



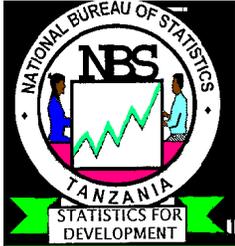
Workshop on Environment Statistics for the East African Community

Tanzania Experience on Compilation of Environment Statistics

Venue: Arusha, Tanzania; Date: 27th – 31st March, 2017



Presented by:
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Statistics and Statistical Analysis - NBS

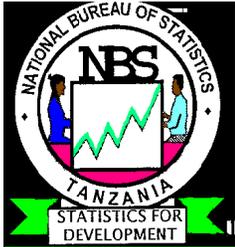


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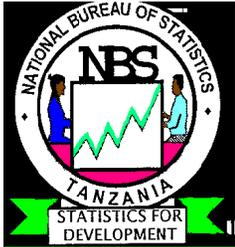
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1. Introduction – Tanzania Country Profile

-  Geographical Location: **Eastern Africa**
-  Total Area covered: **947,600 sq. km**
-  Projected Total Population: **48.8 million in 2015**
-  Unemployment Rate: **10.3%, 2014 ILFS**
-  GDP Growth Rate at 2007 Prices: **7.0% by 2015**
-  Annual Average Inflation Rate: **5.6% by 2016**



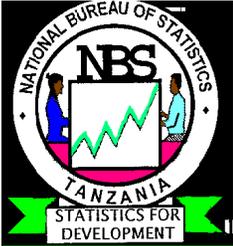


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1. Introduction.... – Conceptualization

- 🌳 Environment statistics describe the **qualitative and quantitative aspects of the state of the environment** and **Interaction** with **human activities and natural events** by integrating data from multiple sources.
- 🌳 Like in other countries, Environment statistics in Tanzania **is an emerging statistical field in official statistics** and **it is essential for evidence-based policies and decision making to support sustainable development.**
- 🌳 Out of the three pillars for Sustainable Development which focus on **economic development, social inclusion and environmental sustainability**, the environmental pillar is the weakest in terms the **availability and quality** of statistics... so much effort is needed.



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1. Introduction: ...Environmental Concerns...Globally

-  Quality Environment statistics are more important now than ever at both global and national levels
-  At Global level, the world is focusing attention to address environmental concerns like **climate change, extreme events and disasters, loss of biodiversity, deforestation, etc.**

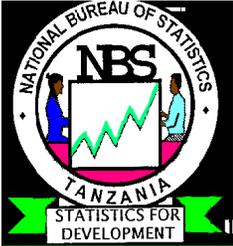


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1. Introduction: ...Environmental Concerns..Regional Level

-  Environment statistics are needed for monitoring the various regional requirements such as cooperation in environment and natural resources management as stipulated in the EAC Treaty, Chapter 19.



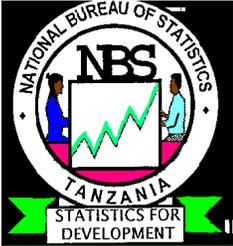
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1. Introduction: ...Environmental Concerns..National Level

 In Tanzania, data on environment are needed to better monitor environmental issues such as:-

- Land degradation;
- Water resources degradation and pollution;
- Aquatic resources degradation;
- Loss of wildlife habitats and biodiversity; invasive alien species;
- Deforestation;
- Urban pollution;
- Climate change; Modern biotechnology; E-waste; and Biofuels.

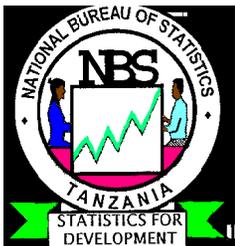


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1. Introduction: ...Main Uses

-  To mention few, Environment Statistics are used in Monitoring National and International Development frameworks such as:
- Tanzania Development Vision 2025
 - FYDP II, 2016/17 – 2020/21
 - National Environment Action Plan, 2012 – 2017
 - SDGs, 2030 Development Agenda and
 - The Africa Development Agenda, 2063

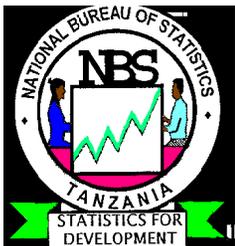


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2. Some Key Environment Statistics in Tanzania

Environmental Topic	state of the Environmental Topic
Forests and Woodlands	48.1 million hectares (55% of the total land)
Rate of deforestation	372,816 ha per year
Annual average rainfall	Ranges from 200 to 2000 mm
Water Resources	59,050 km ² of inland water bodies 6% of land area is covered by Lakes/ rivers
Biodiversity	Tanzania ranks fourth in Africa in terms of the number of mammals (at least 310 mammal species)

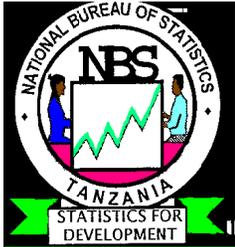


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2. Some Key Environment Statistics in Tanzania...

