

# SURVEY ON ACCESS AND USAGE OF ICT IN CAMEROON

By

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# OUTLINE

1. Background and Objectives
2. Survey Coverage and Targets
3. Sampling Design
4. Statistical Standards and Guidelines
5. Selected Key Results
6. Perspectives

# 0. Before starting



**Country Name :** Cameroon

**Capital :** Yaoundé

**Area :** 475,442 sq kilomètres (183,569 sq mi)

**Official languages :** French, English

**GDP estimates (2022) :** 44.5 billions US \$

**HDI (2021) :** 0.576 (151)



# Survey on Access and Usage of ICT in Cameroon

## 1. BACKGROUND AND OBJECTIVES



# 1. Background and objectives

- In 2022 Cameroon's NSO conducted a national survey on the access and use of Information and Communication Technologies (ICT)
- The survey was commissioned by the National Advanced School of Engineering of Yaoundé (ENSPY), as National Focal Point of a prospective program to enhance ICT development in Central Africa region
- Cameroon was chosen as a pilot country for the study
- The program is Funded by European Union
- Provide updates on national ICT access and usage indicators and assess ICT needs

# Survey on Access and Usage of ICT in Cameroon

## 2. SURVEY COVERAGE AND TARGETS

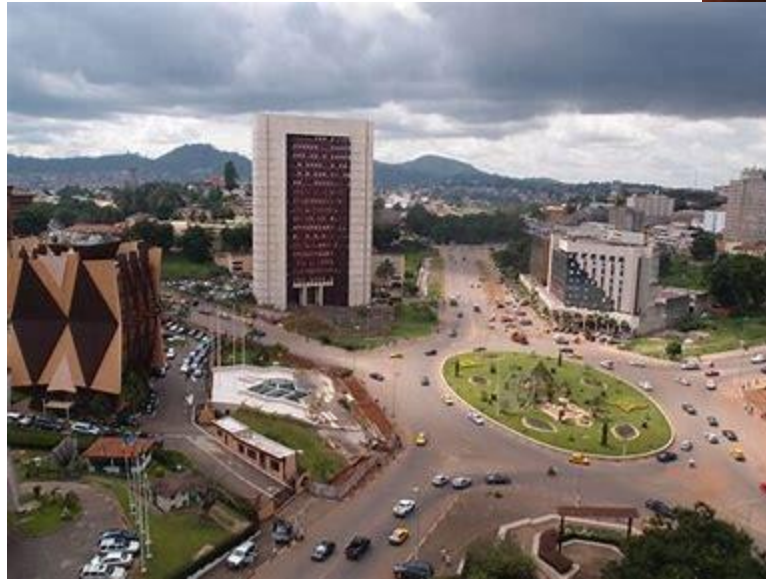


# 2. Survey Coverage and Targets

- Nation wide coverage
- Three target units:
  - Households (and individuals)
  - Business (formal enterprises)
  - General government units, and their:
    - Central government:
      - Budgetary units (ministries and their local entities)
      - Extrabudgetary units (special central government units)
    - Local government units (regional and local levels)
- Period of survey : September – October 2022
- Data collection carried out using the CAPI (Computer Assisted Personal Interviewing) method using of an application developed under CSPro 7.7.

# Survey on Access and Usage of ICT in Cameroon

## 3. SAMPLING DESIGN





# 3. Sampling Design

- **Household's units sampling:**
  - Clustered stratified sampling with two degrees
  - 3 488 households total (and all individuals aged 10 years and above in the household), broken down by region and residence (urban, rural)
- **Business units sampling:**
  - Random sampling stratified
  - 1 852 formal enterprises, broken down by ISIC's sections (or grouping) and size (turnover)
- **General government units sampling:**
  - Census of central units: ministries and extrabudgetary units
  - Sampling of local units: local government units and ministry's entities at local level
  - 1 455 general government units: 127 (central) and 1 328 (local)

