

# QUALITY ASSURANCE Of NEW AND ADMINISTRATIVE DATA SOURCES

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6-9 December 2022, Addis Ababa



Namibia Statistics  
Agency

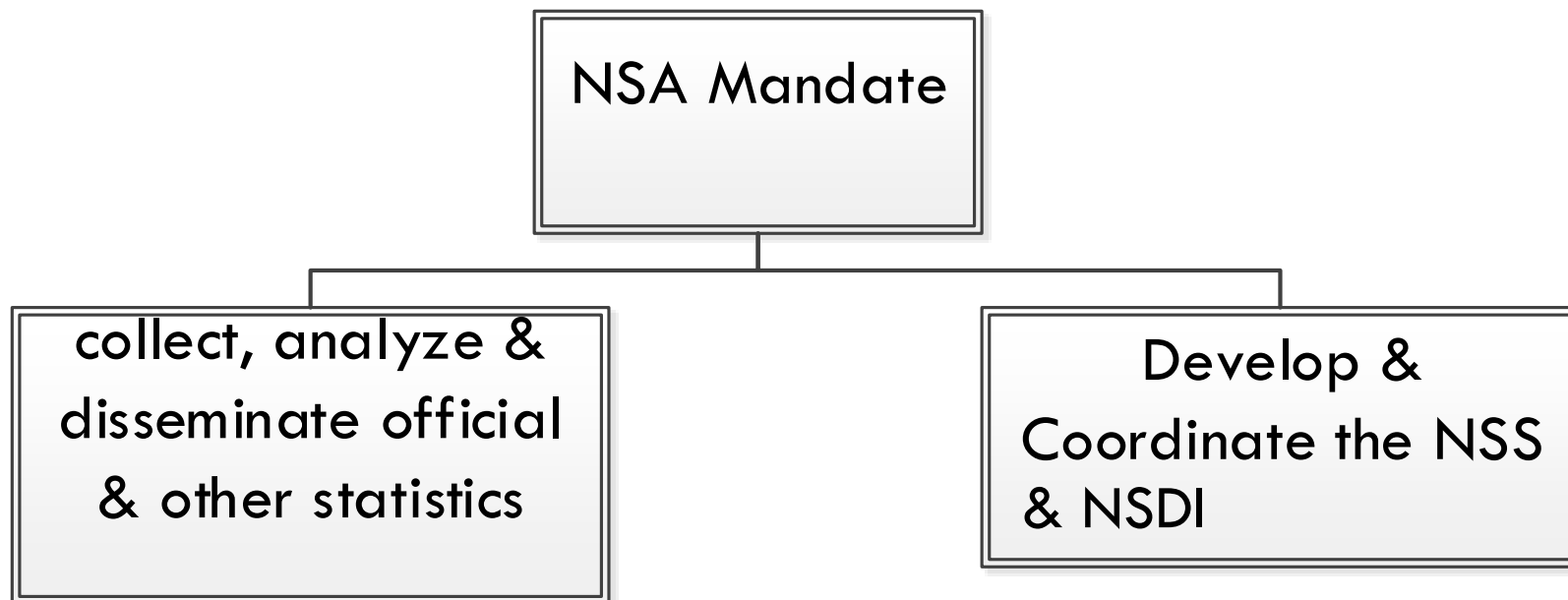
# Outline



- Background
- NSS Coordination
- NSDS
- NQAFS
- Some Administrative data
- Administrative data as OS
- Quality standards and reviews