Environmental Topic	state of the Environmental Topic
Municipal Waste	<p>More than 10,000 tonnes of municipal solid waste is generated per day countrywide</p> <p>On average, about 50% of solid wastes generated in urban areas are collected daily and disposed</p> <p>Note: most of the wastes are generated from manufacturing and households</p>
Energy Resources	<p>Coal reserves have been estimated at 1.6 billion tonnes of which 304 million tonnes have been confirmed.</p> <p>Natural gas exists in Tanzania with proven reserves of about 55 Trillion Cubic Feet</p>
Invasive Alien Species (IAS)	<p>Tanzania has 67 reported IAS of different categories including plant pathogens, pests, aquatic and terrestrial weeds, animals and trees</p>

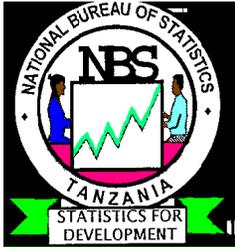


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3. National Efforts in Promoting Environment Statistics

- 🌳 Tanzania has made a great effort in promoting environment statistics including:-
 - Enactment of Statistics Act, 2015 which mandates NBS to produce and coordinate production of Official Statistics within the National Statistical System.
 - Establishment of Environment Statistics Department within the NBS to better coordinate compilation of environment statistics from different institutions
 - Annual publication on Environment Statistics....latest - 2014
 - Establishment of National Technical Working Group on Environment Statistics.
 - Alignment of the TSMP priorities with the FYDP II which will also respond to Tanzania Vision, 2025, SDGs and Africa 2063 Development Agenda.
 - Development of Environment Statistics compendium

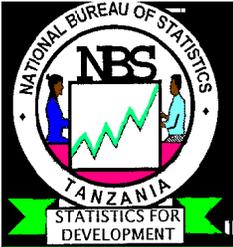


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3. National Efforts in Promoting Environment Statistics.....

