminated?</b> [multiple choice] 1. <input type="checkbox"/> Data tables 2. <input type="checkbox"/> Analytical products 3. <input type="checkbox"/> Microdata files 4. <input type="checkbox"/> Other, please specify:
76.	<b>Are the users able to extract [CROPS] data from statistical database through a public query interface in the most appropriate and common formats (xlsx, CSV, html, etc.)?</b> [single choice] 1. <input type="checkbox"/> Yes, fully 2. <input type="checkbox"/> Yes, partially 3. <input type="checkbox"/> No
77.	<b>Can [CROPS] statistics be accessed via an Application Programming Interface (API)?</b> [single choice] 1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No
78.	<b>Are anonymized microdata on [CROPS] statistics disseminated externally?</b> [single choice] 1. <input type="checkbox"/> Yes, all the data 2. <input type="checkbox"/> Yes, but only a subset of data 3. <input type="checkbox"/> No
79.	<b>IF “Yes” to previous question</b> <b>How are the data anonymized?</b> [single choice] 1. <input type="checkbox"/> By removing unit identifiers and changing/removing the values of those variables that may allow an indirect identification 2. <input type="checkbox"/> Just by removing the identifiers 3. <input type="checkbox"/> other, please explain



80.	<p><b>Are [CROPS] statistics disseminated in a clear and understandable manner?</b> (i.e. the statistics come along with explanatory texts that clearly describes the content, well designed tables and graphical outputs, etc.)</p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all the statistics</li> <li>2. <input type="checkbox"/> Yes, but only a subset of the statistics</li> <li>3. <input type="checkbox"/> No</li> </ol>
81.	<p><b>Has [CROPS] statistics dissemination been adapted to reflect new IT dissemination opportunities such as mobile phones?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, various methods of new IT dissemination opportunities have been adopted to reach the maximum number of users in a cost-effective way</li> <li>2. <input type="checkbox"/> Yes, new IT dissemination opportunities have been adopted but the maximum number of users has not yet been reached</li> <li>3. <input type="checkbox"/> No new IT dissemination system has been put in place</li> </ol>
82.	<p><b>Are users informed about revisions of already disseminated [CROPS] statistics?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, always</li> <li>2. <input type="checkbox"/> Yes, but occasionally</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not Applicable (revisions are NOT done)</li> </ol>
83.	<p><b>Are [CROPS] statistics accompanied by the corresponding metadata needed to understand them?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all metadata are provided</li> <li>2. <input type="checkbox"/> Yes, but just a subset of metadata is provided</li> <li>3. <input type="checkbox"/> No</li> </ol>
84.	<p><b>Are [CROPS] statistics accompanied by up-to-date methodological documents (on concepts, scope, classifications, basis of recording, data sources, compilation methods and statistical techniques), as well as quality reports freely available to the public?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all the documentation is provided to the users</li> <li>2. <input type="checkbox"/> Yes, but the available documentation is rather limited</li> <li>3. <input type="checkbox"/> No</li> </ol>
85.	<p><b>Do you monitor accesses to [CROPS] statistics by calculating related indicators?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, regularly</li> <li>2. <input type="checkbox"/> Yes, occasionally</li> <li>3. <input type="checkbox"/> No</li> </ol>
86.	<p><b>Is it possible for users to contact the agency to point out possible errors, to seek clarifications and, if necessary, to lodge complaints?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes</li> <li>2. <input type="checkbox"/> No</li> </ol>

## II.3.5 Comparability and Coherence

UN NQAF Level D – Managing statistical outputs, Principle 18 Assuring Coherence and Comparability  
IMF DQAF 4.2 Consistency

87.	<p><b>Do you assess the coherence of the disseminated [CROPS] statistics with similar statistics produced and disseminated by another <u>National</u> Agency?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, regularly</li> <li>2. <input type="checkbox"/> Yes, sometimes</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not Applicable (There are no other National Agencies producing [CROPS] statistics)</li> </ol>
88.	<p><b>Do you assess the coherence of the disseminated [CROPS] statistics with similar statistics produced and disseminated by an <u>International</u> Agency?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, regularly</li> <li>2. <input type="checkbox"/> Yes, sometimes</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not Applicable (There are no other International Agencies producing [CROPS] statistics)</li> </ol>
89.	<p><b>Are [CROPS] classified according to the Central Product Classification Revision 2.1 (CPC Rev.2.1) expanded (as reported in the AGRIS manual (Annex 1-3)?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> </ol>
90.	<p><b>IF [2,3] to previous question</b></p> <p><b>Do you use a conversion table from internal to CPC classification?</b></p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, there is a well-established and publicly available table</li> <li>2. <input type="checkbox"/> Yes, but the table is not stable over time</li> <li>3. <input type="checkbox"/> No</li> </ol>
91.	<p><b>Are the units of measure used in collecting [CROPS] data compliant with international standards?</b></p> <p><i>(typically hectares for agriculture area; tons or kilograms for quantities)</i></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> </ol>

92.	<p><b>IF [2,3] to previous question</b></p> <p><b>Is conversion of unit of measures done in accordance to established and fixed conversion table(s)?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, the table(s) are well-established and publicly available</li> <li>2. <input type="checkbox"/> Yes, but the table(s) are not stable over time</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not Applicable (conversion is not done)</li> </ol>
93.	<p><b>In case of (almost) regular production of [CROPS] statistics over the last 5 years, to what extent are they comparable over time?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Fully comparable</li> <li>2. <input type="checkbox"/> Partially comparable</li> <li>3. <input type="checkbox"/> Not comparable because of a break in the time series. Please explain the reason for the break:</li> <li>4. <input type="checkbox"/> Not applicable (no regular production of [CROPS] statistics over the last 5 years or comparability over time not assessed)</li> </ol>
94.	<p><b>Are [CROPS] statistics comparable for geographical areas (districts, provinces, etc.) in the country?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not Applicable ([CROPS] statistics refer only to the whole country and no statistics are produced for geographical sub-domains)</li> </ol>

### II.3.6. Managing the Metadata

UN NQAF Level D – Managing statistical outputs, Principle 19 Managing Metadata

95.	<p><b>Do you have a metadata management system for [CROPS] statistics or for all the statistics produced and disseminated by your Agency?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li>1. <input type="checkbox"/> Yes, it is fully operative</li><li>2. <input type="checkbox"/> Yes, it is partially operative</li><li>3. <input type="checkbox"/> No</li></ol>
96.	<p><b>IF “Yes” to the previous question</b></p> <p><b>Is the metadata management system in line with international standards (like SDMX, DDI, etc.)?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li>1. <input type="checkbox"/> Yes, fully</li><li>2. <input type="checkbox"/> Yes, partially</li><li>3. <input type="checkbox"/> No</li></ol>
97.	<p><b>Are procedures in place to ensure that metadata on [CROPS] are documented according to standardized metadata systems and regularly updated?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li>1. <input type="checkbox"/> Yes, on a regular basis</li><li>2. <input type="checkbox"/> Yes, but not on a regular basis</li><li>3. <input type="checkbox"/> No</li></ol>
98.	<p><b>Are updates of metadata on [CROPS] statistics disseminated at the same time of [CROPS] statistics themselves?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li>1. <input type="checkbox"/> Yes, all the metadata</li><li>2. <input type="checkbox"/> Yes, but only a subset of relevant metadata is updated and disseminated together with the data</li><li>3. <input type="checkbox"/> No</li></ol>



## Filtering question

99.	<p>Are data on [LIVESTOCK] collected with the same survey used to collect [CROPS] data? [single choice]</p> <p>1. <input type="checkbox"/> Yes <b>GO TO PART III</b></p> <p>2. <input type="checkbox"/> No, <b>GO TO PART IV</b></p>
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## Part III – Livestock statistics

