UGANDA BUREAU OF STATISTICS

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
Presentation Outline

- Introduction
- Data Storytelling
- Visualization
- Future Visualization
- Conclusion
Introduction

- 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.
Data Storytelling

- Guided by the SDG Coordination Framework

**Key Outputs**

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

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**Data TWG**

**Chair:** UBOS

**Members:** PWGs, MoLG, civil society, private sector, academia and development partners

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**Programme Working Groups**

- MDGs
- LGs

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**Coordination, M&E and Reporting TWG**

- Chair: OPW
- Members: PWGs, MoLG, civil society, private sector, academia and development partners

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**Planning and Mainstreaming TWG**

- Chair: MTA
- Members: PWGs, MoLG, civil society, private sector, academia and development partners

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**Resource Mobilization and Financing TWG**

Chair: MTEF
- Members: PWGs, MoLG, civil society, private sector, academia and development partners

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**Data TWG**

- Chair: UBOS
- Members: PWGs, MoLG, civil society, private sector, academia and development partners

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**Communication and Popularization TWG**

Chair: MTEF
- Members: PWGs, MoLG, civil society, private sector, academia and development partners
Data Storytelling... Channeled through..
### Data Storytelling…

#### The National Standard Indicator Framework (NSI)

The National Standard Indicator Framework (NSI) aims to measure and report on the progress of the National Development Plan (NDP) goals and objectives. It provides a common set of indicators that are used across various sectors to monitor and evaluate the development outcomes.

<table>
<thead>
<tr>
<th>NDP Goal and Objectives</th>
<th>Key Result Areas (KRA)</th>
<th>Indicators</th>
<th>Disaggregation</th>
<th>Unit of Measure</th>
<th>Developed Framework the indicator responds to</th>
<th>Data Source</th>
<th>Target 2024/25</th>
<th>Baseline</th>
<th>Data Series</th>
<th>MDA Responsible for the outcome indicator</th>
<th>Definition</th>
<th>Method of Computation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goal: Increased household incomes and improved Quality of life</td>
<td>Household incomes</td>
<td>Income per Capita (USD)</td>
<td>USD</td>
<td>1.2.3</td>
<td>National Accounts</td>
<td>2019/20</td>
<td>2020/2021</td>
<td>2021/2022</td>
<td>UBOS</td>
<td>This is the measure of the amount of money that is being earned per person in a country.</td>
<td>Divide the country’s national income by its total population</td>
<td></td>
</tr>
<tr>
<td>Real GDP growth rate (%)</td>
<td>National Accounts</td>
<td>1.2.3</td>
<td>National Accounts</td>
<td>3.0</td>
<td>3.5</td>
<td>4.7</td>
<td>UBOS</td>
<td>This is the percentage change in the real GDP between two consecutive years.</td>
<td>Growth rate of real GDP in year t ((-G(t)/(G(t)-1))) x 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Population below the poverty line (%)</td>
<td>Total</td>
<td>percent</td>
<td>12.3.4</td>
<td>UNHS</td>
<td>20.3</td>
<td>20.5</td>
<td>20.5</td>
<td>UBOS</td>
<td>Percentage of the population living on less than USD 1.00 a day over Total Household Population divide by 100.</td>
<td>Computed as the Persons living on less than USD 1.00 a day over Total Household Population divide by 100.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Urban</td>
<td>percent</td>
<td>UNHS</td>
<td>11.7</td>
<td>11.8</td>
<td>11.9</td>
<td>UBOS</td>
<td>Computed as the Persons living on less than USD 1.00 a day over Total Household Population divide by 100.</td>
<td>Computed as the Persons living on less than USD 1.00 a day over Total Household Population divide by 100.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** The above table provides a snapshot of the key indicators used in the NSI framework to monitor and evaluate the progress towards the NDP's goals. Each indicator is associated with a specific unit of measure and is targeted for monitoring and evaluation by a designated MDA.
Visualization

- 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**

**Figure 3: Proportion of children under age 5 who are malnourished**

- June 2023

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 stabilised from 5 percent in 2017 to 4 percent in 2018, while the proportion of underweight children dropped from 14 percent to 11 percent during the same period.

According to the GHSN 20 10/11, many Ugandans consume a poorly diversified diet, with staples (cassava, rice and tubers) forming 85 percent of Dietary Energy Consumption (DEC) compared with 36 percent from nuts and pulses, animal tissue (meat, fish and eggs), milk, and sugar combined. Moreover, there has been an improvement in the quality of diets, as reflected in a dietary diversity score of food groups consumed over the years, which grew from 7.6 in 2009 to 8.1 in 2010/11. Overall, Uganda’s DEC of 2,226 kcal/person/day (with female-headed households consuming slightly more calories than male-headed households 2,134 and 2,250 kcal/person/day respectively) was above the minimum required intake of 2,200 kcals per person per day.
## Visualization

### Data Portals

#### Data portal

<table>
<thead>
<tr>
<th>Data portal</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ArcGIS online</td>
<td>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">https://ubos.org</a></td>
</tr>
<tr>
<td>Data Visualization</td>
<td>This portal provides visual displays of thematic statistical data using graphical charts, figures and bars to allow users spot patterns, trends and correlations thorough interactions.</td>
</tr>
<tr>
<td>Gender Statistics Portal</td>
<td>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/8000">http://gender.ubos.org/8000</a></td>
</tr>
<tr>
<td>Gender Based Violence Incidence Dashboard</td>
<td>This presents data that corresponds to data described in the International Monetary Fund and to the enhanced General Data Dissemination System (GDDS) data. It is a data portal that houses National Statistical Office open data. <a href="https://neso-uganda.opendataforafrica.org">https://neso-uganda.opendataforafrica.org</a></td>
</tr>
<tr>
<td>UBOS Spatial Data Portal</td>
<td>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></td>
</tr>
<tr>
<td>National Summary Data page</td>
<td>This portal mainly disseminates Uganda’s indicators related to sustainable development goals. The Sustainable Development Goals (SDGs) were adopted by the United Nations (UN) in 2015.</td>
</tr>
<tr>
<td>NSO Open data</td>
<td>This portal provides a Central Data Catalog on the surveys and censuses collected and managed by UBOS. The archive provides information about 100 most requested statistics from different data sources.</td>
</tr>
</tbody>
</table>

### Uganda Bureau of Statistics

We are Evidence Based

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□ Website: www.ubos.org Tel: +256(0)-41-4706000  □ E-mail: ubos@ubos.or □ twitter:@StatisticsUg □ WhatsApp: 0750747176**
Future Visualization

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

- 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.