



Food and Agriculture Organization
of the United Nations

Virtual training on SDG indicator 2.4.1, "Proportion of Agricultural Area under Productive and Sustainable Agriculture"

[FAO SDG 2.4.1 data collection questionnaire](#)

6-9 June 2022

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FAO Statistics Division (ESS)



OVERVIEW

- The FAO SDG 2.4.1 questionnaire (in Excel format) is the key instrument using which FAO collects data from countries on SDG indicator 2.4.1
- It covers the 3 dimensions and the 11 sub-indicators that are needed to calculate the 2.4.1 indicator
- Being dispatched annually, although the periodicity for the 2.4.1 indicator is three years, it allows to:
 - ✓ Monitor the availability of data on annual basis
 - ✓ Identify changes and get the data points through the years
 - ✓ Assess country needs in terms of capacity development
 - ✓ Confirm national focal point contacts for the indicator

ACTIVITIES

The questionnaire was tested in 45 countries (Pilot phase – from December 2019 to April 2020)

It has been translated into 4 official UN languages (Arabic, French, Russian and Spanish)

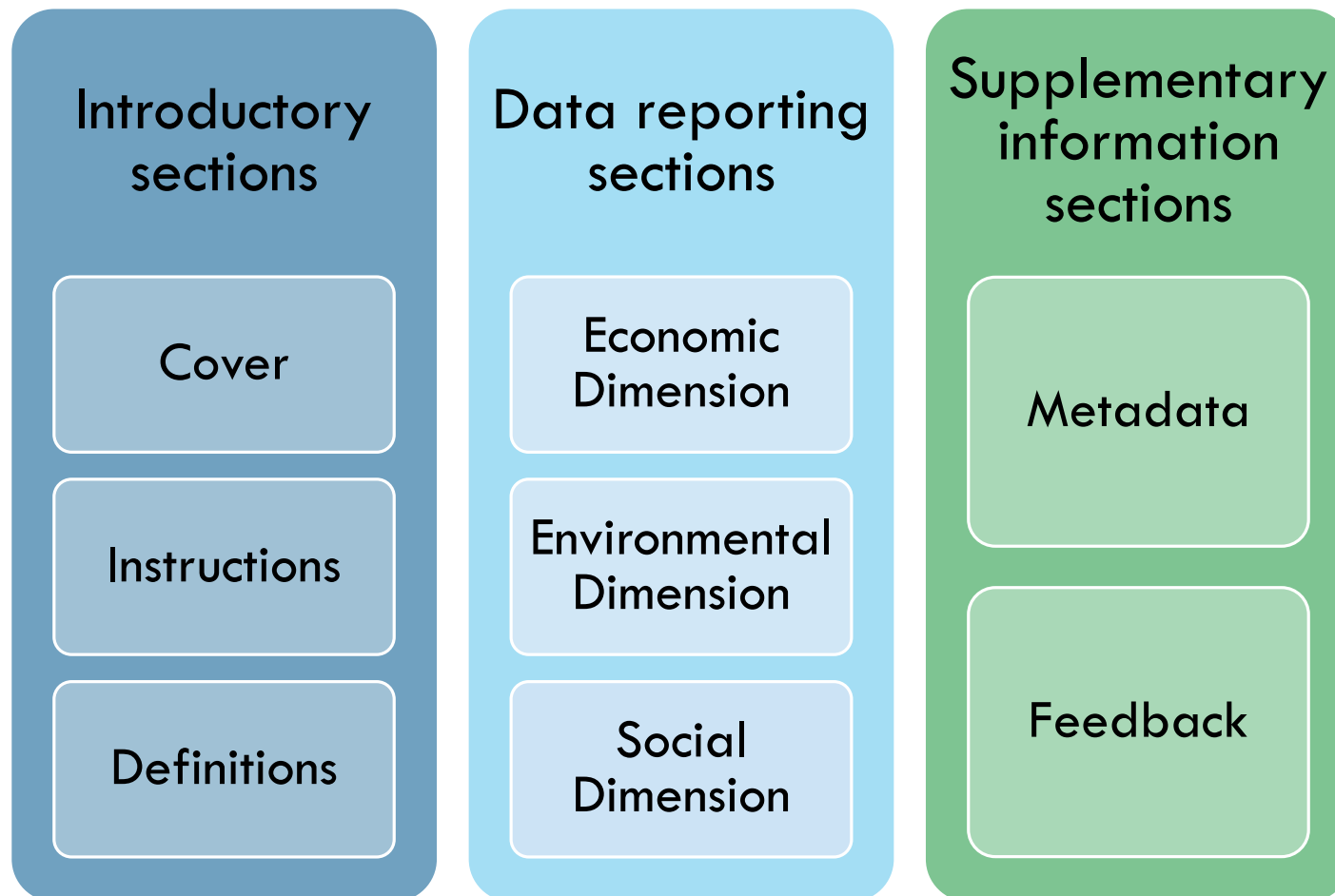
It was sent as part of the first official dispatch on August 10th 2020 to 195 countries

Improved layout for the following comprehensive dispatch

It was sent as part of the second official dispatch on August 16th 2021 to 195 countries

QUESTIONNAIRE COMPOSITION

The FAO SDG 2.4.1 questionnaire is composed of 8 worksheets



QUESTIONNAIRE PREVIEW



Food and Agriculture Organization
of the United Nations

2022 QUESTIONNAIRE

SDG INDICATOR 2.4.1 - PROPORTION OF AGRICULTURAL AREA UNDER PRODUCTIVE AND SUSTAINABLE AGRICULTURE

Country: _country_ - Reference: calendar years from _from_ to _to_

Unit of measurement: Percentage agriculture area in hectares (%)

Purpose of the questionnaire

This questionnaire is designed to collect national data on the 11 sub-indicators of SDG indicator 2.4.1. This information is instrumental to monitor the sustainable agriculture at the national, regional and global level. The names and definitions of categories used in this questionnaire are aligned with the System of Environmental-Economic Accounting (SEEA) and also use some definitions of the World Census of Agriculture 2020 (WCA) and other classifications and standards. **The data are disseminated at: <http://faostat.fao.org>**

Please complete or update the contact details of the national focal point responsible for this questionnaire in your country.

