Technical note – SDG 5 Global, Regional and Country Assessments

Introduction

This document serves as a technical note detailing methodologies applied in the ***SDG 5 Tracker*** published in the 2021 edition of the Gender Snapshot Report and the accompanying ***Are We on Track To Achieve Gender Equality by 2030?*** data visualization package.

The assessment of progress on SDG 5 is based on the data available in the SDG Global Database as of January 2022 for the eighteen SDG 5 indicators and sub-indicators.

The **SDG 5 Tracker** presents two types of information at the global and regional level:

- **A level assessment** using stoplight colours to measure the current level of development with respect to the distance from its target based on the latest data.

- **A trend assessment** describing the current level of development with respect to the distance from its target based on the latest data.

The ***Are We on Track To Achieve Gender Equality by 2030*****?** data visualization package presents level assessment information included in the SDG 5 tracker, but additionally visualizes country-level assessments.

For most indicators, the latest available data cover 2018-2022, yet for some countries the data go back to 2017 or earlier.[1] Data gaps prevent a full assessment of trends but where available, a baseline year of around 2015 is used to derive the trend assessment. If there are no sufficient empirical data around that time, a baseline year of around 2010 is used.

Methodologies to assess current level and trend of SDG 5 indicators

The methodologies used to assess current level and trend of SDG 5 indicators build upon those developed for the SDG Progress Chart presented in the Sustainable Development Goals Progress Chart 2021 Technical Note. If the methodology deviates from the proposed methodology, the detailed explanation is provided in this technical note.

Level assessment: Measure the current level based on the latest available data (usually covering the period 2018-2021) with respect to the distance from its target. Current levels are represented by six colours as detailed below:

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[1] Although based on latest available data, the SDG 5 assessment may not reflect the full impact of the COVID-19 pandemic since much remains unknown. Moreover, since 2020, the pandemic has disrupted statistical operations worldwide, limiting the ability of many national statistical offices to deliver the data needed to monitor progress on SDG 5.

SDG 5 Tracker colour	"Are We on Track" visualization colour	Level assessment
		Target met or almost met
		Close to target
		Moderate distance to target
		Far from target
		Very far from target
		Insufficient data

Trend assessment: Measure the progress from a baseline year of around 2015 or around 2010 (if there is no sufficient data in 2015) to the most recent year. Five categories below are usually considered:

i. Substantial progress / on track

ii. Fair progress but acceleration needed

iii. Limited or no progress

iv. Deterioration

v. Insufficient data

Detailed methodologies by indicator

Indicator 5.1.1. Whether or not legal frameworks are in place to promote, enforce and monitor equality and non-discrimination on the basis of sex[2]

Current level

Description of the methodology applied for measuring current level:

Current level assessment is based on 2020 data and is measured using the "distance to target" method. The target is set at 99 percent.

Thresholds applied for measuring current level:

Assessment of the current level (or distance to the target)		Thresholds applied in the methodology used
	Target met or almost met	x ≥ 99 percent x: Legal frameworks that promote, enforce and monitor gender equality, percentage of achievement
	Close to target	85 percent ≤ x < 99 percent
	Moderate distance to target	65 percent ≤ x < 85 percent
	Far from target	55 percent ≤ x < 65 percent
	Very far from target	x < 55 percent

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[2] The four areas under 5.1.1 are presented separately in the *SDG 5 Tracker* and accompanying *Are We on Track To Achieve Gender Equality by 2030?* data visualization package. The methodology detailed here was applied to each area.

	Insufficient data	-

* Note color coding here refers to those used in the SDG5 Tracker.

Trend

Description of the methodology applied for measuring trend:

Methodology not developed. Limited trend data available in the SDG Global Database as of January 2022.

Indicator 5.2.1. Proportion of ever-partnered women and girls aged 15 years and older subjected to physical, sexual or psychological violence by a current or former intimate partner in the previous 12 months, by form of violence and by age

Current level

Description of the methodology applied for measuring current level:

Current level assessment is based on 2018 data and is measured using the "distance to target" method. The target is set at 1 percent.

Thresholds applied for measuring current level:

Assessment of the current level (or distance to the target)		Thresholds applied in the methodology used
	Target met or almost met	x ≤ 1 percent x: Proportion of ever-partnered women and girls aged 15 years and older subjected to physical and/or sexual violence
	Close to target	1 percent < x ≤ 10 percent
	Moderate distance to target	10 percent < x ≤ 20 percent
	Far from target	20 percent < x ≤ 25 percent
	Very far from target	x > 25 percent
	Insufficient data	-

* Note color coding here refers to those used in the SDG5 Tracker.

