



## SESRIC WEBINAR SERIES ON STATISTICAL EXPERIENCE SHARING

### “REMOTE DATA COLLECTION METHODS TO OVERCOME THE CHALLENGES FACED BY THE NSOs DURING THE COVID-19 PANDEMIC”

06 July 2021 Time: 13:30 – 16:30 (Ankara time – GMT+3)



# ANSD'S EXPERIENCE

**Ibrahima DIOP**

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# OUTLINE

- ▶ Presentation of ANSD
- ▶ Data collection system during COVID
- ▶ Q & A

# Presentation of ANSD

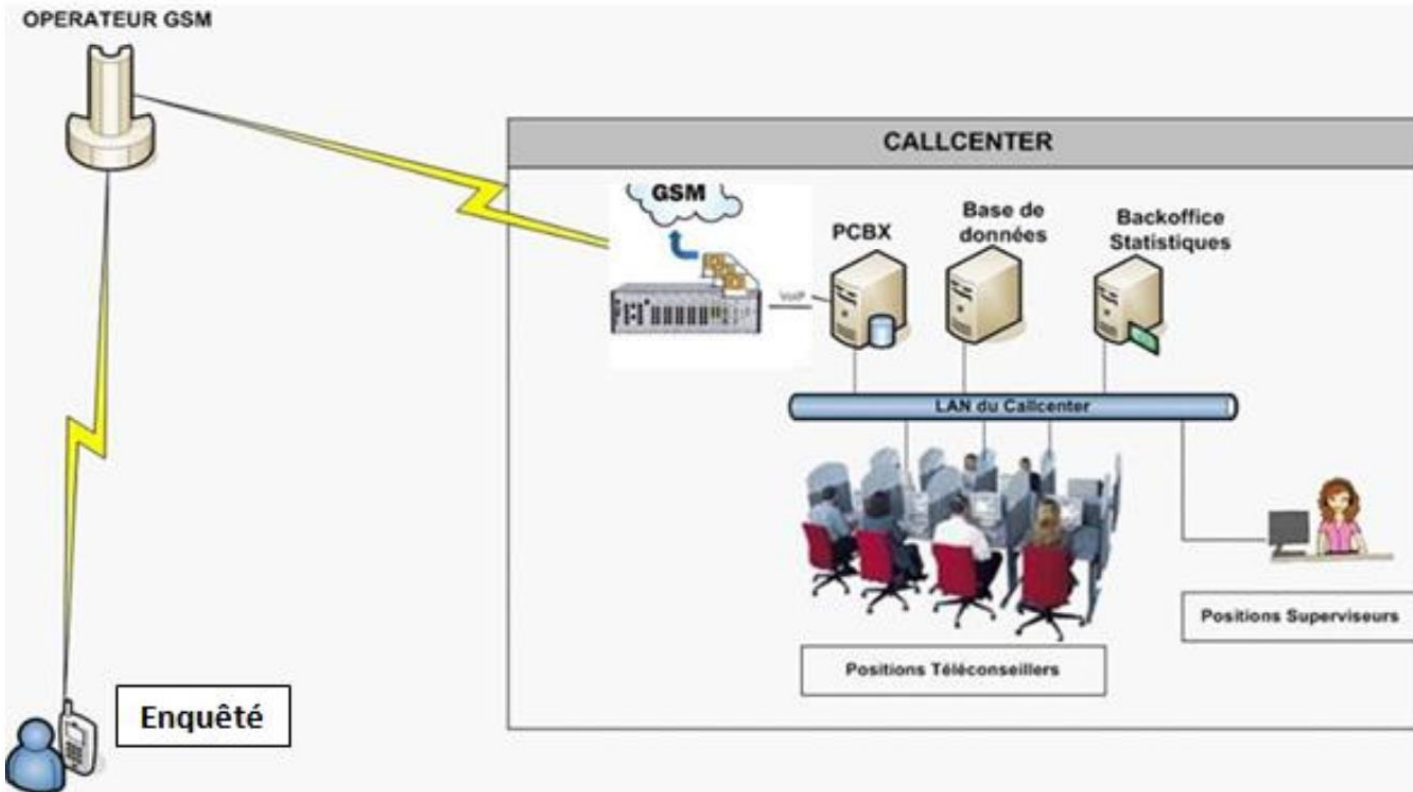
- ▶ ANSD's missions
  - ❑ ensure the development and implementation of multi-year and annual statistical activity programs
  - ❑ prepare documents to be submitted to the meetings of the National council of Statistics
  - ❑ carry out inventory surveys with national coverage (population censuses, enterprises censuses, etc...)
  - ❑ monitor the economic situation and forecasting
  - ❑ develop and manage business and locality files
  - ❑ develop economic, social and demographic indicators
  - ❑ Etc...