### III.1.1 – The main variables

*GSBPM 2.2 – Design Variable Description*

100.	<p>Please indicate the units on which [LIVESTOCK] data are collected? [multiple choice]</p> <p>1. <input type="checkbox"/> Holdings with land and raising livestock</p> <p>2. <input type="checkbox"/> Landless holdings raising livestock</p> <p>3. <input type="checkbox"/> Nomadic/semi-nomadic pastoralism (if applicable)</p> <p>4. <input type="checkbox"/> Large commercial agriculture holdings raising livestock</p> <p>5. <input type="checkbox"/> Other, please explain</p>
101.	<p>Please indicate the type of [LIVESTOCK] data being collected? [multiple choice]</p> <p>1. <input type="checkbox"/> All [LIVESTOCK] raised by species</p> <p>2. <input type="checkbox"/> Herd's movements</p> <p>3. <input type="checkbox"/> Production of meat by species</p> <p>4. <input type="checkbox"/> Production of milk by species</p> <p>5. <input type="checkbox"/> Production of eggs by species</p> <p>6. <input type="checkbox"/> Honeybees</p> <p>7. <input type="checkbox"/> Other please explain</p>
102.	<p>Which of the following variables are collected? [multiple choice]</p> <p>1. <input type="checkbox"/> Number of births by species</p> <p>2. <input type="checkbox"/> Number of live animals by species</p> <p>3. <input type="checkbox"/> Number of deaths by species</p> <p>4. <input type="checkbox"/> Number of slaughtered animals for meat production, by species</p> <p>5. <input type="checkbox"/> Carcass weight of slaughtered animals</p> <p>6. <input type="checkbox"/> Quantity of meat by use (own-consumption, selling, etc.)</p> <p>7. <input type="checkbox"/> Milk production by use</p> <p>8. <input type="checkbox"/> Eggs production by use</p> <p>9. <input type="checkbox"/> Other please explain</p>

**103. Is the survey collecting the data (volume of livestock products sold and livestock revenues) supporting the compilation of the SDG indicators 2.3.1 and 2.3.2?**

*(SDG 2.3.1: Volume of production per labour unit by classes of farming/pastoral/forestry enterprise size; Indicator 2.3.2: Average income of small-scale food producers, by sex and indigenous status)*

<https://unstats.un.org/sdgs/metadata?Text=&Goal=2&Target=2.3>

[single choice]

1.  Yes, fully
2.  Yes, partially
3.  No
4.  Not applicable (the data are collected in another survey/data source, etc.)

### III.1.2 – The sample and the sampling frame

GSBPM 2.4 Design Frame and Sample

GSBPM 4.1 create Frame and Select Sample

If [LIVESTOCK] statistics are the output of a single sample survey selected from a single frame

104.	<p>Are livestock statistics obtained as the output of a stand-alone sample survey with the sample selected from a single frame?</p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes [GO to next question -&gt; 105]</li><li><input type="checkbox"/> No [GO To next Section -&gt; Q108]</li></ol>
105.	<p>Is the sample designed to give <u>national</u> estimates of [LIVESTOCK] statistics with a fixed maximum sampling error?</p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, for the most important national [LIVESTOCK] product</li><li><input type="checkbox"/> Yes, but only for few important national [LIVESTOCK] product</li><li><input type="checkbox"/> No</li></ol>
106.	<p>Is the sample designed to provide <u>sub-national</u> (district/province level) estimates of [LIVESTOCK] statistics with a fixed maximum sampling error?</p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, for the most important [LIVESTOCK] product</li><li><input type="checkbox"/> Yes, but only for few important [LIVESTOCK] product, depending on the region</li><li><input type="checkbox"/> No</li></ol>
107.	<p>Which are the main problems in the sampling frame with respect to [LIVESTOCK]?</p> <p>[multiple choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Under-coverage (not all the units are included in the frame)</li><li><input type="checkbox"/> Over-coverage (part of the units included in the frame should not be there)</li><li><input type="checkbox"/> Outdated information</li><li><input type="checkbox"/> Missing data</li><li><input type="checkbox"/> Other, please explain</li></ol>

If [LIVESTOCK] statistics are the output also of an additional sub-sample(s) selected from different frames

108.	<p>Which are the main reasons for having the additional sub-sample(s)?</p> <p>[multiple choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Collect data on commercial holdings raising [LIVESTOCK]</li><li><input type="checkbox"/> Collect data on landless holdings raising [LIVESTOCK]</li><li><input type="checkbox"/> Collect data on nomadic/semi-nomadic pastoralism</li><li><input type="checkbox"/> Other, please explain:</li></ol>
109.	<p>Are the additional sub-sample(s) selected using a probabilistic mechanism?</p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, all the samples</li><li><input type="checkbox"/> Yes, only some of the samples</li><li><input type="checkbox"/> No</li></ol>



110.	<p><b>IF “Yes” to previous question</b></p> <p><b>Are the samples designed in accordance with the well-known standards?</b>  <i>(typically sample on household adopt a stratified two stage sampling design while a sample of agriculture holdings is selected using a stratified one-stage sampling design; see e.g. Chapter 5 in the AGRIS Manual)?</i></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> </ol>
111.	<p><b>Is there the risk of overlapping between the frame used to select [LIVESTOCK] sub-samples and the frame used to select the main sample?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes</li> <li>2. <input type="checkbox"/> No</li> <li>3. <input type="checkbox"/> Don't Know</li> </ol>
112.	<p><b>IF “Yes” to previous question</b></p> <p><b>Have you assessed the potential overlapping between frames?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, by carrying out a tailored study</li> <li>2. <input type="checkbox"/> Yes, but only approximately</li> <li>3. <input type="checkbox"/> No</li> </ol>

## III.2 Managing [LIVESTOCK] Statistical Outputs

### III.2.1 Relevance

UN NQAF Level D – Managing statistical outputs, Principle 14 Assuring relevance

IMF DQAF. 0.3 Prerequisites for quality – Relevance (0.3.1)

113.	<p><b>Please indicate the coverage in terms of [LIVESTOCK] products?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> The survey covers <u>ALL</u> [LIVESTOCK] species (and corresponding products) relevant at national level (say covering at least the 90% of the whole national [LIVESTOCK])</li><li><input type="checkbox"/> The survey covers <u>only the main</u> [LIVESTOCK] species (and corresponding products) at national level (say covering from the 60% to 90% of the whole national [LIVESTOCK] production)</li><li><input type="checkbox"/> The survey covers only a small subset of [LIVESTOCK] species relevant at national level</li><li><input type="checkbox"/> Other please explain</li></ol>
114.	<p><b>Do the currently disseminated [LIVESTOCK] statistics satisfy the main needs of both <u>National</u> and international users?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, fully</li><li><input type="checkbox"/> Yes, partially</li><li><input type="checkbox"/> No</li><li><input type="checkbox"/> Don't know</li></ol>
115.	<p><b>Do the currently disseminated [LIVESTOCK] statistics satisfy the main needs of both <u>National</u> and international users in terms of disaggregation (territorial, by type of farms, etc.)?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, fully</li><li><input type="checkbox"/> Yes, partially</li><li><input type="checkbox"/> No</li><li><input type="checkbox"/> Don't know</li></ol>
116.	<p><b>Do you have a mechanism (survey, committee) to monitor user's satisfaction with [LIVESTOCK] statistics and understanding also their unmet needs?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, in a regular way</li><li><input type="checkbox"/> Yes, but not regularly</li><li><input type="checkbox"/> No</li></ol>
117.	<p><b>IF "Yes" to previous</b></p> <p><b>Are the unmet needs prioritized and taken into account to improve the statistical production process of [LIVESTOCK] statistics and the corresponding quality?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, in a regular way</li><li><input type="checkbox"/> Yes, but not regularly</li><li><input type="checkbox"/> No</li></ol>

### III.2.2 Accuracy and Reliability

UN NQAF Level D – Managing statistical outputs, Principle 15 Assuring Accuracy and Reliability  
IMF DQAF 3. Accuracy and reliability, 4.3 Revision Policy and practice