National Focal Point	
Salutation (e.g. Mr/Ms)	
Name	
Title	
Administration and Office	
Address	
City	
Email	
Tel	
Fax	
Web site address	

Structure

This questionnaire is composed of:

One introductory sections (Cover page, Instructions and Definitions),

Three data reporting sections (1. Economic Dimension, 2. Environmental Dimension, 3. Social Dimension)

Two supplementary information sections (4. Metadata and 5. Feedback)

We kindly request you to provide a reply by: 18 July, 2022

FAO takes this opportunity to thank You and Your Government for the assistance in completing this questionnaire, and looks forward to receiving your prompt reply.

Please send back your response to FAO Statistics Division (via e-mail at: SDG241-Indicator@fao.org, or via regular mail at: FAO Statistics Division, Viale delle Terme di Caracalla, 00153, Rome, Italy), or via the FAO Representative Office relevant for your country: _return_to_ .

Contact person: Mr. Francesco Nicola Tubiello, email: Francesco.Tubiello@fao.org and Mr. Arbab Asfandiyar Khan, e-mail: arbab.khan@fao.org



COVER PAGE

- Country-specific information
- National focal point contact details

Introductory sections

Cover

Instructions

Definitions

Data reporting sections

Economic Dimension

Environmental Dimension

Social Dimension

Supplementary information sections

Metadata

Feedback

FILLING THE COVER PAGE

Fill this column with the national focal point contact details, even if this has already been communicated to FAO

National Focal Point	
Salutation (e.g. Mr/Ms)	
Name	
Title	
Administration and Office	
Address	
City	
Email	
Tel	
Fax	
Web site address	

Missing Focal Point Name

A → Acknowledgment
Y → Questionnaire sent back
N → No answer

INFORMATION ON 2.4.1 FOCAL POINTS (1/2)

Country	FP institution	Response	
		2020	2021

Missing Focal Point Name

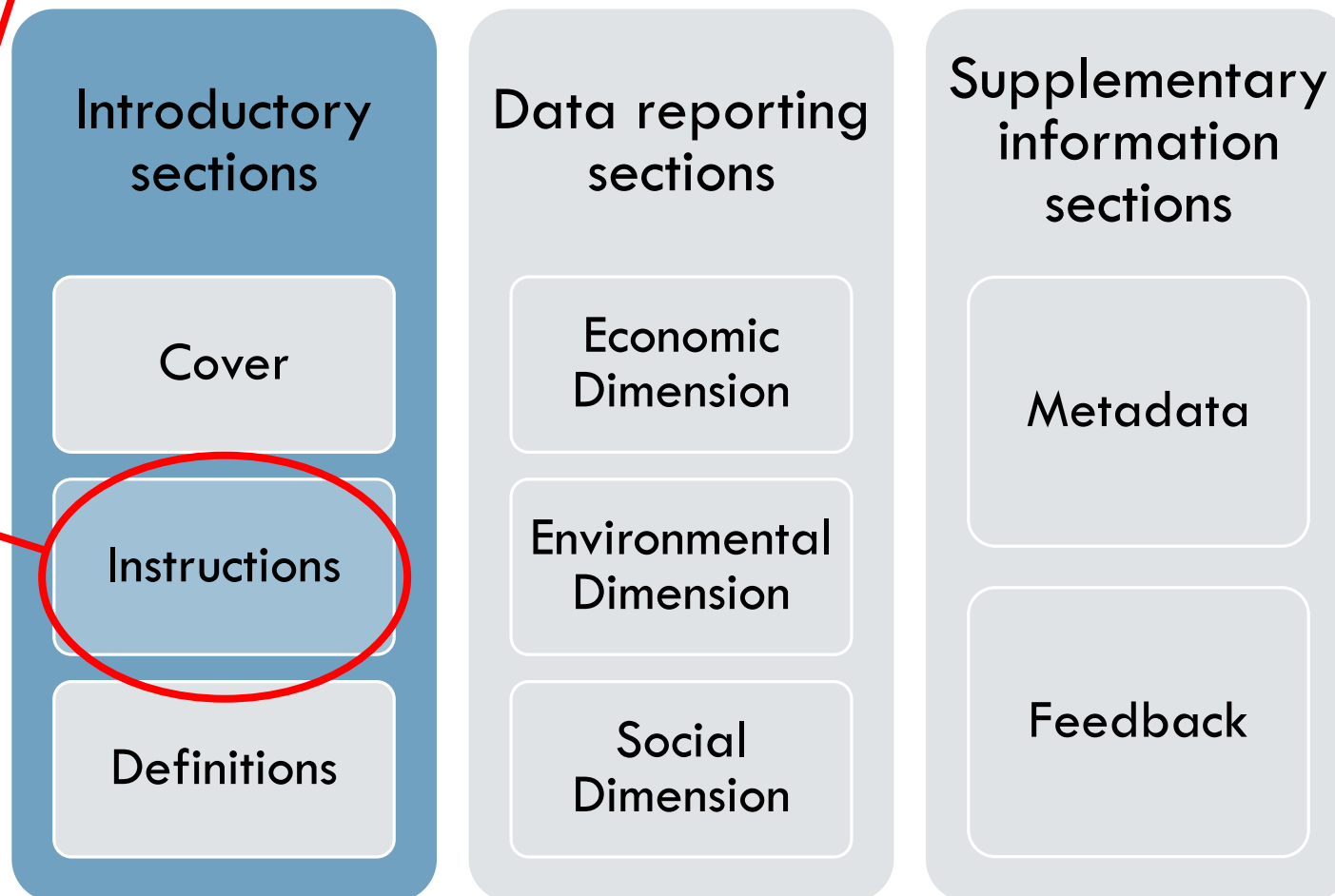
A → Acknowledgment
Y → Questionnaire sent back
N → No answer

INFORMATION ON 2.4.1 FOCAL POINTS (2/2)

Country	FP institution	Response	
		2020	2021

INSTRUCTIONS PAGE

- General instructions on how to complete the questionnaire
- Overview of the questionnaire structure



