MAINSTREAMING SDG INDICATORS INTO THE NATIONAL STATISTICAL SYSTEMS

UBOS EXPERIENCE ON ENERGY STATISTICS DATA COLLECTION ON SDG 7.2

By

Paul Okudi

Senior Statistician

Uganda Bureau of Statistics ¤ Plot 9 Colville Street, Kampala Uganda ¤ Website: www.ubos.org
Tel: +256(0)-41-4706000 ¤ E-mail: ubos@ubos.org

OUTLINE

- Background
- UBOS Experience in Compilation of Energy Statistics
- Challenges
- Conclusion/Recommendations

Background - About UBOS

- UBOS is a semi-autonomous agency of the government of Uganda
- Governed by Board of directors who reports to the Minister of Finance, Planning and Economic development on matters of the board
- Designated as the lead agency responsible for coordinating the Compilation of statistics with a focus on indicator prioritization, data availability, gaps and challenges among others

Background - The NSS

The Uganda Bureau of Statistics (UBOS) Act, 1998 provides for the development and maintenance of a National Statistical System (NSS) to ensure collection, analysis and publication of integrated, relevant, reliable and timely statistical information.

It establishes the Bureau as the coordinating, monitoring and supervisory body for the National Statistical System.

Background - The NSS

In addition to being the source of official statistical information, the Bureau is responsible for:

1. Providing high quality central statistics information services;
2. Promoting standardization in the collection, analysis and publication of statistics to ensure uniformity in quality, adequacy of coverage and reliability of statistics information;
3. providing guidance, training and other assistance as may be required to other users and providers of statistics;

Background - The NSS

4. promoting cooperation, coordination and rationalization among users and providers of statistics at national and local levels so as to avoid duplication of effort and ensure optimal utilization of scarce resources;

5. promoting and being the focal point of cooperation with statistics users and providers at regional and international levels

UBOS EXPERIENCE IN COMPILATION OF RENEWABLE ENERGY FOR THE SDG INDICATOR 7.2

Target 7.2: By 2030, increase substantially the share of renewable energy in the global energy mix

- **The renewable energy share in total final consumption is the percentage of final consumption of energy that is derived from renewable resources.**

- **Renewable energy consumption includes consumption of energy derived from: hydro, wind, solar, solid biofuels, liquid biofuels, biogas, geothermal, marine and renewable waste. Total final energy consumption is calculated from balances as total final consumption minus non-energy use.**

The UBOS - Experience

UBOS undertakes data collection through a number of ways among others include:

1. **Censuses**
2. **Regular Surveys**
3. **Baseline Surveys**
4. **Administrative Data**
5. **Mainstreaming Energy statistics compilation into the National statistical system**

1. CENSUSES

The Bureau undertakes several Censuses at regular intervals. These censuses are both Social and Economic in nature.

- Population censuses
- Censuses of Agriculture and Aquaculture
- National Livestock Census
- Censuses of Business Establishments

All these undertakings have energy indicators which can be used to measure the

2. SURVEYS

The Bureau undertakes several surveys at regular intervals. This surveys are both Social and Economic in nature.

For Social surveys, these are mainly household based and mainly cover socio-economic characteristics, behaviour patterns, attitudes and perceptions of the Households.

For economic surveys they cover **thematic area will focus on the Agriculture, Environment, Business, Industry, Infrastructure, External Trade, Price and Government Finance Statistics. In addition, compilation of key economic indicators and compilation of national accounts will be covered under this thematic area**

2.1Uganda Demographic and Household Surveys

The 2016 Uganda Demographic and Health Survey (2011 UDHS) was designed as a follow-up to the 1988/89, 1995, 2000-01, 2006, 2011 Uganda DHS surveys.

The main objective of the 2016.