Trend

Description of the methodology applied for measuring trend:

Methodology not developed. Trend data unavailable in the SDG Global Database as of January 2022.

Indicator 5.2.2. Proportion of women and girls aged 15 years and older subjected to sexual violence by persons other than an intimate partner in the previous 12 months, by age and place of occurrence

Current level

Description of the methodology applied for measuring current level:

Methodology not developed. Data unavailable in the SDG Global Database as of January 2022.

Trend

Description of the methodology applied for measuring trend:

Methodology not developed. Trend data unavailable in the SDG Global Database as of January 2022.

Indicator 5.3.1. Proportion of women aged 20-24 years who were married or in a union before age 15 and before age 18

Current level

Description of the methodology applied for measuring current level:

Current level assessment is based on the latest data available covering the period 2005-2020 and is measured using the "distance to target" method. The target is set at 1 percent.

Thresholds applied for measuring current level:

Assessment of the current level (or distance to the target)		Thresholds applied in the methodology used
	Target met or almost met	x ≤ 1 percent x: Proportion of women aged 20-24 years who were married or in a union before age 18
	Close to target	1 percent < x ≤ 15 percent
	Moderate distance to target	15 percent < x ≤ 30 percent
	Far from target	30 percent < x ≤ 45 percent
	Very far from target	x > 45 percent
	Insufficient data	-

* Note color coding here refers to those used in the SDG5 Tracker.

Trend

Description of the methodology applied for measuring trend:

The observed average annual rate of reduction (AARR) in the prevalence of child marriage is calculated for the last 10-year period using a natural log function: $$AARR = \ln\left(\frac{p_0}{p_1}\right)/t$$ Where: p_1=latest prevalence estimate p_0=starting prevalence estimate

t=number of years elapsed between p_0 and p_1

The observed AARR is compared to the AARR which would be required to eliminate child marriage by 2030. The observed AARR is calculated based on the data for 2010 and 2020, while the required AARR is calculated using data for 2010 and the 2030 target, which is set at 1 percent for statistical purposes.

Thresholds applied for measuring trend:

Trend	Thresholds applied in the methodology used
i. Substantial progress / on track	AARR >= required AARR, or prevalence < 1 percent
ii. Fair progress but acceleration needed	AARR < required AARR, and AARR >= 0.5
iii. Limited or no progress	AARR < required AARR, and 0.5 >AARR> - 0.5 or difference is within confidence intervals
iv. Deterioration	AARR < = - 0.5
v. Insufficient data	-

Indicator 5.3.2. Proportion of girls and women aged 15-49 years who have undergone female genital mutilation/cutting, by age

Current level

Description of the methodology applied for measuring current level:

Current level assessment is based on the latest data available covering the period 2004-2020 and is measured using the "distance to target" method. The target is set at 1 percent.

Thresholds applied for measuring current level:

Assessment of the current level (or distance to the target)		Thresholds applied in the methodology used
	Target met or almost met	x ≤ 1 percent x: Proportion of girls and women aged 15-49 years who have undergone female genital mutilation/cutting
	Close to target	1 percent < x ≤ 15 percent
	Moderate distance to target	15 percent < x ≤ 30 percent
	Far from target	30 percent < x ≤ 45 percent
	Very far from target	x > 45 percent
	Insufficient data	-

Note: For countries and/or regions where the practice is marginal, the assessment is marked as N/A in the excel spreadsheet. Color coding here refers to those used in the SDG5 Tracker.

Trend

Description of the methodology applied for measuring trend:

The observed average annual rate of reduction (AARR) in the prevalence of female genital mutilation/cutting is calculated for the last 10-year period using a natural log function:

$$AARR = \ln\left(\frac{p_0}{p_1}\right)/t$$

Where:
p_1=latest prevalence estimate
p_0=starting prevalence estimate
t=number of years elapsed between p_0 and p_1

The observed AARR is compared to the AARR which would be required to eliminate female genital mutilation/cutting by 2030. The observed AARR is calculated based on the data for 2015 and 2020, while the required AARR is calculated using data for 2015 and the 2030 target, which is set at 1 percent for statistical purposes.