# Data collection system during COVID

- Collection systems implemented (technical tools– follow-up)
  - ❑ Survey by phone(Call Center)
  - ❑ On line survey(filling questionnaire)
  - ❑ Mixed survey(by phone + on line filling)
- Advantages
- Constraints

# Data collection system during COVID

## Survey by phone(CATI)



### ► Tools

- ❑ GoAutoDial, Asterisk
- ❑ Zoipper
- ❑ Passerelle GSM
- ❑ Limesurvey (questionnaire) + MySQL

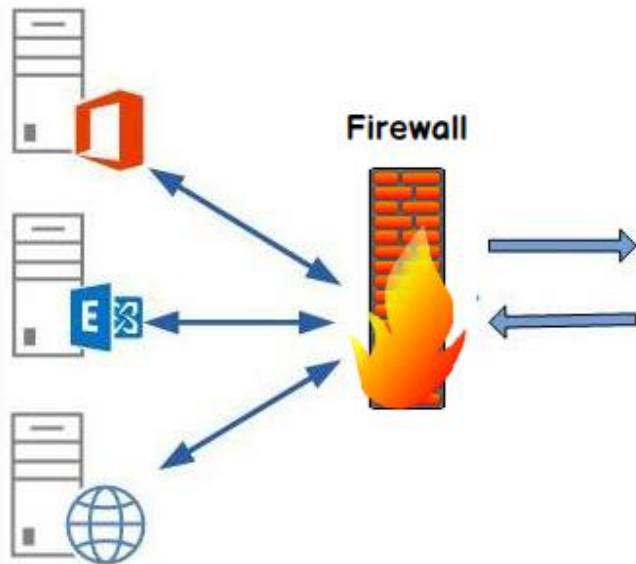
### ► Monitoring (supervisor)

- ❑ Training of the interviewers
- ❑ Distribution of tasks to achieve set objectives
- ❑ Listening to telephone calls
- ❑ Ensuring compliance with the rules of conduct

# Data collection system during COVID

## On line survey (CAWI)

Serveur Application



Serveur Web

### ► Tools

- ❑ **Limesurvey** (questionnaire) + **MySQL** (database) + **Apache** (webserver)

### ► Monitoring (web interface)

- ❑ Sending and reminders of invitations by email
- ❑ Follow up of on-line filling statistics

### Résumé des réponses

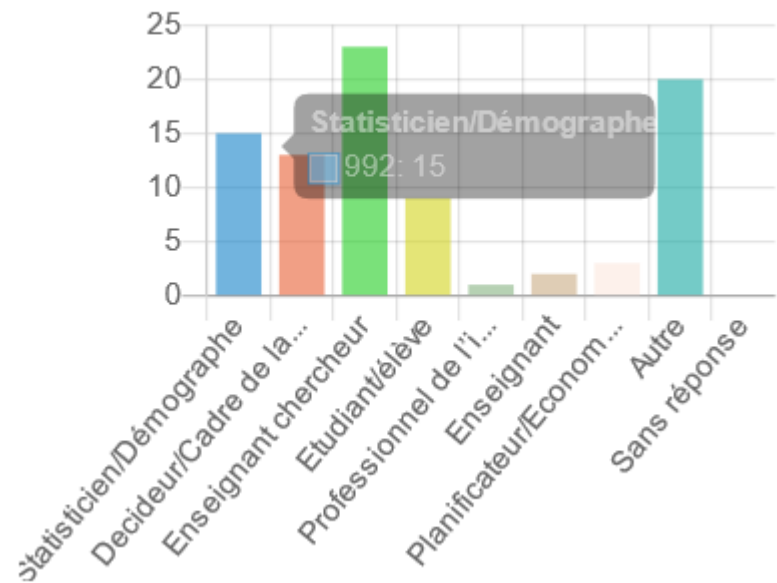
Réponses complètes	63
Réponses incomplètes	221
<b>Nombre total de réponses</b>	<b>284</b>

