

## 1. HISTORICAL OUTLINE

The first census of agriculture (CA) was conducted in the Republic of Senegal in 1998/1999. In 2013, the country carried out the fourth General Census of Population and Housing (GCPH), combined with the second CA. The metadata review and the data presented below refer to the General Census of Population and Housing, Agriculture and Livestock<sup>2</sup> (RGPHAE) 2013.

## 2. LEGAL BASIS AND ORGANIZATION

### **Legal framework**

The census legislation included:

- Law No. 2004-21 of 21 July 2004, amended by Law No. 2012-03 of 3 January 2012 on the organization of statistical activities in Senegal. This law defines the principles of official statistics and the institutional framework governing the activities of the departments and agencies responsible for the development, production and dissemination of official statistics. According to the legislation, the National Statistical Council approves, *inter alia*, the multiannual statistical programme. This programme must take into account the requirement to carry out a census of the population and an agricultural census every ten years.
- Prime Minister's Orders No. 7178 of 12 August 2010 and No. 006654 of 4 September 2012, which set up the institutional framework for the RGPHAE 2013.

### **Institutional framework and international collaboration**

The Prime Minister's Order No. 7178 designated the Steering Committee as the supervisory body of this project and the National Agency of Statistics and Demography (ANSD) as its implementing structure. The Prime Minister's Order No. 006654 of 4 September 2012 established the National Steering Committee (NOC) and the National Technical Committee (CTN) as its technical bodies.

The ANSD conducted the RGPHAE 2013 with the technical and financial support of the United Nations Population Fund (UNFPA) and the Brazilian Institute of Geography and Statistics (IBGE), which lent 20 200 personal digital assistants (PDAs) to the ANSD to conduct the census. The National Institute of Statistics of Cape Verde (INECV) provided technical support.

### **Census staff**

This RGPHAE mobilized 17 165 enumerators, 2 566 controllers, 608 supervisors and 150 cartographers. To collect the information in the field, 225 ICT coordinators were recruited to assist the field staff.

## 3. REFERENCE DATE AND PERIOD

**Reference day:** the day of enumeration, for inventory items such as on livestock and agricultural machinery, and assets.

**Reference period:** the agricultural year 2012/2013, for the total land area operated, the number of plots operated, the area of the holding, the lands operated by women, etc.

## 4. ENUMERATION PERIOD

Data collection took place from 19 November to 9 December 2013 throughout the country. However, in large cities such as Dakar, collection continued for two more days.

## 5. SCOPE OF THE CENSUS AND DEFINITION OF THE STATISTICAL UNIT

### **Census scope**

The RGPHAE 2013 covered all households in the country. A specific module was devoted to agriculture, to identify households with at least one member engaged in own-account agricultural activities. Agricultural activities (in a broad sense) were defined as activities regarding the production of crops, livestock raising, aquaculture, capture fisheries and forestry.

### **Statistical unit**

The statistical unit for the RGPHAE agriculture module was the agricultural production household, defined as "a household with at least one member practicing agricultural activities for own account".

## 6. GEOGRAPHIC COVERAGE

The 2013 RGPHAE covered the entire national territory.

## 7. CUT-OFF THRESHOLD AND OTHER EXCLUSIONS

Holdings in the non-household sector were not covered in the RGPHAE.

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<sup>1</sup> General Census of Population and Housing, Agriculture and Livestock 2013 – Agriculture Module.

<sup>2</sup> *Recensement Général de la Population et de l'Habitat, de l'Agriculture et de l'Élevage.*

## 8. METHODOLOGY

### **Methodological modality for conducting the census**

Although a modular approach was planned for conducting the census, only the core census module was implemented, because of budget constraints.<sup>3</sup> The core module of the CA was integrated with the PHC. A community survey was implemented during the cartography phase.

### **Frame**

The cartography phase enabled the delineation of the EAs for the enumeration phase of the RGPHAE 2013.

### **Complete and/or sample enumeration methods**

The core module was conducted on a complete enumeration basis.

### **Sample design (if sampling was used)**

No sampling was used.

### **Data collection method(s)**

Face-to-face interviews using electronic devices (the CAPI method) was applied for census data collection.