INSTRUCTIONS PAGE PREVIEW



INSTRUCTIONS

General Instructions

International standards and classifications	This questionnaire reflects SDG Indicator 2.4.1 Methodology (http://www.fao.org/3/ca7154en/ca7154en.pdf). Definitions and classifications are aligned with the System of Environmental-Economic Accounting (SEEA) (https://seea.un.org/) and also uses some definitions of the World Census of Agriculture 2020, Volume 1 (WCA) (http://www.fao.org/world-census-agriculture). Kindly refer, where possible, to the classification of temporary and permanent crops provided by these classifications.
Calendar year	Kindly report your data with reference to the calendar year (January to December) indicated by column. If data are available for year(s) different from those specified, enter data but include an explanation under the "Notes" Column.
Units	Data are to be expressed in hectares. If data are reported in a different unit of measurement, please indicate it in the 'NOTES' column.
Notation keys	<p>If no value can be reported, please use the following notation keys to kindly specify the reason:</p> <p>C Confidential information.</p> <p>IE Included elsewhere. Please specify in 'notes' under which category or cell these data are included.</p> <p>NA Not Available when currently data are not available on the sub-indicator(s) for your country</p> <p>: Not Applicable. In case the sub-indicator is not applicable or not relevant in your country context, the sub-indicator will be treated as 100% green (unless specified differently in the notes)</p>
Comments and additional information	Please include any relevant information in the notes column available in each section. Relevant information may refer to differences in, among others: land use classification, definitions and methodologies, reference year, units used for data collection, status of reported data (e.g., preliminary, forecast), etc.
Electronic version	This questionnaire is provided in .xlsx format. The preferred option is to have it completed in this electronic version and returned by email.

Structure of the questionnaire

Cover	Collects the contact details of the national focal point responsible for SDGs and provides the FAO contact details for sending the completed questionnaire or requesting information.
Instructions	Provides general instructions on how to complete the questionnaire as well as an overview of its structure (this page). Users are kindly asked to read these instructions before filling in the questionnaire.
Definitions	Provides definitions of the categories used in the questionnaire and their correspondence with other international standards.
1. Economic Dimension	Collects data on 3 sub-indicators in the economic dimension (Farm output value per hectare, Net Farm Income, and Risk mitigation mechanisms).
2. Environmental Dimension	Collects data on 5 sub-indicators in the environmental dimension (Prevalence of soil degradation, Variation in water availability, Management of fertilizers, Management of pesticides and Use of agro-biodiversity supportive practices)
3. Social Dimension	Collects data on 3 sub-indicators in the social dimension (Wage rate in agriculture, Food Insecurity Experience Scale, Secure tenure rights to land)
4. Metadata	Collects metadata on completeness (country coverage), source of the data, original unit of measurement, frequency of data collection and dissemination media.
5. Feedback	Contains a simple survey that will help FAO to assess the quality of the questionnaire and understand what areas may need improvements. Respondents are also encouraged to provide in this section any suggestions.

DEFINITIONS PAGE

- Definitions of the key concepts and terms used in the questionnaire
- International standards used

