RELEVANCE OF ENVIRONMENT STATISTICS IN THE NATIONAL STATISTICS SYSTEM

16th June 2021

Prepared by
OUTLINE

♦ BOS Mandate & Divisions
♦ Establishment of EES & Structure
♦ Data sources
♦ Publications & Frequency
♦ Challenges
♦ Conclusion
BOS Mandate

- Mandated by 2001 Statistics Act to coordinate, monitor and supervise the National Statistical System (NSS).
- Also responsible for the formulation of program activities for the development and supervision of the National Statistics System.
BOS Divisions

- Environment statistics was merged with Agriculture division prior 2009.
- Realization of the high demand of environment and energy statistics by different users led to the establishment of the Environment and Energy Statistics (EES) division in 2009.
Establishment of EES

- Established in 2009 with six sections;
  1. Energy
  2. Air & Climate Change
  3. Biodiversity
  4. Water & Sanitation
  5. Solid Waste
  6. Land Use & Cover
Why EES?

- Information used to monitor implementation of the NSDP and SDGs, Agenda 2063
  - Goal 6: Clean Water and Sanitation
  - Goal 7: Affordable and Clean Energy
  - Goal 13: Climate Action
  - Goal 15: Life on Land
Data Sources

- Data is mainly secondary from various sources; Ministries Departments and Agency (MDA) (forestry, Meteorological services, water affairs, petroleum fund etc).
- Primary data is also collected in collaboration with relevant departments.
NSDS Development

- BOS is in the process of development 2020/21 – 2024/25 NSDS II
- Assessment of MDA capacities + identify data gaps for indicators of NSDP II, SDGs, Agenda 2063 etc
  - Employed ADAPT tool developed by PARIS21- a data planning tool where demand meet supply of data
  - Results indicates overall data is available for 66% of indicators
    • Goal 6: Clean Water and Sanitation - 88%
    • Goal 7: Affordable and Clean Energy - 80%
    • Goal 13: Climate Action - 0
    • Goal 15: Life on Land - 78%
Publications and Frequency

- Environment Statistics Report (made up of five sections) - Annually (latest 2019)
- Energy Statistics Report – Annually (latest 2020)
- 2017 Household Energy Consumption Report – 5 yearly
- Sector Energy Consumption Report – working on the first issue
Achievements of the Division

Data used:

- For Energy projections covering 2017-2055 by Department of Energy (DOE)
- In Model for Analysis of Energy Demand (MAED) by DOE
- To address SDG’s (goal 6,7 so far)
- In development of Nationally Appropriate Mitigation Actions (NAMAS) by Lesotho Meteorological Services (LMS)
- Members of Committee for Environment Data Management (CEDAMA) from relevant MDAs meet every quarter
Achievements of the Division

- By researchers (MSC in Sustainable Energy Programme at National University of Lesotho)
- For Lesotho Electrification Masterplan (2017-2038) by Ministry of Energy, Meteorology and Water Affairs
  - Thru the 2017 Data Project, BOS was able to place some statisticians in the departments of Water, Energy and Land Use
Challenges

- Secondary data is kept in admin record and no systems in place
- Data not in appropriate statistical formats
- Outdated data from sources due to lack of funds
- There is also limited expertise and skills in EES division
- To modernise environment data collection with the use of innovative methods
Conclusion

- Need for the consultant to
  - Review the existing data collection instruments and provide technical assistance on the revision and design of such instruments
  - Need to strengthen collaboration and partnerships with relevant MDAs, Development partners and CSO, Business etc
  - Suggest a training and capacity building plan for strengthening the unit
THE END

Thank you for your attention!