Thresholds applied for measuring trend:

Trend	Thresholds applied in the methodology used
i. Substantial progress / on track	AARR >= required AARR, or prevalence < 1 percent
ii. Fair progress but acceleration needed	AARR < required AARR, and AARR >= 0.5
iii. Limited or no progress	AARR < required AARR, and 0.5 >AARR> - 0.5 or difference is within confidence intervals
iv. Deterioration	AARR < = - 0.5
v. Insufficient data	-

Indicator 5.4.1. Proportion of time spent on unpaid domestic and care work, by sex, age and location

Current level

Description of the methodology applied for measuring current level:

Current level assessment is based on the latest data available covering the period 2001-2019 and is measured using the "distance to target" method. The target is set at a female-to-male ratio of 1.03.

Thresholds applied for measuring current level:

Assessment of the current level (or distance to the target)		Thresholds applied in the methodology used
	Target met or almost met	x < 1.03 x: Female-to-male ratio in time spent on unpaid domestic and care work
	Close to target	1.47 > x ≥ 1.03
	Moderate distance to target	1.97 > x ≥ 1.47
	Far from target	3.97 > x ≥ 1.97

🟥	Very far from target	x ≥ 3.97
⬜	Insufficient data	-

* Note color coding here refers to those used in the SDG5 Tracker.

Trend

Description of the methodology applied for measuring trend:

> Methodology not developed. Limited trend data available in the SDG Global Database as of January 2022.

Indicator 5.5.1. Proportion of seats held by women in (a) national parliaments

Current level

Description of the methodology applied for measuring current level:

> Current level assessment is based on 2022 data and is measured using the "distance to target" method. The target is set between 40 percent to 60 percent, with the objective of no more than 60 percent of either sex being represented.

Thresholds applied for measuring current level:

Assessment of the current level (or distance to the target)		Thresholds applied in the methodology used
🟩	Target met or almost met	40 percent ≤ x < 60 percent x: Proportion of seats held by women in national parliaments
🟩	Close to target	30 percent ≤ x < 40 percent
🟨	Moderate distance to target	20 percent ≤ x < 30 percent
🟧	Far from target	10 percent ≤ x < 20 percent
🟥	Very far from target	x < 10 percent
⬜	Insufficient data	-

* Note color coding here refers to those used in the SDG5 Tracker.

Trend

Description of the methodology applied for measuring trend:

> The ratio (CR) of the actual compound annual growth rate ($CAGRa$) to the required compound annual growth rate ($CAGRr$) to reach the target in 2030 is used to assess the trends.
>
> The actual compound annual growth rate ($CAGRa$) is calculated as follows:
>
> $$CAGR_a = \left(\frac{x_{t_1}}{x_{t_0}}\right)^{\frac{1}{(t_1 - t_0)}} - 1$$

Where:

x_{t_1}=latest parliamentary participation estimate

x_{t_0}=starting parliamentary participation estimate

$t_1 - t_0$=number of years elapsed between x_{t_1} and x_{t_0}

The required compound annual growth rate ($CAGR$r) is calculated with a mature year of 2030:

$$CAGR_r = \left(\frac{x^*}{x_{t_o}}\right)^{\frac{1}{(t^*-t_0)}} - 1$$

Where:

x_{t_1}=parliamentary participation target

x_{t_0}=starting parliamentary participation estimate

$t_1 - t^*$=number of years elapsed between x^* and x_{t_0}

Comparing the actual versus the required growth rates means simply calculating the ratio of the two:

$$CR = \left(\frac{CAGR_a}{CAGR_r}\right)$$

The actual CAGR covers the period 2015-2022 while the required CAGR covers the period 2015-2030. For statistical purposes the 2030 target is set at 40 percent.

Thresholds applied for measuring trend:

Trend	Thresholds applied in the methodology used
i. Substantial progress / on track	CR ≥ 0.95 or Target met
ii. Fair progress but acceleration needed	0.50 ≤ CR < 0.95
iii. Limited or no progress	-0.1 ≤ CR < 0.50
iv. Deterioration	CR< -0.1
v. Insufficient data	-

Indicator 5.5.1. Proportion of seats held by women in (b) local governments

Current level

Description of the methodology applied for measuring current level:

Current level assessment is based on the latest data available covering the period 2017-2020 and is measured using the "distance to target" method. The target is set between 40 percent to 60 percent, with the objective of no more than 60 percent of either sex being represented.