118.	<p><b>Is the survey designed to cover all the target populations underlying [LIVESTOCK] statistics?</b> (typically, in some countries the agriculture production requires the collection data from commercial farms and the households in the agriculture sector)</p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all the target populations are considered</li> <li>2. <input type="checkbox"/> No, the survey considers only the subset of the population contributing to a largest fraction of the overall agriculture production</li> <li>3. <input type="checkbox"/> No, the survey considers only the subset of the population easier to be observed</li> <li>4. <input type="checkbox"/> other, please explain</li> </ol>
119.	<p><b>Do you assess the accuracy of [LIVESTOCK] statistics in terms of sampling error (i.e. estimation of the sampling error, confidence intervals, etc.)?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, in a regular way</li> <li>2. <input type="checkbox"/> Yes, occasionally</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not applicable, we do not use a sample survey to collect data on [LIVESTOCK]</li> </ol>
120.	<p><b>Do you have tools to assess potential impact of non-sampling errors on the accuracy of [LIVESTOCK] statistics?</b> <i>(nonsampling errors are the errors that do not depend from the sampling and may arise in any phase of a statistical production process; usually they include nonresponse, measurement errors, errors in data treatment, etc.)</i></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, we regularly monitor them by calculating a set of quality indicators (unit nonresponse, item nonresponse, etc.)</li> <li>2. <input type="checkbox"/> Yes, but not on a regular basis</li> <li>3. <input type="checkbox"/> No</li> </ol>
121.	<p><b>Do you revise already disseminated [LIVESTOCK] statistics?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, on a regular basis according to a well-defined revision policy (usually include at least 2 revisions of initial disseminated statistics)</li> <li>2. <input type="checkbox"/> Yes, we disseminate provisional statistics and then replace them with the corresponding final estimates</li> <li>3. <input type="checkbox"/> Yes, we revise the statistics only when errors in the disseminated figures are detected (there is not a revision policy or dissemination of provisional and final statistics)</li> <li>4. <input type="checkbox"/> No</li> </ol>
122.	<p><b>IF “Yes ” to the previous question</b> <b>Do you calculate indicators related to the direction and size of revisions of [LIVESTOCK] statistics?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, on a regular basis</li> <li>2. <input type="checkbox"/> Yes, not regularly</li> <li>3. <input type="checkbox"/> No</li> </ol>

### III.2.3 Timeliness and Punctuality

UN NQAF Level D – Managing statistical outputs, Principle 16 Assuring Timeliness and Punctuality  
IMF DQAF 4. Serviceability, 4.1 Periodicity and Timeliness

123.	<p><b>Do you disseminate externally provisional [LIVESTOCK] statistics?</b> [single choice]</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Yes</li> <li><input type="checkbox"/> No</li> </ol>
124.	<p><b>IF provisional estimates are disseminated</b> <b>What is the timeliness of disseminated provisional [LIVESTOCK] statistics?</b> <i>(please indicate the time-lag from the end of the reference period to the dissemination date)</i></p> <p> _  months for <u>provisional</u> estimates (if provisional estimates are disseminated)</p>
125.	<p><b>IF provisional estimates are disseminated</b> <b>Are provisional estimates disseminated to compensate for non-timely final [LIVESTOCK] statistics?</b> [single choice]</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Yes, this is the main reason</li> <li><input type="checkbox"/> Yes, this is one of the reasons</li> <li><input type="checkbox"/> No</li> </ol>
126.	<p><b>What is the timeliness of disseminated provisional [LIVESTOCK] statistics?</b> <i>(please indicate the time-lag from the end of the reference period to the dissemination date)</i></p> <p> _  months for <u>final</u> estimates</p>
127.	<p><b>In case of (almost) regular production of [LIVESTOCK] statistics over the last 5 years. What is the observed trend of timeliness?</b> [single choice]</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Improving (i.e. Reduction of time-lag between reference date and dissemination date)</li> <li><input type="checkbox"/> Slightly improving</li> <li><input type="checkbox"/> Almost stable</li> <li><input type="checkbox"/> Slightly deteriorating</li> <li><input type="checkbox"/> Deteriorating</li> <li><input type="checkbox"/> Not applicable (no regular production of [LIVESTOCK] statistics over the last 5 years)</li> </ol>
128.	<p><b>IF previous questions = [3,4,5]</b> <b>Are you planning to revise the process to improve the timeliness of [LIVESTOCK] statistics?</b> [single choice]</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Yes, it's the main priority</li> <li><input type="checkbox"/> Yes, but it is not the main priority</li> <li><input type="checkbox"/> No</li> </ol>
129.	<p><b>Does a published schedule announce the [LIVESTOCK] statistics publication dates in advance of their release?</b> [single choice]</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Yes</li> <li><input type="checkbox"/> No</li> </ol>

130. **Have you experienced problems in punctuality of dissemination of [LIVESTOCK] statistics? (i.e. statistics disseminated later than the scheduled date)**

[single choice]

1.  Yes, often
2.  Yes, sometimes
3.  No

### III.2.4 Accessibility and Clarity

UN NQAF Level D – Managing statistical outputs, Principle 17 Assuring Accessibility and Clarity

IMF DQAF 5 Accessibility

131.	<p><b>Are the disseminated [LIVESTOCK] statistics made freely available for all users?</b>          [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> </ol>
132.	<p><b>Are the disseminated [LIVESTOCK] statistics made available to all users at the same time?</b>          [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes</li> <li>2. <input type="checkbox"/> No – but embargos imposed to prevent early public disclosure</li> <li>3. <input type="checkbox"/> No</li> </ol>
133.	<p><b>How are [LIVESTOCK] statistics disseminated?</b>          [multiple choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Data tables</li> <li>2. <input type="checkbox"/> Analytical products</li> <li>3. <input type="checkbox"/> Microdata files</li> <li>4. <input type="checkbox"/> Other, please specify:</li> </ol>
134.	<p><b>Are the users able to extract [LIVESTOCK] data from statistical database through a public query interface in the most appropriate and common formats (xlsx, csv, html, etc.)?</b>          [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> </ol>
135.	<p><b>Can [LIVESTOCK] statistics be accessed via an Application Programming Interface (API)?</b>          [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes</li> <li>2. <input type="checkbox"/> No</li> </ol>
136.	<p><b>Are anonymized microdata on [LIVESTOCK] statistics disseminated externally?</b>          [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all the data</li> <li>2. <input type="checkbox"/> Yes, but only a subset of data</li> <li>3. <input type="checkbox"/> No</li> </ol>
137.	<p><b>IF “Yes” to previous question</b>  <b>How are the data anonymized?</b>          [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> By removing unit identifiers and changing/removing the values of those variables that may allow an indirect identification</li> <li>2. <input type="checkbox"/> Just by removing the identifiers</li> <li>3. <input type="checkbox"/> other, please explain</li> </ol>

138.	<p><b>Are [LIVESTOCK] statistics disseminated in a clear and understandable manner?</b> (i.e. the statistics come along with explanatory texts that clearly describes the content, well designed tables and graphical outputs, etc.)</p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all the statistics</li> <li>2. <input type="checkbox"/> Yes, but only a subset of the statistics</li> <li>3. <input type="checkbox"/> No</li> </ol>
139.	<p><b>Has [LIVESTOCK] statistics dissemination been adapted to reflect new IT dissemination opportunities such as mobile phones?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, various methods of new IT dissemination opportunities have been adopted to reach the maximum number of users in a cost-effective way</li> <li>2. <input type="checkbox"/> Yes, new IT dissemination opportunities have been adopted but the maximum number of users has not yet been reached</li> <li>3. <input type="checkbox"/> No new IT dissemination system has been put in place</li> </ol>
140.	<p><b>Are users informed about revisions of already disseminated [LIVESTOCK] statistics?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, always</li> <li>2. <input type="checkbox"/> Yes, but occasionally</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not Applicable (revisions are NOT done)</li> </ol>
141.	<p><b>Are [LIVESTOCK] statistics accompanied by the corresponding metadata needed to understand them?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all metadata are provided</li> <li>2. <input type="checkbox"/> Yes, but just a subset of metadata is provided</li> <li>3. <input type="checkbox"/> No</li> </ol>
142.	<p><b>Are [LIVESTOCK] statistics accompanied by up-to-date methodological documents (on concepts, scope, classifications, basis of recording, data sources, compilation methods and statistical techniques), as well as quality reports freely available to the public?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all the documentation is provided to the users</li> <li>2. <input type="checkbox"/> Yes, but the available documentation is rather limited</li> <li>3. <input type="checkbox"/> No</li> </ol>
143.	<p><b>Do you monitor accesses to [LIVESTOCK] statistics by calculating related indicators?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, regularly</li> <li>2. <input type="checkbox"/> Yes, occasionally</li> <li>3. <input type="checkbox"/> No</li> </ol>
144.	<p><b>Is it possible for users to contact the agency to point out possible errors, to seek clarifications and, if necessary, to lodge complaints?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes</li> <li>2. <input type="checkbox"/> No</li> </ol>

