Data and Metadata Sharing and Exchange, Kigali, Rwanda: 18 to 21 September 2018

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Outline

- Background
- Data & Metadata Sharing and Exchange
  - History, partner and process
  - Motivation and Driving Initiatives
- Challenges
- Conclusion
BACKGROUND
Data & Metadata Sharing and Exchange
The Statistics Act 2007 established a National Statistical System (NSS)

The NSS comprises of data producers, suppliers of administrative records, analysts; and users.

Producers and Suppliers include NBS as coordinator, State Statistical Agencies (SSAs)/State Bureau of Statistics (SBS), PRSDs in Federal Ministries, Departments and Agencies (MDAs); PRSDs in State MDAs, Statistics Units of Local Government Councils (LGCs), Households and Establishments. Central Bank of Nigeria and National Population Commission

Analysts and Users include Policy and Decision maker, Researchers and Academicians in Universities, Research Organisations, Corporate Planning Units of Public and Private Sector Organisations and Non-Government Organisations (NGOs), International Organisations, Students, Media etc.

Data shared with and between these agencies
How it was ➔ How it should be

As it used to be

As it is
Develop Statistics Grid

- Inter Ministerial Committee on Harmonization and Exchange of Official Stat
- Interconnectivity of MDAs
- Adoption of Mobile data collection.
- MDAs sign Bond on Data Dissemination
- Shared data as Open Data, metadata and methodology as well shared
- ICT Policy for the entire NSS
Participation

- Pilot MDAs were selected this include FMF, CBN, Office of the Accountant General, NBS, Budget Office and Debt Management office.

- Each participating MDA are require to:
  - committed to using the adopted standard;
  - appoint a desk officer ; and attend review meetings
  - Prepare metadata that describe there respective data produce and disseminated as official statistics, and
  - MDA are requested to update their metadata as at when there is significant changes in their statistical practices or plans for improvement take place.
Vehicles of running SDMX standard and interoperability

- At Federal Level: Compendium of Statistical Terms, definition, concepts and methodology

- At Subnational Level: SSYB Template

Diagram:

- Coverage, Scope, Uses and Users of Statistics
- Sources and methodologies
- Current Methods of data Storage and Dissemination
- Database Coding System

NSYB

NC Zone
NE Zone
NW Zone
SE Zone
SS Zone
SW Zone
Common System in Mind

Database
MIS

Database 1
Database 2
Database 3
Database 4
Database 5
Database 6
Database X

Data Supplier
Researcher

Individual

Data Collectors

Policy Maker
Media
Int. Org

Reports

Data Supplier

Initiative and motivation

- NBS data users includes Policy Maker, Media and all International agencies including Schools and research organizations.

- The Data and Metadata sharing and exchange initiative was introduced to Nigeria by these international organizations:
  - International Monetary Fund
  - OECD
  - AfDB
  - World Bank
  - ECA
Data and Meta Data Sharing & Exchange Implementation

- AfDB OpenData Initiative
- IMF GDDS/SDDS and NSDP
- OECD/World Bank DDI for microdata management
- UNECA ASYB
Most of our database are Relational databases so it makes it very easy to use in SDMX data exchange.

CPI & GDP in an Excel spreadsheet were mapped to a DSD and extract data from the spreadsheet into an SDMX file.

Other files such as CSV were mapped and converted as well.
Use of Web Portal as a Platform for Data Sharing and Exchange

NBS

www.nigerianstat.gov.ng
### Key Indicators

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Month-on-month</th>
<th>Year-on-Year</th>
<th>12 Month Avg. Chg</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPI - All, October 2016</td>
<td>0.63%</td>
<td>18.33%</td>
<td>14.2%</td>
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<tr>
<td>CPI - Core, October 2016</td>
<td>0.75%</td>
<td>18.1%</td>
<td>13.76%</td>
</tr>
<tr>
<td>CPI - Food, October 2016</td>
<td>0.86%</td>
<td>17.09%</td>
<td>13.82%</td>
</tr>
<tr>
<td>By Expenditure, Q1 2015</td>
<td>2.11%</td>
<td>-1.24%</td>
<td>-4.37%</td>
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<tr>
<td>Unemployment, Q2 2016</td>
<td>13.3%</td>
<td>19.3%</td>
<td>49.5%</td>
</tr>
<tr>
<td>Average PMS Price</td>
<td>N145.9</td>
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<tr>
<td>State with Highest Price</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State with Lowest Price</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Premium Motor Spirit,</td>
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</tr>
</tbody>
</table>

**GDP**

By Expenditure:
- Final Household Consumption: -1.24%
- Capital Formation: -4.37%

Unemployment/Underemployment:
- Youth Unemp/Underemp: 49.5%

**NBS MOBILE APP**

Download our mobile app.

**DATA PORTALS**

- NBS Open Data
- NADA
- NBS/IMF NSDP

**FEDERAL REPUBLIC OF NIGERIA**
National Summary Data Page (NSDP)

Data linked from this page correspond to data described in the International Monetary Fund's Data Dissemination Standards. For a fuller explanation of the Data Dissemination Standards and the enhanced General Data Dissemination System in which Nigeria participates, please visit the Data Dissemination Standards home page.

Macroeconomic and Financial Data

- National Accounts (GDP)
- Current Fiscal Position
- General Government Operations
- Central Government Operations
- Central Government Gross Debt
- Depository Corporations Survey
- Central Bank Survey
- Interest Rates
- Stock Market
- Balance of Payments

Macroeconomic and Financial Data: Encouraged Data

- Production Index
- Labor Market
- Producer Price Index
- Financial Soundness Indicators

Demographic and Selected Socio-Economic Indicators

- Population
Easy interpretation of data in spatial format: tables, maps, graphs.
May 2018 Petrol, Diesel, Kerosene and Diesel Prices report published @nigerianstat.gov.ng: Average Price of Cooking Gas per 12.5kg/State-N4298.72 from N4268.95 in April 2018 & N4957.88 in May 2017 - Highest in Benue (N5150), Lowest in Lagos (N3683.33)
Challenges

- Highly disaggregated dataset mandated by the framework are not generally available
- Some specific indicator disaggregation are yet to be developed
- Global SDMX need to be customizable to address the meet the adaptation for sub national needs
- Low capacity within the NSS to champion the initiative
Thank you

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