Thresholds applied for measuring current level:

	Assessment of the current level (or distance to the target)	Thresholds applied in the methodology used
	Target met or almost met	40 percent ≤ x < 60 percent x: Proportion of seats held by women in local governments
	Close to target	30 percent < x < 40 percent
	Moderate distance to target	20 percent < x ≤ 30 percent
	Far from target	10 percent < x ≤ 20 percent
	Very far from target	x ≤ 10 percent
	Insufficient data	-

Note: For countries in which there are no elected deliberative bodies of local government, the assessment is marked as N/A in the excel spreadsheet. Color coding here refers to those used in the SDG5 Tracker.

Trend

Description of the methodology applied for measuring trend:

Methodology not developed. Limited trend data available in the SDG Global Database as of January 2022.

Indicator 5.5.2. Proportion of women in managerial positions

Current level

Description of the methodology applied for measuring current level:

Current level assessment is based on the latest data available covering the period 2001-2020 and is measured using the "distance to target" method. The target is set between 40 percent to 60 percent, with the objective of no more than 60 percent of either sex being represented.

Thresholds applied for measuring current level:

	Assessment of the current level (or distance to the target)	Thresholds applied in the methodology used
	Target met or almost met	40 percent ≤ x < 60 percent x: Proportion of women in managerial positions
	Close to target	30 percent < x < 40 percent
	Moderate distance to target	20 percent < x ≤ 30 percent
	Far from target	10 percent < x ≤ 20 percent
	Very far from target	x ≤ 10 percent
	Insufficient data	-

* Note color coding here refers to those used in the SDG5 Tracker.

Trend

Description of the methodology applied for measuring trend:

The ratio (CR) of the actual compound annual growth rate ($CAGRa$) to the required compound annual growth rate ($CAGRr$) to reach the target in 2030 is used to assess the trends.

The actual compound annual growth rate ($CAGRa$) is calculated as follows:

$$CAGR_a = \left(\frac{x_{t_1}}{x_{t_o}}\right)^{\frac{1}{(t_1 - t_0)}} - 1$$

Where:
x_{t_1}=latest managerial participation estimate
x_{t_0}=starting managerial participation estimate
$t_1 - t_0$=number of years elapsed between x_{t_1} and x_{t_0}

The required compound annual growth rate ($CAGRr$) is calculated with a mature year of 2030:

$$CAGR_r = \left(\frac{x^*}{x_{t_o}}\right)^{\frac{1}{(t^* - t_0)}} - 1$$

Where:
x^*=managerial participation target
x_{t_0}=starting managerial participation estimate
$t^* - t_0$=number of years elapsed between x^* and x_{t_0}

Comparing the actual versus the required growth rates means simply calculating the ratio of the two:

$$CR = \left(\frac{CAGR_a}{CAGR_r}\right)$$

The actual CAGR covers the period 2015-2019 while the required CAGR covers the period 2015-2030. For statistical purposes the 2030 target is set at 40 percent.

Thresholds applied for measuring trend:

Trend	Thresholds applied in the methodology used
i. Substantial progress / on track	CR ≥ 0.95 or Target met
ii. Fair progress but acceleration needed	0.50 ≤ CR < 0.95
iii. Limited or no progress	-0.1 ≤ CR < 0.50
iv. Deterioration	CR< -0.1
v. Insufficient data	-

Indicator 5.6.1. Proportion of women aged 15-49 years who make their own informed decisions regarding sexual relations, contraceptive use and reproductive health care

Current level

Description of the methodology applied for measuring current level:

Current level assessment is based on the latest data available covering the period 2007-2020 and is measured using the "distance to target" method. The target is set at 85 percent.

Thresholds applied for measuring current level:

	Assessment of the current level (or distance to the target)	Thresholds applied in the methodology used
	Target met or almost met	x ≥ 85 percent x: Proportion of women aged 15-49 years who make their own informed decisions regarding sexual relations, contraceptive use and reproductive health care
	Close to target	70 percent ≤ x < 85 percent
	Moderate distance to target	60 percent ≤ x < 70 percent
	Far from target	50 percent ≤ x < 60 percent
	Very far from target	x < 50 percent
	Insufficient data	-

* Note color coding here refers to those used in the SDG5 Tracker.

Trend

Description of the methodology applied for measuring trend:

Methodology not developed. Limited trend data available in the SDG Global Database as of January 2022.

Indicator 5.6.2. Number of countries with laws and regulations that guarantee full and equal access to women and men aged 15 years and older to sexual and reproductive health care, information and education

Current level

Description of the methodology applied for measuring current level:

Current level assessment is based on 2019 data and is measured using the "distance to target" method. The target is set at 85 percent.