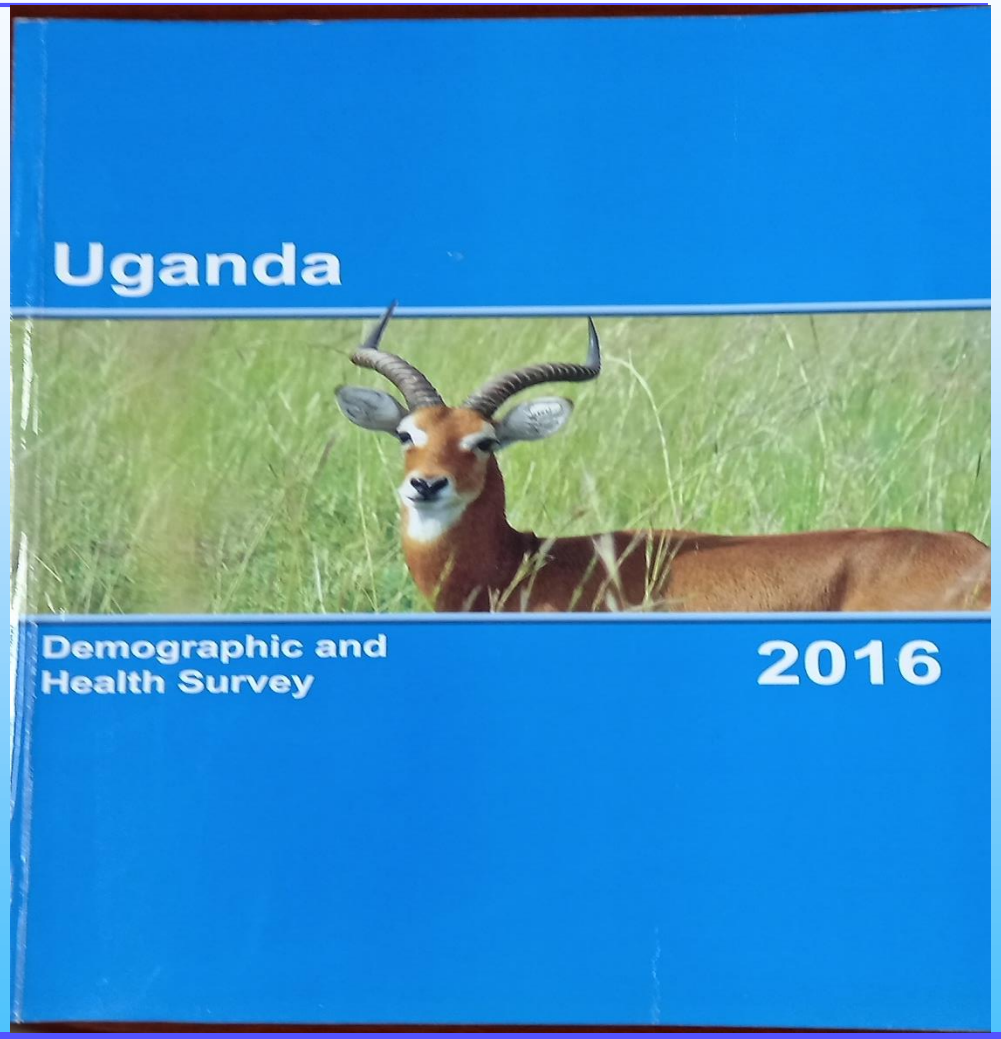
To provide up-to-date estimates of basic demographic and health indicators. Specifically, the 2016 UDHS collected information on:

- **Key demographic indicators, particularly fertility and under 5, adult and maternal mortality rate**
- **Obtain current statistical data on the Ugandan population's demographic characteristics, family planning efforts, maternal mortality, and infant and child mortality.**
- **Collect information on health care services and activities, antenatal, delivery, and postnatal care, children's immunizations, and management of childhood diseases.**
- **Housing characteristics that reflect the household's socioeconomic status in society.**

One of the Characteristics is Energy used for Cooking and Lighting

Energy questions – UDHS

- Electricity 01
- Lpg/Cylinder Gas 02
- Biogas 04
- Kerosene 05
- Charcoal 07
- Wood 08
- Straw/Shrubs/Grass 09
- Agricultural Crop 10
- Animal Dung 11
- No Food Cooked In Household …….95

