



**United
Nations**

DESA
Statistics Division



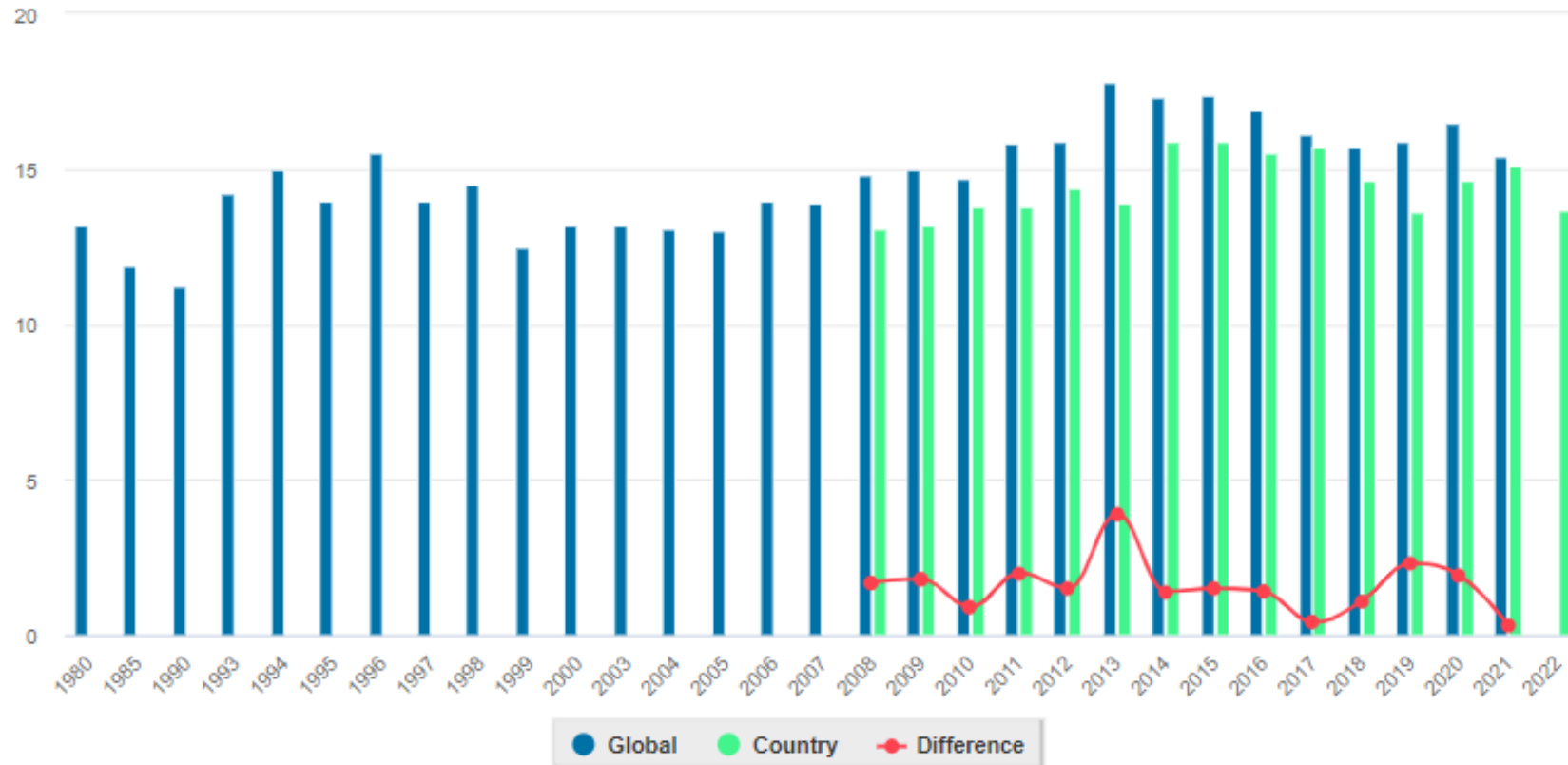
**SUSTAINABLE
DEVELOPMENT GOALS**

Introduction to the SDG global MSD for reporting



Discrepancies between global and national data

Proportion of people living below 50 percent of median income [10.2.1] (SI_POV_50MI)



Metadata is key to establishing methodology and quality as well as explaining differences between global and national datasets

Reference Metadata

- Metadata improves consistency and coherence
- Metadata improves comparability
- Metadata highlights data quality issues
- Increased relevance



Metadata Structure Definition for the SDGs

- A draft metadata structure definition for the SDGs approved by the Working Group on SDMX for SDG Indicators of the Inter-Agency and Expert Group on SDG Indicators was released at the beginning of 2020.
- The first official metadata structure definition for Sustainable Development Goal indicators was published in February 2022.