Introductory sections

Cover

Instructions

Definitions

Data reporting sections

Economic Dimension

Environmental Dimension

Social Dimension

Supplementary information sections

Metadata

Feedback

DEFINITIONS PAGE PREVIEW



DEFINITIONS

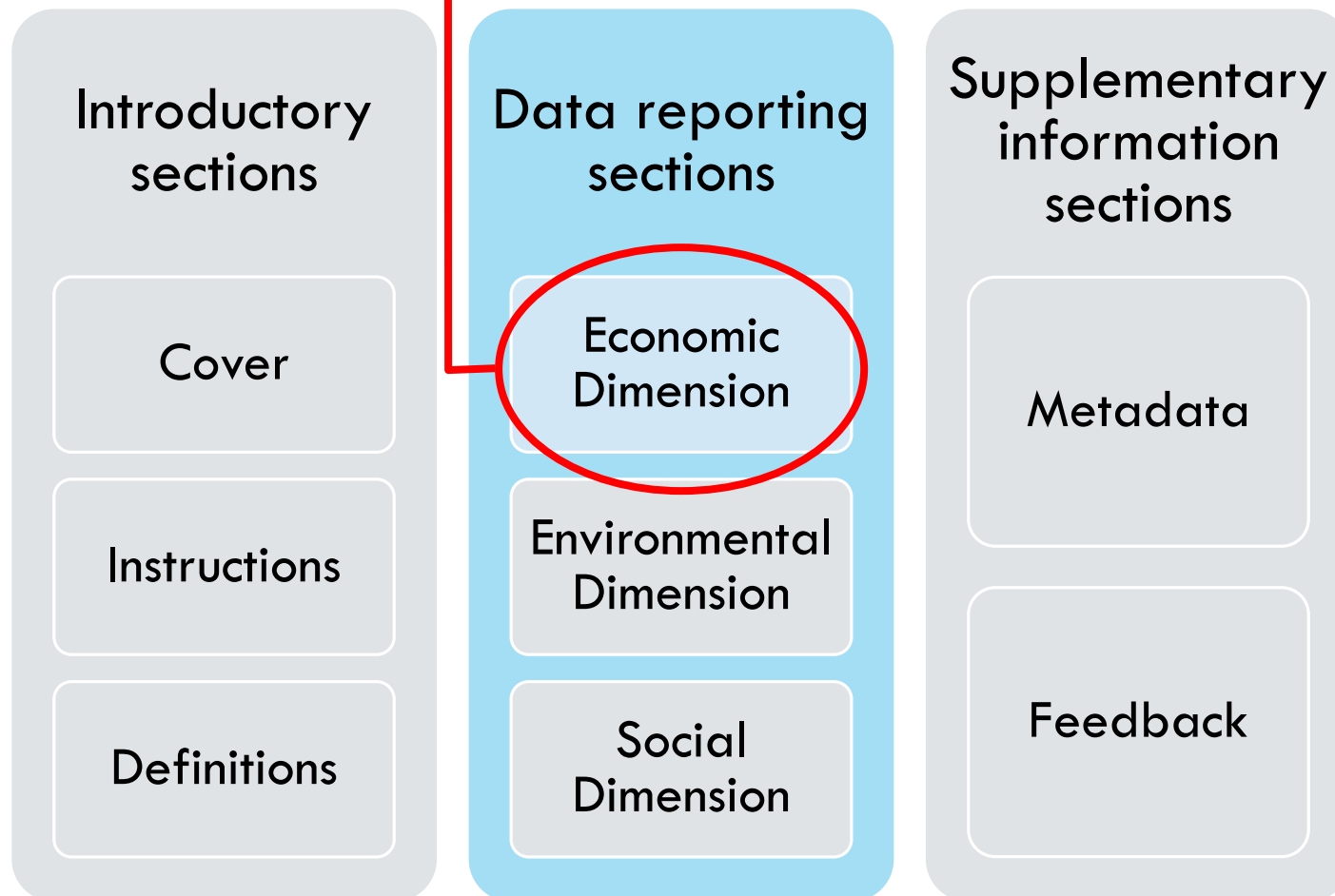
1. DEFINITIONS OF CATEGORIES

Definitions of categories in this questionnaire and their FAO coding system are provided below, together with their correspondence to SEEA, WCA and other classifications

CATEGORY	DEFINITION	FAO	SEEA	WCA	Metadata
Denominator of indicator					
Agriculture	The total of areas under "Land under temporary crops", "Land under temporary meadows and pastures", "Land with temporary fallow", "Land under permanent crops", "Land under permanent meadows and pastures", and "Land under protective cover". This category includes tilled and fallow land, and naturally grown permanent meadows and pastures used for grazing, animal feeding or agricultural purpose. Scattered land under farm buildings, yards and their annexes, and permanently uncultivated land, such as uncultivated patches, banks, footpaths, ditches, headlands and shoulders are traditionally included.	6602	1.1 (1.1.1 - 1.1.6)	LU 1 - 6	Cropland Grassland
Agricultural land	Land used for cultivation of crops and animal husbandry. The total of areas under "Cropland" and "Permanent meadows and pastures."	6610	1.1.1 - 1.1.5	LU 1 - 5	Cropland Grassland
Cropland	Land used for cultivation of crops. The total of areas under "Arable land" and "Permanent crops".	6620	1.1.1 - 1.1.4	LU 1 - 4	Cropland
Arable land	The total of areas under temporary crops, temporary meadows and pastures, and land with temporary fallow. Arable land does not include land that is potentially cultivable but is not normally cultivated.	6621	1.1.1 - 1.1.3	LU 1 - 3	Cropland
Land under temporary crops	Land used for crops with a less-than-one-year growing cycle, which must be newly sown or planted for further production after the harvest. Some crops that remain in the field for more than one year may also be considered as temporary crops e.g., asparagus, strawberries, pineapples, bananas and sugar cane. Multiple-cropped areas are counted only once.	6630	1.1.1	LU 1	Cropland
Land under temporary meadows and pastures	Land temporarily cultivated with herbaceous forage crops for mowing or pasture. A period of less than five years is used to differentiate between temporary and permanent meadows and pastures.	6633	1.1.2	LU 2	Cropland
Land with temporary fallow	Land that is not seeded for one or more growing seasons. The maximum idle period is usually less than five years. This land may be in the form sown for the exclusive production of green manure. Land remaining fallow for too long may acquire characteristics requiring it to be reclassified, as for instance "Permanent meadows and pastures" if used for grazing or haying.	6640	1.1.3	LU 3	Cropland
Land under permanent crops	Land cultivated with long-term crops which do not have to be replanted for several years (such as cocoa and coffee), land under trees and shrubs producing flowers (such as roses and jasmine), and nurseries (except those for forest trees, which should be classified under "Forestry"). Permanent meadows and pastures are excluded from land under permanent crops.	6650	1.1.4	LU 4	Cropland
Land under permanent meadows and pastures	Land used permanently (five years or more) to grow herbaceous forage crops through cultivation or naturally (wild prairie or grazing land). Permanent meadows and pastures on which trees and shrubs are grown should be recorded under this heading only if the growing of forage crops is the most important use of the area. Measures may be taken to keep or increase productivity of the land (i.e., use of fertilizers, mowing or systematic grazing by domestic animals.) This class includes: <ul style="list-style-type: none"> • Grazing in wooded areas (agroforestry areas, for example) • Grazing in shrubby zones (heath, maquis, garigue) • Grassland in the plain or low mountain areas used for grazing; land crossed during transhumance where the animals spend a part of the year (approximately 100 days) without returning to the holding in the evening; mountain and subalpine meadows and similar; and steppes and dry meadows used for pasture. 	6655	1.1.5	LU 5	Grassland
Permanent meadows and pastures - Cultivated	Land under "Permanent meadows and pastures" that is managed and cultivated.	6656	1.1.5.1	LU 5	Grassland
Permanent meadows and pastures - Naturally growing	Land under "Permanent meadows and pastures" that is naturally growing.	6659	1.1.5.2	LU 5	Grassland
Land under protective cover	Land used for agriculture occupied by dwellings on farms, etc.: dwellings, operating buildings (hangars, barns, cellars, greenhouses, silos), buildings for animal production (stables, cowsheds, pig sheds, sheep pens, poultry yards), family gardens, farmyards. Excludes buildings for agro-food manufacture and buildings in rural areas for exclusive residential purpose.	6649	1.1.6	LU 6	Cropland Settlements
Forestry	Land used for forestry. Excludes land that is predominantly under agricultural or urban use.	6663	1.2	LU 7	Forest Land
	Land spanning more than 0.5 hectares with trees higher than 5 metres and a canopy cover of more than 10 per cent, or trees able to reach these thresholds in situ. Excludes land that is predominantly under agricultural or urban land use, and land that is predominantly used for maintenance and				