Thresholds applied for measuring current level:

	Assessment of the current level (or distance to the target)	Thresholds applied in the methodology used
	Target met or almost met	x ≥ 85 percent

		x: Extent to which countries have laws and regulations that guarantee full and equal access to women and men aged 15 years and older to sexual and reproductive health care, information and education, percentage
	Close to target	75 percent ≤ x < 85 percent
	Moderate distance to target	65 percent ≤ x < 75 percent
	Far from target	55 percent ≤ x < 65 percent
	Very far from target	x < 55 percent
	Insufficient data	-

* Note color coding here refers to those used in the SDG5 Tracker.

Trend

Description of the methodology applied for measuring trend:

Methodology not developed. Trend data unavailable in the SDG Global Database as of January 2022.

Indicator 5.a.1 (a) Proportion of total agricultural population with ownership or secure rights over agricultural land, by sex

Current level

Description of the methodology applied for measuring current level:

Methodology not developed. As of January 2022, data available in the SDG Global Database only covered 32 countries globally for the period 2009-2020. Data are too limited to assess aggregate progress.

Trend

Description of the methodology applied for measuring trend:

Methodology not developed. Limited trend data available in the SDG Global Database as of January 2022.

Indicator 5.a.1 (b) Share of women among owners or rights-bearers of agricultural land, by type of tenure

Current level

Description of the methodology applied for measuring current level:

Methodology not developed. As of January 2022, data available in the SDG Global Database only covered 32 countries globally for the period 2009-2020. Data are too limited to assess aggregate progress.

Description of the methodology applied for measuring trend:

Methodology not developed. Limited trend data available in the SDG Global Database as of January 2022.

Indicator 5.a.2. Proportion of countries where the legal framework (including customary law) guarantees women's equal rights to land ownership and/or control

Current level

Description of the methodology applied for measuring current level:

Methodology not developed. As of January 2022, data available in the SDG Global Database only covered 36 countries globally for the period 2019-2020. Data are too limited to assess aggregate progress.

Trend

Description of the methodology applied for measuring trend:

Methodology not developed. Trend data unavailable in the SDG Global Database as of January 2022.

Indicator 5.b.1. Proportion of individuals who own a mobile telephone, by sex

Current level

Description of the methodology applied for measuring current level:

Current level assessment is based on the latest data available covering the period 2015-2019 and is measured using the "distance to target" method. The target is set at 99 percent.

Thresholds applied for measuring current level:

Assessment of the current level (or distance to the target)		Thresholds applied in the methodology used
	Target met or almost met	x ≥ 99 percent x: Proportion of individuals who own a mobile telephone
	Close to target	90 percent ≤ x < 99 percent
	Moderate distance to target	70 percent ≤ x < 90 percent
	Far from target	50 percent ≤ x < 70 percent
	Very far from target	x < 50 percent
	Insufficient data	-

Note: In the **Are We on Track To Achieve Gender Equality by 2030?** *data visualization package,* this indicator is visualized only for females. In the excel spreadsheet, values for both males and females are included. Color coding here refers to those used in the SDG5 Tracker.

Trend

Description of the methodology applied for measuring trend:

Methodology not developed. Limited trend data available in the SDG Global Database as of January 2022.

Indicator 5.c.1. Proportion of countries with systems to track and make public allocations for gender equality and women's empowerment

Current level

Description of the methodology applied for measuring current level:

Current level assessment is based on the latest data available covering the period 2015-2019 and is measured using the "distance to target" method. The target for regions is set at 95 percent; the target for countries is set at a qualitative score of "2-Fully meets requirements".

Thresholds applied for measuring current level:

Assessment of the current level (or distance to the target)		Thresholds applied in the methodology used, regions	Thresholds applied in the methodology used, countries
	Target met or almost met	x ≥ 95 percent	2-Fully meets requirements
	Close to target	80 percent ≤ x < 95 percent	-
	Moderate distance to target	60 percent ≤ x < 80 percent	1-Approaches requirements
	Far from target	40 percent ≤ x < 60 percent	-
	Very far from target	x < 40 percent	0-Does not meet requirements
	Insufficient data	-	-

* Note color coding here refers to those used in the SDG5 Tracker.

Trend

Description of the methodology applied for measuring trend:

Methodology not developed. Limited trend data available in the SDG Global Database as of January 2022.