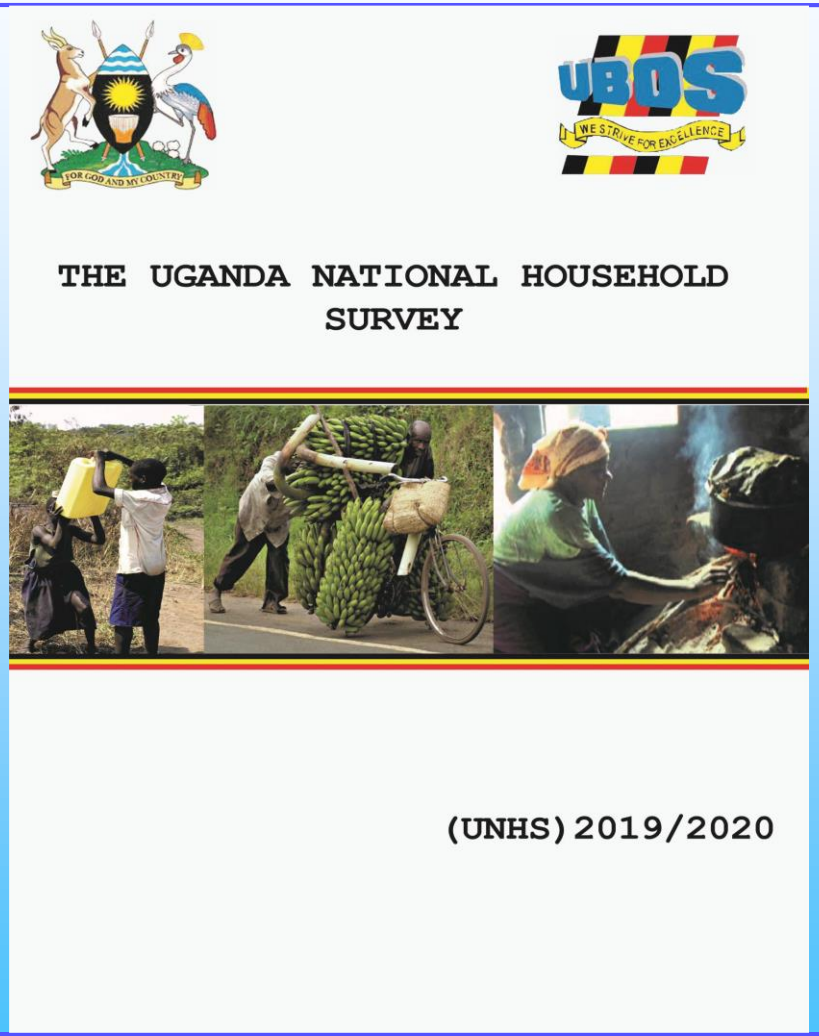


2.2 National Household Surveys (UNHS)

Household surveys are an important source of information for monitoring outcome and impact indicators of international and national development frameworks.

Since 1989, the Uganda Bureau of Statistics (UBOS) has conducted large-scale surveys that have nationwide coverage.

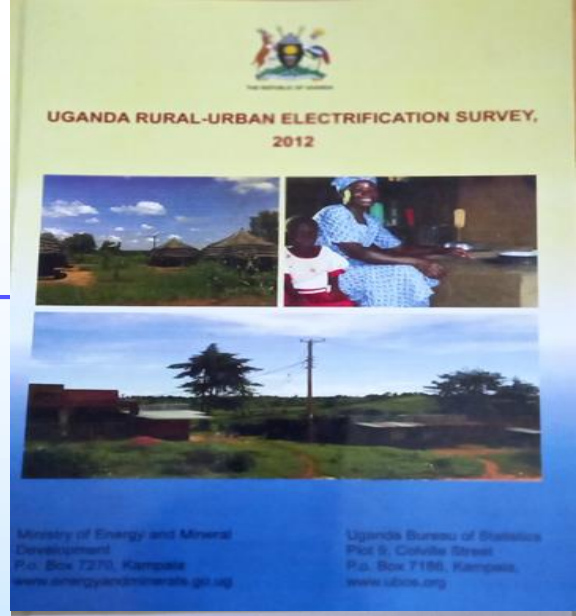
The UNHS also collects information on Household conditions such as the main type of fuel used for lighting and cooking; cooking technology.

