

SDG Metadata Authoring Tool Template

Word Version 3.1 (DRAFT)

Main and Detailed Concept Collection Form

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Instructions

This is a template for providing metadata for SDG indicators. The tables listed below use the SDMX Metadata Concepts prepared by the SDG SDMX Working Group of the IAEG-SDGs to provide a standard format for your metadata. This enables more efficient and accurate processing.

Both national and global metadata can be submitted using this tool. Headers, text, bullets, tables, formulas, and images can be cut and pasted into their corresponding cell without additional formatting.¹ [Mapping](#) of the IAEG-SDG metadata file format to SDMX metadata concepts is also provided.

Use only the metadata concepts provided. Do not add additional metadata concepts. Only the SDMX Metadata Concepts will be read by our automation tool. If you are not sure where to put metadata within the existing SDMX Metadata Concepts, see the [descriptions](#) provided or contact [INSERT].

Submit one set of tables for each SDG indicator metadata file. Files should be emailed to [INSERT].

¹ To insert a table within a template cell, copy your table; insert cursor into the template cell; right click, select Paste Options, choose Nested Table (first option). Insert formulas as text or images. Do not use equation editor.

Metadata Attachment

Reporting type

National

SDG series

2.5.1 Number of local breeds for which sufficient genetic resources are stored for reconstitution [2.5.1]

Reference area

Bangladesh

Metadata language

English

[Import Data Structure Definition](#)

To update the options in the dropdowns according to your SDMX DSD, click the button below:

Import SDMX DSD

Metadata Submission Form

0. Indicator information

| Concept name | <i>Insert text, lists, tables, and images.</i> |
|--------------------------|---|
| 0. Indicator information | |
| 0.a. Goal | Goal 2: End hunger, achieve food security and improved nutrition, and promote sustainable agriculture |
| 0.b. Target | 2.5 by 2020 maintain genetic diversity of seeds, cultivated plants, farmed and domesticated animals and their related wild species, including through soundly managed and diversified seed and plant banks at national, regional and international levels, and ensure access to and fair and equitable sharing of benefits arising from the utilization of genetic resources and associated traditional knowledge as internationally agreed |
| 0.c. Indicator | 2.5.1 Number of local breeds for which sufficient genetic resources are stored for reconstitution [2.5.1] |
| 0.d. Series | N/A |

| | |
|---|----------------|
| 0.e. Metadata update | July 2018 |
| 0.f. Related indicators | |
| 0.g. International organisations(s) responsible for global monitoring | WorldFish, FAO |

1. Data reporter

| Concept name | <i>Insert text, lists, tables, and images.</i> |
|--------------------------------|--|
| 1. Data reporter | |
| 1.a. Organisation | Bangladesh Fisheries Research Institute |
| 1.b. Contact person(s) | Md. Saiful Islam |
| 1.c. Contact organisation unit | Planning division |
| 1.d. Contact person function | Data Provider |
| 1.e. Contact phone | 8801722910270 |
| 1.f. Contact mail | Md. Saiful Islam, Scientific Officer, Bangladesh Fisheries Research Institute, Mymensingh-2201 |
| 1.g. Contact email | msi.89p@gmail.com |

2. Definition, concepts, and classifications

| Concept name | <i>Insert text, lists, tables, and images.</i> |
|--|--|
| 2. Definition, concepts, and classifications | |
| 2.a. Definition and concepts | <p>The conservation of animal (fish) genetic resources for food and agriculture (GRFA) in medium or long term conservation facilities (<i>ex situ</i>, in gene banks) represents the most trusted means of conserving genetic resources worldwide. Animal GRFA conserved in these facilities can be easily used in breeding programmes as well, even directly on-farm.</p> <p>Concepts: Breed: A breed is either a sub-specific group of domestic livestock with definable and identifiable external characteristics that enable it to be separated by visual appraisal from other similarly defined groups within the same species, or a group for which geographical and/or cultural separation from phenotypically similar groups has led to acceptance of its separate identity.</p> |

| | |
|----------------------|---|
| | Medium or long term conservation facilities: Biological diversity is often conserved <i>ex situ</i> , outside its natural habitat, in facilities called genebanks. In the case of domestic animal diversity, <i>ex situ</i> conservation includes both the maintenance of live animals (<i>in vivo</i>) and cryoconservation. |
| 2.b. Unit of measure | Number of local breeds |
| 2.c. Classifications | T2 |

3. Data source type and data collection method

| Concept name | <i>Insert text, lists, tables, and images.</i> |
|---|---|
| 3. Data source type and collection method | |
| 3.a. Data sources | Monthly and Annual Report and Monitoring report |
| 3.b. Data collection method | Sampling, Laboratory analysis and Surveying |
| 3.c. Data collection calendar | Data is collected throughout the whole year |
| 3.d. Data release calendar | December 2021 December 2022 December 2023 |
| 3.e. Data providers | Bangladesh Fisheries Research Institute |
| 3.f. Data compilers | Bangladesh Fisheries Research Institute |
| 3.g. Institutional mandate | |

