



# UGANDA BUREAU OF STATISTICS



THE REPUBLIC OF UGANDA

## Workshop on supporting Evidence Based Voluntary National Review and SDG Reporting

### Data Storytelling & Visualization

### Ankara, Republic of Türkiye

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Outreach & Quality Assurance

12/8/2023

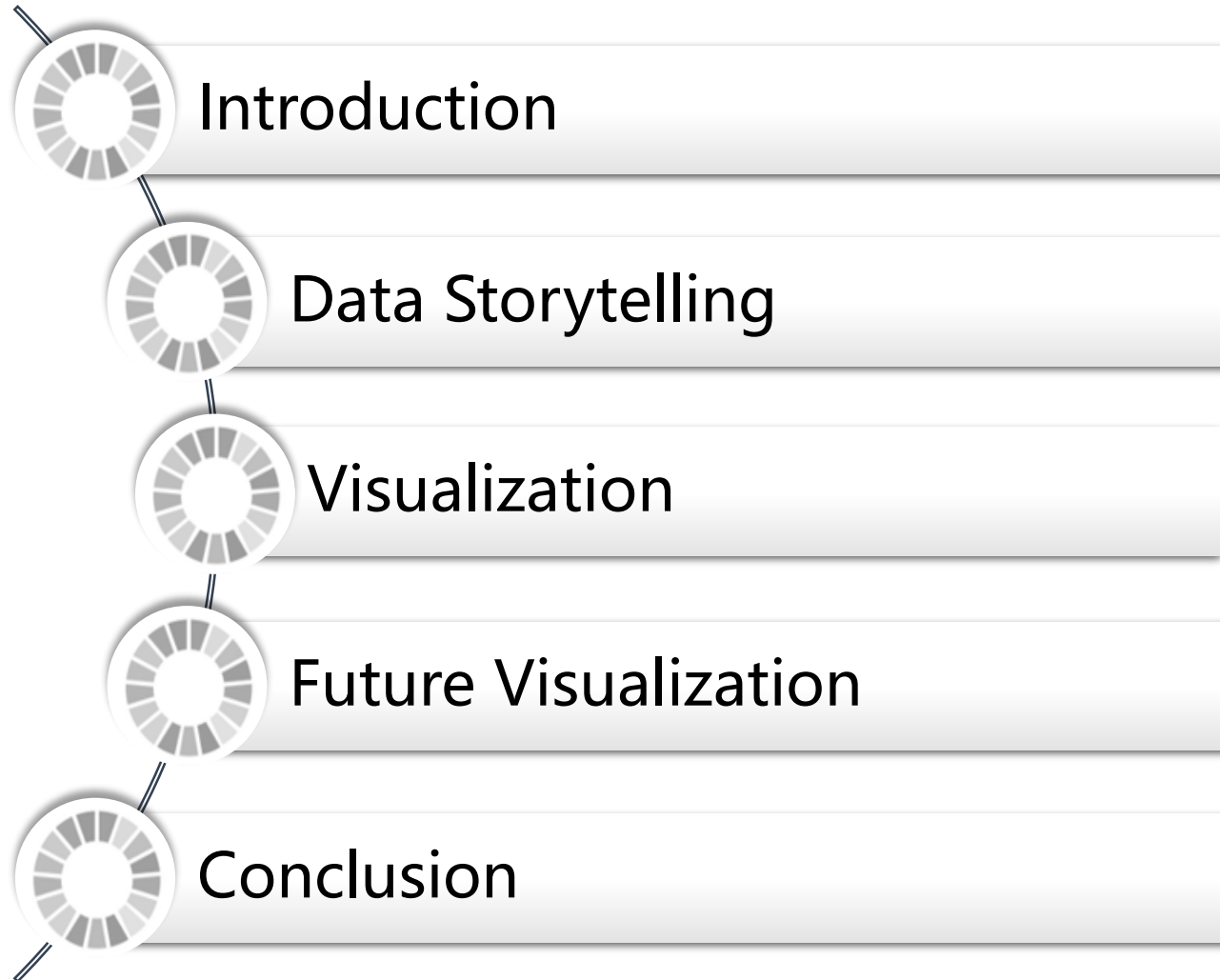
Uganda Bureau of Statistics ▪ Plot 9 Colville Street, Kampala Uganda  
▪ Website: [www.ubos.org](http://www.ubos.org) Tel: +256(0)-41-4706000 ▪ E-mail: [ubos@ubos.or](mailto:ubos@ubos.or) ▪ twitter: @StatisticsUg ▪ WhatsApp: 0750747176