Metadata Structure Definition for the SDGs

- Allows standardized metadata exchanges and machine- readable metadata.
- Based on metadata concepts used for the reporting of metadata for the global SDG indicators, **harmonized with internationally used metadata concepts.**

Harmonization of metadata concepts

- Raised by country members of the SDMX-SDGs Working Group, many of whom had mapped their metadata to “Single Integrated Metadata Structure” (SIMS)
- The Working Group invested substantial effort to align concepts from original metadata template with the global standards, particularly SDMX Glossary and Global Metadata Concept Scheme (both derived from SIMS)
- Harmonization involved mapping original metadata template to harmonized concepts. In some cases, this led to splitting or merging the metadata concepts after careful consideration.

Harmonization of metadata concepts

	Id	Name	GMCS/SDMX-Glossary - Concept Code	MCS/Glossary Concept Name
	1 SDG_INDICATOR_INFO	0. Indicator information		
	2 SDG_GOAL	0.a. Goal		
	3 SDG_TARGET	0.b. Target		
	4 SDG_INDICATOR	0.c. Indicator		
	5 SDG_SERIES_DESCR	0.d. Series		
	6 META_LAST_UPDATE	0.e. Metadata update	META_LAST_UPDATE	Metadata last update
	7 SDG_RELATED_INDICATORS	0.f. Related Indicators		
	8 SDG_CUSTODIAN_AGENCIES	0.g. International organisations(s) responsible for global monitoring		
	9 CONTACT	1. Data reporter	CONTACT	CONTACT
	10 CONTACT_ORGANISATION	1.a. Organisation	CONTACT_ORGANISATION	Contact organization
	11 CONTACT_NAME	1.b. Contact person(s)	CONTACT_NAME	Contact name
	12 ORGANISATION_UNIT	1.c. Contact Organisation Unit	ORGANISATION_UNIT	Contact organisation unit
	13 CONTACT_FUNCT	1.d. Contact Person Function	CONTACT_FUNCT	Contact person function
	14 CONTACT_PHONE	1.e. Contact Phone	CONTACT_PHONE	Contact Phone
	15 CONTACT_MAIL	1.f. Contact Mail	CONTACT_MAIL	Contact Mail
	16 CONTACT_EMAIL	1.g. Contact emails	CONTACT_EMAIL	Contact email
	17 IND_DEF_CON_CLASS	2. Definition, concepts and classifications		
	18 STAT_CONC_DEF	2.a. Definition and Concepts	STAT_CONC_DEF	Statistical Concept and Definition
	19 UNIT_MEASURE	2.b. Unit of Measure	UNIT_MEASURE	Unit of Measure
	20 CLASS_SYSTEM	2.c. Classifications	CLASS_SYSTEM	Classification
	21 SRC_TYPE_COLL_METHOD	3. Data source type and data collection method		
	22 SOURCE_TYPE	3.a. Data sources	SOURCE_TYPE	Source data type