# 4. Statistical Standards and Guidelines

- Core ICT access and usage indicators (as for 2019 list), from international Partnership on Measuring ICT for Development:
  - Core indicators on access to, and use of, ICT by households and individuals: HH1-HH23
  - Core indicators on use of ICT by enterprises: B1-B12
  - Core indicators on e-government: EG1:EG7
- International Telecommunication Union (ITU)'s Manual for measuring ICT access and use by households and individuals (2020 edition)
- United Nations Conference on Trade and Development (UNCTAD)'s Manual for the Production of Statistics on the Digital Economy (2020 revised edition)
- United Nations Economic Commission for Africa (ECA)'s Manual for measuring e-government (2014 edition)

# Survey on Access and Usage of ICT in Cameroon

## 5. SELECTED KEY RESULTS

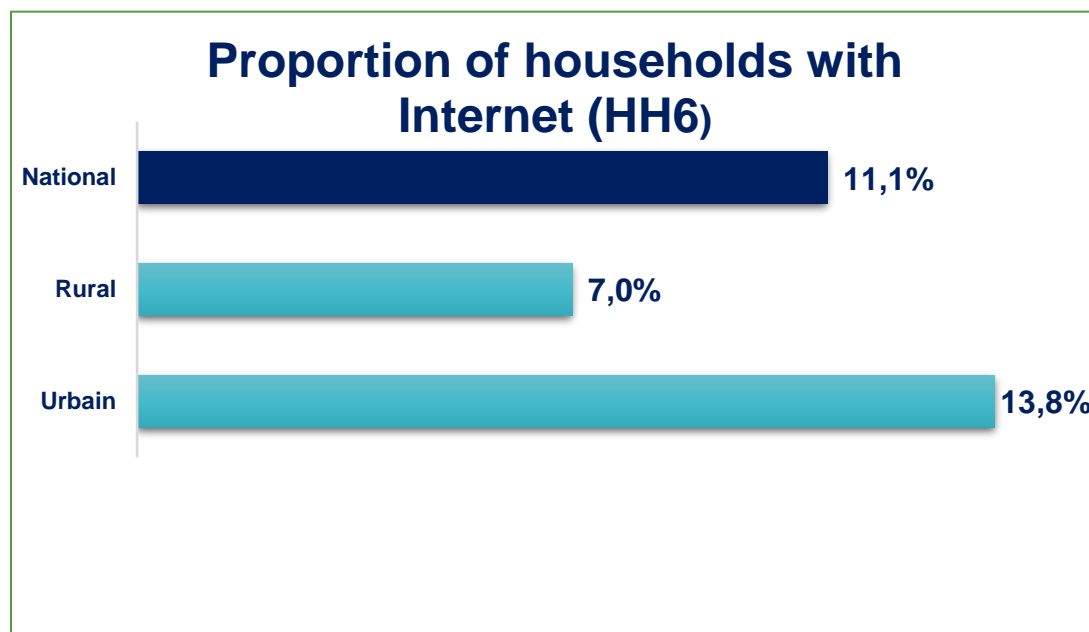


# 5. Selected Key results

- **Household's units sampling:**
  - Response rate 88.1%
  - Absence, refusals are the main reasons of nonresponse
- **Business units sampling:**
  - Response rate 71.0%
  - Difficulties in locating companies and refusals are the main reasons
- **General government units sampling:**
  - Response rate 89.6%
  - Uncovered units are essentially those non present at some Administrative level (Subdivision or Division)