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# Presentation Outline



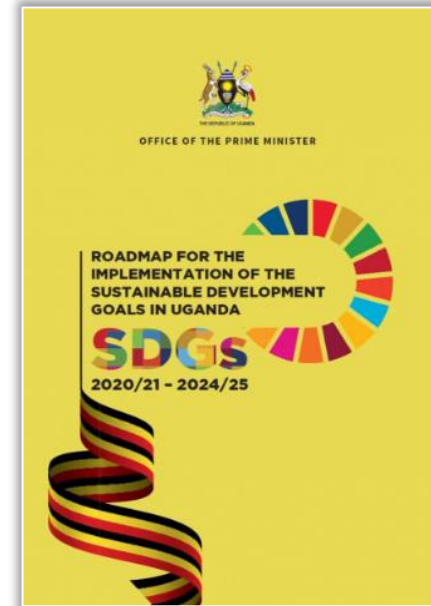
## UBOS



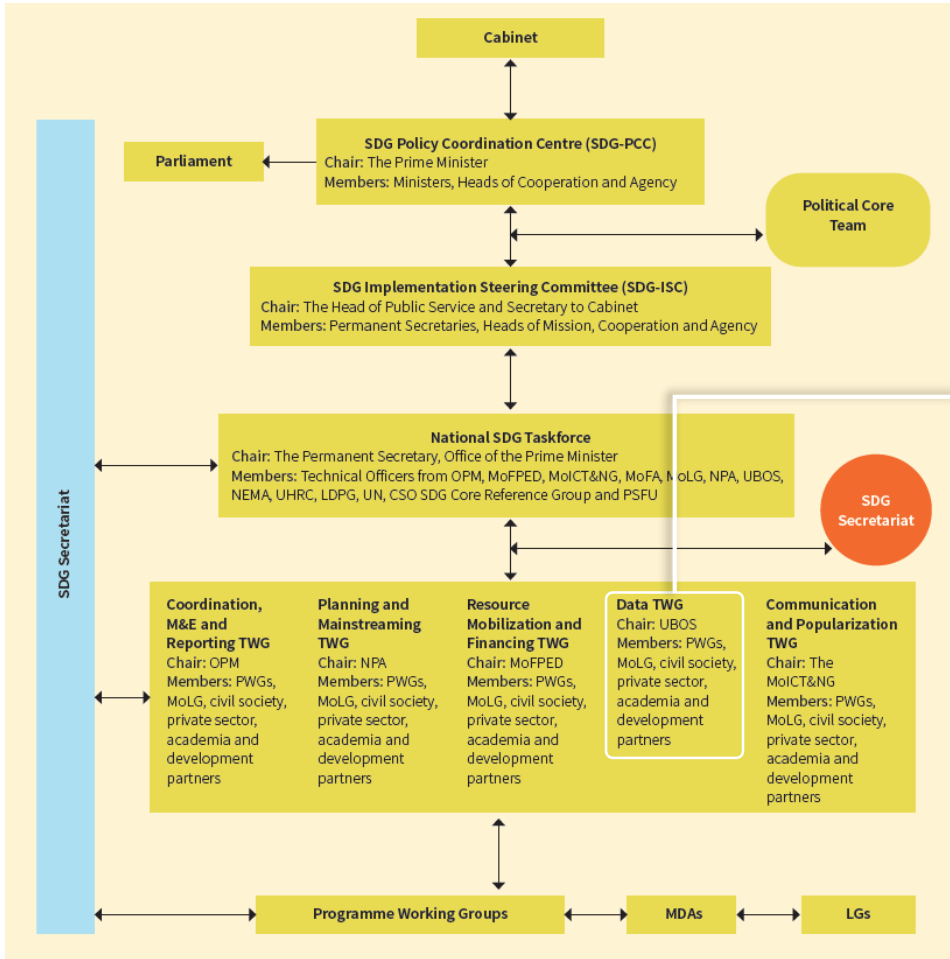
Plot 9 Colville Street, Kampala  
Uganda

