QUALITY ASSURANCE
Of
NEW AND ADMINISTRATIVE DATA SOURCES

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Outline

- Background
- NSS Coordination
- NSDS
- NQAFS
- Some Administrative data
- Administrative data as OS
- Quality standards and reviews
The Statistics Act (Act. No.9 of 2011), part II

- NSA Mandate
  - collect, analyze & disseminate official & other statistics
  - Develop & Coordinate the NSS & NSDI
✓ The Act empowers the NSA to:

✓ be a repository of all statistics in Namibia
✓ collect, produce, analyze and disseminate statistics
✓ coordinate the production of high quality statistics and spatial data
✓ develop statistical policies, standards and guidelines
✓ advice the Minister on all matter statistics

✓ The Act empower the SG to designate statistics as “official” statistics (Act: 37 (1))
NSS Coordination

Respondents

NSA

Training Institutions

Users

Producers

Research Institutions
Coordination of NSS

- Improve deficiencies in the NSS
- Improve Admin Data Sources
- Resource mobilization
- Improve data quality & Scope
- Save cost

Why coordinate?

Coordination of NSS
# NSDS Strategic Direction

<table>
<thead>
<tr>
<th>Goal</th>
<th>Description</th>
<th>Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Greater use of statistics for policy, planning and decision-making</td>
<td>Increased uptake and use of statistics</td>
</tr>
<tr>
<td>2</td>
<td>Efficient and Effective data processes</td>
<td>Statistics that are “fit for purpose”</td>
</tr>
<tr>
<td>3</td>
<td>Better funded National Statistics System</td>
<td>Increase statistical capacity</td>
</tr>
<tr>
<td>4</td>
<td>Improved statistical integration with spatial data</td>
<td>Integrated statistics</td>
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</table>
Key NSDS Initiatives

- Improve data quality
- Increase funding for statistics
- Improve integration with spatial data
- Coordinate infrastructure of digital spatial data, tools & services
- Increase awareness & use
- Improve dissemination
- Strengthen ICT & integration
- Strengthen Statistical Capacity
- Improve data quality
- Increase satisfaction rate
- Stakeholder coordination
✓ The Government commitment to production of high quality statistics is undeniable.
✓ NQAFS break-down

✓ Guideline for quality assurance of Statistical Undertaking
  ✓ 4 Sections
  ✓ 18 Components
  ✓ 82 Elements

✓ Guideline for designating a Statistical Undertaking as "official" statistics
  ✓ 7 Dimensions
  ✓ 69 Elements
## Implementation Plan

### Quality Assessment

<table>
<thead>
<tr>
<th>Stage</th>
<th>No. of NQAFS</th>
<th>No. of Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10</td>
<td>50</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
<td>19</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>13</td>
</tr>
</tbody>
</table>

### Official Statistics

<table>
<thead>
<tr>
<th>Stage</th>
<th>No. of NQAFS</th>
<th>No. of Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>9</td>
<td>44</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
<td>23</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>
### Implementation Plan ...

#### Standards at stage 1

<table>
<thead>
<tr>
<th>Name of standard</th>
<th>Name of standard</th>
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</thead>
<tbody>
<tr>
<td>1. Metadata</td>
<td>4. Data Dissemination</td>
</tr>
<tr>
<td>2. Data Presentation</td>
<td>5. Standardized Code List</td>
</tr>
</tbody>
</table>
Some Administrative data

✓ Civil registration
✓ Electricity
✓ Room and Occupancy
✓ Transport
✓ Beverages
✓ Livestocks
✓ Travellers (Arrivals and Depatures)
✓ Mining
Quality checks

✓ Run basic frequencies
✓ Check for errors
✓ Check for duplicates
✓ Improbable data
✓ Check for missing values
✓ UN DESA - Consultant
✓ Identify administrative data (Labour and Agriculture)
✓ Mapping of administrative data source in Namibia
✓ More than 90% of data need by Labour Statistics have been identified and they should be able to collect them once mechanism for data exchange has been put in place.

✓ More than 90% of livestock data needs by Agriculture Statistics have been identified and they should be able to collect them once mechanism for data exchange has been put in place.
Assessment tool for administrative source

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
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</thead>
<tbody>
<tr>
<td>A. Managing the statistical system</td>
<td>NSAFS Component</td>
<td>Questions</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Do you receive the data directly from the source or from another CMA?</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Are there arrangement agreements (MOUs, contract, service agreement)?</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Are the terms of delivery agreed and documented (such as format of delivery, type of data, frequency etc.)?</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Are the regular meetings</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Notes from meeting</td>
</tr>
<tr>
<td>B. Managing the institutional environment</td>
<td>NSAFS Component</td>
<td>Questions</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>Are there any documentations of processes</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Gaps, limitations</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Changes of processes/data</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>Metadata</td>
</tr>
</tbody>
</table>
Some Quality Standards

✓ NSA subscribes to the following data quality standards:
  ✓ Sampling designs (SD): Random Sample Designs
  ✓ HH Surveys (RR): 80%; Other collections RR to be set
  ✓ Margin of Errors (MoE): 0.05 (5%)
  ✓ Confidence Interval (C.I.): 95%
  ✓ Coefficient of Variation (CV): 0.0%-15%
Quality Review Focus

✓ Flow of information
✓ Spelling and related issues
✓ Layout, presentation of graphs and tables
✓ Methodological soundness
✓ Presentation and interpretation of results
✓ Consistency issues
✓ Assessing accuracy indicators: Response rates, margin of errors and coverage errors
✓ Metadata completeness
Access our platforms

www.nsa.org.na

http://geofind.nsa.org.na/

https://sdgportal.nsa.org
thank you!