# Data collection system during COVID

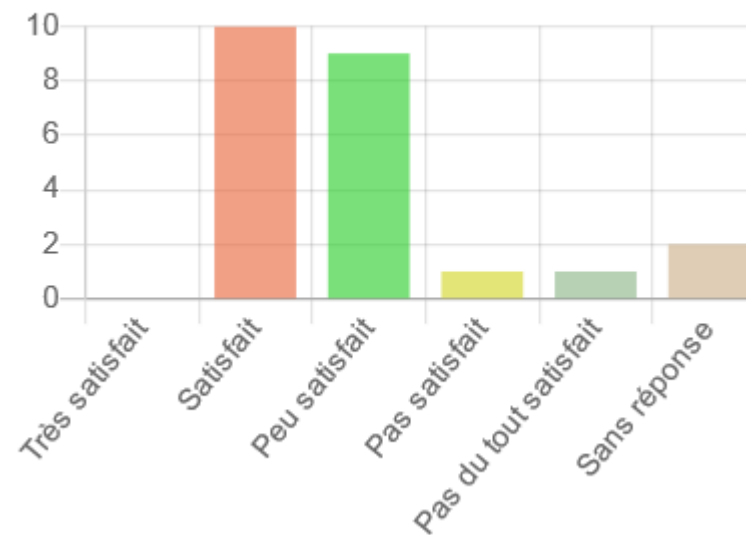
## On-line survey(CAWI - LimeSurvey)

- ▶ Monitoring(web based interface) – graphic by question

A07. Profil du répondant



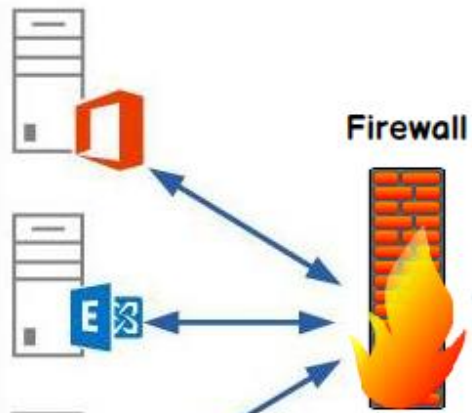
D1.1. Qualité des données



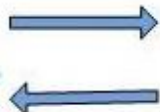
# Data collection system during COVID

## On line survey (CAWI – Survey Solutions)

Server Application



Firewall



Internet



Client



Client



Client

### ► Tools

- ❑ **Survey Solutions** (questionnaire) + **PostGre SQL** (database) + **IIS** (webserver)

### ► Monitoring (web interface)

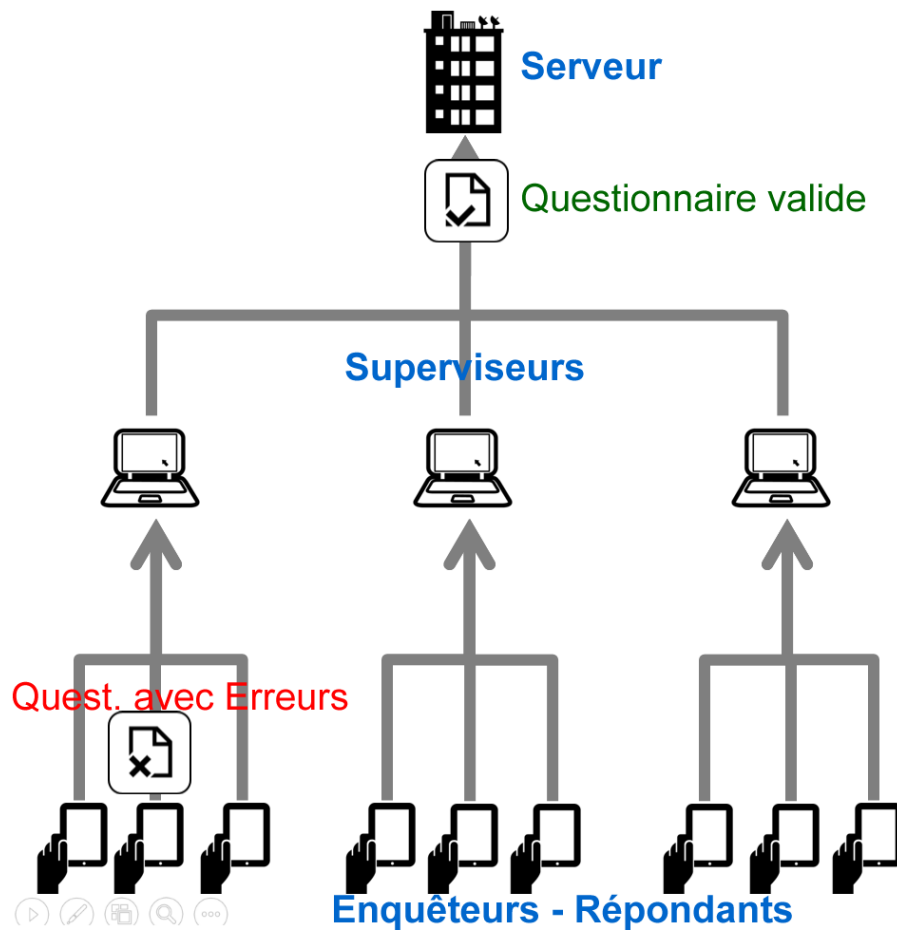
- ❑ Two-level validation for questionnaires (supervisor and headquarter): rejected or approved
- ❑ Questionnaire complete, incomplete, containing errors
- ❑ Periodic progress report