### III.2.5 Comparability and Coherence

UN NQAF Level D – Managing statistical outputs, Principle 18 Assuring Coherence and Comparability  
IMF DQAF 4.2 Consistency

145.	<p><b>Do you assess the coherence of the disseminated [LIVESTOCK] statistics with similar statistics produced and disseminated by another <u>National</u> Agency?</b> [single choice]</p> <p>5. <input type="checkbox"/> Yes, regularly 6. <input type="checkbox"/> Yes, sometimes 7. <input type="checkbox"/> No 8. <input type="checkbox"/> Not Applicable (There are no other National Agencies producing [LIVESTOCK] statistics)</p>
146.	<p><b>Do you assess the coherence of the disseminated [LIVESTOCK] statistics with similar statistics produced and disseminated by an <u>International</u> Agency?</b> [single choice]</p> <p>5. <input type="checkbox"/> Yes, regularly 6. <input type="checkbox"/> Yes, sometimes 7. <input type="checkbox"/> No 8. <input type="checkbox"/> Not Applicable (There are no other International Agencies producing [LIVESTOCK] statistics)</p>
147.	<p><b>Are [LIVESTOCK] animals and products classified according to the Central Product Classification Revision 2.1 (CPC Rev.2.1) expanded (as reported in the AGRIS manual (Annex 1-3)?</b> [single choice]</p> <p>1. <input type="checkbox"/> Yes, fully 2. <input type="checkbox"/> Yes, partially 3. <input type="checkbox"/> No</p>
148.	<p><b>IF [2,3] to previous question</b> <b>Do you use a conversion table from internal to CPC classification?</b></p> <p>1. <input type="checkbox"/> Yes, there is a well-established and publicly available table 2. <input type="checkbox"/> Yes, but the table is not stable over time 3. <input type="checkbox"/> No</p>
149.	<p><b>Are the units of measure used in collecting [LIVESTOCK] data compliant with international standards?</b> <i>(typically heads for animals; kilograms for meat, etc.)</i> [single choice]</p> <p>1. <input type="checkbox"/> Yes, fully 2. <input type="checkbox"/> Yes, partially 3. <input type="checkbox"/> No</p>
150.	<p><b>IF [2,3] to previous question</b> <b>Is conversion of unit of measures done in accordance to established and fixed conversion table(s)?</b> [single choice]</p> <p>1. <input type="checkbox"/> Yes, the table(s) are well-established and publicly available 2. <input type="checkbox"/> Yes, but the table(s) are not stable over time 3. <input type="checkbox"/> No 4. <input type="checkbox"/> Not Applicable (conversion is not done)</p>



151.	<p><b>In case of (almost) regular production of [LIVESTOCK] statistics over the last 5 years, to what extent are they comparable over time?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Fully comparable</li> <li>2. <input type="checkbox"/> Partially comparable</li> <li>3. <input type="checkbox"/> Not comparable because of a break in the time series. Please explain the reason for the break:</li> <li>4. <input type="checkbox"/> Not applicable (no regular production of [LIVESTOCK] statistics over the last 5 years or comparability over time not assessed)</li> </ol>
152.	<p><b>Are [LIVESTOCK] statistics comparable for geographical areas (districts, provinces, etc.) in the country?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not Applicable ([LIVESTOCK] statistics refer only to the whole country and no statistics are produced for geographical sub-domains)</li> </ol>

### III.2.6. Managing the Metadata

UN NQAF Level D – Managing statistical outputs, Principle 19 Managing Metadata

153.	<b>Do you have a metadata management system for [LIVESTOCK] statistics or for all the statistics produced and disseminated by your Agency?</b> [single choice] 1. <input type="checkbox"/> Yes, it is fully operative 2. <input type="checkbox"/> Yes, it is partially operative 3. <input type="checkbox"/> No
154.	<b>IF “Yes” to the previous question</b> <b>Is the metadata management system in line with international standards (like SDMX, DDI, etc.)?</b> [single choice] 1. <input type="checkbox"/> Yes, fully 2. <input type="checkbox"/> Yes, partially 3. <input type="checkbox"/> No
155.	<b>Are procedures in place to ensure that metadata on [LIVESTOCK] are documented according to standardized metadata systems and regularly updated?</b> [single choice] 1. <input type="checkbox"/> Yes, on a regular basis 2. <input type="checkbox"/> Yes, but not on a regular basis 3. <input type="checkbox"/> No
156.	<b>Are updates of metadata on [LIVESTOCK] statistics disseminated at the same time of [LIVESTOCK] statistics themselves?</b> [single choice] 1. <input type="checkbox"/> Yes, all the metadata 2. <input type="checkbox"/> Yes, but only a subset of relevant metadata is updated and disseminated together with the data 3. <input type="checkbox"/> No



## Part IV – National [LIVESTOCK] statistics

The following part of the self-assessment investigates uniquely [LIVESTOCK] statistics when they are produced by a tailored survey (NOT the same survey used for [CROPS])

### Section IV.1 – Introduction

157.	<p><b>Do you have a statistical process (sample survey, administrative data, mixed sources, etc.) that ensures the production and dissemination of [LIVESTOCK] statistics?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, on a regular basis</li><li><input type="checkbox"/> Yes, but not on a regular basis</li><li><input type="checkbox"/> No, please explain</li></ol>
158.	<p><b>If previous question in [1,2]</b></p> <p><b>How is articulated the statistical process?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Single <i>ad hoc</i> sample survey</li><li><input type="checkbox"/> Data on [LIVESTOCK] collected in a general-purpose agriculture survey</li><li><input type="checkbox"/> Set of independent agriculture sample surveys</li><li><input type="checkbox"/> Administrative register/s</li><li><input type="checkbox"/> Combination of survey and administrative register</li><li><input type="checkbox"/> Earth observation data</li><li><input type="checkbox"/> Combination of survey and earth observation data</li><li><input type="checkbox"/> Combination of survey, administrative and earth observation data</li><li><input type="checkbox"/> Other, please specify: [free text]</li></ol>

## Section IV.2 – The statistical Process (survey)

*UN NQAF Level C - Managing statistical processes, Principle 10 - Assuring methodological soundness*

*UN NQAF Level C - Managing statistical processes, Principle 12 - Assuring appropriate statistical procedures*

*UN NQAF Level C - Managing statistical processes, Principle 13 - Managing the respondent burden*

*IMF DQAF 2. - Methodological Soundness*

*IMF DQAF 3.3 Statistical Techniques*

**To be filled IF the statistical process needed for producing [LIVESTOCK]' statistics involves one or more surveys (see previous question)**

159.	<p>Are you aware of “Handbook on the Agricultural Integrated Survey – AGRIS” prepared by the Global Strategy to improve Agricultural and Rural Statistics (published in 2017)? <a href="http://www.fao.org/3/ca6412en/ca6412en.pdf">http://www.fao.org/3/ca6412en/ca6412en.pdf</a> [single choice]</p> <ol style="list-style-type: none"><li>1. <input type="checkbox"/> Yes and we are already <u>implementing</u> it (fully or in part)</li><li>2. <input type="checkbox"/> Yes and we are <u>planning</u> to implement it (fully or in part)</li><li>3. <input type="checkbox"/> Yes we know of its existence but we are NOT using or not planning to use it</li><li>4. <input type="checkbox"/> No</li></ol>
160.	<p>Please indicate the type of survey(s) [single choice]</p> <ol style="list-style-type: none"><li>1. <input type="checkbox"/> Single annual survey (with only one wave) that collects [LIVESTOCK] data for the last agricultural year</li><li>2. <input type="checkbox"/> Survey with different waves that collects [LIVESTOCK] data for the different campaigns two or more times during the single year</li><li>3. <input type="checkbox"/> Other, please explain.</li></ol>

