



Data Literacy & Appreciation Program for Papua New Guinea



Presentation Outline

Background

- *NSO core business and mandate, Census and Survey undertaken, and the data literacy status of the country*

Data Literacy & Appreciation Plans

Status

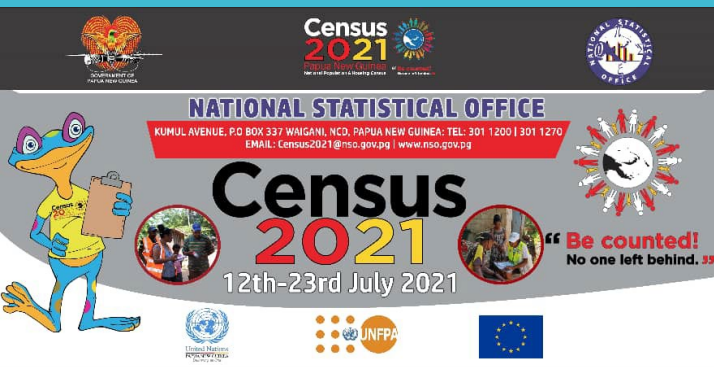
Partial Results of the Focus Group Discussions (FGDs)

Next Steps

BACKGROUND OF NSO

❖ CORE BUSINESS AND MANDATE

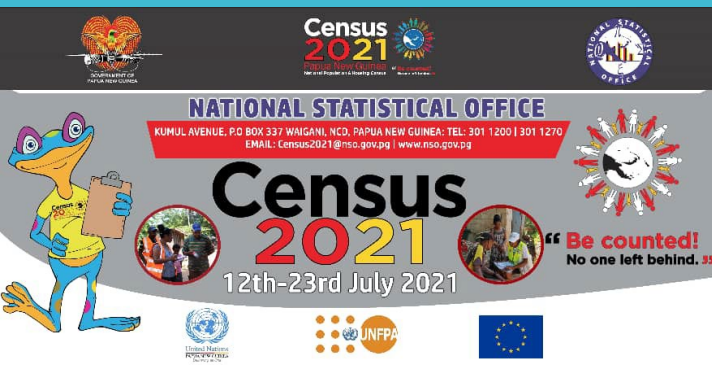
- **PNG NSO:**
 - the Statistical Agency established by an Act of Parliament (**Statistical Services Act 1980**)
 - responsible to
 - ❖ collect,
 - ❖ compile, and
 - ❖ disseminate statistical information on a regular and timely basis.



BACKGROUND OF NSO

❖ CORE BUSINESS AND MANDATE

- **Mandated key functions;**
 - ✓ Produce statistics through the conduct of censuses and surveys,
 - ✓ Coordinate and collect statistics from the National Statistical Systems, and
 - ✓ **Designate statistics as official statistics for utilization, dissemination, comparability to ensure conformity to set statistical standards and internationally accepted statistical practices.**
- **Census remains the main source of Data for PNG.**
- **Staff Strength= 128 officers. (2011 census pop of 7.2 mill, one officer for every ≈57,000 popⁿ)**



❖ CENSUSES & SURVEYS UNDERTAKEN



- **Census taking is done decennially. Post-Independence PNG conducted 4 censuses-**
 - 1980,
 - 1990,
 - 2000, and
 - 2011.
- **5th Census scheduled for 2020 deferred.**
- **Also conducted 3 Demographic & Health Survey to date -**
 - 1996,
 - 2006, and
 - 2016-18.
- **HIES and others (establishment surveys, etc.).**

Other Data Collection Exercises

- **Presently NSO also conducting the following;**
 - **PME (Population Modelled-Estimation)-** Innovative approach to generate quick population counts for the country through the use of high-resolution satellite images with a combination of available data sets as inputs into a statistical model.
 - **Household Survey (2022 SDES)-**Nationally representative sample survey aims to generate important socio-demographic and economic indicators that can be used to monitor targets specified in the SDGs, MTDP 3, PNG Vision 2050, National Population Policy and other monitoring tools

Other Data Collection Exercises

- **Presently NSO also conducting the following (*contn*);**

- Data Literacy Program
- Provincial Differential Analysis- Demographic Dividend
- ❑ Price Survey (CPI)
- ❑ Establishment Survey
- ❑ International Migration