- Established by an Act of Parliament (1998).
- Principal data collection and dissemination agency responsible for coordinating, monitoring and supervising National Statistical System

- Presides Over the SDG Data Technical Working Group and through its existing coordination structures, engages other data-producing agencies as guided by the ***SDG Road Map***



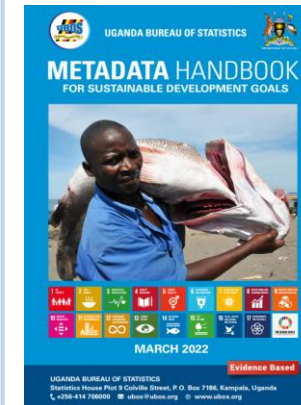
## Guided by the SDG Coordination Framework



**Data TWG**  
 Chair: UBOS  
 Members: PWGs, MoLG, civil society, private sector, academia and development partners

## Key Outputs

- SDGs Mainstreamed in MDA & HLG Strategic Plans for Statistics
- Updated SDG Indicator Matrix
- Updated SDG Data Portal
- SDG Metadata Handbook**





# Data Storytelling...



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Channeled through..

**VOLUNTARY NATIONAL REVIEW REPORT ON THE IMPLEMENTATION OF THE 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT**

JUNE 2020

SCAN ME

**SUSTAINABLE DEVELOPMENT GOALS PROGRESS REPORT 2021**

SCAN ME

**THE NATIONAL STANDARD INDICATOR FRAMEWORK (NSI) LEVEL I & II**

NOVEMBER 2023

SCAN ME



# Data Storytelling...



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## The National Standard Indicator Framework (NSI)