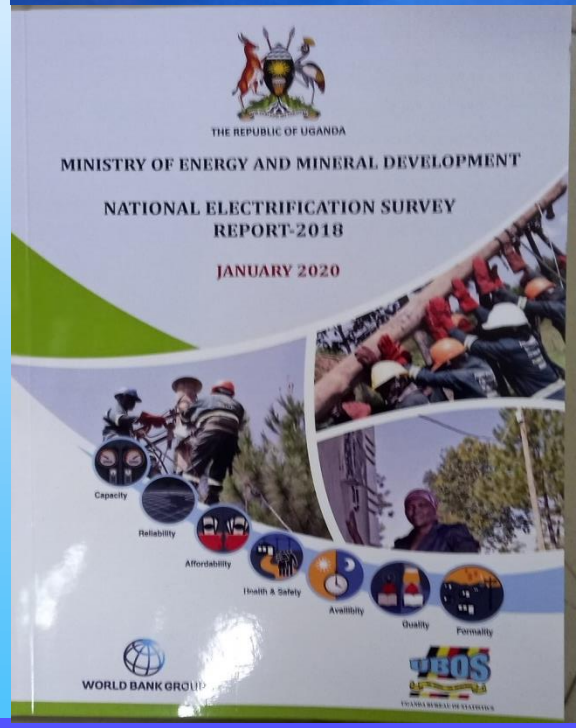


3.0 Baseline Surveys e.g. ERT

- **Energy for Rural Transformation (ERT) is a government of Uganda Program-world bank supported program that commenced in 2001 to address the key development challenges of low industrialization, unemployment and slow socio-economic transformation associated with inadequate infrastructure particularly energy.**

- **So far, three ERT programs have been implemented but in different areas each with different specific objectives**





4.0 Administrative Data

The Bureau also collects administrative data on Energy. Administrative data refers to information collected primarily for administrative (not research) purposes.

This type of data is collected by government departments and other organizations for the purposes of registration, transaction and record keeping, usually during the delivery of a service.

- **From the Ministry of Energy and Mineral Development**
- **Electricity generation, Sales, and number of customers**
- **Electricity Tariffs**
- **Energy Loses**
- **Geographical distribution**

5.0 Mainstreaming energy statistics into the National Statistical System

- **UBOS is mandated to ensure the production of quality and timely demand driven official statistics for planning, coordinating, monitoring of Government programs and indicators such as the SDGs.**

- **The Bureau through its directorate of statistical coordination ensures that key indicators are mainstreamed into the statistical process**

5.0 Mainstreaming Energy statistics in the NSS*…cont*

- **Formation of technical working groups with relevant agencies: comprising of the Ministry of Energy and Minerals Development; the Ministry of Water and Environment; UBOS and the Ministry of Works and Transport**
- **Focal contact persons selected to represent the sector at NSS fora**
- **Advocating for awareness and importance of statistics to key government officials and planners through meetings.**
- **Strengthening human and IT infrastructure in the statistical units in the agencies through refresher courses by SSAE**

SDG IMPLEMENTATION PROGRAM

- **The Office of the Prime Minister (OPM) established the SGD Coordination structure and framework in 2016 with five multi-stakeholder Technical Working Groups (TWGs) comprising of Government Ministries, Departments and Agencies; Private Sector; Civil Society; and Development Partners.**

- **UBOS was designated as the lead agency responsible for coordinating the compilation of statistics with a focus on indicator prioritization, data availability, gaps and challenges among others.**

SDG Implementation.. *cont*

In order to populate the data points and ensure continuity of compilation of SDG indicators and to facilitate monitoring and reporting, the UBOS was tasked to among other objectives to:

I. **Build consensus** on the progress and status of the compilation of indicators for SDG 7 and 9 targets for Uganda

II. **Establish linkages** between global and national-level monitoring indicators on the SDG

III. **Identify entry-points** for customising SDG target indicators to suit the national context and integrate into the sector monitoring framework.

IV. **Generate strategies** for sustainable production of quality data reporting on SDGs.

Publications for energy statistics

There has been no stand alone publication on energy sub-sector statistics.

Most publications such as the Annual Statistical Abstract produced by the Bureau include components of the sub-sector statistics

This limits and renders inadequate information on the sub-sector

Challenges

- Limited dissemination, publication and uptake of key statistics and indicators available for SDG monitoring and reporting.
- Limited disaggregation of data and small area statistics.
- Limited coverage of surveys.
- Limited Statistics personnel in MDAs /HLGs.
- Limited Coordination of community generated data and big data

CONCLUSION

- Integrate all SDG indicators into national surveys, censuses and administrative data compilation in the NSS.
- Maintain, update and sensitize users on the available data in the Open data Portal for SDG indicators and the SDG dash board at the SDG secretariat to increase uptake and demand.
- Strengthen MDA and selected CSOs data systems to ensure consistency in administrative data production and management in MDAs and HLGs.

CONCLUSION….cont

- Formation of technical working groups with relevant agencies: comprising of the Ministry of Energy and Minerals Development; the Ministry of Water and Environment; UBOS and the Ministry of Works and Transport
- Focal contact persons selected to represent the sector at NSS
- Advocating for awareness and importance of statistics to key government officials and planners through meetings.

THANK YOU

"Alone we can do so little; together we can do so much."

– Helen Keller