# 5. Selected Key Results

## Household access to ICT facilities and the internet

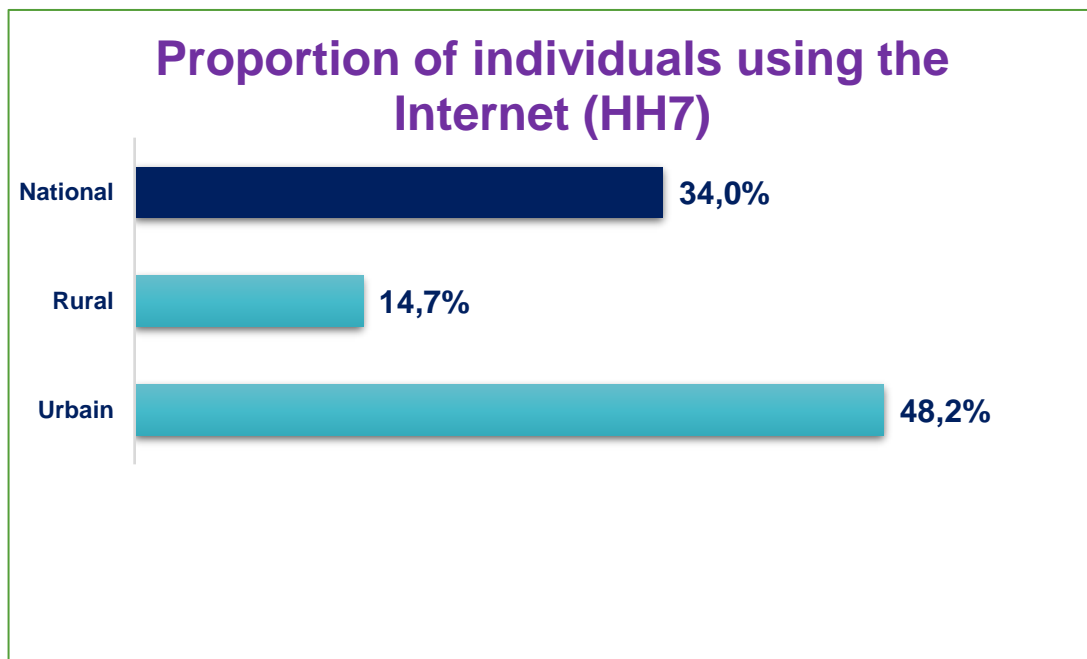


- ...Other households with access to internet...
- **Head of the household Level of instruction**
  - Non scholarly (4.8%)
  - University (29.7%)
- **Access to electricity**
  - Yes (14.0%)
  - No (4.5%)

For this indicator, the presence of an internet connection (e.g: modem connection, mobile network) in the household should be effective and generally at the permanent disposition of all members of the household.

# 5. Selected Key Results

## Individual access to ICT facilities and the internet



- ...Other individuals using internet...
- **Age of the Head of household**
  - 15 – 24 years (40.7%)
  - At least 75 (20.3%)
- **Access to electricity**
  - Yes (46.6%)
  - No (8.1%)

This proportion is calculated by dividing the number of individuals surveyed using the Internet by the total number of individuals interviewed.

# 5. Selected Key Results

## Some purpose of internet use by individual

- **Call via Internet (imo, WhatsApp, twitter, etc.) (77.6%)**
- **Obtain information about goods or services (49.6%)**
- **Watch or download movies, images or videos, music (37.9%)**
- **Send or receive electronic emails (35.1%)...**
- **appointment with a healthcare professional (1.1%)**
- **Internet banking services (1.3%)**
- **Conference (1.7%)**

# 5. Selected Key Results

## Main reasons given by people aged 10 or over who do not use internet

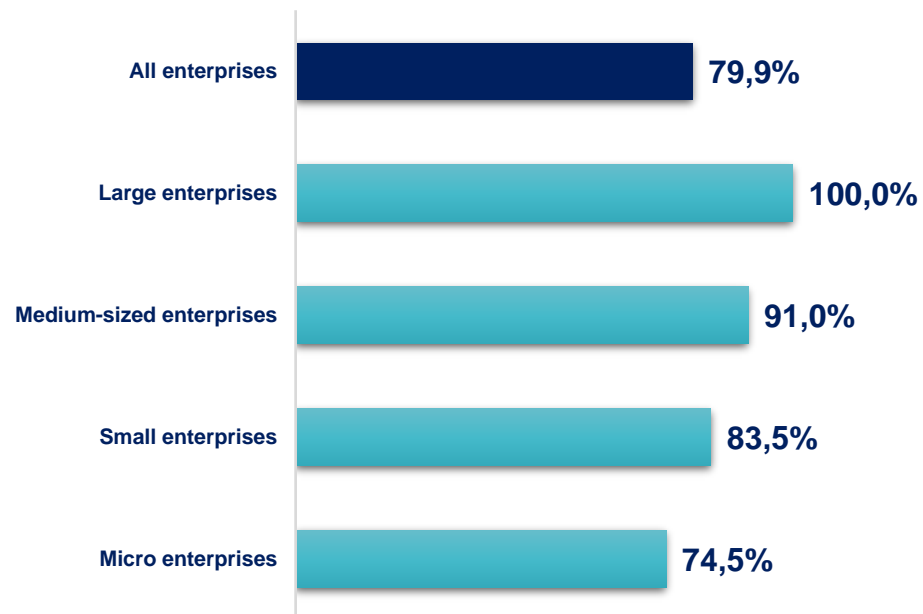
- **do not know** how to use the Internet (45.7%)
- **No need** for the Internet (29.7%)
- **High cost** of using the internet (23.9%).