Harmonization of metadata concepts

	Id	Name	GMCS/SDMX-Glossary - Concept Code	MCS/Glossary Concept Name
	23 COLL_METHOD	3.b. Data collection method	COLL_METHOD	Data collection method
	24 FREQ_COLL	3.c. Data collection calendar	FREQ_COLL	Frequency of data collection
	25 REL_CAL_POLICY	3.d. Data release calendar	REL_CAL_POLICY	Release policy - release calendar
	26 DATA_SOURCE	3.e. Data providers	DATA_SOURCE	Data source
	27 COMPILING_ORG	3.f. Data compilers	COMPILING_ORG	Compiling agency
	28 INST_MANDATE	3.g. Institutional Mandate	INST_MANDATE	Institutional mandate
	29 OTHER_METHOD	4. Other methodological considerations		
	30 RATIONALE	4.a. Rationale		
	31 REC_USE_LIM	4.b. Comment and limitations	REC_USE_LIM	Recommended uses and limitation
	32 DATA_COMP	4.c. Method of computation	DATA_COMP	Data compilation
	33 DATA_VALIDATION	4.d. Validation	DATA_VALIDATION	Data validation
	34 ADJUSTMENT	4.e. Adjustments	ADJUSTMENT	Adjustment
	35 IMPUTATION	4.f. Treatment of missing values (i) at country level and (ii) at regional level.	IMPUTATION	Imputations
	36 REG_AGG	4.g. Regional aggregations		
	37 DOC_METHOD	4.h. Methods and guidance available to countries for the compilation of the data at the national level	DOC_METHOD	Documentation on methodology
	38 QUALITY_MGMNT	4.i. Quality management	QUALITY_MGMNT	Quality Management
	39 QUALITY_ASSURE	4.j. Quality assurance	QUALITY_ASSURE	Quality assurance
	40 QUALITY_ASSMNT	4.k. Quality assessment	QUALITY_ASSMNT	Quality assessment
	41 COVERAGE	5. Data availability and disaggregation	COVERAGE	COVERAGE
	42 COMPARABILITY	6. Comparability / Deviation from international standards	COMPARABILITY	COMPARABILITY
	43 OTHER_DOC	7. References and Documentation		
	44 TRANSLATIONS	8. Translations		

Metadata Structure Definition for the SDGs

<https://registry.sdmx.org/metadata/metadatastructure.html>

 **SDMX Global Registry**

en [Login](#)

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Metadata Structure Definitions

All

Id

Name

Latest Version

IAEG-SDGs	SDG_MSD	SDG Metadata Structure Definition	1.0
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Showing 1 to 1 of 1 entries

Search:

Metadata Structure Definition Details

[References](#) [Changelog](#) [Export SDMX-ML 3.0](#) [Compare](#) [View Metadata Structure Definition](#)

URN

URL

Revisions

Description

Annotations

Valid From

Valid To

SDG metadata template

Standardized metadata improves usability and comparability – even if SDMX is not used

- easier for users to interpret and lend themselves to machine readability and electronic exchange
- use a **common template** for organizing metadata
- **improve comparability** of data, both at the global level (between countries), and within countries – to understand comparability in time series over time

Metadata in SDMX

- Can be stored or exchanged separately from the data object it describes, but be linked to it
- Can be indexed and searched
- Reported according to a structure defined by the Metadata Structure Definition (MSD)

SDG metadata template

The metadata template was approved by the SDG SDMX Working Group of the Inter-Agency and Expert Group on SDG Indicators (IAEG-SDGs)

- Template for global metadata
- Metadata template for national reporting (with country-specific instructions)
 - Contains two main parts:
 - Metadata attachment
 - Metadata concepts
 - Latest version can always be found in the GitHub repository:
<https://github.com/sdmx-sdgs/metadata>

 brockfanning Draft version 3.4 (#9) 4f4e7f0 · 3 years ago 42 Commits
 archive Draft version 3.4 (#9) 3 years ago
 macros Draft version 3.4 (#9) 3 years ago
 CHANGELOG.md Draft version 3.4 (#9) 3 years ago
 LICENSE Add license 4 years ago
 README.md Draft version 3.4 (#9) 3 years ago
 SDG_Metadata_Template.docm Draft version 3.4 (#9) 3 years ago

SDMX SDGs - Metadata

Overview

This repository tracks the Microsoft Word template which the [metadata authoring tool](#) relies on.

 [Download the latest version of the template.](#)

Changelog

About

No description, website, or topics provided.

-  Readme
-  MIT license
-  Activity
-  Custom properties
-  2 stars
-  2 watching
-  1 fork
- [Report repository](#)

Releases

 1 tags

Packages

No packages published

Contributors 2

-  brockfanning
-  agozalov

Languages

Materials for exercise



<https://tinyurl.com/MetadataSDG>

Metadata attachment

Metadata attachment

Refers to the way in which the metadata is associated with the datasets it describes.