# Background

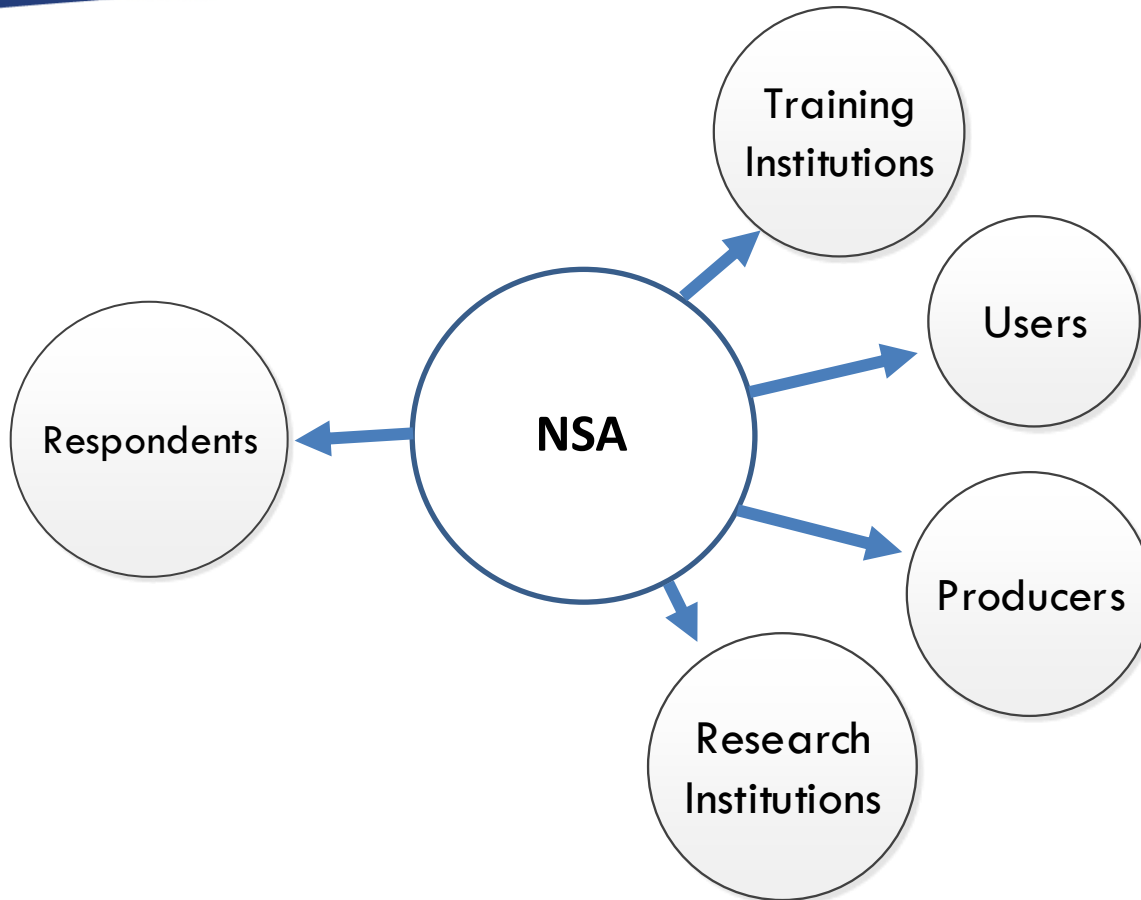
The Statistics Act (Act. No.9 of 2011), part II



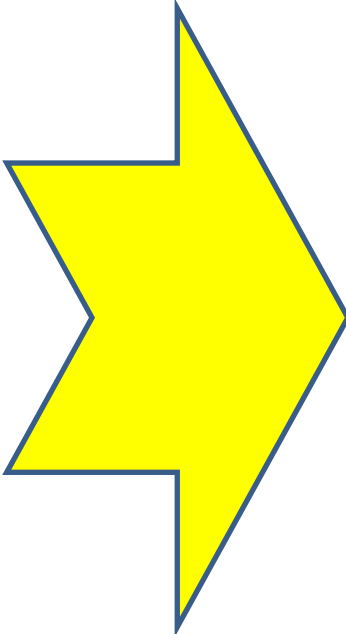
# background....

- ✓ 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



# Coordination of NSS



# NSDS Strategic Direction

## Goal

## Description

## Outcome

1

Greater use of statistics for policy, planning and decision-making

Increased uptake and use of statistics

2

Efficient and Effective data processes

Statistics that are “fit for purpose”

3

Better funded National Statistics System

Increase statistical capacity

4

Improved statistical integration with spatial data

Integrated statistics

# Key NSDS Initiatives

**Increase funding for statistics**

**Improve integration with spatial data**

**Improve dissemination**

**Strengthen ICT & integration**

**Coordinate infrastructure  
of digital spatial data,  
tools & services**

**stakeholder coordination**

**Increase awareness & use**

**Strengthen Statistical Capacity**

**Improve data quality**

**Increase satisfaction rate**



# Namibia Quality Assurance Framework for Statistics (NQAFS)

- ✓ The Government commitment to production of high quality statistics is undeniable



**GOVERNMENT GAZETTE  
OF THE  
REPUBLIC OF NAMIBIA**

NS\$15.20      WINDHOEK - 18 August 2011      No. 4777

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**GOVERNMENT NOTICE**

No. 148      Promulgation of Statistics Act, 2011 (Act No. 9 of 2011), of the Parliament ..... 1

**Government Notice**

**OFFICE OF THE PRIME MINISTER**

No. 148      2011

**PROMULGATION OF ACT  
OF PARLIAMENT**

The following Act which has been passed by the Parliament and signed by the President in terms of the Namibian Constitution is hereby published in terms of Article 56 of that Constitution.