## IV.2.1 – The main variables

### GSBPM 2.2 – Design Variable Description

161.	<p><b>Are the survey statistical units clearly defined?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, fully</li><li><input type="checkbox"/> Yes, partially</li><li><input type="checkbox"/> No</li></ol>
162.	<p><b>Please indicate the units on which [LIVESTOCK] data are collected?</b></p> <p>[multiple choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Holdings with land and raising livestock</li><li><input type="checkbox"/> Landless holdings raising livestock</li><li><input type="checkbox"/> Nomadic/semi-nomadic pastoralism (if applicable)</li><li><input type="checkbox"/> Large commercial agriculture holdings raising livestock</li><li><input type="checkbox"/> Other, please explain</li></ol>
163.	<p><b>IF already implementing or planning to implement the AGRIS</b></p> <p><b>Is the definition of statistical units coherent with the AGRIS recommendations?</b></p> <p><i>(Section 4.1.1.4. of the AGRIS Manual)</i></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, fully</li><li><input type="checkbox"/> Yes, partially</li><li><input type="checkbox"/> No, please explain</li></ol>
164.	<p><b>Which of the following sections are included in the survey questionnaire?</b></p> <p><i>(please note that they are part of the AGRIS core module)</i></p> <p>[multiple choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> General information on the holding</li><li><input type="checkbox"/> Information on holders and managers</li><li><input type="checkbox"/> General information on the household of the holders and co-holders</li><li><input type="checkbox"/> general information on household dwelling and assets</li></ol>
165.	<p><b>Please indicate the type of [LIVESTOCK] data being collected?</b></p> <p>[multiple choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> All [LIVESTOCK] raised by species</li><li><input type="checkbox"/> Herd's movements</li><li><input type="checkbox"/> Production of meat by species</li><li><input type="checkbox"/> Production of milk by species</li><li><input type="checkbox"/> Production of eggs by species</li><li><input type="checkbox"/> Honeybees</li><li><input type="checkbox"/> Other please explain</li></ol>

166.	<p><b>Which of the following variables are collected?</b></p> <p>[multiple choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Number of births by species</li> <li>2. <input type="checkbox"/> Number of live animals by species</li> <li>3. <input type="checkbox"/> Number of deaths by species</li> <li>4. <input type="checkbox"/> Number of slaughtered animals for meat production, by species</li> <li>5. <input type="checkbox"/> Carcass weight of slaughtered animals</li> <li>6. <input type="checkbox"/> Quantity of meat by use (own-consumption, selling, etc.)</li> <li>7. <input type="checkbox"/> Milk production by use</li> <li>8. <input type="checkbox"/> Eggs production by use</li> <li>9. <input type="checkbox"/> Other please explain</li> </ol>
167.	<p><b>Is the survey on [LIVESTOCK] collecting the data (volume of livestock products sold and livestock revenues) supporting the compilation of the SDG indicators 2.3.1 and 2.3.2?</b></p> <p><i>(SDG 2.3.1: Volume of production per labour unit by classes of farming/pastoral/forestry enterprise size; Indicator 2.3.2: Average income of small-scale food producers, by sex and indigenous status)</i></p> <p><a href="https://unstats.un.org/sdgs/metadata?Text=&amp;Goal=2&amp;Target=2.3">https://unstats.un.org/sdgs/metadata?Text=&amp;Goal=2&amp;Target=2.3</a></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not applicable (data collected in other sources/surveys)</li> </ol>

## IV.2.2 – The sample and the sampling frame

GSBPM 2.4 Design Frame and Sample

GSBPM 4.1 create Frame and Select Sample

If [LIVESTOCK] statistics are the output of a single sample survey selected from a single frame

168.	<p>Are [LIVESTOCK] statistics obtained as the output of a stand-alone sample survey with the sample selected from a single frame?</p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes [GO TO next question]</p> <p>2. <input type="checkbox"/> No [GO TO next Section]</p>
169.	<p>Is [LIVESTOCK] survey based on a sample?</p> <p>[single choice]</p> <p>3. <input type="checkbox"/> Yes</p> <p>4. <input type="checkbox"/> No</p>
170.	<p><b>IF “Yes” to previous question</b></p> <p>Is probabilistic sampling adopted?</p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes</p> <p>2. <input type="checkbox"/> No</p>
171.	<p><b>IF “Yes” to previous question</b></p> <p>Is the sample designed in accordance with the well-known standards? (typically sample on household adopt a stratified two stage sampling design while a sample of agriculture holdings is selected using a stratified one-stage sampling design; see e.g. Chapter 5 in the AGRIS Manual)?</p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes, fully</p> <p>2. <input type="checkbox"/> Yes, partially</p> <p>3. <input type="checkbox"/> No</p>
172.	<p>Is the sample designed to give <u>national</u> estimates of [LIVESTOCK] statistics with a fixed maximum sampling error?</p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes, for the most important national [LIVESTOCK] product</p> <p>2. <input type="checkbox"/> Yes, but only for few important national [LIVESTOCK] product</p> <p>3. <input type="checkbox"/> No</p>
173.	<p>Is the sample designed to provide <u>sub-national</u> (district/province level) estimates of [LIVESTOCK] statistics with a fixed maximum sampling error?</p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes, for the most important [LIVESTOCK] product</p> <p>2. <input type="checkbox"/> Yes, but only for few important [LIVESTOCK] product, depending on the region</p> <p>3. <input type="checkbox"/> No</p>
174.	<p>Is the sampling frame currently used to design and extract the sample maintained and assessed whether adequate to the survey objectives?</p> <p>[single choice]</p> <p>1. <input type="checkbox"/> Yes on a regular basis</p> <p>2. <input type="checkbox"/> Yes, but not regularly</p> <p>3. <input type="checkbox"/> No</p>



175.	<p><b>In developing and maintaining a sampling frame, are you following the suggestions of the FAO Handbook on master sampling frame?</b> <a href="http://www.fao.org/3/ca6398en/ca6398en.pdf">http://www.fao.org/3/ca6398en/ca6398en.pdf</a></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, completely</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No, please explain</li> </ol>
176.	<p><b>Which are the main problems in the sampling frame?</b></p> <p>[multiple choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Under-coverage (not all the units are included in the frame)</li> <li>2. <input type="checkbox"/> Over-coverage (part of the units included in the frame should not be there)</li> <li>3. <input type="checkbox"/> Outdated information</li> <li>4. <input type="checkbox"/> Missing data</li> <li>5. <input type="checkbox"/> Other, please explain</li> </ol>
177.	<p><b>Have you assessed the extent of <u>under-coverage</u> in the sampling frame?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> No, as it can be considered negligible</li> <li>2. <input type="checkbox"/> No, it is NOT negligible but we were not able to measure its extent</li> <li>3. <input type="checkbox"/> Yes, and it is negligible (below 10%)</li> <li>4. <input type="checkbox"/> Yes, and it is NOT negligible. Please specify: ...</li> </ol>
178.	<p><b>Have you assessed the extent of <u>over-coverage</u> in the sampling frame?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> No, as it can be considered negligible</li> <li>2. <input type="checkbox"/> No, it is NOT negligible but we were not able to measure its extent</li> <li>3. <input type="checkbox"/> Yes, and it is negligible (below 10%)</li> <li>4. <input type="checkbox"/> Yes, and it is NOT negligible</li> </ol>
179.	<p><b>Does the sampling frame include outdated information?</b></p> <p>[multiple choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, information needed for sampling design (e.g. stratification variables, etc.)</li> <li>2. <input type="checkbox"/> Yes, information needed for contacting units</li> <li>3. <input type="checkbox"/> Yes, information not needed for sampling purposes or for contacting units</li> <li>4. <input type="checkbox"/> Other, please explain: ...</li> </ol>