Server Web



# Data collection system during COVID

## On line survey (CAWI – Survey Solutions)



### ► Monitoring (web interface)

- ❑ Two-level validation circuit for questionnaires (supervisor and headquarter): rejected or approved

# Data collection system during COVID

## On line survey (CAWI – Survey Solutions)

► Monitoring (web interface)

- ❑ Completed questionnaire, incomplet, containing errors

Identifiant des questions	RESPONSABLE	MIS À JOUR LE	ERREURS	NOT ANSWERED	STATUT	REÇU PAR L'ENQUÊTEUR	AFFECTATION
REGION: <b>ZIGUINCHOR</b> , DEPARTEMENT: <b>BIGNONA</b> , COMMUNE/ARRONDISSEMENT/VILLE: <b>TENGHORY</b> , COMMUNE/CR: <b>TENGHORY</b> , MILIEU: <b>rural</b> , N° DR_RGPHAE: <b>02120000020</b> , N° DR_ENETS: <b>036</b> , A7c: <b>087</b> , A7d: <b>MAMADOU SAKHO</b> , N° du ménage: <b>13</b> , Nom du chef de ménage: <b>MAMADOU SAKHO</b> , ID MENAGE: <b>0212000000013</b> , Chef d'équipe: <b>Ibrahima SAKHO</b> , Enquêteur: <b>coumba ndiaye</b> , Tirage: <b>tire</b>	CoumbaEnets	Jun 22, 2021 16:37	3	3540	Affecté à l'Enquêteur	Jun 22, 2021 16:37	20617

Incomplete questionnaire with

NUMÉRO D'ENTRETIEN	Identifiant des questions	RESPONSABLE	MIS À JOUR LE	ERREURS	NOT ANSWERED	STATUT	REÇU PAR L'ENQUÊTEUR	AFFECTATION
98-69-76-40	REGION: <b>MATAM</b> , DEPARTEMENT: <b>RANEROU</b> , COMMUNE/ARRONDISSEMENT/VILLE: <b>VELINGARA</b> , COMMUNE/CR: <b>VELINGARA</b> , MILIEU: <b>rural</b> , N° DR_RGPHAE: <b>11300000075</b> , N° DR_ENETS: <b>219</b> , A7c: <b>021</b> , A7d: <b>ABDOU SAKHO</b> , N° du ménage: <b>05</b> , Nom du chef de ménage: <b>ABOU SAKHO</b> , ID MENAGE: <b>1130000000005</b> , Chef d'équipe: <b>Assietou Beye</b> , Enquêteur: <b>ASSIETOU BEYE</b> , Tirage: <b>tire</b>	AssietouEnets	Jun 17, 2021 15:18	0	0	Approuvé par le Quartier Général	Non	6583

Completed and validated

# Data collection system during COVID

## mixed survey (CATI + CAWI)

- ▶ It is about combining the two systems (by phone & on line filling)
  - ❑ Some respondents who have email addresses and access to internet fill in online
  - ❑ The telephone is used to call respondents who do not have an email address or access to internet
  - ❑ The telephone is also used to follow up with respondents who have not finalized their questionnaire or to clarify certain questions

# Data collection system during COVID

## ADVANTAGES

ADVANTAGES	Survey by phone	On line survey	Mixed survey
Less survey staff hired and relatively low travel costs (allow to save money if the sample is large)	X	X	X
Facilitates data collection in difficult to access areas	X	X	X
Several respondents can respond at the same time (reducing of time)		X	X
Clarification can be given to respondents (case of survey by phone)	X		X
Encourage the respondent to give answers (case of survey by phone)	X		X
Real-time data monitoring and processing	X	X	X

# Data collection system during COVID

## CONSTRAINTS

CONSTRAINTS	Survey by phone	On line survey	Mixed survey
Internet connection instability in some areas		X	X
Telephone network instability in some areas	X		X
Respondents must be able to read and write to answer		X	X
The respondent may not understand some questions		X	X
Low response rates; several reminders required		X	X
Suitable logistics are needed to host the entire system and data in one's own infrastructure (protection of personal data)	X	X	X



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## **ANSD'S EXPERIENCE**

**Q & A**

