



# BUILDING A NATIONAL DATA ARCHIVE

## UGANDA'S EXPERIENCE

IASSIST 2008, Palo Alto

Presented by

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# Outline

## Background

## Plan for National Statistical Development (PNSD)

## National Data Archive

- Progress & Challenges
  - Uganda Bureau of Statistics
  - National Statistical System

## ADP Support

## Planned Activities – 2008/2009

## Background

### Uganda Bureau of Statistics

Established in 1998 as

- Central statistics agency in Uganda
  - manages, monitors and co-ordinates the NSS
  - semi-autonomous
  - conducts national surveys and censuses
  - disseminates results/reports
  - provides data to public, researchers, institutions, etc.

## Background

# Status of the National Statistical System

## **Weak and Underdeveloped** — (down 70's & 80's)

- Fragmented statistical production
- Most datasets of very poor quality
- Inconsistent or conflicting results or reports
- Datasets with minimal or no documentation
- No standards (definitions, formats, etc.)
- Badly structured or unstructured datasets
- Datasets not properly archived/backed-up

# Plan for National Statistical Development (PNSD)

- **Comprehensive 5-Year Plan for National Statistical Development (PNSD) adopted in October 2006**
  - Phased development of the NSS
    - ***Commissioned Phase II***
    - collaborative effort with priority sectors  
*(9+8 within government)*
    - **strategic goal 6 is to improve data management and dissemination**
    - **develop a National Statistical Databank (NSD) & National Data Archive**

## ADP Support

- **Focused on PNSD objective 6**
- **The identified weakness provided the framework and motive for the proposed support to**
  - ✓ fill some of the gaps and weakness
  - ✓ build capacity at UBOS and sectors
  - ✓ provide guidance in best practices
  - ✓ encourage data sharing and gathering
  - ✓ help put in place proper policies
  - ✓ provide technical assistance

# Data Archiving Activities

- Based on PNSD objective 6
- **Progress so far**
  - Conducted a national training workshop
    - 9 sectors participated
    - Data Documentation Initiative (DDI) adopted
  - Improved the UBOS website
    - Website has specific pages on data documentation
  - Established a microdata lab at UBOS accessible by sector partners

# Data Archiving Activities

- **Developed metadata for 13 data sets**
  - Survey Metadata uploaded to website
- **Developing a National Data Archive**
  - Linked to UBOS website
  - **Contains**
    - » Metadata for 5 Data sets
  - **Access to microdata**
    - » In process of developing microdata access policy (*Draft in place*)

*NADA & Website hosted on UBOS web server*

[http://www.ubos.org/nda\\_ug/index.php](http://www.ubos.org/nda_ug/index.php)



# Data Archiving Activities

- **Inventory of Datasets in 9 institutions (Phase I)**
  - **IHSN standard form used with modifications**

## *Covered*

- *Ministries; Education & Sports, Agriculture Animal Industry & Fisheries, Health , Local Government , Tourism Trade and Industry, Gender Labour & Social Development,*
- Agencies; Uganda Bureau of Statistics, Bank of Uganda & Uganda Police Force*

*Reported Existing Data Sets - 29*

**Archiving in Other Sectors begins in June 2008**

# Data Archiving Activities

- **Major Challenges**
  - **Inadequate Documentation**
  - **Exclusive “Ownership”**
  - **Data Anonymisation issues**
  - **Delay in Data Dissemination Policy**

# Other Support to Research

- **Developed a Population database**
  - **Integrated Information System**
    - **Multi-format outputs**
  - **Based on real census microdata**
  - **Web-based**

# Planned Activities - 2008

- **Data Documentation - 8 Sectors**
  - I. Documentation, dissemination and preservation of microdata (within Phase I PNSD Partners)
    - I. Conduct a Second National Training Workshop
  - II. International Scientific Conference – June 2008
    - I. Presentation on Microdata management in Africa – *Part of AASDA Activities*
  - III. Undertake inventory of Datasets in 8 more sectors

# Enhancing Professionalism

## Participation at International Levels

- International Scientific Conference - June 2007 & June 2008
- 2007 & 2008 IASSIST Conferences

## Professional Networking

- Building a community of practice in Africa – **AASDA Membership**
  - Inaugural Meeting 10 – 12<sup>th</sup> April (Cape Town, SA)
- Inter-country support, Rwanda, Kenya, Nigeria
  - Capacity Building & Networking

# African Association of Statistical Data Archivists

(AASDA)

Inaugurated 11<sup>th</sup> April 2008 (Cape Town, SA)

## Objectives

- To foster and promote a network of excellence in data service delivery  
Increasing utility through efficient and user friendly bridges
- To provide opportunities for collegial exchange of sound professional practices  
Annual conferences, seminars and quality professional development programs

# African Association of Statistical Data Archivists



## (AASDA)

### Benefits

- Increased support to evidence based planning within Region
  - Advocacy and promotion of:
    - » Documentation and preservation of valuable data
    - » Open access to microdata (easier accessibility)
    - » Exhaustive utility of data (broader analysis & mining)
      - Value for money
    - » Minimized duplication of effort (reduced wastage)

# African Association of Statistical Data Archivists



## (AASDA)

### Benefits

- More applicable experiences shared
  - Similarity in levels of development
    - » Feasible and applicable solutions
    - » More relevant experiences
- Cheaper Technical Support
  - Reduced required facilitation



# African Association of Statistical Data Archivists



## (AASDA)

### Benefits

- Link to other global or regional associations
  - International Association for Social Science Information Service and Technology (IASSIST)



**THANK YOU**