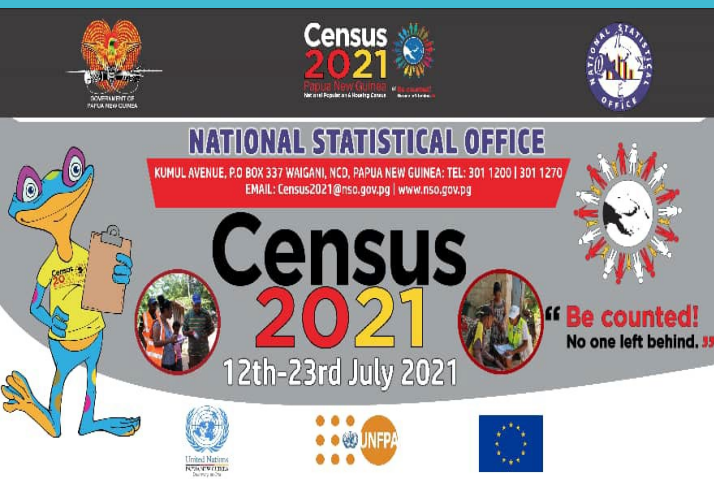
Users;

- **Customers Data, IRC, etc.= National Accounts and GDP amongst others.**

BACKGROUND OF NSO

❖ ROLE OF NSO IN THE WIDER NSS

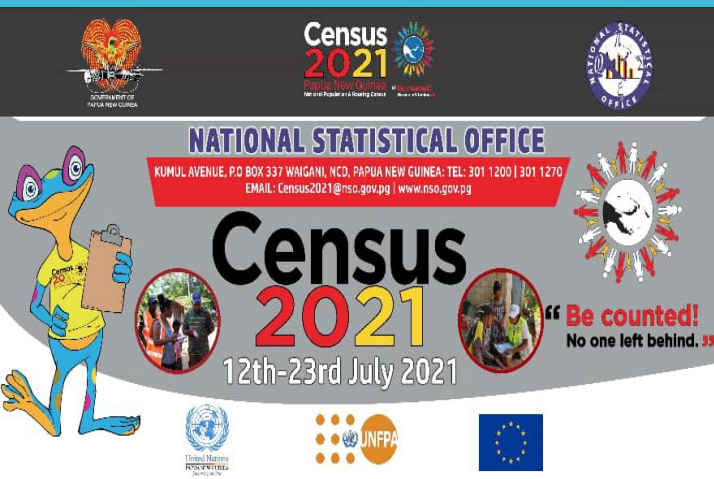
- PNG developed its Statistical Strategy from the PARIS21 template= **PNGSDS 2018-2027**
- Lead department (Planning) & NSO: main drivers- to coordinate and facilitate dialogue between all user-producer agencies.
- Amongst other activities identified in the PNGSDS, **Dissemination, Accessibility and Utilization** is one key area- have results/information disseminated to the subnational levels especially.
 - ✓ To date, almost nil user-producer forum especially by NSO. Hence the DL&A Program



BACKGROUND OF NSO

❖ ROLE OF NSO IN THE WIDER NSS

- **Type of Analysis at NSO- *very basic!* Out-sourced for more complex analysis.**
- **Important users-**
 - National Departments,
 - Provincial and Local level government,
 - Research Institutions (mainly),
 - Academe,
 - Private sector,
 - Media.





❖ DATA LITERACY
STATUS OF PNG AS A
WHOLE

- Given the **very few censuses and surveys** conducted between longer intervals, the country had very little exposure to the;
 - understanding of the importance of data,
 - how data is collected,
 - how to preserve the integrity of data,
 - how the data is used for decision making and others, etc. and
 - how to analyze and interpret the data
- Hence, the plan to devise clear messages and communicate to targeted audiences.

Data Literacy & Appreciation Plans

- **Conduct of Focus Group Discussions (FGDs) with different groups of data users to determine;**
 - Level of awareness and understanding of the data
 - Accessibility of data and recommendations to improve accessibility
 - Knowledge on where to access the data
 - What/type of data they are using
 - What format is more understandable/useful for users
- **Design of Data Literacy & Appreciation Materials**
- **Conduct of Data Literacy & Appreciation Workshops in 22 provinces**

Status

- **Targeted audiences included:**
 - National Government,
 - Subnational governments (provincial, districts, Local level governments),
 - CSOs and advocates,
 - Youths and Civil Society,
 - Media and Journalists, and
 - Academics.