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We are Evidence Based

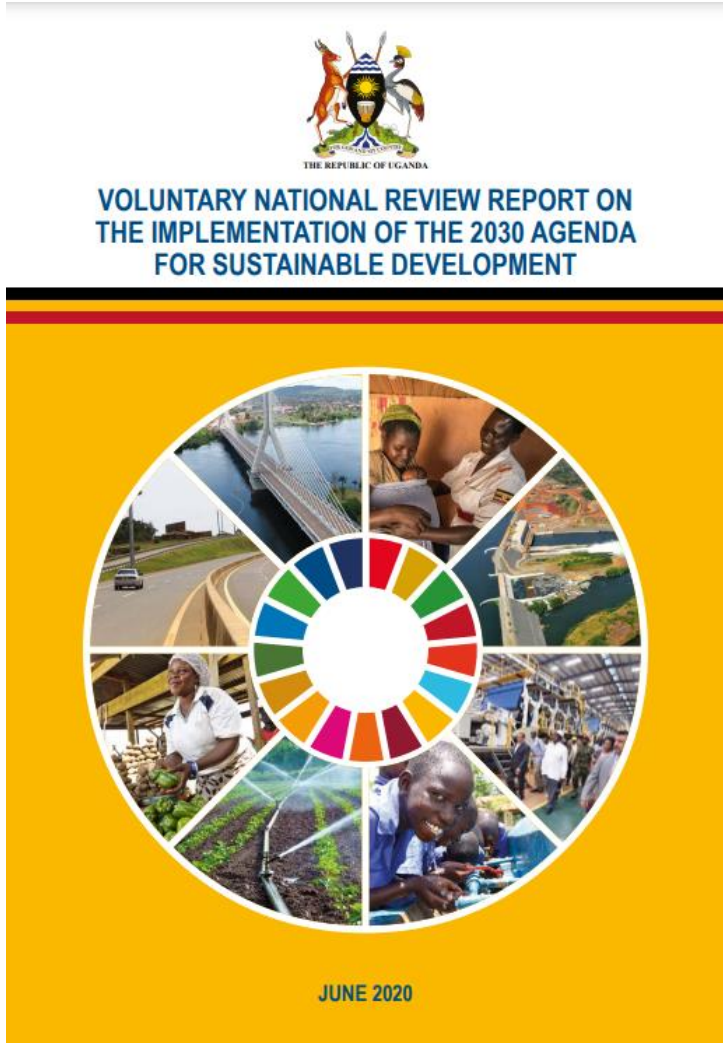


### THE NATIONAL STANDARD INDICATOR FRAMEWORK (NSI) LEVEL I & II



NDP 3 Goal and Objectives	Key Result Areas (KRA)	Indicators	Disaggregation	Unit of measure	Development Framework the indicator responds to (1 "NDP3" 2"EAC Vision 2050" 3"Africa gender 2063" 4"SDGs")	Data Source	Target 2024/25	Baseline	Data Series		MDA Responsible for the outcome indicator	Definition	Method of Computation
								2019/20	2020/21	2021/22			
Goal: Increased household incomes and improved Quality of life	Household incomes	Income per Capita (USD)		USD	1,2,3			916	957	1042	UBOS	This is the measure of the amount of money that is being earned per person in a country	Divide the country's national income by its total population
		Real GDP growth rate (%)		percent	1,2,3	National Accounts		3.0	3.5	4.7	UBOS	This is the percentage change in the real GDP between two consecutive years	Growth rate of real GDP in year t: $(G(t)/G(t-1)-1) \times 100$ , where G(t) is real GDP per capita in year t and G(t-1) is real GDP per capita in year t-1.
	Population below the poverty line (%)	Total	percent	1,2,3,4	UNHS		20.3	20.3	20.3	UBOS	Percentage of the population living on less than \$1 a day	Computed as the Persons living on less than US\$ 1.00 a day over Total Household Population divide by 100	
		Rural	percent		UNHS		23.4	23.4	23.4	UBOS			
		Urban	percent		UNHS		11.7	11.8	11.9	UBOS			

- Majorly Two visualization platforms are used
- 1 Print Media
- 2 Data Portals
- More utilization is observed from the web portal. However, some still access through print media



## 1. Print Media

### 4.2 GOAL 2: END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE

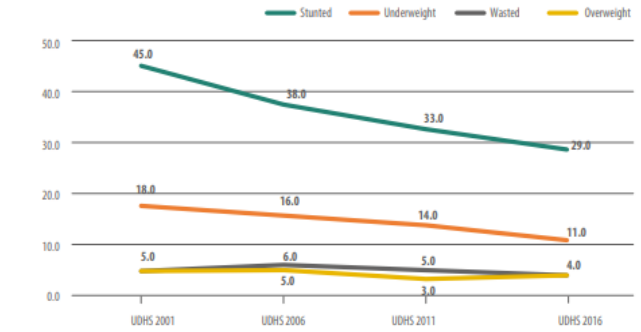
**2 ZERO HUNGER**

**Indicators Reported on:**

- 2.2.1** Prevalence of stunting (height for age <-2 standard deviation from the median of the World Health Organization (WHO) Child Growth Standards) among children under 5 years of age.
- 2.2.2** Prevalence of malnutrition (weight for height >+2 or <-2 standard deviation from the median of the WHO Child Growth Standards) among children under 5 years of age, by type (wasting and overweight)
- 2.2.3** Prevalence of anaemia in women aged 15-49 years, by pregnancy status (percentage) under the target 2.2 to end forms of malnutrition by 2030
- 2.a.1** The agriculture orientation index for government expenditures

The past decade has seen progress in improving the nutritional status of children in Uganda. The prevalence of stunting among children under five has declined from 33 percent in 2011 to 29 percent in 2016, with the highest prevalence among children in rural areas (30 percent) compared with urban areas (24 percent). In absolute numbers, the population of 2.4 million stunted children is very high, necessitating investment in nutrition support for malnourished children as well intersectoral collaborations and partnerships for nutrition.

FIGURE 3: PROPORTION OF CHILDREN UNDER AGE 5 WHO ARE MALNOURISHED



The country has maintained its commitment to address chronic and acute malnutrition, which is measured by two indicators: the rate of wasting in children under five years old, and the proportion of underweight children in the same age category. Wasting declined from 5 percent in 2011 to 4 percent in 2016, while the proportion of underweight children dropped from 14 percent to 11 percent during the same period.

