

- Driving the IT Revolution -

## National IT Survey 2017/18 Report

Dissemination Workshop at UBOS Auditorium March 2018



- Background
- Desk research
- Survey overview
- Findings from Ministries, Departments and Agencies (MDAs)
- Findings from Local Governments
- Findings from Households and Individuals
- Recommendations

## **OBJECTIVES OF STUDY**

- Establish status on availability, access and usage, affordability and satisfaction of IT infrastructure, equipment and services among government MDAs, Local Governments, as well as citizens
- Determine level of awareness and satisfaction of IT services among citizens
- Collect data for international benchmarking and for tracking progress towards achieving set development targets e.g. SDGs, WSIS targets
- Identify existing gaps on access and usage of IT systems, applications, infrastructure and services in Uganda and propose policy recommendations to address them

## STUDY METHODOLOGY

- Used mixture of qualitative and quantitative approaches to facilitate triangulation of findings and help enrich outcomes
- Desk research to review a variety of literature and datasets in order to extract key issues relating to IT access and usage
- Key informant interviews and focus group discussions with selected stakeholders
- Survey designed to collect data from MDAs, Local Governments and citizens across the country

## DESK RESEARCH

- Reviewed existing policy, regulatory and institutional framework to determine how this supports or hinders access and use of ICT by both government and citizens
- Benchmarked Uganda's performance on global ICT indices to a selection of neighbouring or similar countries
- Reviewed existing similar studies to establish issues and challenges related to access, perception and use of ICT
- All this informed downstream activities like the design of research instruments



## SURVEY DESIGN

- Survey was designed to be nationally representative
- Designed to provide estimates for the whole country as well as for urban and rural areas
- Sample frame was the 2014 list of enumeration areas from the National Population & Housing Census
- Three questionnaires targeting MDAs, Local Governments as well as households and individuals
- Two-stage stratified sampling design for households and individuals

## SURVEY OVERVIEW

Characteristic	MDAs	Local Governments	Citizens
Domains	1 = National		
Tabulation Groups	National level	National level	Urban, Rural
Sampling	Stratified, multi-stage random sampling		
Oversampling	N/A	Urban 60%, Rural 40%	
Clustering	N/A Enumeration Areas (EA) National Census		
None response	No replacement	No replacement	Random substitution
Sample frame	All MDAs	All MDAs Census sample from UBOS	
Method	Interviews on android tablets using ODK Collect		
Timelines	Data collected between October and December 2017		
Target sample size	109	33	2,400
Actual sample size	77	28	2,748



























% of MD	OAs with:
Institutional blog	10.4%
An Intranet	43.6%
IT Service/Help Desk	81.8%
Local Area Network	96.1%
Institutional Website	100%

























### Internal challenges MDAs face in implementing e-government initiatives

























### FINDINGS FROM LOCAL GOVERNMENTS























### LGA awareness of cyber offences created by Computer Misuse Act











![](_page_31_Figure_1.jpeg)

![](_page_31_Figure_2.jpeg)

## HOUSEHOLDS AND INDIVIDUALS

![](_page_32_Figure_2.jpeg)

![](_page_33_Figure_1.jpeg)

![](_page_33_Figure_2.jpeg)

![](_page_34_Figure_1.jpeg)

![](_page_34_Figure_2.jpeg)

![](_page_35_Figure_1.jpeg)

![](_page_35_Figure_2.jpeg)

![](_page_36_Figure_1.jpeg)

![](_page_36_Figure_2.jpeg)

![](_page_37_Figure_1.jpeg)

![](_page_37_Figure_2.jpeg)

![](_page_38_Figure_1.jpeg)

![](_page_38_Figure_2.jpeg)

![](_page_39_Figure_1.jpeg)

![](_page_39_Figure_2.jpeg)

# Devices that individuals use to access the Internet

Which of the following devices have you used to access the Internet in the past 12 months? (multiple-select, ranked)

![](_page_40_Figure_3.jpeg)

![](_page_40_Figure_4.jpeg)

![](_page_41_Figure_1.jpeg)

![](_page_41_Figure_2.jpeg)

![](_page_42_Figure_1.jpeg)

![](_page_42_Figure_2.jpeg)

![](_page_43_Figure_1.jpeg)

![](_page_43_Figure_2.jpeg)

![](_page_44_Figure_1.jpeg)

![](_page_44_Figure_2.jpeg)

# What types of goods and services did you purchase over the Internet?

![](_page_45_Figure_2.jpeg)

![](_page_45_Figure_3.jpeg)

# What challenges have you encountered when buying goods or services online?

![](_page_46_Figure_2.jpeg)

![](_page_46_Figure_3.jpeg)

![](_page_47_Figure_1.jpeg)

![](_page_47_Figure_2.jpeg)

#### 48

![](_page_48_Figure_1.jpeg)

![](_page_48_Figure_2.jpeg)

![](_page_49_Figure_1.jpeg)

![](_page_49_Figure_2.jpeg)

![](_page_50_Figure_1.jpeg)

![](_page_50_Figure_2.jpeg)

![](_page_51_Figure_1.jpeg)

![](_page_51_Figure_2.jpeg)

![](_page_51_Figure_3.jpeg)

![](_page_52_Figure_1.jpeg)

![](_page_52_Figure_2.jpeg)

# What measures have you taken to improve your online security over the last 12 months?

![](_page_53_Figure_2.jpeg)

![](_page_53_Figure_3.jpeg)

![](_page_54_Figure_1.jpeg)

![](_page_54_Figure_2.jpeg)

## RECOMMENDATIONS

#### Recommendations 1

- Design strategies to improve the level of IT skills and knowledge among MDA and LG staff
- Recognise that it is in competition both nationally and globally for competent ICT staff and come up with strategies to recruit, develop and retain staff with key ICT skills
- Develop and maintain a government-wide Strategic ICT Workforce Plan that draws on work done by multiple MDAs in terms of resourcing and training IT personnel
- Equip MDA and LG top leadership with knowledge on how to harness the potential benefits of ICT within their organisations to create more buy-in

#### Recommendations 2

- Build mechanisms to identify, monitor and reward superior performance and professionalism across government agencies and their ICT staff
- Leverage her collective buying power in areas where true economies of scale are achievable
- Design strategies to lower cost of end-user devices and communication costs
- Prepare guidelines to facilitate sharing of public data through using open standards and open data formats while balancing need to provide timely official data and managing potential risks that can arise from data misuse

#### **Recommendations 3**

- Extend coverage of National Backbone Infrastructure (NBI) to all parts of Uganda with a drop-off point in each district
- Invest more in creating awareness about benefits of using egovernment services to increase citizens and business use
- Nurture a data-driven culture by developing frameworks to enable and guide collection, use and sharing of large amounts of data produced by various MDAs from the use of egovernment services and other digital processes
- Build general digital security awareness among individuals using both digital and traditional media campaigns

## Thank you for listening