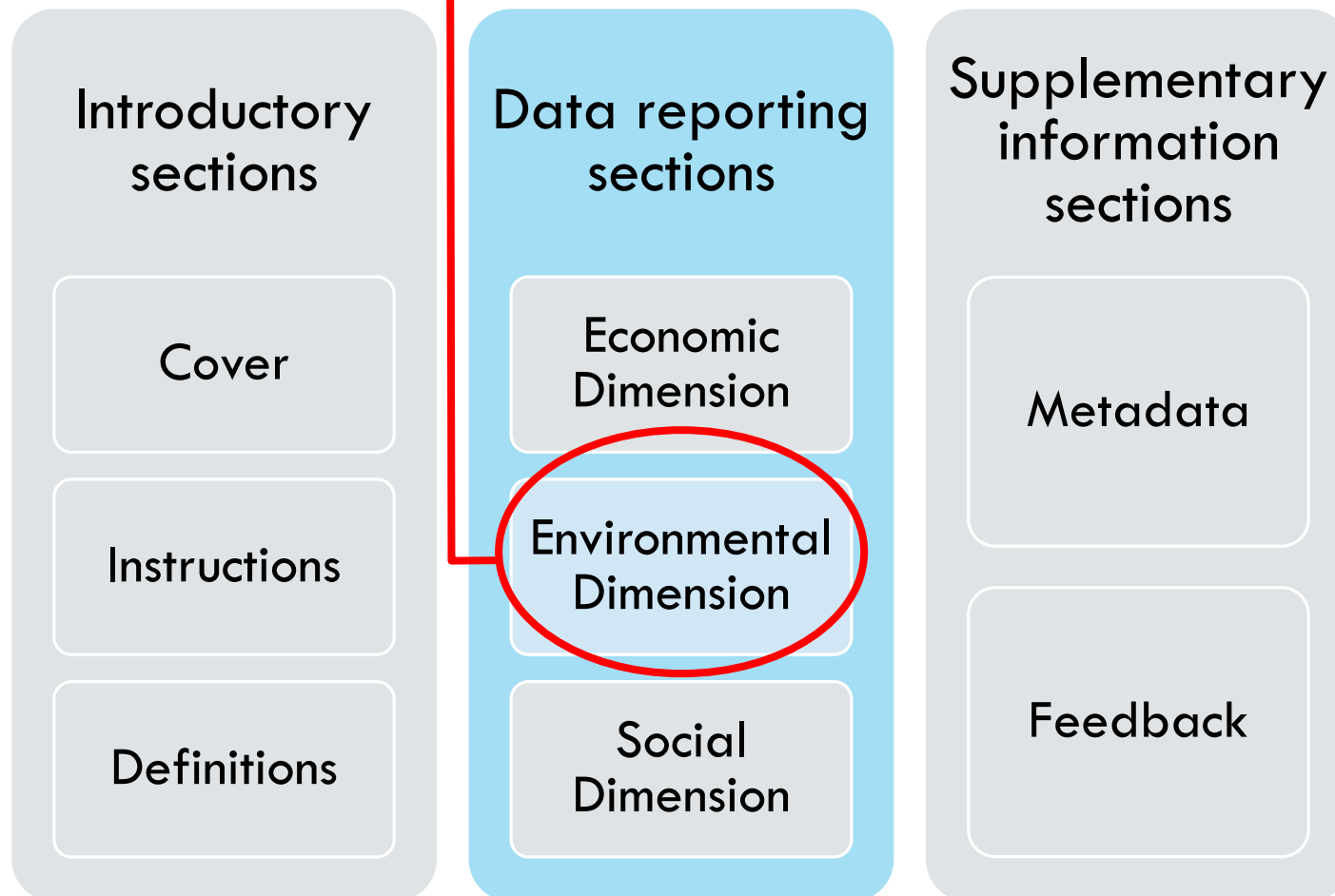
DATA REPORTING SECTION - ECONOMIC

- Collects data on 3 sub-indicators in the economic dimension



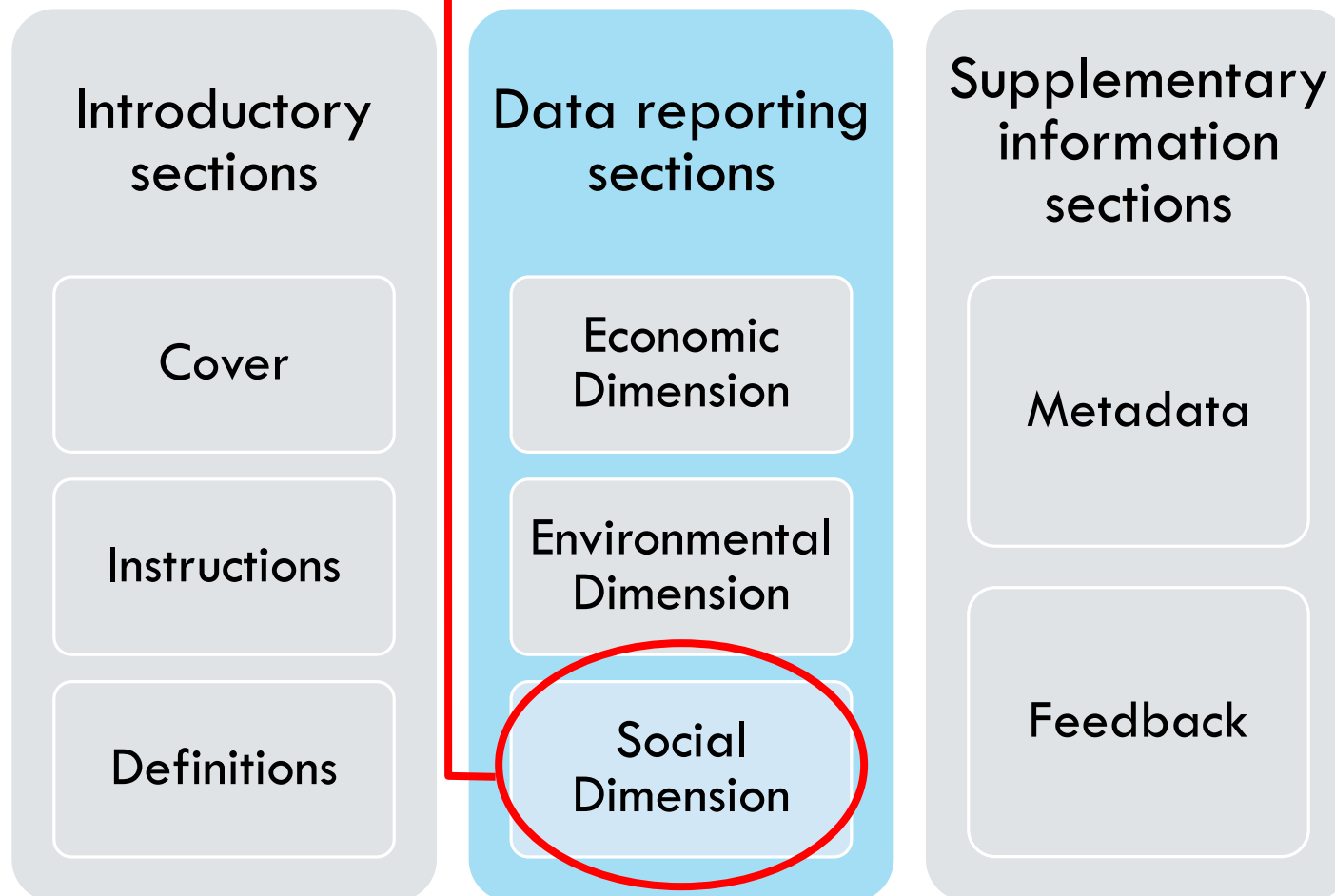
DATA REPORTING SECTION - ENVIRONMENTAL

- Collects data on 5 sub-indicators in the environmental dimension



DATA REPORTING SECTION - ECONOMIC

- Collects data on 3 sub-indicators in the social dimension



DATA REPORTING SECTION - PREVIEW

Sub-indicators	Sustainability Status http://www.fao.org/3/ca7154en/ca7154en.pdf	UNIT	2019	2020	2021	Notes
value per hectare (All farm types)						
Sub-indicator value is $\geq 2/3$ of the corresponding 90th percentile	Desirable	Hectares				
Sub-indicator value is $\geq 1/3$ and $< 2/3$ of the corresponding 90th percentile	Acceptable	Hectares				
Sub-indicator value is $< 1/3$ of the corresponding 90th percentile	Unsustainable	Hectares				
Total Agriculture Land Area	Sum of desirable, acceptable and unsustainable	Hectares				
ome (All farm types)						
Sub-indicator value is above zero for past 3 consecutive years	Desirable	Hectares				
Sub-indicator value is above zero for at least 1 of the past 3 consecutive years	Acceptable	Hectares				
Sub-indicator value is below zero for the past 3 consecutive years	Unsustainable	Hectares				
Total Agriculture Land Area	Sum of desirable, acceptable and unsustainable	Hectares				
on Mechanisms (All farm types)						
Access to or availed at least two of the below listed mitigation mechanisms: • Access to or availed credit. • Access to or availed insurance. • On farm diversification (share of a single agricultural commodity not greater than 66% in the total value of production of the holding).	Desirable	Hectares				
Access to or availed at least one of the above-listed mitigation mechanisms.	Acceptable	Hectares				
No access to the above-listed mitigation mechanisms.	Unsustainable	Hectares				
Total Agriculture Land Area	Sum of desirable, acceptable and unsustainable	Hectares				

FILLING THE DATA REPORTING SECTIONS (1/3)