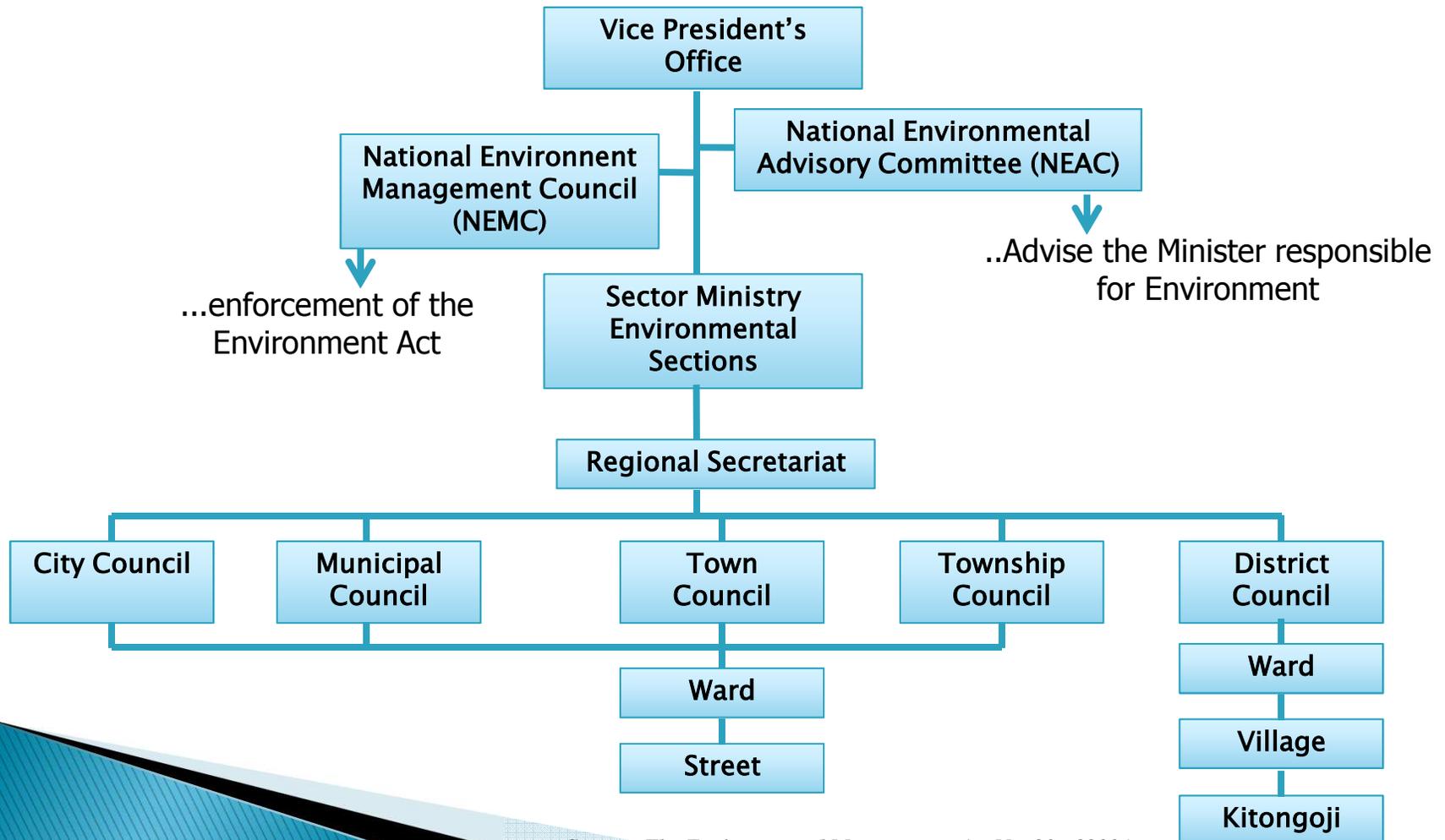
- **Mainstreaming environmental concerns** into development policies, strategies and programs, for example:
 - Formulation of the National Environmental Policy (1997); Currently under review
 - Enactment of the Environmental Management Act No. 20 of 2004
 - National Environmental Action Plans (NEAP) in the interval of 5 yrs
 - Ratification and implementation of various Multilateral Environmental Agreements (MEAs).
- Domestication of the Environmentally-Related SDG Indicators in Tanzania
- Implementation of the Framework for the Development of Environment Statistics (FDES 2013) and ESSAT in Tanzania.



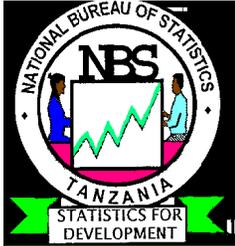
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4. Institutional Framework for Environmental Management in Tanzania



Source: The Environmental Management Act No. 20 of 2004

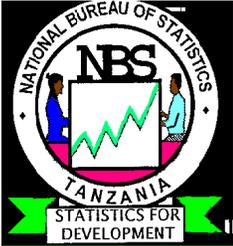


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5. Domestication of the Environmentally-Related SDG Indicators in Tanzania

- 🌳 International environmental issues relevant to Tanzania has been relatively **well integrated in the National Development Plans.**
- 🌳 Domestication of SDGs indicators in Tanzania has played a vital role in promoting production of official statistics including environment statistics;
 - Conducting Workshops to crates awareness and ownership
 - Development of Data Road Map...
 - Training on the Advance Data Planning Tool (ADAPT) – PARIS21
 - Mapping of the FYDP II indicators with the SDGs

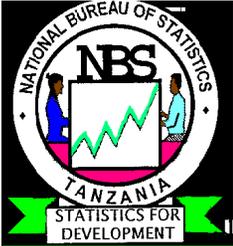


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5. Domestication of the Environmentally-Related SDG Indicators in Tanzania

- Domestication of SDGs indicators in Tanzania
- Identification of other relevant SDGs indicators not reflected in the FYDP II for special planning
- Identification of environment related SDGs indicators and
- Other thematic group discussions to fill the data gaps - in progress



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6. Implementation of ESSAT and FDES, 2013

- Another interesting development in promoting environment statistics in Tanzania is the application of ESSAT and the FDES 2013.
- These tools are important in **data gaps assessment** with regards to the **national relevance, importance, availability, and sources** of statistics as outline in the **Basic Set of Environment Statistics (FDES 2013)**.
- It helps harmonisation of methodologies and avoiding duplication of work.