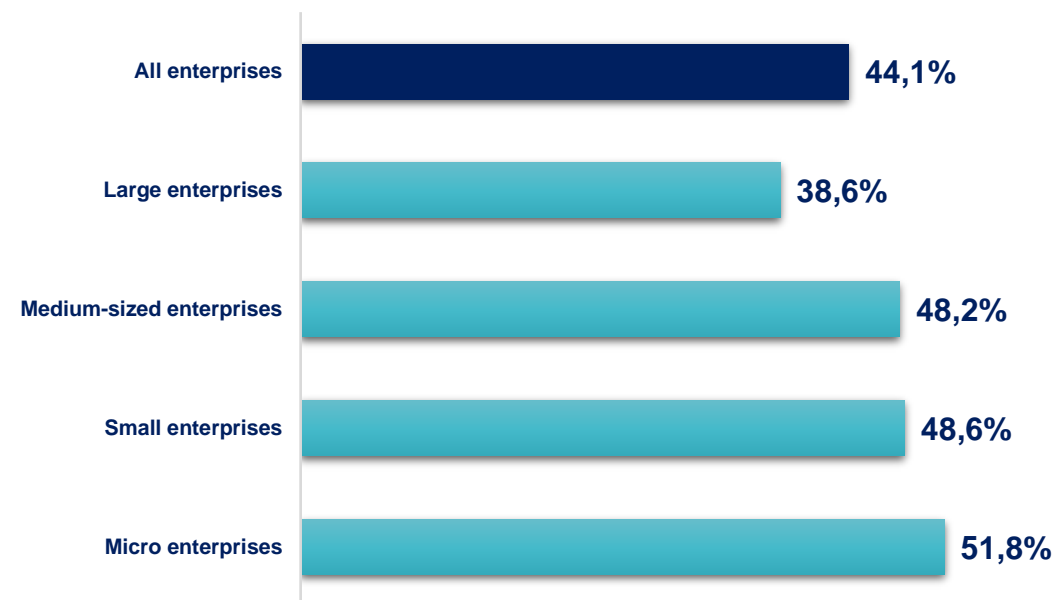
# 5. Selected Key Results

## BUSINESSES UNITS

Proportion of businesses using computers (B1)