**If [LIVESTOCK] statistics are the output of a set of samples selected from different frames**

180.	<p><b>Which are the main reasons for having different sampling frames?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Each frame refers to a different type of sample units (e.g. Agriculture households in one frame and commercial farms in the other)</li> <li>2. <input type="checkbox"/> The frames refer to the same sampling units but cover different sub-sets of the target population</li> <li>3. <input type="checkbox"/> The frames refer to the same sampling units but come from different sources and cannot be integrated</li> <li>4. <input type="checkbox"/> Other, please explain:</li> </ol>
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181.	<p><b>Are the different samples (each selected from one of the available frames) selected using a probabilistic mechanism?</b>  [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all the samples</li> <li>2. <input type="checkbox"/> Yes, only some of the samples</li> <li>3. <input type="checkbox"/> No</li> </ol>
182.	<p><b>IF “Yes” to previous question</b>  <b>Are the samples designed in accordance with the well-known standards?</b>  <i>(typically sample on household adopt a stratified two stage sampling design while a sample of agriculture holdings is selected using a stratified one-stage sampling design; see e.g. Chapter 5 in the AGRIS Manual)?</i>  [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> </ol>
183.	<p><b>Are the various samples designed to provide <u>national</u> estimates of [LIVESTOCK] statistics with a fixed maximum sampling error?</b>  [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, for the most important national [LIVESTOCK] product</li> <li>2. <input type="checkbox"/> Yes, but only for few important national [LIVESTOCK] product</li> <li>3. <input type="checkbox"/> No</li> </ol>
184.	<p><b>Are the various samples designed to provide <u>sub-national</u> estimates of [LIVESTOCK] statistics with a fixed maximum sampling error?</b>  [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, for the most important [LIVESTOCK] product for each region</li> <li>2. <input type="checkbox"/> Yes, but only for the few important [LIVESTOCK] product at regional level</li> <li>3. <input type="checkbox"/> No</li> </ol>
185.	<p><b>Is there the risk of overlapping between the distinct frames used to select the various samples?</b>  [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes</li> <li>2. <input type="checkbox"/> No</li> <li>3. <input type="checkbox"/> Don't Know</li> </ol>
186.	<p><b>IF “Yes” to previous question</b>  <b>Have you assessed the potential overlapping between frames?</b>  [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, by carrying out a tailored study</li> <li>2. <input type="checkbox"/> Yes, but only approximately</li> <li>3. <input type="checkbox"/> No</li> </ol>
187.	<p><b>Which are the main problems in the sampling frames?</b>  [multiple choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Undercoverage (not all the units are included in the frame)</li> <li>2. <input type="checkbox"/> Overcoverage (part of the units included in the frame should not be there)</li> <li>3. <input type="checkbox"/> Outdated information</li> <li>4. <input type="checkbox"/> Missing data</li> <li>5. <input type="checkbox"/> Other, please explain</li> </ol>

**For ALL**

**188. Is the work done on sampling frame(s) and the used sampling design(s) documented?**

[single choice]

1.  Yes, full documentation is available
2.  Yes, partial documentation is available
3.  No

## IV.2.3 Data collection

GSBPM 2.1 Design Collection

GSBPM 4. Collect

189.	<b>Is data collection designed to implement Computer Assisted Interview?</b> [single choice] 1. <input type="checkbox"/> Yes, for all the units 2. <input type="checkbox"/> Yes, but not for all the units 3. <input type="checkbox"/> No
190.	<b>Is the survey questionnaire designed to facilitate the data collection and reduce the response burden on respondents?</b> <i>(e.g. a well-designed skip pattern, well-written sentences easy to be understood, removal of unnecessary questions whose information does not contribute to dissemination, etc.)</i> [single choice] 1. <input type="checkbox"/> Yes, completely 2. <input type="checkbox"/> Yes, partially 3. <input type="checkbox"/> No
191.	<b>Is data collection carried out by interviewers?</b> [single choice] 1. <input type="checkbox"/> Yes, for all the units 2. <input type="checkbox"/> Yes, but only of a subset of units 3. <input type="checkbox"/> No
192.	<b>IF “Yes” to the previous question</b> <b>Is on-field data collection organized to allow efficient work for interviewers and avoid excessive workload?</b> [single choice] 1. <input type="checkbox"/> Yes, fully 2. <input type="checkbox"/> Yes, partially 3. <input type="checkbox"/> No
193.	<b>Do you have an automated monitoring system for data collection?</b> [single choice] 1. <input type="checkbox"/> Yes, it permits to monitor the data collection on a regular basis (daily or weekly) 2. <input type="checkbox"/> Yes, but it does not permit to monitor the data collection on a regular basis 3. <input type="checkbox"/> No
194.	<b>Did you test the data collection in advance?</b> [single choice] 1. <input type="checkbox"/> Yes, completely (questionnaire, organization of the on-field work, interviewing phase, ...) 2. <input type="checkbox"/> Yes, partially (only some aspects). Please explain: 3. <input type="checkbox"/> No

## IV.2.4 Data treatment

*GSBPM 5.3 Review and validate*

*GSBPM 5.3 Edit and impute*

195.	<b>Do you check collected data for errors (missing values, outliers, incoherent values, etc.)?</b> [single choice] 1. <input type="checkbox"/> Yes, for almost all the variables in the questionnaire 2. <input type="checkbox"/> Yes, only for the most important variables 3. <input type="checkbox"/> No
196.	<b>IF “yes” to previous question</b> <b>How do you detect errors in [LIVESTOCK] data?</b> [single choice] 1. <input type="checkbox"/> In a fully automatic way and part of the checks are already in the electronic questionnaire 2. <input type="checkbox"/> In a fully automatic way but after the data collection 3. <input type="checkbox"/> partly in automatic way and partly through manual checks (clerical revision) 4. <input type="checkbox"/> Only through manual checks (clerical revision) 5. <input type="checkbox"/> No, please explain
197.	<b>Do you impute missing values?</b> [single choice] 1. <input type="checkbox"/> Yes, for almost all the variables in the questionnaire 2. <input type="checkbox"/> Yes, only for the most important variables 3. <input type="checkbox"/> No 4. <input type="checkbox"/> Not applicable (missing values are not present)
198.	<b>IF “yes” to previous question</b> <b>How do you impute missing values?</b> [single choice] 1. <input type="checkbox"/> In an automatic way by applying well-known statistical methods (e.g. nearest neighbour donor imputation, regression imputation, etc.) 2. <input type="checkbox"/> A mixed approach involving both imputation using statistical methods and manual imputation carried out by clerks being subject matter experts 3. <input type="checkbox"/> Only manual imputation carried out by clerks being subject matter experts
199.	<b>Are the data treatment procedures (detection of errors, outlier and imputation) documented?</b> [single choice] 1. <input type="checkbox"/> Yes, fully 2. <input type="checkbox"/> Yes, partially 3. <input type="checkbox"/> No

## IV.2.5 Weighting

*GSBPM 5.6 Calculate sampling weights*

200.	<p><b>Do you modify the initial sample weights for compensating for unit nonresponse or for aligning survey estimates with known population totals (weights calibration or post-stratification)?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes</li><li><input type="checkbox"/> No</li><li><input type="checkbox"/> Not applicable (sample survey non adopted or nonprobability sampling is considered)</li></ol>
201.	<p><b>IF “Yes” to previous question</b></p> <p><b>Is the re-weighting procedure documented?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, fully</li><li><input type="checkbox"/> Yes, partially</li><li><input type="checkbox"/> No</li></ol>

## IV.2.6 Data processing and data backup

*GSBPM 5.7 Calculate aggregates*

*GSBPM 5.7 Finalize data files*

202.	<p><b>Do you check the final data-processing step (aimed at calculating the final [LIVESTOCK] estimates) for potential errors?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, the software codes have been extensively tested and checked in advance</li><li><input type="checkbox"/> yes, only if the software code returns an error</li><li><input type="checkbox"/> No</li></ol>
203.	<p><b>Are the final statistical estimates before their disseminations compared with other estimates?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes</li><li><input type="checkbox"/> No</li><li><input type="checkbox"/> Not applicable</li></ol>
204.	<p><b>IF “Yes” to previous question</b></p> <p><b>In case of discrepancies do you modify the estimates so to ensure coherence with other estimates</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, all the estimates</li><li><input type="checkbox"/> Yes, some of them</li><li><input type="checkbox"/> No</li></ol>
205.	<p><b>Have you implemented an IT procedure for doing backup of the data?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, regularly at the end of the main phase of the statistical process</li><li><input type="checkbox"/> Yes, but not on a regular basis</li><li><input type="checkbox"/> No</li></ol>