In SDMX for SDGs, metadata is attached based on the following concepts of the SDG DSD:

- Reporting type (National, Regional, Global)
- SDG series
- Reference Area (Countries and areas and regions)

In addition, Language is also specified (SDMX metadata is multilingual)

Metadata should be attached to the series, and not the indicator, because some indicators may have more than one series to which different metadata may apply.

Metadata Attachment

Reporting type

[National (N)]

SDG series

[5.4.1 Proportion of time spent on unpaid domestic chores and care work [5.4.1] (SL_DOM_TSPD)]

[5.4.1 Proportion of time spent on unpaid care work [5.4.1] (SL_DOM_TSPDCW)]

[5.4.1 Proportion of time spent on unpaid domestic chores [5.4.1] (SL_DOM_TSPDDC)]

Add Series

Remove Series

Reference area

[Antarctica (10)]

Metadata language

[en]

Please use a 2-letter ISO 639-1 language code. Full list is available at the [ISO web page](#).

Metadata Concepts (a.k.a. Metadata Attributes)

In the Metadata Structure Definition (MSD), the concepts describe all relevant characteristics of the metadata

Top-level SDG metadata concepts:

0. Indicator information
1. Data reporter
2. Definition, concepts and classifications
3. Data source type and data collection method
4. Other methodological considerations
5. Data availability and disaggregation
6. Comparability/deviation from international standards
7. References and documentation

Metadata Concepts

0. Indicator information

*Please fill out 0.a – 0.e as a minimum.
0.g is not applicable for national reporting and
should be left blank.*

0. Indicator information

Concept name	Insert text, lists, tables, and images.
0. Indicator information	
0.a. Goal	Goal 5. Achieve gender equality and empower all women and girls
0.b. Target	5.4 Recognize and value unpaid care and domestic work through the provision of public services, infrastructure and social protection policies and the promotion of shared responsibility within the household and the family as nationally appropriate
0.c. Indicator	5.4.1 Proportion of time spent on unpaid domestic and care work, by sex, age and location
0.d. Series	Proportion of time spent on unpaid care work, by sex, age and location (%) SL_DOM_TSPDCW Proportion of time spent on unpaid domestic chores, by sex, age and location (%) SL_DOM_TSPDDC Proportion of time spent on unpaid domestic chores and care work, by sex, age and location (%) SL_DOM_TSPD
0.e. Metadata update	2024-05-30
0.f. Related indicators	1.1.1, 8.7.1, 10.7.1
0.g. International organisations(s) responsible for global monitoring	

Metadata Concepts

1. Data reporter

Please fill out as much contact information as you can in 1.a – 1.g.

1. Data reporter

Concept name	Insert text, lists, tables, and images.
1. Data reporter	[
1.a. Organisation	[National Statistical Office]
1.b. Contact person(s)	[
1.c. Contact organisation unit	[Time use survey unit]
1.d. Contact person function	[
1.e. Contact phone	[
1.f. Contact mail	[
1.g. Contact email	[

Metadata Concepts

2. Definition, concepts and classifications

You may choose to fill out only the main concept (2. Definition, concepts, and classifications) **or** you may choose to fill out all or some of the detailed concepts (2.a, 2.b, 2.c) separately.

2. Definition, concepts, and classifications

Concept name	Insert text, lists, tables, and images.
2. Definition, concepts, and classifications	
2.a. Definition and concepts	Definition: This indicator is defined as the proportion of time spent in a day on unpaid domestic and care work by men and women. Unpaid domestic and care work refers to activities related to the provision of services for own final use by household members, or by family members living in other households. These activities are listed in the International Classification of Activities for Time-Use Statistics 2016 (ICATUS 2016)² under the major divisions 3 and 4. Concepts: <i>Unpaid domestic work</i> refers to activities including food and meals management preparation, cleaning and maintaining of own dwelling and surroundings, do-it-yourself decoration, maintenance and repair of personal and household goods, care and maintenance of textiles and footwear, household management, pet care, shopping for own household and family members and travel related to previous listed unpaid domestic services. Unpaid care work refers to activities related to childcare and instruction, care of the sick, elderly, or disabled household and family members, and travel related to these unpaid caregiving services.
2.b. Unit of measure	Percent (%) (proportion of time in a day)
2.c. Classifications	The data for SDG 5.4.1 is as much as possible, in line with relevant international standards, including ▪ The International Classification of Activities for Time Use Statistics 2016 (ICATUS 2016) ▪ System of National Accounts 2008 (SNA 2008) ▪ Resolution concerning statistics of work, employment, and labour underutilization, adopted by the International Conference of Labour Statisticians (ICLS) at its 19th Session in 2013