These columns (2019 and 2020) are pre-filled by FAO with the **VALUES** that your country has provided in the 2020 and 2021 dispatches

Sub-indicators	Sustainability Status http://www.fao.org/3/ca7154en/ca7154en.pdf	UNIT	2019	2020	2021	Notes
1: Farm output value per hectare (All farm types)						
Sub-indicator value is $\geq 2/3$ of the corresponding 90th percentile	Desirable	Hectares				
Sub-indicator value is $\geq 1/3$ and $< 2/3$ of the corresponding 90th percentile	Acceptable	Hectares				
Sub-indicator value is $< 1/3$ of the corresponding 90th percentile	Unsustainable	Hectares				
Total Agriculture Land Area	Sum of desirable, acceptable and unsustainable	Hectares				

FILLING THE DATA REPORTING SECTIONS (2/3)

Fill the "2021" column. Insert:

- The **value** available in your country for the 2021

Or, if there are no data available in your country on a certain sub-indicator, please report:

NA (Not Available) – Use “NA” when currently data are not available on the sub-indicator(s) for your country

: (Not Applicable) – Use “:” in case the sub-indicator is not applicable or not relevant in your country context. In this case, the sub-indicator will be treated as 100% green (unless specified differently in the notes)

Sub-indicators	Sustainability Status http://www.fao.org/3/ca7154en/ca7154en.pdf	UNIT	2019	2020	2021	Notes
1: Farm output value per hectare (All farm types)						
Sub-indicator value is $\geq 2/3$ of the corresponding 90th percentile	Desirable	Hectares				
Sub-indicator value is $\geq 1/3$ and $< 2/3$ of the corresponding 90th percentile	Acceptable	Hectares				
Sub-indicator value is $< 1/3$ of the corresponding 90th percentile	Unsustainable	Hectares				
Total Agriculture Land Area	Sum of desirable, acceptable and unsustainable	Hectares				

FILLING THE DATA REPORTING SECTIONS (3/3)

Fill the “Notes” column:

- If data for a specific sub-indicator are reported using national definitions
- If your data reference to the calendar year different from January to December
- If there were any changes in the pre-filled columns (2019 and 2020)

KINDLY do not write in “notes” any value.