## IV.3 Managing [LIVESTOCK] Statistical Outputs

### IV.3.1 Relevance

UN NQAF Level D – Managing statistical outputs, Principle 14 Assuring relevance

IMF DQAF. 0.3 Prerequisites for quality – Relevance (0.3.1)

206.	<p><b>Please indicate the coverage in terms of [LIVESTOCK] products?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> The survey covers <u>ALL the products</u> of agriculture relevant (Division 01 in CPC 2.1) at national level (say covering at least the 90% of the whole national [LIVESTOCK] production)</li><li><input type="checkbox"/> The survey covers <u>only the main products</u> of agriculture relevant (Division 01 in CPC 2.1) at national level (say covering from the 60% to 90% of the whole national [LIVESTOCK] production)</li><li><input type="checkbox"/> The survey covers only a small subset of products of agriculture relevant (Division 01 in CPC 2.1) at national level</li><li><input type="checkbox"/> Other please explain</li></ol>
207.	<p><b>Do the currently disseminated [LIVESTOCK] statistics satisfy the main needs of both National and international users?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, fully</li><li><input type="checkbox"/> Yes, partially</li><li><input type="checkbox"/> No</li><li><input type="checkbox"/> Don't know</li></ol>
208.	<p><b>Do the currently disseminated [LIVESTOCK] statistics satisfy the main needs of both National and international users in terms of disaggregation (territorial, by type of farms, etc.)?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, fully</li><li><input type="checkbox"/> Yes, partially</li><li><input type="checkbox"/> No</li><li><input type="checkbox"/> Don't know</li></ol>
209.	<p><b>Do you have a mechanism (survey, committee) to monitor user's satisfaction with [LIVESTOCK] statistics and understanding also their unmet needs?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, in a regular way</li><li><input type="checkbox"/> Yes, but not regularly</li><li><input type="checkbox"/> No</li></ol>
210.	<p><b>IF "Yes" to previous</b></p> <p><b>Are the unmet needs prioritized and taken into account to improve the statistical production process of [LIVESTOCK] statistics and the corresponding quality?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li><input type="checkbox"/> Yes, in a regular way</li><li><input type="checkbox"/> Yes, but not regularly</li><li><input type="checkbox"/> No</li></ol>

## IV.3.2 Accuracy and Reliability

UN NQAF Level D – Managing statistical outputs, Principle 15 Assuring Accuracy and Reliability

IMF DQAF 3. Accuracy and reliability, 4.3 Revision Policy and practice

211.	<p><b>Is the survey designed to cover all the target populations underlying [LIVESTOCK] statistics? (typically, in some countries the agriculture production requires the collection data from commercial farms and the households in the agriculture sector)</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all the target populations are considered</li> <li>2. <input type="checkbox"/> No, the survey considers only the subset of the population contributing to a largest fraction of the overall agriculture production</li> <li>3. <input type="checkbox"/> No, the survey considers only the subset of the population easier to be observed</li> <li>4. <input type="checkbox"/> other, please explain</li> </ol>
212.	<p><b>Do you assess the accuracy of [LIVESTOCK] statistics in terms of sampling error (i.e. estimation of the sampling error, confidence intervals, etc.)?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, in a regular way</li> <li>2. <input type="checkbox"/> Yes, occasionally</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not applicable, we do not use a sample survey to collect data on [LIVESTOCK]</li> </ol>
213.	<p><b>Do you have tools to assess potential impact of non-sampling errors on the accuracy of [LIVESTOCK] statistics?</b></p> <p><i>(nonsampling errors are the errors that do not depend from the sampling and may arise in any phase of a statistical production process; usually they include nonresponse, measurement errors, errors in data treatment, etc.)</i></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, we regularly monitor them by calculating a set of quality indicators (unit nonresponse, item nonresponse, etc.)</li> <li>2. <input type="checkbox"/> Yes, but not on a regular basis</li> <li>3. <input type="checkbox"/> No</li> </ol>
214.	<p><b>Do you revise already disseminated [LIVESTOCK] statistics?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, on a regular basis according to a well-defined revision policy (usually include at least 2 revisions of initial disseminated statistics)</li> <li>2. <input type="checkbox"/> Yes, we disseminate provisional statistics and then replace them with the corresponding final estimates</li> <li>3. <input type="checkbox"/> Yes we revise the statistics only when errors in the disseminated figures are detected (there is not a revision policy or dissemination of provisional and final statistics)</li> <li>4. <input type="checkbox"/> No</li> </ol>
215.	<p><b>IF “Yes ” to the previous question</b></p> <p><b>Do you calculate indicators related to the direction and size of revisions of [LIVESTOCK] statistics?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, on a regular basis</li> <li>2. <input type="checkbox"/> Yes, not regularly</li> <li>3. <input type="checkbox"/> No</li> </ol>



### IV.3.3 Timeliness and Punctuality

UN NQAF Level D – Managing statistical outputs, Principle 16 Assuring Timeliness and Punctuality  
IMF DQAF 4. Serviceability, 4.1 Periodicity and Timeliness

216.	<p><b>Do you disseminate provisional estimates?</b> [single choice]</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Yes</li> <li><input type="checkbox"/> No</li> </ol>
217.	<p><b>IF provisional estimates are disseminated</b> <b>Please indicate their timeliness in months</b> (the time-lag from the end of the reference period to the dissemination date)</p> <p>   _  months for <u>provisional</u> estimates</p>
218.	<p><b>IF provisional estimates are disseminated</b> <b>Are provisional estimates disseminated to compensate for non-timely final [LIVESTOCK] statistics?</b> [single choice]</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Yes, this is the main reason</li> <li><input type="checkbox"/> Yes, this is one of the reasons</li> <li><input type="checkbox"/> No</li> </ol>
219.	<p><b>What is the timeliness of [LIVESTOCK] statistics?</b> (please indicate the time-lag from the end of the reference period to the dissemination date)</p> <p>   _  months for <u>provisional</u> estimates (if provisional estimates are disseminated)</p> <p>   _  months for <u>final</u> estimates</p>
220.	<p><b>In case of (almost) regular production of [LIVESTOCK] statistics over the last 5 years. What is the observed trend of timeliness?</b> [single choice]</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Improving (i.e. Reduction of time-lag between reference date and dissemination date)</li> <li><input type="checkbox"/> Slightly improving</li> <li><input type="checkbox"/> Almost stable</li> <li><input type="checkbox"/> Slightly deteriorating</li> <li><input type="checkbox"/> Deteriorating</li> <li><input type="checkbox"/> Not applicable (no regular production of [LIVESTOCK] statistics over the last 5 years)</li> </ol>
221.	<p><b>IF previous questions = [3,4,5]</b> <b>Are you planning to revise the process to improve the timeliness of [LIVESTOCK] statistics?</b> [single choice]</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Yes, it's the main priority</li> <li><input type="checkbox"/> Yes, but it is not the main priority</li> <li><input type="checkbox"/> No</li> </ol>
222.	<p><b>Does a published schedule announce the [LIVESTOCK] statistics publication dates in advance of their release?</b> [single choice]</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Yes</li> <li><input type="checkbox"/> No</li> </ol>

223.