### **Questionnaire(s)**

For the RGPHAE, two questionnaires were used. The first questionnaire was administered to individuals, households and collective households; it included a specific section (module) dedicated to the agricultural activity of the household members. The second questionnaire was administered to the “floating” population. It comprised two parts: identification and individual characteristics. Of the 16 core items recommended by FAO, the RGPHAE questionnaires covered 12 items.<sup>4</sup>

## 9. USE OF TECHNOLOGY

Digitized mapping was used to delineate the EAs, based on the geographic coordinates collected during the cartography phase in the field and from satellite imagery. The CAPI method, with the use of PDAs, was applied for census data collection. Census results were disseminated through the ANSD website.

## 10. DATA PROCESSING AND ARCHIVING

A real-time data transmission process was put in place to ensure the retrieval of data from the field. To ensure the completeness of the process, data were retrieved from all drives (PDAs, supervisor laptops and the central server). At the end of this process, a consolidated central database was created in CSPro. Data processing for the census was carried out using CSPro.

## 11. CENSUS DATA QUALITY

A real-time data reporting system via the Internet, from the departmental bases to the central ANSD server in Dakar, made it possible to perform close monitoring of the field operation, as well as data quality checking and correction whenever necessary. The completeness of records from the fieldwork was ensured by using all back-up devices (PDAs, laptops, server).

A Post-Enumeration Survey (PES) was carried out from March to April 2014, to assess the quality of the census data quality and the coverage rate.

## 12. DATA DISSEMINATION AND USE

Preliminary results were released in March 2014, less than three months after enumeration was completed. The final census results were published in September 2014 and were made available to the public through the ANSD website.

## 13. DATA SOURCES

**Agence Nationale de la Statistique et de la Démographie (ANSD).** 2019. RGPHAE, résultats définitifs. In: *Agence Nationale de la Statistique et de la Démographie* [online]. Dakar, Senegal. [Cited 8 August 2019].  
<http://www.ansd.sn/ressources/RGPHAE-2013/resultats-definitifs.htm>

## 14. CONTACT

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<sup>3</sup> At the time the SDS 17 was being developed, AGRIS, with one core annual production module and several rotating modules, were planned to be implemented, starting in 2019-2020.

<sup>4</sup> The following core items were not covered by the CA: (i) “Legal status of the holding”; (ii) “Main purpose of production of the holding”; (iii) “Area of holdings according to land use types”; (iv) “Presence of other economic production activities of the holding”.

# SENEGAL – GENERAL CENSUS OF POPULATION AND HOUSING, AGRICULTURE AND LIVESTOCK 2013 – MAIN RESULTS

NUMBER OF HOLDINGS AND AREA		
	Holdings	Area (ha)
<b>Total</b>	<b>755 532</b>	<b>3 131 680</b>

LAND FRAGMENTATION		
	Holdings	Area (ha)
<b>Total</b>	<b>755 532</b>	<b>3 131 680</b>
Holdings without land	7 555	
Holdings with land	747 977	3 131 680
1 parcel	143 551	141 284
2–3 parcels	294 657	729 844
4–5 parcels	173 772	766 109
6–11 parcels	105 774	852 240
12 parcels and over	30 223	642 203

HOLDERS IN THE HOUSEHOLD SECTOR, BY SEX AND AGE		Number
<b>Total</b>		<b>755 532</b>
Male		640 195
Female		115 337
Under 25 years		13 675
25–49 years		355 523
50–74 years		344 819
75 years and over		41 515

HOLDINGS BY HOUSEHOLD SIZE		Number
<b>Total</b>		<b>755 532</b>
1–10 persons		454 423
11–20 persons		246 900
21–30 persons		43 756
31–40 persons		7 791
41–50 persons		1 793
51 persons and over		869

LIVESTOCK		Holdings
<b>Total holdings with livestock</b>		<b>211 548</b>
Cattle		25 386
Sheep		48 656
Goats		38 079
Pigs/swine		4 231
Horses		14 808
Asses		19 039
Poultry		57 118
Other animals		2 115
Insects		
Bees (hives)		212

IRRIGATION		Holdings
<b>Total holdings with irrigated land</b>		<b>33 294</b>