According to the UNHS 2016/17, many Ugandans consume a poorly diversified diet, with staples (cereals, roots and tubers) forming 55 percent of Dietary Energy Consumption (DEC) compared with 36 percent from nuts and pulses, animal tissue (meat, fish and eggs), milk, and sugar combined. Nevertheless, there has been an improvement in the quality of diets, as reflected in a dietary diversity score (number of food groups consumed over time) that grew from 7.6 in 2009/10 to 8.2 in 2015/16. Overall, Uganda's DEC of 2,226 kcal/person/day (with female-headed households consuming slightly more calories than male-headed households (2,241 and 2,220 kcal/person/day respectively)) was above the minimum required intake of 2,200 kcal per person per day.



# Visualization



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## 2. Data Portals

The screenshot shows the Uganda Bureau of Statistics website. At the top, there is a navigation menu with links for HOME, ABOUT US, STATISTICS, PUBLICATIONS, DATA PORTALS, OPPORTUNITIES, and CONTACT US. The main content area is titled "Data Portals" and features a list of various data portals. Each portal entry includes a title, a brief description, and a link to the portal.

Data portal	Description
<a href="#">ArcGIS online</a>	ArcGIS Online is a cloud-based mapping and analysis solution. Use it to make maps, analyze data, and to share and collaborate. To access this portal use this link <a href="https://ubos.org/arcgis">https://ubos.org/arcgis</a>
<a href="#">Uganda Profile</a>	This portal provides visual displays of thematic statistical data using graphical charts, figures and bars to allow users spot patterns, trends and correlations through interactive displays.
<a href="#">UBOS Microdata Archive</a>	The Gender Statistics Portal is a web-based application and platform that disseminates Gender statistics that is produced in the country. <a href="http://gender.ubos.org:8080">http://gender.ubos.org:8080</a>
<a href="#">Data Visualization</a>	
<a href="#">Gender Based Violence Dash Board</a>	
<a href="#">National Summary Data page</a>	This presents data that corresponds to data described in the International Monetary Fund and to the enhanced General Data Dissemination System in the World Bank.
<a href="#">NSO Open data</a>	It is a data portal that houses National Statistical Office open data. <a href="https://nso-uganda.opendataforafrica.org">https://nso-uganda.opendataforafrica.org</a>
<a href="#">SDG Open Data Portal</a>	This data page provides quick statistical information about the current details of on Uganda <a href="https://www.ubos.org/uganda-profile">https://www.ubos.org/uganda-profile</a>
<a href="#">Ugstats</a>	This portal mainly disseminates Uganda's indicators related to sustainable development goals. The Sustainable Development Goals (SDGs) were adopted by the United Nations in 2015.

SCAN ME

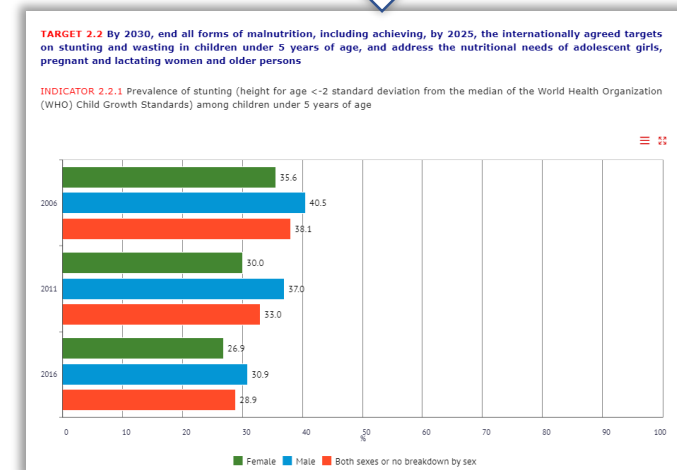






**2 ZERO HUNGER**  
 Goal 2. End hunger, achieve food security and improved nutrition and promote sustainable agriculture