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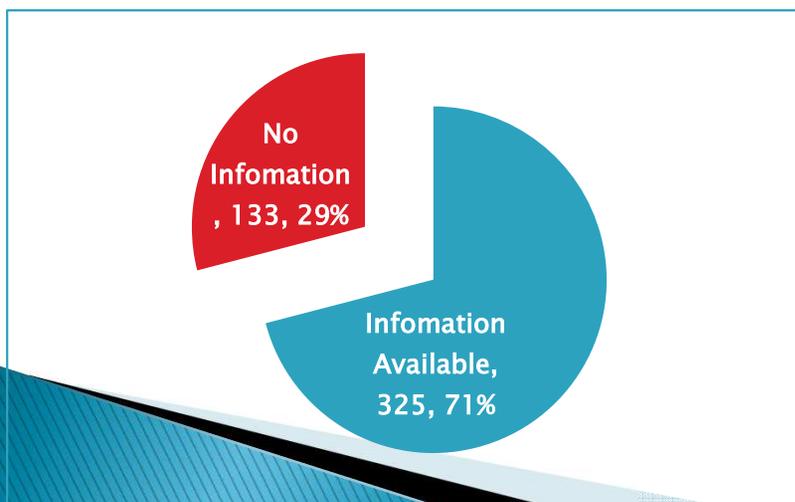