Metadata Concepts

3. Data source type and data collection method

You may choose to fill out only the main concept (3. Data source type and collection method) or you may choose to fill out all or some of the detailed concepts (3.a – 3.g) separately

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	Data on time-use can be collected through a 24-hour diary (light diary) or a stylized questionnaire.
3.b. Data collection method	Time use survey
3.c. Data collection calendar	Surveys are conducted once every 5 years
3.d. Data release calendar	Once every 5 years
3.e. Data providers	
3.f. Data compilers	National Statistical Office
3.g. Institutional mandate	

Metadata Concepts

4. Other methodological considerations

You may choose to fill out only the main concept (4. Other methodological considerations) **or** you may choose to fill out all or some of the detailed concepts (4.a – 4.d, 4.h – 4.k) separately. 4.e – 4.g are not relevant for national reporting and should be left blank.

4. Other methodological considerations

Concept name	Insert text, lists, tables, and images.
4. Other methodological considerations	
4.a. Rationale	The purpose of the indicator is to measure the amount of time women and men spend doing unpaid work, to ensure that all work, whether paid or unpaid, is valued. In addition, it also provides an assessment of gender equality, by highlighting discrepancies between how much time women and men spend on unpaid work, like cooking, cleaning, or taking care of children.
4.b. Comment and limitations	Data collected only once every 5 years
4.c. Method of computation	Proportion of time spent on unpaid domestic and care work (Indicator 5.4.1) is calculated as: $\text{Indicator 5.4.1} = \frac{\text{Daily number of hours spent on domestic work} + \text{Daily number of hours spent on care work}}{24} \times 100$ where, $\text{Daily number of hours spent on relevant activities} = \frac{\text{Total number of hours spent by the population on relevant activities}}{\text{Total population (regardless of whether they participated in the activity)}}$

Metadata Concepts

4. Other methodological considerations

You may choose to fill out only the main concept (4. Other methodological considerations) or you may choose to fill out all or some of the detailed concepts (4.a – 4.d, 4.h – 4.k) separately. 4.e – 4.g are not relevant for national reporting and should be left blank.

4.d. Validation	[The raw data are checked for quality before being used for further analysis.]
4.e. Adjustments	[
4.f. Treatment of missing values (i) at country level and (ii) at regional level	[
4.g. Regional aggregations	[
4.h. Methods and guidance available to countries for the compilation of the data at the national level	[
4.i. Quality management	[Logical and arithmetic control of recorded data is carried out.]
4.j. Quality assurance	[
4.k. Quality assessment	[

Metadata Concepts

5. Data availability and disaggregation

6. Comparability/deviation from international standards

7. References and documentation

5. Data availability and disaggregation

Concept name	<i>Insert text, lists, tables, and images.</i>
5. Data availability and disaggregation	Time use data are available since 1980. This indicator should be disaggregated by the following dimensions: sex, age, and location.

6. Comparability/deviation from international standards

Concept name	<i>Insert text, lists, tables, and images.</i>
6. Comparability/deviation from international standards	Not applicable

7. References and Documentation

Concept name	<i>Insert text, lists, tables, and images.</i>
7. References and Documentation	Guide to Producing Statistics on Time-Use: Measuring Paid and Unpaid Work (https://unstats.un.org/unsd/publication/SeriesF/SeriesF_93E.pdf)

Authoring SDG metadata for SDMX conversion

Requirements:

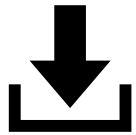
Microsoft word



Web browser

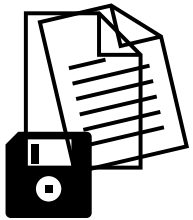


Authoring SDG metadata steps



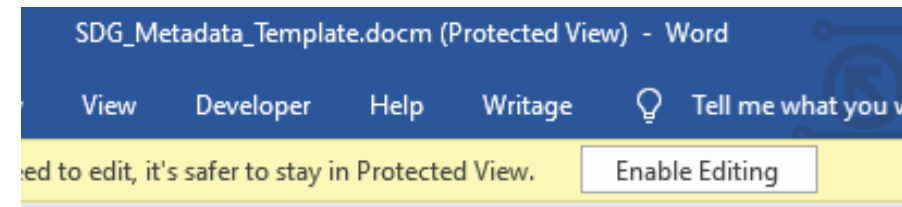
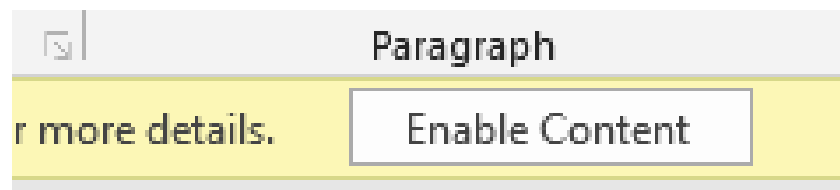
(1) Download latest version of the metadata template

https://github.com/sdmx-sdgs/metadata/raw/master/SDG_Metadata_Template.docm



(2) Rename the file for a particular SDG indicator

(3) Open file in Microsoft Word and press “Enable editing” and “Enable content” buttons as needed.



Authoring SDG metadata steps

(4) If you use a custom national DSD, load it in the “Metadata Section” with the “Import SDMX DSD” button.

If you use the global SDG DSD, you can load the latest version with the “Import SDMX DSD from Global Registry” button.

Import Data Structure Definition

To update the options in the dropdowns according to an SDMX DSD, click one of the buttons below:

Import SDMX DSD from file

Import SDMX DSD from Global Registry

Authoring SDG metadata steps

(5) Metadata attachment:

- Select Reporting type
- Select Series (for multiple series, press “add Series” button as needed)
- Select Reference area
- Indicate the language of your metadata

Metadata Attachment

Reporting type

National (N)

SDG series

5.4.1 Proportion of time spent on unpaid domestic chores and care work [5.4.1] (SL_DOM_TSPD)

5.4.1 Proportion of time spent on unpaid care work [5.4.1] (SL_DOM_TSPDCW)

5.4.1 Proportion of time spent on unpaid domestic chores [5.4.1] (SL_DOM_TSPDDC)

Add Series

Remove Series

Reference area

Antarctica (10)

Metadata language

en

Please use a 2-letter ISO 639-1 language code. Full list is available at the [ISO web page](#).

Authoring SDG metadata steps

(6) In the “Metadata Submission Form” section you will enter your metadata. [Metadata Submission Form](#)

0. Indicator information

Concept name	<i>Insert text, lists, tables, and images.</i>
0. Indicator information	[
0.a. Goal	[Goal 5. Achieve gender equality and empower all women and girls

Use only the metadata concepts provided. Do not add additional metadata concepts. Only the SDMX Metadata Concepts can be read by the automation tool.

For details on what each field should contain, see the “Appendices” at the end of the document.

Authoring SDG metadata steps



(7) When you are finished entering the metadata, save and close the file.

(8) Open the authoring tool web app

<https://sdg-metadata-sdmx.herokuapp.com>

(9) Drag in or select your saved file, then wait a moment for it to process.

SDG Metadata SDMX Converter

SDMX converter [Comparison report](#)

Use this tool to convert your metadata into SDMX and PDF files.

DROP YOUR METADATA FILE (DOCX/DOCM/XML) HERE, OR CLICK TO BROWSE.

Authoring SDG metadata steps

(10) Examine the output: Your browser will automatically download a zip file, containing two versions of the metadata:

- PDF version: Useful to see how exactly your metadata will be represented in the SDMX
- SDMX version: This is the completed SDMX output for your metadata.

**The authoring tool will show warnings if there are any problems with the Word template.
Correct any issue and convert again.**

◦ WARNING: At least one SDG Series must be selected.