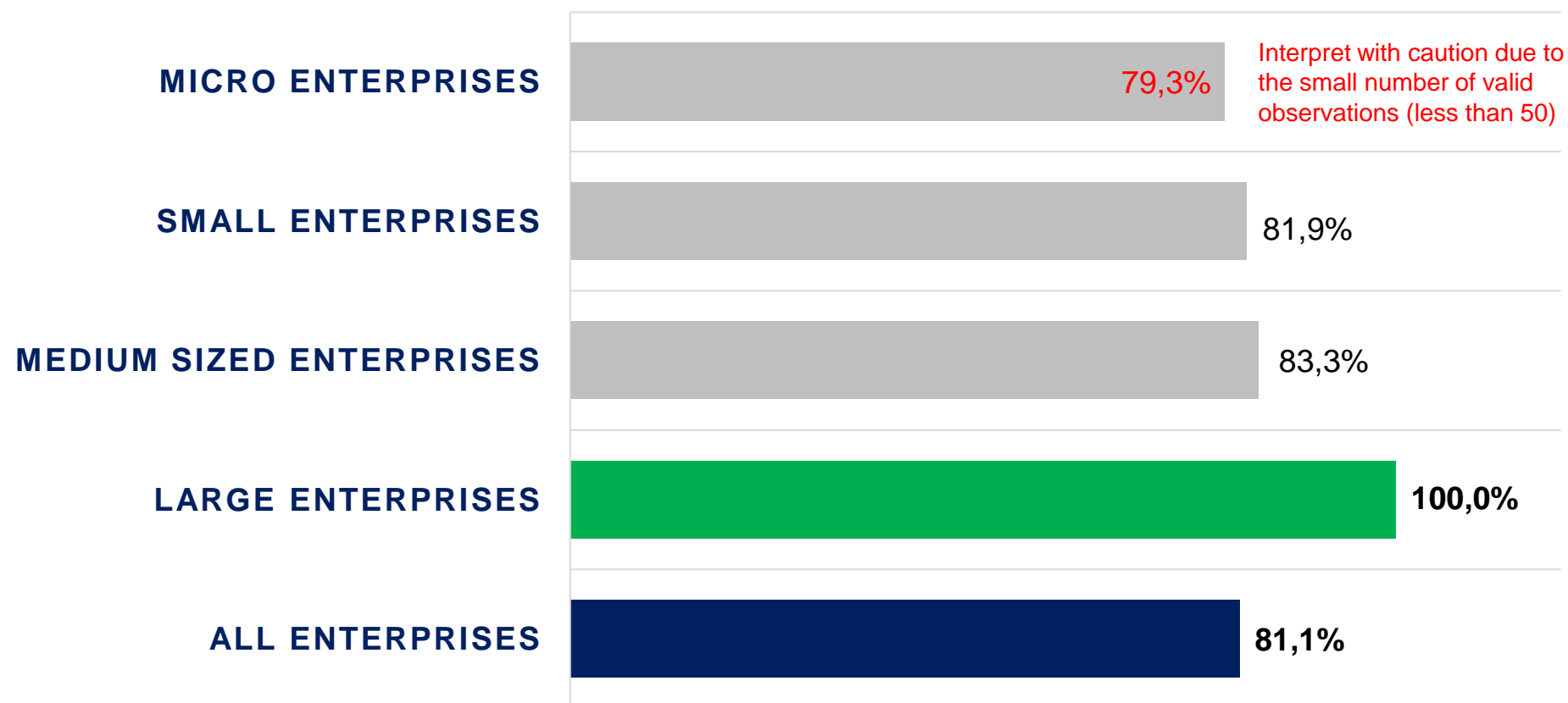


Proportion employees routinely using computers (B2)



# 5. Selected Key Results

## Proportion of businesses using internet



# 5. Selected Key Results

Businesses mainly use internet for communication and e-commerce

## Communication

- send and receive emails (78.1%)
- telephone via internet (62.4%)