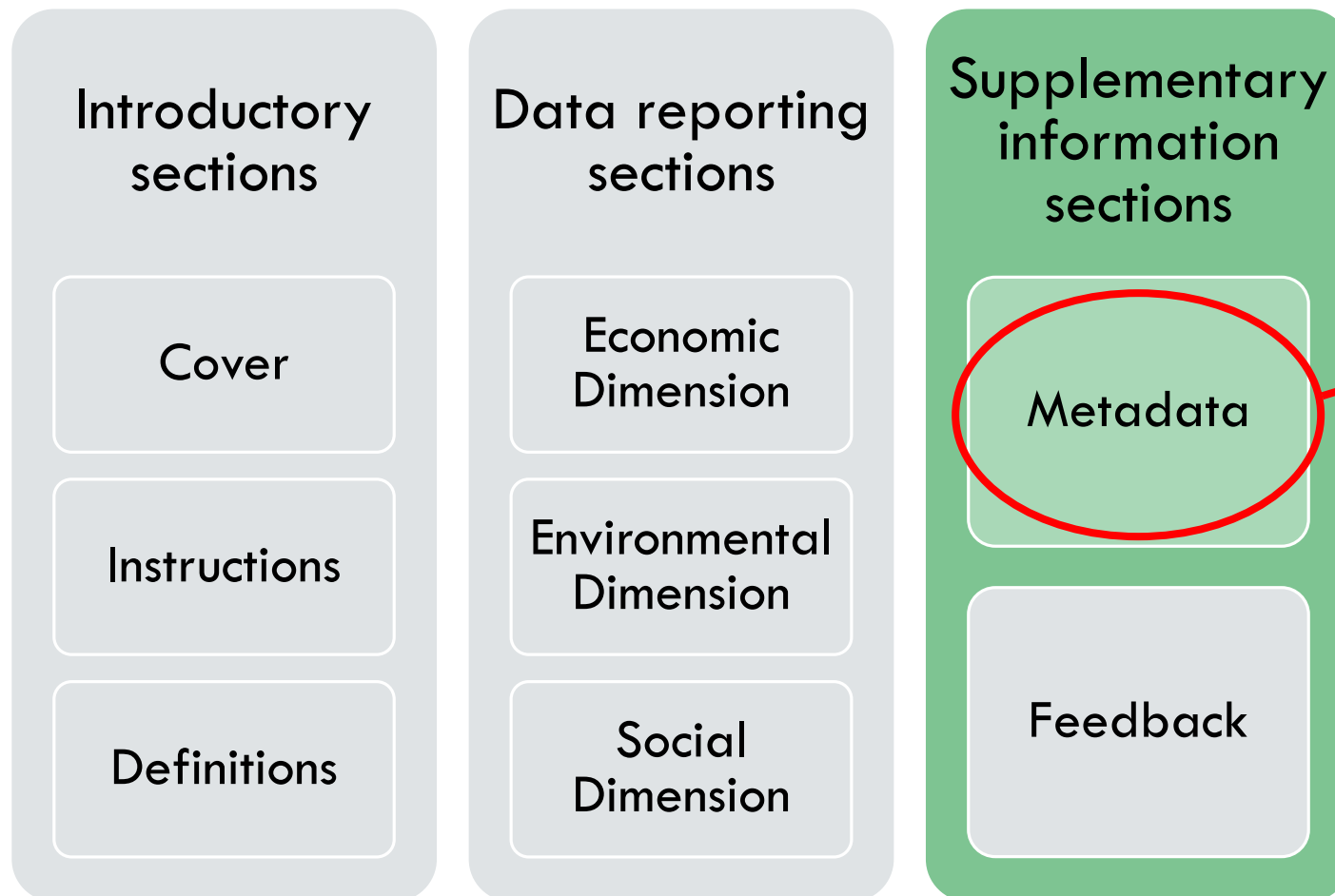
Sub-indicators	Sustainability Status http://www.fao.org/3/ca7154en/ca7154en.pdf	UNIT	2019	2020	2021	Notes
1: Farm output value per hectare (All farm types)						
Sub-indicator value is $\geq 2/3$ of the corresponding 90th percentile	Desirable	Hectares				
Sub-indicator value is $\geq 1/3$ and $< 2/3$ of the corresponding 90th percentile	Acceptable	Hectares				
Sub-indicator value is $< 1/3$ of the corresponding 90th percentile	Unsustainable	Hectares				
Total Agriculture Land Area	Sum of desirable, acceptable and unsustainable	Hectares				



PLEASE do not modify the “unit” column

METADATA PAGE

Collects metadata on completeness (country coverage), source of the data, unit of measurement, frequency of data collection and dissemination media



METADATA PAGE PREVIEW



Detailed information about the variables that compose the 11 sub-indicators

4. Metadata

Agricultural area

S.No.	Variables	Type of variable	Availability (Yes/No)	Unit of measure	Data source	Frequency	Latest year of Observation	Length of time series	Coverage	Unit of investigation	Notes
1	Denominator of the 11 sub-indicators: Agricultural land area of the holding	Numeric									

1: Farm output value per hectare

S.No.	Variables	Type of variable	Availability (Yes/No)	Unit of measure	Data source	Frequency	Latest year of Observation	Length of time series	Coverage	Unit of investigation	Notes
A Total Output Value of the holding											
1	Value of output of crops and its by-products produced on the holding	Monetary units									
2	Value of output of livestock and its products produced on the holding	Monetary units									
3	Value of output of other on-farm products produced on the holding	Monetary units									