6. Implementation of ESSAT and FDES, 2013... – General Overview

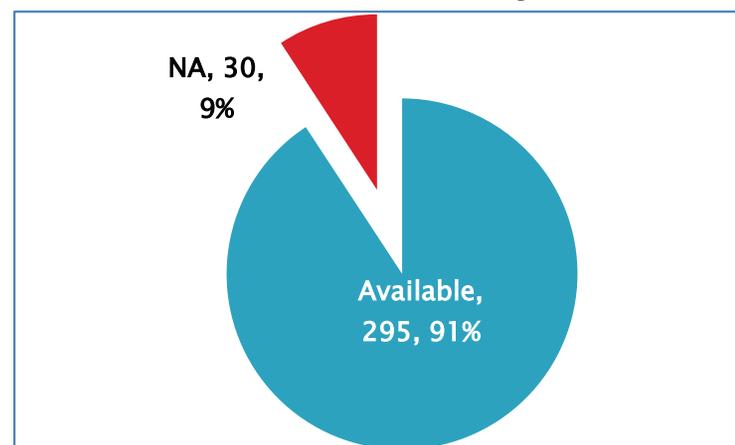
□ Criteria used

- Availability
- Reasons for not Available
- Relevance
- Tier Classification

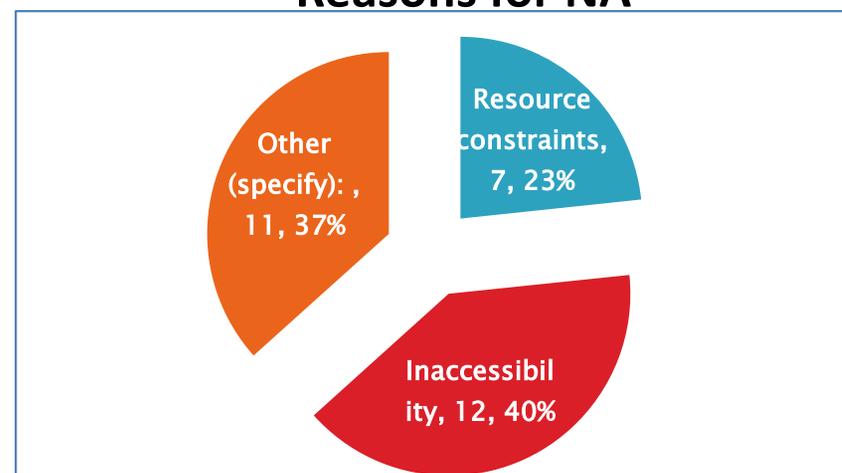
Availability of Information

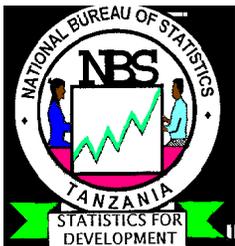


Availability



Reasons for NA



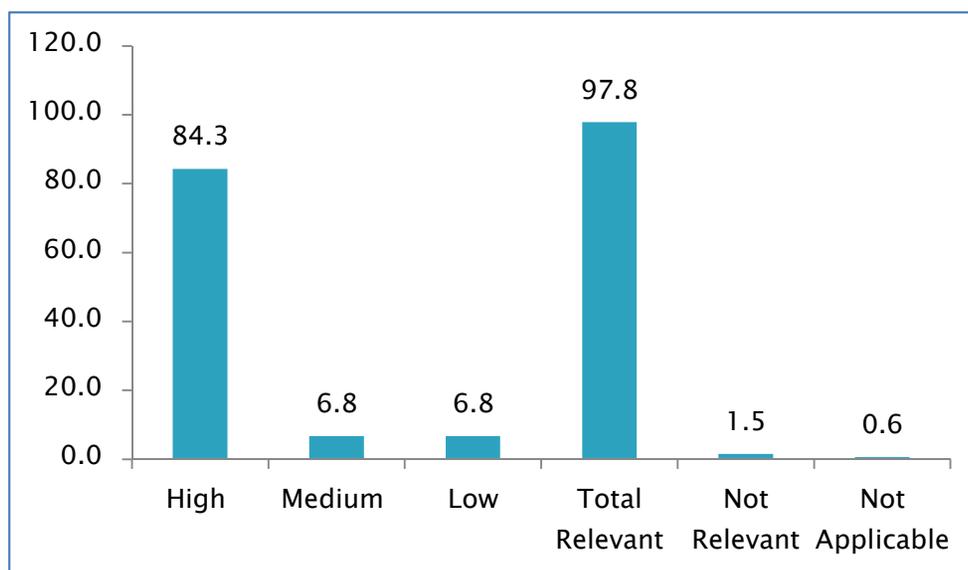


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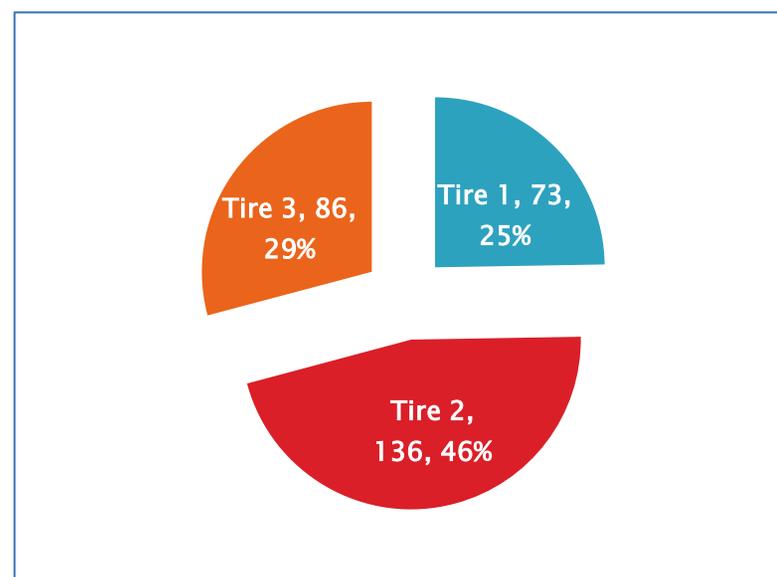


6. Implementation of ESSAT and FDES, 2013.. – General Overview...

Relevance of the Data for given Information (%)

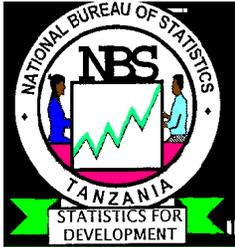


Tier Classification for available indicators



Data Gap Assessment, FDES, 2013 – General Overview





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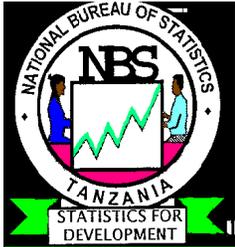


7. Challenges and the Way Forward

Challenges:

 Despite the **Country commitment** to promote production of environment statistics and mainstreaming of environmental concerns into development programs:–

- Monitoring and measurement of the environment indicators remain a challenge due to **insufficient production of data**
- Inadequate capacity in compilation of environment statistics at national level
- Absence of international guidelines for the compilation of some areas of environment statistics



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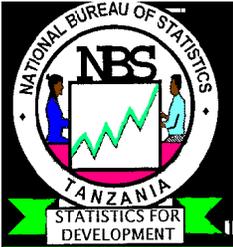


7. Challenges and the Way Forward....

The Way Forward:

The following are important in strengthening production of environment Statistics:-

- Application of Data Revolution initiatives
- Strengthening of institutional capacities
- Application of ESSAT and FDES 2013
- Review the draft UNSD Manual on the Basic Set of Environment Statistics as outline in the FDES, 2013



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Together we can make a difference

Asanteni!