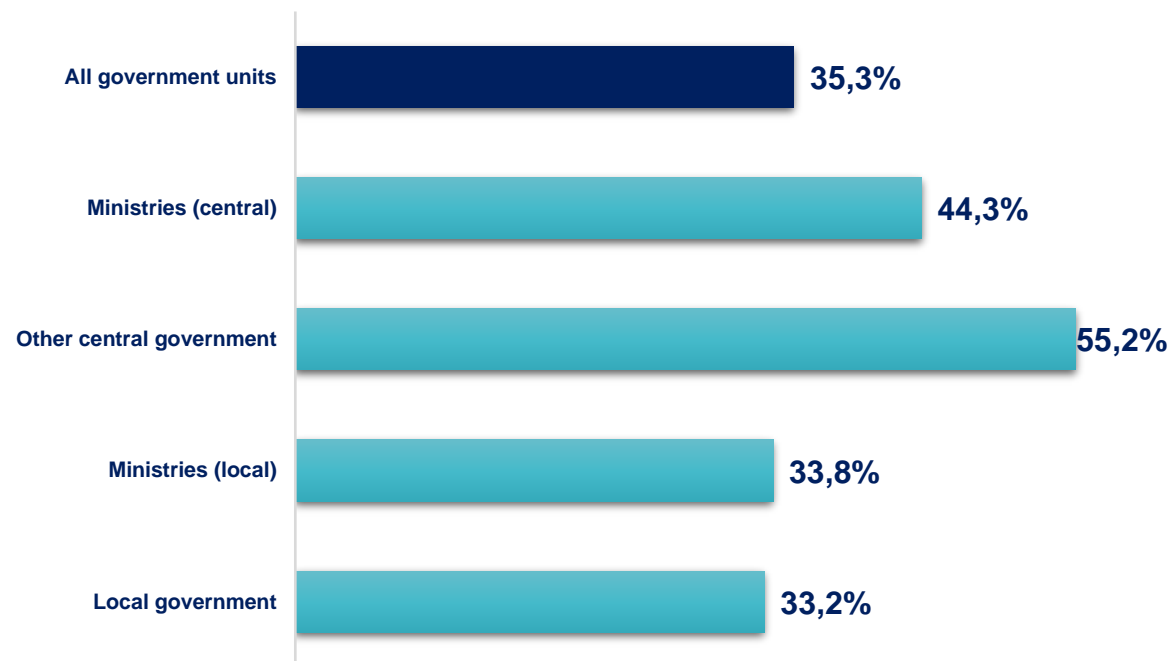
## e-commerce

- Receive orders good or services (67.2%)
- Order goods or services (62.1)%

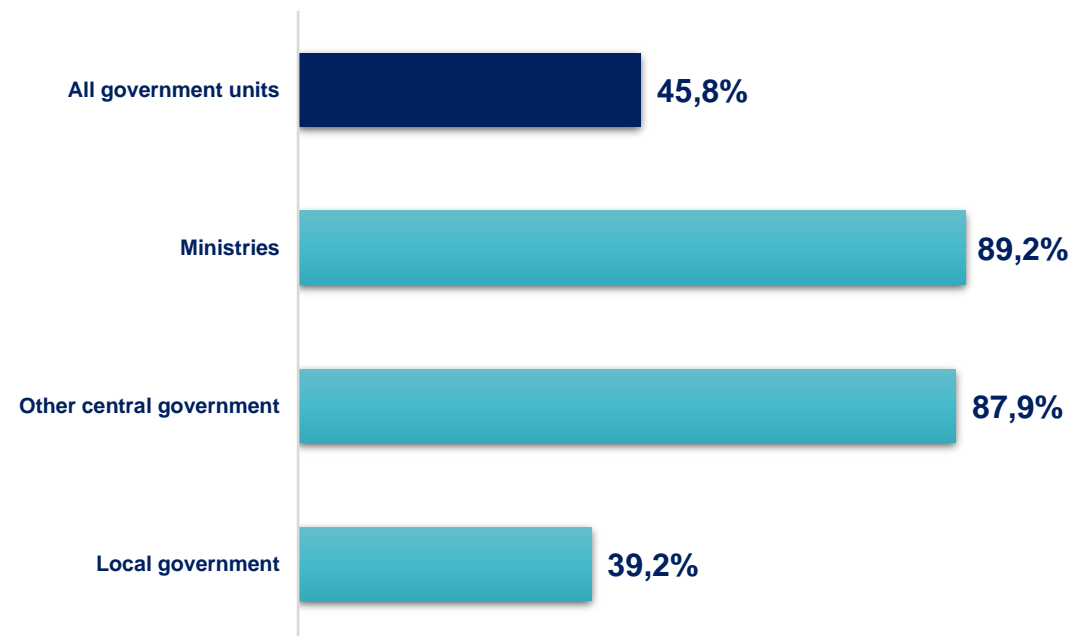
# 5. Selected Key Results

## GOVERNMENT UNITS

Proportion of civil servant routinely using computers (EG1)



Proportion of government unit with a web presence (EG6)



# 6. Perspectives

- The survey will be replicated in other countries in the region (Central African Rep., Chad, Dem. Rep. Congo, Gabon)
- Other ICT survey were conducted by NIS in the past (ART(2014), MINPOSTEL (2016)), but generally commissioned by other entities
- NIS also collect ICT data through other regular data collection process, but these are not specific
- **NIS should develop a regular statistical program on ICT data collection to enhance the measurement of the digital economy**

**Thank you / Merci !!!**

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