4. Other methodological considerations

| Concept name | <i>Insert text, lists, tables, and images.</i> |
|--|---|
| 4. Other methodological considerations | |
| 4.a. Rationale | Genetic resources for food and agriculture provide the building blocks of food security and, directly or indirectly, support the livelihoods of every person on earth. As the conservation and accessibility to these resources are of vital importance, medium- or long- term conservation facilities (genebanks) to preserve and make these resources and their associated information accessible for breeding and research have been established at country, regional and global levels. Inventories of genebank holdings provide a dynamic measure of the existing plant and animal diversity and its level of preservation. Data relevant to this indicator facilitate the monitoring of diversity secured and |

| | |
|--|--|
| | <p>accessible through genebanks and support the development and updating of strategies for the conservation and sustainable use of genetic resources.</p> <p>The indicator is related to a monitoring framework endorsed by the FAO Commission on Genetic Resources for Food and Agriculture in which the status and trends of plant and animal genetic resources are described through globally agreed indicators and regular country-driven assessments.</p> <p>The number of materials conserved under medium- or long-term storage conditions provides an indirect measurement of the total genetic diversity, which are managed to secure for future use. Overall, positive variations are therefore approximated to an increase in the agro-biodiversity secured, while negative variations to a loss of it.</p> |
| 4.b. Comment and limitations | |
| 4.c. Method of computation | <p>For the animal component the indicator is calculated as the number of local breeds with enough genetic material stored within genebank collections allowing to reconstitute the breed in case of extinction (based on the Guidelines on Cryconservation of animal genetic resources, FAO, 2012, http://www.fao.org/docrep/016/i3017e/i3017e00.htm).</p> |
| 4.d. Validation | Validation through field trial. |
| 4.e. Adjustments | |
| 4.f. Treatment of missing values (i) at country level and (ii) at regional level | <ul style="list-style-type: none"> • At country level For animals, for a given breed, if no data are provided for a respective year, it is assumed that the storage status remains the same as for the last year for which data have been reported. In this case the nature of data is considered to be estimated. • At regional and global levels Missing values are treated as such and not replaced by estimates. |
| 4.g. Regional aggregations | Aggregates are the sum of country values. |
| 4.h. Methods and guidance available to countries for the compilation of the data at the national level | Through SDG tracker |
| 4.i. Quality management | <p>Data Collection: Regular based data collection on research area</p> <p>Training: Training for research methodology</p> <p>Workshop: Workshop on research</p> |

| | |
|-------------------------|--|
| 4.j. Quality assurance | Team supervisors were responsible for the daily monitoring of fieldwork. |
| 4.k. Quality assessment | Through Field trial |

5. Data availability and disaggregation

| | |
|---|--|
| Concept name | <i>Insert text, lists, tables, and images.</i> |
| 5. Data availability and disaggregation | Age, sex, salinity, size and migration |

6. Comparability/deviation from international standards

| | |
|---|--|
| Concept name | <i>Insert text, lists, tables, and images.</i> |
| 6. Comparability/deviation from international standards | As of international standards |

7. References and Documentation

| | |
|---------------------------------|--|
| Concept name | <i>Insert text, lists, tables, and images.</i> |
| 7. References and Documentation | Annual report |

Appendices

A. Definitions of Metadata Concepts

0.a. Goal: SDG Goal number and name.

0.b. Target: SDG Target number and name.

0.c. Indicator: SDG Indicator number and name.

0.d. Series: Description of SDG data series.

0.e. Metadata update: The date when this metadata report was last updated.

0.f. Related indicators: Linkages with any other Goals and Targets.

0.g. International organisations(s) responsible for global monitoring: Global reporting: International organizations (departments/offices) responsible for monitoring this indicator at the global level.
Country reporting: This concept has no national counterpart.

1.a. Organisation: Organisation unit information of the contact points for the data or metadata.

1.d. Contact person function: Functional title(s) of the contact points for the data or metadata.

1.e. Contact phone: Phone number(s) of the contact points for the data or metadata.

1.f. Contact mail: Mailing address(es) of the contact points for the data or metadata.

1.g. Contact emails: E-mail address(es) of the contact points for the data or metadata.

2.a. Definition and concepts: Precise definition of the indicator preferably relying on internationally agreed definitions. The indicator definition should be unambiguous and be expressed in universally applicable terms. Precise definition of all different concepts and terms associated with the indicator, also including reference to any associated classifications.

2.b. Unit of measure: Description of the unit of measurement (proportion, dollars, number of people, etc.)