No. 9 of 2011:      Statistics Act, 2011.



# NQAFS Structure

- ✓ 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

Stage	No. of NQAFS	No. of Elements
1	10	50
2	4	19
3	1	13

## Official Statistics

Stage	No. of NQAFS	No. of Elements
1	9	44
2	4	23
3	1	2

# Implementation Plan ...

## Standards at stage 1

Name of standard	Name of standard
1. Metadata	4. Data Dissemination
2. Data Presentation	5. Standardized Code List
3. Statistical Quality Indicators	6. Compendium of Concepts & definitions

NAMIBIA NATIONAL STATISTICS SYSTEM  
DATA AND STATISTICS DIS

Developed by  
Data Quality Assurance and National  
Coordination Department, Namibia

2022

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P.O. Box 2133,  
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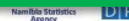
NAMIBIA NATIONAL STATISTICS SYSTEM STANDARD FOR  
STATISTICAL QUALITY INDICATORS

Developed by  
Data Quality Assurance and National Statistics System Coordination  
Department, Namibia Statistics Agency

2022

Namibia Statistics Agency  
P.O. Box 2133,  
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# Some Administrative data

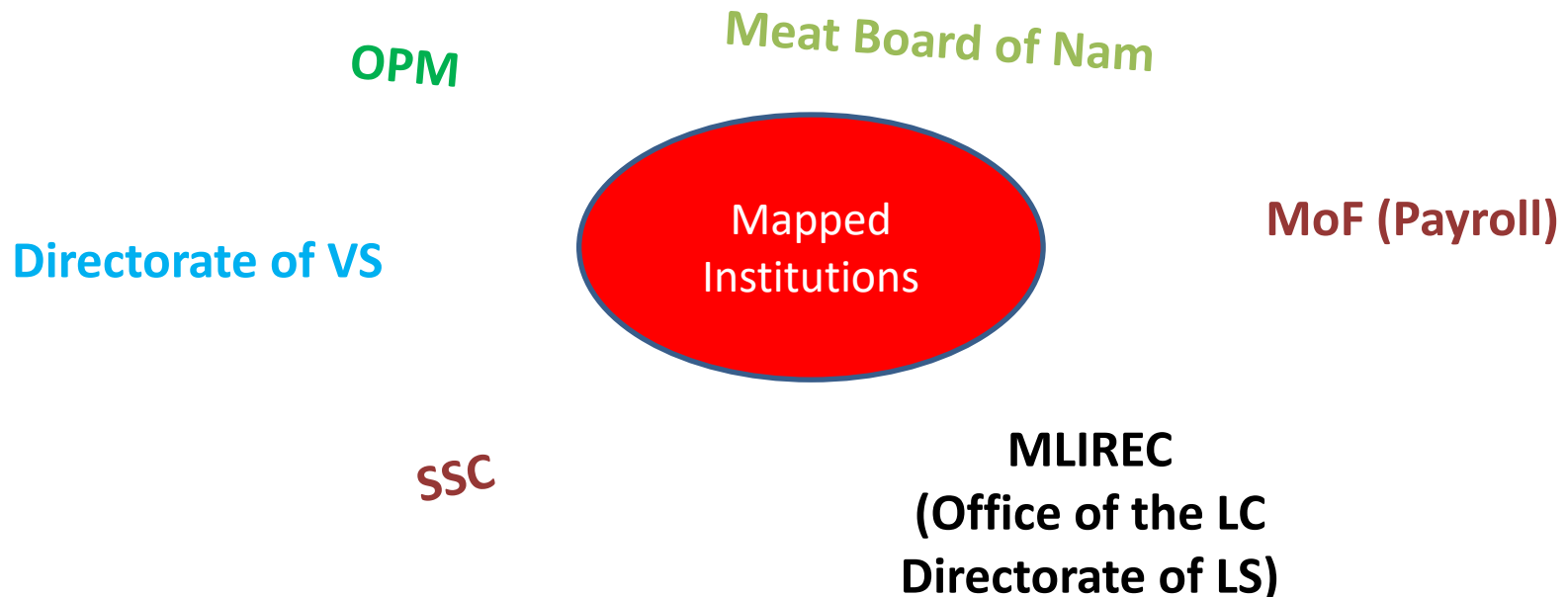
- ✓ Civil registration
- ✓ Electricity
- ✓ Room and Occupancy
- ✓ Transport
- ✓ Beveranges
- ✓ Livestocks
- ✓ Travellers (Arrivals and Depatures)
- ✓ Minining