- 2.2 By 2030, end all forms of malnutrition, including achieving, by 2025, the internationally agreed targets on stunting and wasting in children under 5 years of age, and address the nutritional needs of adolescent girls, pregnant and lactating women and older persons
- 2.5 By 2020, maintain the genetic diversity of seeds, cultivated plants and farmed and domesticated animals and their related wild species, including through soundly managed and diversified seed and plant banks at the national, regional and international levels, and promote access to and fair and equitable sharing of benefits arising from the utilization of genetic resources and associated traditional knowledge, as internationally agreed
- 2.a Increase investment, including through enhanced international cooperation, in rural infrastructure, agricultural research and extension services, technology development and plant and livestock gene banks in order to enhance agricultural productive capacity in developing countries, in particular least developed countries





# Future Visualization

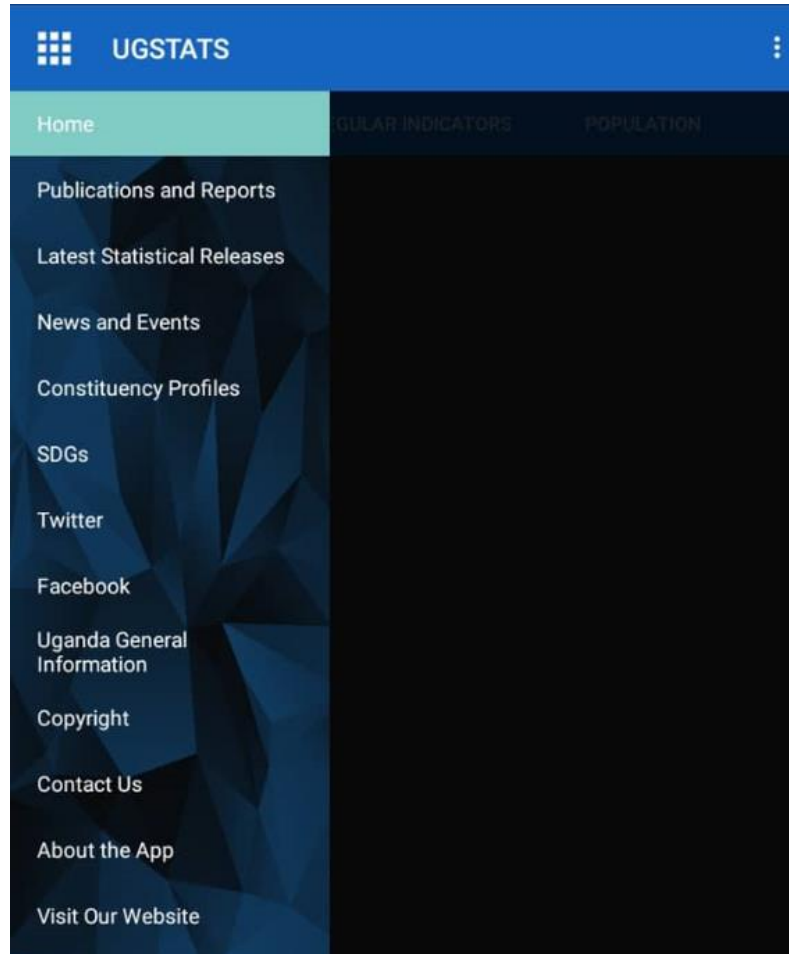


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## UGSTAT Mobile App



- Provides users easy access to Key Economic Indicators, Demographic and Population Data



- In future to be able to provide Real-time data on SDG indicators across the entire National Statistical System



# Conclusion



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- The use of **visualization** tools in **Uganda's SDG** reporting has further **improved data uptake**. Various visualization channels have been deployed to illustrate **trends, variations, and progress** to facilitate more **understanding** of the different **SDG indicators**
- Uganda's embracement of **technology**, as seen in the development of interactive dashboards and the use of various reporting tools, showcases a forward-looking approach which has enhanced the accessibility of information.
- Utilizing **data storytelling** and **visualization** in **SDG reporting and VNRs** serves as a **commendable approach** for other **Nations** in order to succeed in not only meeting reporting requirements but also in creating a comprehensive and compelling narrative that **engages stakeholders** and propels Countries towards the **achievement** of **Sustainable Development Goals**



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