2.c. Classifications: Describe references to both national and international standards and classification being used. [Information to be provided where applicable.]

3.a. Data sources: Description of all actual and recommended sources of data. This description should include, when applicable, any changes of the data source over time, details of denominator (if from a different source) and any other relevant information related to the origin of the source or indicator. Similar details should be given for administrative sources.

3.b. Data collection method: Description of all methods used for data collection. This description should include, when applicable, the sample frame used, the questions used to collect the data, the type of interview, the dates/duration of fieldwork, the sample size and the response rate. Some additional information on questionnaire design and testing, interviewer training, methods used to monitor non-response etc. should be provided here. Questionnaires used should be annexed (if very long: via hyperlink).

3.c. Data collection calendar: Dates when source collection is next planned.

3.d. Data release calendar: Expected dates of release of new data for this indicator, including the year (or, ideally, the quarter/month when the next data point associated with the indicator will become available).

3.e. Data providers: Identification of national and/or international data provider(s), specifying the organization(s) responsible for producing the data.

3.f. Data compilers: Organization(s) responsible for compilation of this indicator either at national or global level.

3.g. Institutional mandate: Description of the set of rules or other formal set of instructions assigning responsibility as well as the authority to an organisation for the collection, processing, and dissemination of statistics for this indicator.

4.a. Rationale: Description of the purpose and rationale behind the indicator, as well as examples and guidance on its correct interpretation and meaning.

4.b. Comment and limitations: Comments on the feasibility, suitability, relevance and limitations of the indicator. Also includes data comparability issues, presence of wide confidence intervals (such as for maternal mortality ratios); provides further details on additional non-official indicators commonly used together with the indicator.

4.c. Method of computation: Explanation of how the indicator is calculated, including mathematical formulas and descriptive information of computations made on the source data to produce the indicator (including adjustments and weighting). This explanation should also highlight cases in which mixed sources are used or where the calculation has changed over time (i.e., discontinuities in the series).

4.d. Validation: Description of process of monitoring the results of data compilation and ensuring the quality of the statistical results, including consultation process with countries on the national data submitted to the SDGs Indicators Database. Descriptions and links to all relevant reference materials should be provided.

4.e. Adjustments: Global reporting: Description of any adjustments with respect to use of standard classifications and harmonization of breakdowns for age group and other dimensions, or adjustments made for compliance with specific international or national definitions. National reporting: This concept is typically not applicable for national reporting.

4.f. Treatment of missing values (i) at country level and (ii) at regional level: Global reporting: (National level) Description of the methodology employed for producing estimates for the indicator when country data are not available, including any mathematical formulas and description of additional variables used as input into the estimation process. (Regional level) Description of how missing values for individual countries or areas are imputed or otherwise estimated by international agencies to derive regional or global aggregates of the indicator. National reporting: This concept is not applicable for national reporting.

4.g. Regional aggregations: Global reporting: Description of the methodology, including any mathematical formulas, used for the calculation of the regional/global aggregates from the country values. Description of the weighting structure used for aggregating country indicator values to regional and global levels. Additional methodological details on how the data from countries or areas is assembled by custodian international agencies to provide regional and global aggregates. This is distinct from the method of computation, which looks at how the indicator is compiled at a national level. National reporting: This concept is not applicable for national reporting.

4.h. Methods and guidance available to countries for the compilation of the data at the national level: Global reporting: Description of methodology used by countries for the compilation of data at national level and the relevant international recommendations and guidelines available to countries. Descriptions and links to all relevant reference materials should be provided. National reporting: For national reporting a country may refer to the globally available metadata and explain how it is being used.

4.i. Quality management: Description of systems and frameworks in place within an organisation to manage the quality of statistical products and processes.

4.j Quality assurance: Description of practices and guidelines focusing on quality in general and dealing with quality of statistical programmes at your agency, including measures for ensuring the efficient use of resources.

4.k Quality assessment: Description of overall evaluation of fulfilling quality requirements, based on standard quality criteria.

5. Data availability and disaggregation: Global reporting: Indicate for how many countries the data for this indicator are already currently available on a regular basis. Data availability by regional breakdowns and time periods can also be described here. Describe the specification of the dimensions and levels used for disaggregation of the indicator (e.g., income, sex, age group, geographic location, disability status, etc.). National reporting: Data availability by sub-national breakdowns and time periods can be described here. Describe the specification of the dimensions and levels used for disaggregation of the indicator (e.g., income, sex, age group, geographic location, disability status, etc.).

6. Comparability / Deviation from international standards: Explanation on the differences between country produced and internationally estimated data on this indicator, highlighting and summarising the main sources of differences.

