

SDGs and Statistics - Methodology

a. Global and Regional Scorecards

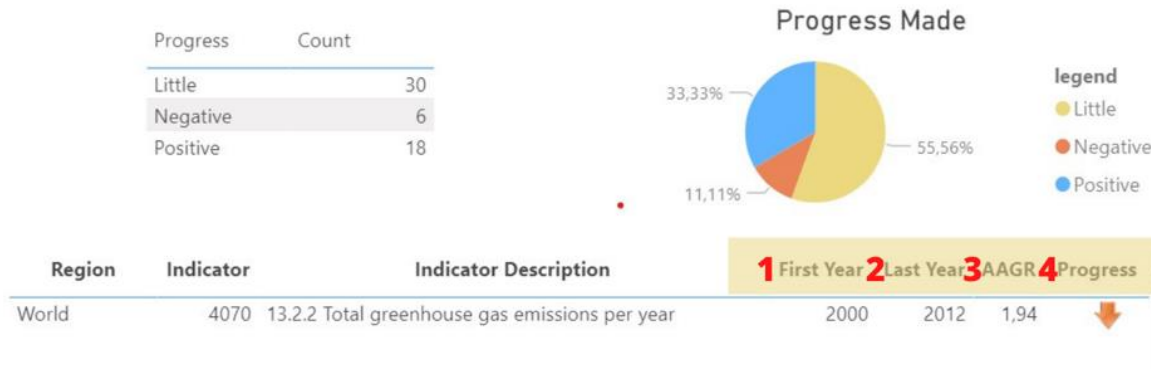


Figure 1: Snapshot of the Global Scorecard Interface

- (1) **First year:** First year where data is available for each indicator. First year value varies depending on each indicator's data availability.
- (2) **Last year:** Last year where data is available for each indicator. Last year value varies depending on each indicator's data availability.
- (3) **Annual Average Growth Rate (AAGR)** (in percent):

SDG indicators are divided into two types of indicators: value indicators and percentage indicators. The annual average growth rate for each type of indicator is calculated as below:

For value indicators, the below formula is used:

$$a. \text{ Annual average growth} = \left(\frac{\text{most recent value}}{\text{baseline value}} \right)^{\frac{1}{\text{most recent year} - \text{baseline year}}} - 1$$

For percentage indicators, the below formula is used:

$$b. \text{ Average growth rate} = \frac{(\text{most recent value} - \text{baseline value})}{(\text{most recent year} - \text{baseline year})}$$

- (4) **Progress:** Progress is shown in the forms of arrows and indicates how each indicator is doing in regard to the environment.

When the indicator's progress is beneficial for the environment and represents a rate of more than 1%, the arrow is positive, blue and directed upward.



When the indicator's progress is harmful for the environment and represents a rate of more than 1%, the arrow is negative, orange and directed downward.



When the progress is between (-1) and (+1), the arrow indicates little change and is yellow.



When data is not enough to analyze the trend or data is not available, an arrow is substituted by a full grey bar to indicate the unavailability of data or a discontinued bar to indicate insufficiency of data, respectively.



b. National Scorecard

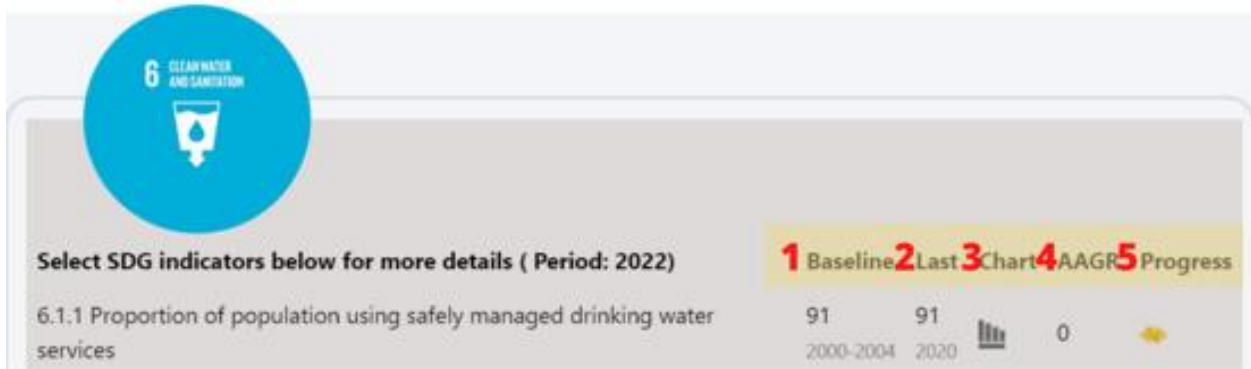


Figure 1: Snapshot of the National Scorecard Interface

- (1) **Baseline:** First year where data is available for each indicator. First year value varies depending on each indicator’s data availability.
- (2) **Last:** Last year where data is available for each indicator. Last year value varies depending on each indicator’s data availability.
- (3) **Chart:** Clicking the chart icon will generate a line chart based on the underlined data.
- (4) **Average annual growth rate (AAGR)** (in percent):
SDG indicators are divided into two types of indicators: value indicators and percentage indicators. The annual average growth rate for each type of indicator is calculated as below:


For value indicators, the below formula is used:


$$a. \text{ Annual average growth rate} = \left(\frac{\text{last value}}{\text{baseline value}} \right)^{\frac{1}{(\text{most recent year} - \text{baseline year})}} - 1$$


For percentage indicators, the below formula is used:

$$b. \text{ Average growth rate} = \frac{(\text{last value} - \text{baseline value})}{(\text{most recent year} - \text{baseline year})}$$

- (5) **Progress:** Progress is shown in the forms of arrows and indicates how each indicator is doing in regard to the environment.

When the indicator’s progress is beneficial for the environment and represents a rate of more than 1%, the arrow is positive, blue and directed upward. 

When the indicator’s progress is harmful for the environment and represents a rate of more than 1%, the arrow is negative, orange and directed downward. 

When the progress is between (-1) and (+1), the arrow indicates little change and is yellow. 

When data is not enough to analyze the trend or data is not available, an arrow is substituted by a full grey bar to indicate the unavailability of data or a discontinued bar to indicate insufficiency of data, respectively. 