**Have you experienced problems in punctuality of dissemination of [LIVESTOCK] statistics? (i.e. statistics disseminated later than the scheduled date)**

[single choice]

1.  Yes, often
2.  Yes, sometimes
3.  No

### IV.3.4 Accessibility and Clarity

UN NQAF Level D – Managing statistical outputs, Principle 17 Assuring Accessibility and Clarity  
IMF DQAF 5 Accessibility

224.	<p><b>Are the disseminated [LIVESTOCK] statistics made freely available for all users?</b> [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> </ol>
225.	<p><b>Are the disseminated [LIVESTOCK] statistics made available to all users at the same time?</b> [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes</li> <li>2. <input type="checkbox"/> No – but embargos imposed to prevent early public disclosure</li> <li>3. <input type="checkbox"/> No</li> </ol>
226.	<p><b>How are [LIVESTOCK] statistics disseminated?</b> [multiple choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Data tables</li> <li>2. <input type="checkbox"/> Analytical products</li> <li>3. <input type="checkbox"/> Microdata files</li> <li>4. <input type="checkbox"/> Other, please specify:</li> </ol>
227.	<p><b>Are the users able to extract [LIVESTOCK] data from statistical database through a public query interface in the most appropriate and common formats (xlsx, CSV, html, etc.)?</b> [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> </ol>
228.	<p><b>Can [LIVESTOCK] statistics be accessed via an Application Programming Interface (API)?</b> [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes</li> <li>2. <input type="checkbox"/> No</li> </ol>
229.	<p><b>Are anonymized microdata on [LIVESTOCK] statistics disseminated externally?</b> [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all the data</li> <li>2. <input type="checkbox"/> Yes, but only a subset of data</li> <li>3. <input type="checkbox"/> No</li> </ol>
230.	<p><b>IF “Yes” to previous question</b> <b>How are the data anonymized?</b> [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> By removing unit identifiers and changing/removing the values of those variables that may allow an indirect identification</li> <li>2. <input type="checkbox"/> Just by removing the identifiers</li> <li>3. <input type="checkbox"/> other, please explain</li> </ol>

231.	<p><b>Are [LIVESTOCK] statistics disseminated in a clear and understandable manner?</b> (i.e. the statistics come along with explanatory texts that clearly describes the content, well designed tables and graphical outputs, etc.)</p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all the statistics</li> <li>2. <input type="checkbox"/> Yes, but only a subset of the statistics</li> <li>3. <input type="checkbox"/> No</li> </ol>
232.	<p><b>Has [LIVESTOCK] statistics dissemination been adapted to reflect new IT dissemination opportunities such as mobile phones?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, various methods of new IT dissemination opportunities have been adopted to reach the maximum number of users in a cost-effective way</li> <li>2. <input type="checkbox"/> Yes, new IT dissemination opportunities have been adopted but the maximum number of users has not yet been reached</li> <li>3. <input type="checkbox"/> No new IT dissemination system has been put in place</li> </ol>
233.	<p><b>Are users informed about revisions of already disseminated [LIVESTOCK] statistics?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, always</li> <li>2. <input type="checkbox"/> Yes, but occasionally</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not Applicable (revisions are NOT done)</li> </ol>
234.	<p><b>Are [LIVESTOCK] statistics accompanied by the corresponding metadata needed to understand them?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all metadata are provided</li> <li>2. <input type="checkbox"/> Yes, but just a subset of metadata is provided</li> <li>3. <input type="checkbox"/> No</li> </ol>
235.	<p><b>Are [LIVESTOCK] statistics accompanied by up-to-date methodological documents (on concepts, scope, classifications, basis of recording, data sources, compilation methods and statistical techniques), as well as quality reports freely available to the public?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, all the documentation is provided to the users</li> <li>2. <input type="checkbox"/> Yes, but the available documentation is rather limited</li> <li>3. <input type="checkbox"/> No</li> </ol>
236.	<p><b>Do you monitor accesses to [LIVESTOCK] statistics by calculating related indicators?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, regularly</li> <li>2. <input type="checkbox"/> Yes, occasionally</li> <li>3. <input type="checkbox"/> No</li> </ol>
237.	<p><b>Is it possible for users to contact the agency to point out possible errors, to seek clarifications and, if necessary, to lodge complaints?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes</li> <li>2. <input type="checkbox"/> No</li> </ol>



### IV.3.5 Comparability and Coherence

UN NQAF Level D – Managing statistical outputs, Principle 18 Assuring Coherence and Comparability  
IMF DQAF 4.2 Consistency

238.	<p><b>Do you assess the coherence of the disseminated [LIVESTOCK] statistics with similar statistics produced and disseminated by another <u>National</u> Agency?</b> [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, regularly</li> <li>2. <input type="checkbox"/> Yes, sometimes</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not Applicable (There are no other National Agencies producing [LIVESTOCK] statistics)</li> </ol>
239.	<p><b>Do you assess the coherence of the disseminated [LIVESTOCK] statistics with similar statistics produced and disseminated by an <u>International</u> Agency?</b> [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, regularly</li> <li>2. <input type="checkbox"/> Yes, sometimes</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not Applicable (There are no other International Agencies producing [LIVESTOCK] statistics)</li> </ol>
240.	<p><b>Are [LIVESTOCK] classified according to the Central Product Classification Revision 2.1 (CPC Rev.2.1) expanded (as reported in the AGRIS manual (Annex 1-3)?</b> [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> </ol>
241.	<p><b>IF [2,3] to previous question</b> <b>Do you use a conversion table from internal to CPC classification?</b></p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, there is a well-established and publicly available table</li> <li>2. <input type="checkbox"/> Yes, but the table is not stable over time</li> <li>3. <input type="checkbox"/> No</li> </ol>
242.	<p><b>Are the units of measure used in collecting [LIVESTOCK] data compliant with international standards?</b> <i>(typically hectares for agriculture area; tons or kilograms for quantities)</i> [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> </ol>
243.	<p><b>IF [2,3] to previous question</b> <b>Is conversion of unit of measures done in accordance to established and fixed conversion table(s)?</b> [single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, the table(s) are well-established and publicly available</li> <li>2. <input type="checkbox"/> Yes, but the table(s) are not stable over time</li> <li>3. <input type="checkbox"/> No</li> </ol>

244.	<p><b>In case of (almost) regular production of [LIVESTOCK] statistics over the last 5 years, to what extent are they comparable over time?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Fully comparable</li> <li>2. <input type="checkbox"/> Partially comparable</li> <li>3. <input type="checkbox"/> Not comparable because of a break in the time series. Please explain the reason for the break:</li> <li>4. <input type="checkbox"/> Not applicable (no regular production of [LIVESTOCK] statistics over the last 5 years or comparability over time not assessed)</li> </ol>
245.	<p><b>Are [LIVESTOCK] statistics comparable for geographical subsets (districts, provinces, etc.) of the country?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Yes, fully</li> <li>2. <input type="checkbox"/> Yes, partially</li> <li>3. <input type="checkbox"/> No</li> <li>4. <input type="checkbox"/> Not Applicable ([LIVESTOCK] statistics refer only to the whole country and no statistics are produced for geographical sub-domains)</li> </ol>

### IV.3.6. Managing the Metadata

UN NQAF Level D – Managing statistical outputs, Principle 19 Managing Metadata

246.	<p><b>Do you have a metadata management system for [LIVESTOCK] statistics or for all the statistics produced and disseminated by your Agency?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li>1. <input type="checkbox"/> Yes, it is fully operative</li><li>2. <input type="checkbox"/> Yes, it is partially operative</li><li>3. <input type="checkbox"/> No</li></ol>
247.	<p><b>IF “Yes” to the previous question</b></p> <p><b>Is the metadata management system in line with international standards (like SDMX, DDI, etc.)?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li>1. <input type="checkbox"/> Yes, fully</li><li>2. <input type="checkbox"/> Yes, partially</li><li>3. <input type="checkbox"/> No</li></ol>
248.	<p><b>Are procedures in place to ensure that metadata on [LIVESTOCK] are documented according to standardized metadata systems and regularly updated?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li>1. <input type="checkbox"/> Yes, on a regular basis</li><li>2. <input type="checkbox"/> Yes, but not on a regular basis</li><li>3. <input type="checkbox"/> No</li></ol>
249.	<p><b>Are updates of metadata on [LIVESTOCK] statistics disseminated at the same time of [LIVESTOCK] statistics themselves?</b></p> <p>[single choice]</p> <ol style="list-style-type: none"><li>1. <input type="checkbox"/> Yes, all the metadata</li><li>2. <input type="checkbox"/> Yes, but only a subset of relevant metadata is updated and disseminated together with the data</li><li>3. <input type="checkbox"/> No</li></ol>