7. References and Documentation: Descriptions and links to all relevant reference materials related to this indicator.

B. Mapping of SDMX Detailed Concepts to IAEG-SDG File Format

This is an aid to format the SDMX metadata concepts to the metadata submitted in the IAEG-SDG file format. In some cases, these headers and sections of the IAEG-SDG format do not correspond perfectly to the SDMX concepts. Consult the SDMX metadata concept definitions.

| Detailed Metadata Concept Name | IAEG-SDG Headers and Subheaders |
|---|--|
| 0.a. Goal | Goal |
| 0.b. Target | Target |
| 0.c. Indicator | Indicator |
| 0.d. Series | |
| 0.e. Metadata update | Last updated: [DATE] |
| 0.f. Related indicators | Related indicators |
| 0.g. International organisations(s) responsible for global monitoring | Institutional information Organization(s) |
| 1.a. Organisation | |
| 1.b. Contact person(s) | |
| 1.c. Contact organisation unit | |
| 1.d. Contact person function | |
| 1.e. Contact phone | |
| 1.f. Contact mail | |
| 1.g. Contact emails | |
| 2.a. Definition and concepts | Concepts and definitions |

| Detailed Metadata Concept Name | IAEG-SDG Headers and Subheaders |
|--|---|
| | Definition Concepts |
| 2.b. Unit of measure | |
| 2.c. Classifications | |
| 3.a. Data sources | Data sources Description |
| 3.b. Data collection method | Collection process |
| 3.c. Data collection calendar | Calendar Data collection |
| 3.d. Data release calendar | Data release |
| 3.e. Data providers | Data providers |
| 3.f. Data compilers | Data compilers |
| 3.g. Institutional mandate | |
| 4.a. Rationale | Rationale |
| 4.b. Comment and limitations | Comments and limitations |
| 4.c. Method of computation | Methodology Computation method |
| 4.d. Validation | |
| 4.e. Adjustments | |
| 4.f. Treatment of missing values (i) at country level and (ii) at regional level. | Treatment of missing values * At country level: * At regional or global levels: |
| 4.g. Regional aggregations | Regional aggregates |
| 4.h. Methods and guidance available to countries for the compilation of the data at the national level | Methods and guidance available to countries for the compilation of the data at the national level |
| 4.i. Quality management | |
| 4.j. Quality assurance | Quality assurance |
| 4.k. Quality assessment | |
| 5. Data availability and disaggregation | Data availability Disaggregation |
| 6. Comparability / Deviation from international standards | Sources of discrepancies |
| 7. References and Documentation | References URL References |

C. Mapping of IAEG-SDG File Format to SDMX Detailed Concepts

This is an aid to format metadata previously submitted in the IAEG-SDG file format into the format of the SDMX metadata concepts. In some cases, these headers and sections of the IAEG-SDG format do not correspond perfectly to the SDMX concepts. Consult the SDMX metadata concept definitions.

| IAEG-SDG Headers and Subheaders | Detailed Metadata Concept Name |
|---|--|
| Last updated: [DATE] | 0.e. Metadata update |
| Goal | 0.a. Goal |
| Target | 0.b. Target |
| Indicator | 0.c. Indicator |
| | 0.d. Series |
| Institutional information Organization(s) | 0.g. International organisations(s) responsible for global monitoring |
| | 1.a. Organisation |
| | 1.b. Contact person(s) |
| | 1.c. Contact organisation unit |
| | 1.d. Contact person function |
| | 1.e. Contact phone |
| | 1.f. Contact mail |
| | 1.g. Contact emails |
| Concepts and definitions Definition Concepts | 2.a. Definition and concepts |
| | 2.b. Unit of measure |
| | 2.c. Classifications |
| Rationale | 4.a. Rationale |
| Comments and limitations | 4.b. Comment and limitations |
| Methodology Computation method | 4.c. Method of computation |
| | 4.d. Validation |
| | 4.e. Adjustments |
| Treatment of missing values * At country level: * At regional or global levels: | 4.f. Treatment of missing values (i) at country level and (ii) at regional level. |
| Regional aggregates | 4.g. Regional aggregations |
| Sources of discrepancies | 6. Comparability / Deviation from international standards |
| Methods and guidance available to countries for the compilation of the data at the national level | 4.h. Methods and guidance available to countries for the compilation of the data at the national level |
| | 4.i. Quality management |
| Quality assurance | 4.j. Quality assurance |
| | 4.k. Quality assessment |
| Data sources Description | 3.a. Data sources |
| Collection process | 3.b. Data collection method |
| Data availability Disaggregation | 5. Data availability and disaggregation |
| Calendar | 3.c. Data collection calendar |

| | |
|---------------------------------|---------------------------------|
| Data collection | |
| Data release | 3.d. Data release calendar |
| Data providers | 3.e. Data providers |
| Data compilers | 3.f. Data compilers |
| | 3.g. Institutional mandate |
| References URL References | 7. References and Documentation |
| Related indicators | 0.f. Related indicators |