Rich-text features of word that can be used

- Bold
- Italics
- Underline
- Unordered lists
- Ordered lists (caveat: nested numbered lists should be avoided if the numbering scheme is important. In this case, number the list manually without rich-text formatting)
- Headings
- Tables
- Images
- Footnotes
- Equations



Rich-text features that cannot be used

Any other rich-text features apart from those listed above, such as:

- Colors cannot be used (including font colors, background colors, etc.)
- Shapes
- Fonts



SDG data and metadata

<https://unstats.un.org/sdgs/dataportal/database>

SE_PRE_PARTN

Indicator 4.2.2, Series : Participation rate in organized learning (one year before the official primary entry age), by sex (%) SE_PRE_PARTN

Disaggregated by ☒ Sex

Go to Metadata

Search this table...

Select years to hide

Country	Sex	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Albania	BOTHSEX	55.9436 ^C	59.0361 ^C	-	69.2600 ^C	67.1637 ^C	-	-	-	73.9469 ^C	81.4942 ^C	82.1034 ^C	86.5888 ^C	92.3
Albania	FEMALE	-	61.9465 ^C	-	70.5283 ^C	67.4742 ^C	-	-	-	73.5912 ^C	81.9566 ^C	81.1784 ^C	85.8027 ^C	91.0
Albania	MALE	-	56.2278 ^C	-	68.0509 ^C	66.8700 ^C	-	-	-	74.2733 ^C	81.0739 ^C	82.9419 ^C	87.3013 ^C	93.5
Algeria	BOTHSEX	-	-	-	8.9441 ^C	12.0405 ^C	13.6513 ^C	33.8259 ^C	-	41.9068 ^C	79.5356 ^C	82.4941 ^C	78.0763 ^C	-
Algeria	FEMALE	-	-	-	8.9559 ^C	12.0451 ^C	13.1531 ^C	33.6332 ^C	-	40.7509 ^C	79.3270 ^C	80.5251 ^C	79.2291 ^C	-
Algeria	MALE	-	-	-	8.9330 ^C	12.0362 ^C	14.1306 ^C	34.0109 ^C	-	43.0128 ^C	79.7347 ^C	84.3722 ^C	76.9777 ^C	-
Andorra	BOTHSEX	-	-	95.6466 ^E	95.9147 ^E	95.7644 ^E	98.6234 ^E	86.0599 ^E	93.6221 ^E	98.5019 ^E	92.9319 ^E	95.4663 ^E	86.6324 ^E	88.9



UNdata APP



General Information

Region	South America
Population (000, 2021)	51 266 ^a
Pop. density (per km2, 2021)	46.2 ^a
Capital city	Bogota
Capital city pop. (000, 2021)	10 779.4 ^{c,b}
UN membership date	05-Nov-45
Surface area (km2)	1 141 748 ^b
Sex ratio (m per 100 f)	96.5 ^a
National currency	Colombian Peso (COP)
Exchange rate (per US\$)	3 444.9 ^d

Economic indicators

Social indicators

Environment and infrastructure indicators

	2010	2015	2021
Individuals using the Internet (per 100 inhabitants)	36.5 ⁰	55.9	65 ^b
Research & Development expenditure (% of GDP)	0.2	0.3	0.2 ^m
Threatened species (number)	681	751	1 455
Forested area (% of land area)	54.8	54.2	53.7 ^m
CO2 emission estimates (million tons/tons per capita)	59.6 / 1.3	74.0 / 1.6	73.1 / 1.5 ^m
Energy production, primary (Petajoules)	4 486	5 394	5 047 ^m
Energy supply per capita (Gigajoules)	31	36	33 ^m
Tourist/visitor arrivals at national borders ^p (000)	1 405	2 980 ^q	3 904 ^{q,m}
Important sites for terrestrial biodiversity protected (%)	35.1	42.8	47.6 ^d
Pop. using safely managed drinking water (urban/rural, %)	81.4 / 37.0	81.1 / 38.6	80.5 / 40.2 ^d
Pop. using safely managed sanitation (urban/rural %)	15.4 / ...	16.0 / ...	16.6 / ... ^d
Net Official Development Assist. received (% of GNI)	0.24	0.47	0.28 ^b

THANK YOU