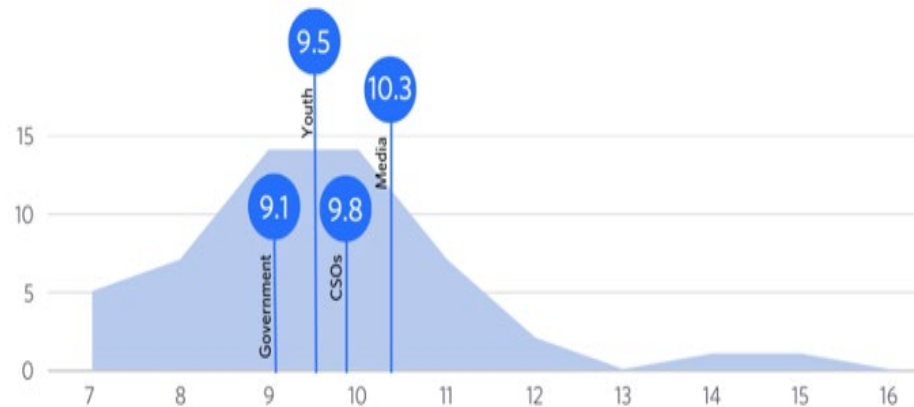
Status

- **Conducted FGDs for the following groups;**
 - Youth (online, 15 participants)
 - Media (20 participants)
 - Civil Society (online, only 6 participants)
 - National and Provincial Governments (33 participants)
 - Academe
- **FGDs conducted from May to September 2022**



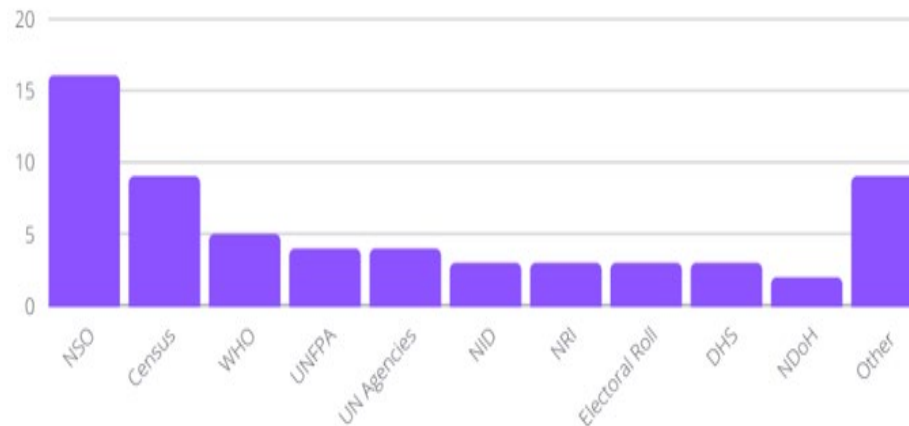
Partial Results of the FGDs

What do you think is the current population of Papua New Guinea?



Respondents estimate the population to be between 9.1 and 10.3 million. There is a significant number of respondents who think it is 7 or 8 million.

What sources do you use for population data?



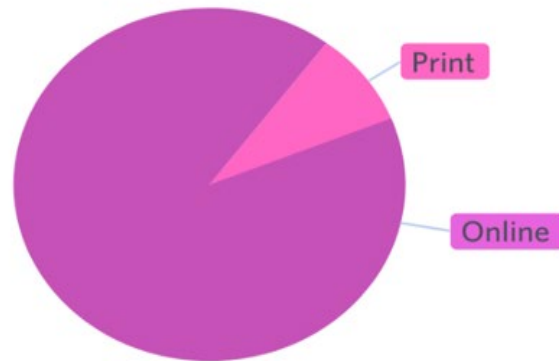
The NSO is the most common source of population data. This means that when the data from the SDES is available, the NSO is best placed to lead dissemination.

Partial Results of the FGDs

Primary challenges in utilising data



Preferred platforms for large data sets



When asked about challenges to using data, respondents said they needed more training.

In discussion, the two most common reasons for not using data were (1) that data is outdated and (2) data is not publicly available and requesting information is time consuming and difficult.

Provincial and district officials shared that they preferred using large data sets online, rather than in print. When preparing for the release of the SDES, the project team should prioritize creating user-friendly dashboards and interactive visualizations.

Data Literacy Status for PNG as a whole:

- **Partial Results from the FGD:**
 - gave some preliminary indication of level of understanding, and the
 - need for training in understanding the results produced.
- **However, prior to the FGDs:**
 - there was also an indication of how data and factual numbers are perceived.
 - There was little to no demand for the need of data.
 - Or rather, there was no avenue for the data users to voice their need for data.

Data Literacy Status for PNG as a whole:

- Hence the **Data Literacy Program** to identify the needs via FGDs and to use the results to design programs to educate and build enthusiasm for data.
- We have started this journey.
- With the assistance of SPC, UNFPA, and other partners, we can do more in the Statistical Literacy domain.



Next steps

- **Develop Data Literacy and Appreciation materials (September to October 2022)**
- **Conduct the Data Literacy and Appreciation Workshop in 22 provinces (November 2022 to March 2023)**
- **Data Appreciation Visibility Events such as Statistics Day, Media and Information Literacy Week, World Population Day, etc. (October 2022 – August 2023)**

Financial Support:



Technical Support:



THANK YOU!