# POPULATION ESTIMATES AND PROJECTIONS FOR TONGA WORKSHOP

## 13-17TH FEBRUARY 2023

### TANOA HOTEL

### NUKU'ALOFA, TONGA

© GraphicMaps.com
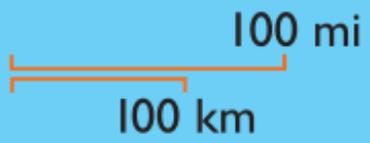
Tongatapu (inset map)

Niuafo'ou
Atata
Motu Tapu
Fafa  Oneval  Nuku
Kolovai
Nuku'alofa
Nukunuku  Kolonga
Pea
Houma  Vaini
Fatuma
Tongatapu
worldatlas.com
Fua'amotu
30 mi
30 km

100 mi
100 km
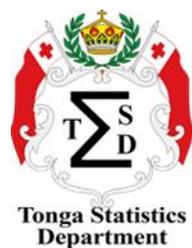
TONGATAPU
LOW - FLAT LAND

Tonga

Tafahi
Niuatoputapu

Fonualei
Toku
Vava'u Group
Late  Vava'u

Kao  Ha'ano
Tofua  Lifuka
Ha'apai Group  Uiha
Nomuka

Pacific Ocean

Nuku'alofa  Tongatapu
'Enu
Tongatapu Group

'Ata  worldatlas

getty images
John W Banagan
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# DAY 1

- **Identifying key stakeholder and customer information needs**

- **Principles of Official Statistics**

- **Tonga's National Statistics Development Strategy (NSDS)**

- **Introduction to official population estimates and projections**

# Identifying key stakeholder and customer information needs

Ministry of Justice
Ministry of Health
Ministry of Education
Inland Revenue Department
Immigration
Tonga Statistics Department

# Identifying key stakeholder and customer information needs

## Voices from the Tonga National Data System

*Tonga Statistics Dept – 96% of the Tongan population are Tongans therefore, breakdown by ethnicity is not a priority*

*Tonga Statistics Dept – even though we are in the coordination team its important we have some subject matter knowledge as it helps when we get asked statistical questions while out and about*

*Ministry of Justice – and what ethnicity do you give to a child with a Tongan mother but Chinese father?*

# Identifying key stakeholder and customer information needs

## Voices from the Tonga National Data System

*Education – we need the population estimates before the year starts to help determine the expected enrolment no. for primary schools for all island groups*

*Education – We only need one population estimates for Tonga, WB, SPC, and other agencies have different methods and provided different result – not sure which one to believe*

*Tonga Provident Fund – we need the population estimates by age group to plan ahead for the retirement fund payout*

*All participants  – data collection, system, legal framework, timeliness, accuracy, completeness are a huge challenge*

# Identifying key stakeholder and customer information needs

| POPULATION ESTIMATES SPEC FOR TONGA - VERSION | | |
|---|---|---|
| **Dimension** | **Inputs** | **Published outputs (if different)** |
| Concept | Resident/Resident + Non-resident | |
| Granularity or the scale or level of detail we wanted in the population estimates | Sex<br>Age<br>Location (island groups/village) | |
| Periodicity | Annual (Calendar Year)<br>Quarterly (Calendar Year)<br>Natural disaster/epidemic | |
| Frequency of update | Annual<br>Quarterly<br>Seasonal | |

WORK IN PROG

Tonga Strategy for the Development of Statistics (TSDS) 2019 – 2023

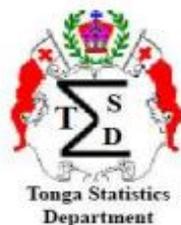Tonga Statistics Department

Statistical Legislation and Policy

Communication, Access and Use

Data and Information Management

Coordination of the Tonga National Statistics System

Resource Development

# PRINCIPLES OFFICIAL STATISTICS



PUBLIC TRUST

CONFIDENTIALITY OF INDIVIDUAL INFORMATION

IN A SMALL ISLAND/POPULATION ENVIRONMENT

**DEFINITION OF POPULATION ESTIMATES VS POPULATION PROJECTION**

An **estimate** is a calculation of the size or distribution of a population or another characteristic of the population for the **present or past**, while a **projection** describes these characteristics in the **future**.