# Quality checks

- ✓ Run basic frequencies
- ✓ Check for errors
- ✓ Check for duplicates
- ✓ Improbable data
- ✓ Check for missing values

# Administrative data as OS

- ✓ UN DESA - Consultant
- ✓ Identify administrative data (Labour and Agriculture)
- ✓ Mapping of administrative data source in Namibia





# Mapping outcome

- ✓ 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

The screenshot displays the Microsoft Excel application window. The title bar reads "NSA Admin data assesment tool 10102022 - Read-Only". The ribbon is set to "Home". The spreadsheet content is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1																				
2	<b>A. Managing the statistical system</b>	<b>NQAFS Component</b>	<b>Questions</b>	Notes from meeting																
3			Do you receive the data directly from the source or from another OMA?	Are there arrangement agreements( MOUs, contract, service agreement),																
4		[NQAFS 2] Managing relationships with stakeholders	Is there an institutional agreement which formalizes the details of the cooperation and exchange of data? Are the terms of delivery agreed and documented (such as format of delivery, type of data, frequency etc.)?	Are the regular meetings																
5																				
6																				
7	<b>B. Managing the institutional environment</b>																			
8			Are there standard operating procedures or guidelines that define how to process the data?	Are there any documentations of processes																
9			Is there a glossary of concepts and definitions?	Gaps, limitations																
10			Are any deviations from international and national standards for concepts, definitions, classifications and methodology justified and described?	Changes of processes/data																
11		[NQAFS 6] Assuring transparency	Are data accompanied by metadata (description of content, sources and methods) that enable users to understand the data coverage, content and limitations? Is the metadata (structural and reference) included with the transfer of data (either when transferred in house or during transfer between institution)?	Metadata																
12																				

The Windows taskbar at the bottom shows the search bar with "Type here to search", system tray icons for display settings, temperature (32°C), and date/time (4:10 pm, 22/11/2022).

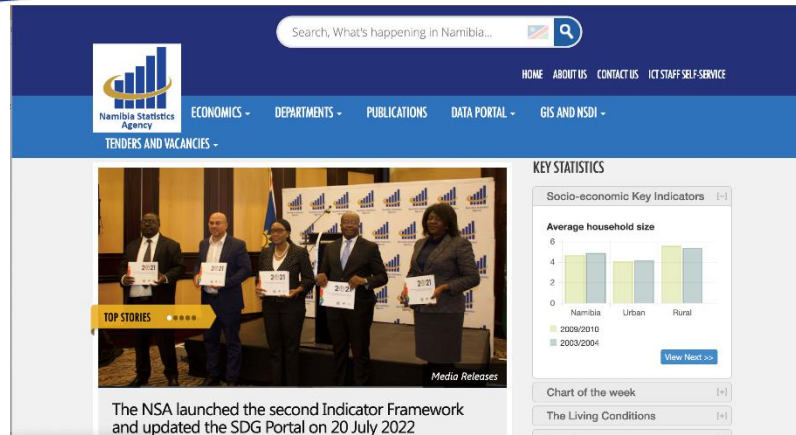
# Some Quality Standards

- ✓ 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://www.nsa.org.na)

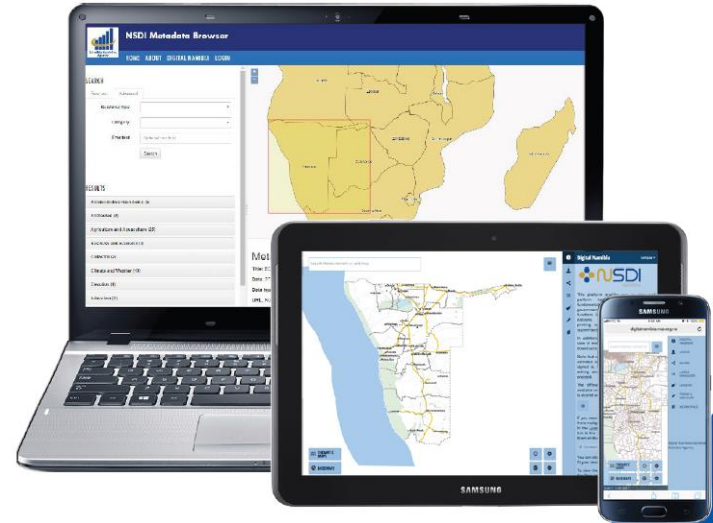


## NAMIBIA DATA FOR SUSTAINABLE DEVELOPMENT GOALS

Click on each goal, or search, for Namibia statistics for Sustainable Development Goal global indicators.



<https://sdgportal.nsa.org>



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



thank you!