

# **KENYA'S EXPERIENCE ON WORLD ROAD STATISTICS DATA WAREHOUSE PORTAL AND BENEFITS FROM COLLABORATION WITH IRF**

**MACDONALD GEORGE OBUDHO MBS,  
DIRECTOR GENERAL,  
KENYA NATIONAL BUREAU OF STATISTICS**

# Outline

---

- About Kenya National Bureau of Statistics
- Importance of quality statistics
- Our data users
- International Road Federation (IRF) collaboration with KNBS
- Which indicators are shared in the data portal?
- Experience on the World Road Statistics(WRS) data portal
- Benefits of collaboration with IRF
- Areas for further collaboration

# About KNBS

---

- The Kenya National Bureau of Statistics (KNBS) is the principal Government agency responsible for collecting, analyzing and disseminating official statistics in Kenya.
- The agency plays a critical role in national development by providing credible statistical information for evidence-based policy decisions.

# About KNBS

---

- In executing its mandate, the Bureau is in cognizant of the role it plays in the integration and actualization of the aspirations of the National and International development agendas, key being; Kenya's National Development blue-print "Vision 2030" and "The Agenda 2030 for Sustainable Development (SDGs)".
- The SDGs outlines 17 development goals with varied indicators to be achieved for a sustained development.

# Importance of quality statistics

---

- Goal 9 of the SDGs envisages quality, sustainable and resilient infrastructure to support economic development and human well-being, with a focus on affordable and equitable access to all.
- The Kenya Vision 2030 also indicate key focal areas such as infrastructure development to enable the Country achieve sustained growth for all.

# Importance of quality statistics

---

- KNBS believes that quality data ensures better policies.
- Against this background, the Bureau undertakes its mandate to ensure that quality statistics are produced to meet the dynamic needs of data users through use of best practices and methods in the production and dissemination of statistical information.

# Importance of quality statistics

---

- The Bureau reports transportation and storage statistics on its publications on a monthly, quarterly and annual basis.
- Some of the statistical indicators KNBS reports include statistics on:
  - Port throughput
  - Road transport
  - Rail transport
  - Storage

# Our data users

---

- Data users include the government, private sector institutions, international organization, academic institutions, private researchers, the general public, among others.

# IRF Collaboration with KNBS

---

- To achieve its core - mandate, KNBS partners with stake holders such as data providers, data users, international organisations among others to ensure provision of comprehensive statistical information on transportation and storage statistics that meets both internal and international statistical needs.

# IRF Collaboration with KNBS

---

- The interaction between International Road Federation and KNBS started in 2012 when a bilateral meeting was held.
- The outcome of the meeting was a request to KNBS to provide annual transport statistics for dissemination by International Road Federation through World Road Statistics Report.

# IRF Collaboration with KNBS

---

- In 2019, the Bureau was requested to participate in the Global Road Data Warehouse Pilot programme, an activity that intended to have country experiences from the interaction with IRF web-based global road data platform known as Data Warehouse.
- The Bureau was tasked with feeding the data into the data portal and giving feedback on the experience to help IRF improve on the portal before adopting it for use.

# Which indicators are shared in the data portal?

---

- Road Transport value of output
- Expenditure on road maintenance
- Expenditure on road construction
- New Registration of motor vehicles
- Number of registered motor vehicles
- Reported road traffic accidents
- Road network coverage
- Railway traffic

# Experience on the WRS Data Portal

---

- The Data Warehouse is intended to deliver value by improving data collection methods, storage, sharing, analysis, and improved usage to provide more effective data driven policies and activities.
- This came at the right time when road safety has received spotlight through the Global Decade of Action for Road Safety (2011-2020).

# Experience on the WRS Data Portal

---

- The Bureau found Data Warehouse portal user friendly and easy to navigate for submission of data.
- In addition, the portal is interactive and data can be checked in real time.
- In case of clarification needed, the Bureau was able to get a real time feedback which is contrary to offline excel data request template which took long before addressing the clarification.

# Experience on the WRS Data Portal

---

- The portal enables one to feed in the available data as they await other data sets.
- This enables validation to be done in a quick and prompt manner hence avoiding delays in submission.
- The pilot experience together with the IRF annual World Road Statistics enabled the Bureau to identify data gaps in transport and storage statistics produced and disseminated.

# Benefits of Collaboration

---

- International Road Federation has continued to partner with Kenya National Bureau of Statistics to rally for support around collection and management of data for both national and regional use.
  - This collaboration has, in turn, significantly contributed to capacity building in compilation of transport statistics.
  - The Bureau has benefited from the EU Manual for compilation of transportation and storage statistics.
  - The Bureau has benefited by learning from international best practices in the compilation of transport statistics.
  - The Bureau was able to identify data gaps in the transportation and storage statistics.
  - Expansion of coverage of transportation and storage statistics -e.g. storage statistics, CO2 emissions, etc

# Benefits of Collaboration

---

- Sharing knowledge on green house gas emissions data.
- Insights on the compilation of storage statistics.

# Areas for further collaboration

---

- Bureau has been working with IRF in order to expand the coverage of indicators produced.
- The expanded coverage of transportation and storage statistics will go along way in informing better policies.
- For instance, the Bureau has limited statistical information on carbon emission, storage, energy consumption and traffic statistics.

# Areas for further collaboration

---

- It is in this regard that the Bureau is seeking further collaboration through technical assistance to enable us to produce better transportation and storage statistics for better policy making.
- The identified areas of collaboration are as follows:
  - CO2 Emissions-Green house gas emissions statistics
  - Storage and Warehousing Statistics
  - Statistics on energy consumption in the Transportation and Storage Sector.

# Areas for further collaboration

---

## C02 Emissions

- The Bureau is seeking to expand its statistics to include carbon emissions within the transport sector.
- The creation of a greenhouse emission inventory will be of great importance to facilitate adherence of the country's international obligation on climate change, as well as tracking the implementation of climate actions in the sector.
- In this regard, the Bureau would like to partner with IRF to build capacity for its officers. This initiative will equip the officers with the necessary skills and knowledge to collect, compile and report on sectoral greenhouse related statistics.

# Areas for further collaboration

---

## Storage and Warehousing Statistics

- The Bureau is also seeking to expand its storage and warehousing statistics.
- To achieve this, Bureau is currently developing a framework for the collection and reporting of storage and warehousing statistics.
- The Bureau would appreciate a collaboration between the two institutions that would build capacity to enhance storage and warehousing statistics.

# Areas for further collaboration

---

## Energy Consumption Statistics

- The Bureau is also interested in computation of road energy consumption and total primary energy supply.
- This may include gas/oil and motor gasoline consumption.
- This statistics will enable the Bureau estimate the amount of energy that goes into the road transport subsector for better policy and decision making by the government.

Thank you