2: Net Farm Income

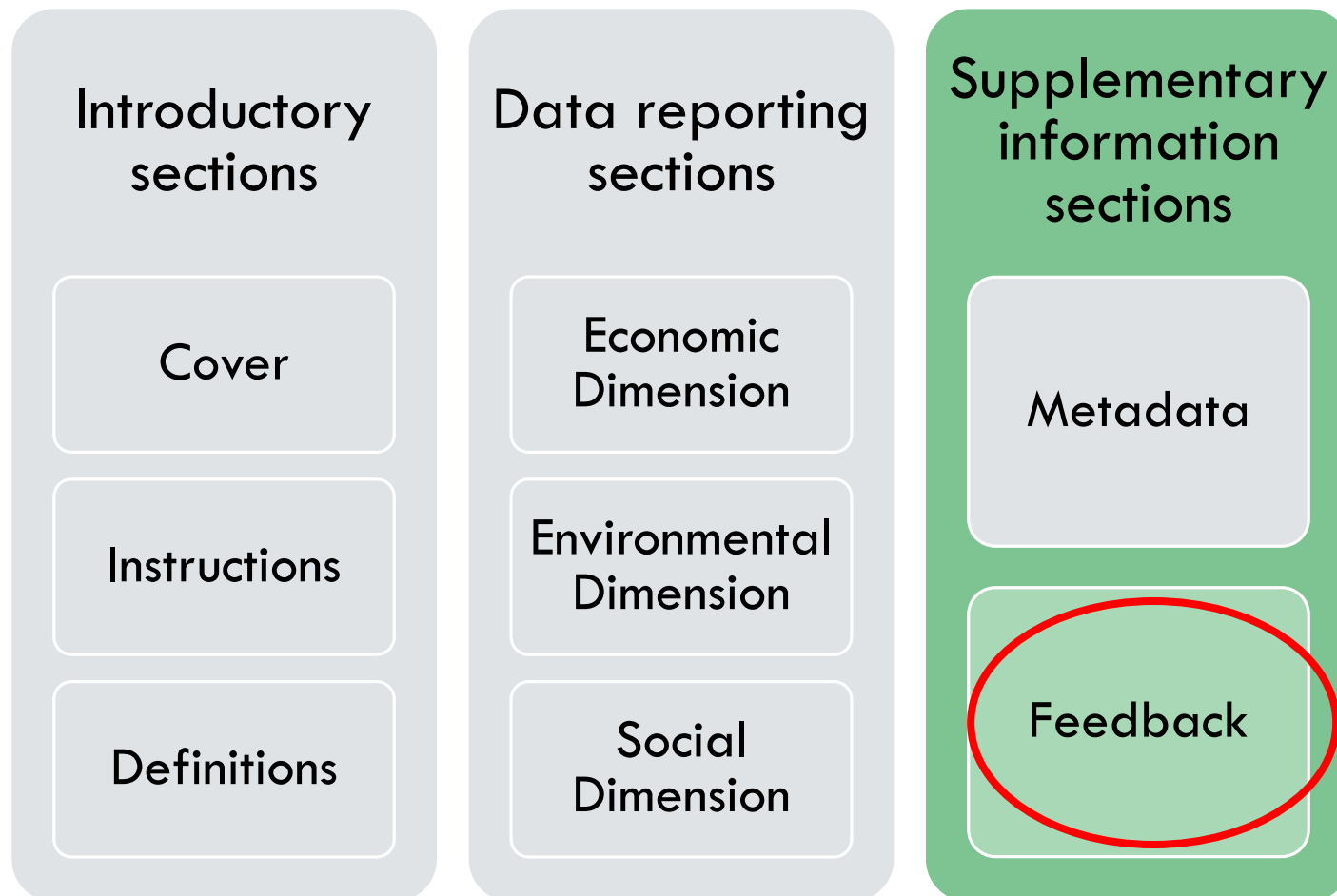
S.No.	Variables	Type of variable	Availability (Yes/No)	Unit of measure	Data source	Frequency	Latest year of Observation	Length of time series	Coverage	Unit of investigation	Notes
Method 1 (recommended):											
1	Value of output of crops and its by-products produced on the holding	Monetary units									
2	Value of output of livestock and its products produced on the holding	Monetary units									
3	Value of output of other on-farm products produced on the holding	Monetary units									
4	Value of inputs used by the farm to produce crops, livestock and other products	Monetary units									

Method 2 (Respondent declaration as to how many times the agriculture holding was profitable in last 3 consecutive calendar years) where profitable means that revenues of the holdings were higher than input costs:

S.No.	Variables	Type of variable	Availability (Yes/No)	Unit of measure	Data source	Frequency	Latest year of Observation	Length of time series	Coverage	Unit of investigation	Notes
	Farmer declaration, if the Agriculture Holding was profitable	Categorical									

FEEDBACK PAGE

Comprises of a simple survey that helps FAO assess the quality of questionnaire and understand what areas still need improvements, with blank space to provide suggestions



FEEDBACK PAGE PREVIEW

9 short questions (of which 5 open-ended)



5. FEEDBACK

This section contains a short survey that will help FAO to assess the quality of the questionnaire and identify areas for improvement. We thank you in advance for your cooperation.

<p>1. The questionnaire was initially addressed to the right person</p>	<p style="text-align: center;">Strongly agree Agree Partially agree Disagree Strongly disagree</p> <p>Please type "X" in the relevant box:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> </tr> </table>						<p>Please specify:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 100%; height: 20px;"></td> </tr> </table>		<p>6. Please specify approximately how long it took to complete the questionnaire</p>	
<p>2. The questionnaire is logically structured and contains clear instructions for its completion</p>	<p style="text-align: center;">Strongly agree Agree Partially agree Disagree Strongly disagree</p> <p>Please type "X" in the relevant box:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> </tr> </table>						<p>Please specify:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 100%; height: 20px;"></td> </tr> </table>		<p>7. How many people in your organization were involved in the questionnaire completion?</p>	
<p>3. All definitions are clearly and correctly provided</p>	<p style="text-align: center;">Strongly agree Agree Partially agree Disagree Strongly disagree</p> <p>Please type "X" in the relevant box:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> </tr> </table>						<p>Please specify:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 100%; height: 20px;"></td> </tr> </table>		<p>8. How many organizations/ministries were involved in the questionnaire completion?</p>	
<p>4. The support documents related to 241 have been read before filling in this questionnaire</p>	<p style="text-align: center;">Strongly agree Agree Partially agree Disagree Strongly disagree</p> <p>Please type "X" in the relevant box:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> </tr> </table>						<p>Please specify:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 100%; height: 20px;"></td> </tr> </table>		<p>9. Please indicate any section or part that you found difficult to complete and why</p>	
<p>5. The time and effort required to fill the questionnaire was reasonable given the questionnaire objectives</p>	<p style="text-align: center;">Strongly agree Agree Partially agree Disagree Strongly disagree</p> <p>Please type "X" in the relevant box:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> <td style="border: 1px solid black; width: 15%; height: 20px;"></td> </tr> </table>						<p>Please specify:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 100%; height: 20px;"></td> </tr> </table>		<p>Additional suggestions:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 100%; height: 20px;"></td> </tr> </table>	

THANK YOU

Contact us:

SDG241-Indicator@fao.org