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# PRASC



**Project for the Regional  
Advancement of Statistics  
in the Caribbean**

**Projet régional pour  
l'avancement de la statistique  
dans les Caraïbes**

Funded by the  
Government  
of Canada

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# Project for the Regional Advancement of Statistics in the Caribbean

## PRASC

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**Population Estimates**  
**Component: Household Survey Infrastructure**

Funded by the  
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# **Module 1: Greetings & Introduction**

**Hubert Denis, Chief  
Demographic Estimates Section  
Centre for Demography, Statistics Canada**

**December 2019  
Castries, St. Lucia**



# Greetings

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- Thanks for having me on your wonderful island!
- Who am I?

Hubert Denis

Chief, Demographic Estimates Section

Centre for Demography, Statistics Canada

- Time for a round table!



# Objectives of the meeting

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- Improve participant's knowledge about concepts and methods related to the production of population estimates
- Improve participants' knowledge about the best practices related to the production of population estimates
- Improve participants' capacity to produce annual mid-year population estimates by age and gender using Microsoft Excel



# Objectives of the meeting

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- At the end of the meeting, you should be able to use and/or adapt the “Excel System” for your own purposes.
- Does OECS have any particular interests?
- What are OECS objectives by participating at this workshop?



# Agenda – Day 1

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## **Morning (9:00 AM - 12:00 PM)**

Greetings & Introduction

Producing Population Estimates: General principles and Best Practices

Defining the needs of the OECS members related to Population Estimates

## **Lunch (12:00 PM - 1:15 PM)**

## **Afternoon (1:15 PM - 4:30 PM)**

Defining the needs of the OECS members...

Estimates of the total population

The Component Method

Base Population, Components of population change



# Agenda – Day 2

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## **Morning (9:00 AM - 12:00 PM)**

Estimates of Population by Age & Sex  
The Cohort-Component Method  
From Events to Cohorts

## **Lunch (12:00 PM - 1:15 PM)**

## **Afternoon (1:15 PM - 4:30 PM)**

Estimates of Population by Age & Sex  
The Base Population & the components of pop. change  
Postcensal Estimates, Rebasing and Intercensal Estimates



# Agenda – Day 3

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## **Morning (9:00 AM - 12:00 PM)**

The Excel System and its user-guide

A review of Excel functions used in the system

## **Lunch (12:00 PM - 1:15 PM)**

## **Afternoon (1:15 PM - 4:30 PM)**

Tutorials using the Excel System

From Census Day to the first mid-year reference date

From one mid-year reference date to another

From a mid-year reference date to Census Day



# Agenda – Day 4

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- We will take the whole day to simulate a 10-year production for a whole Census cycle.
- Data will be created when not available!
- The most important day of the week!



# Agenda – Day 5

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## **Morning (9:00 AM - 12:00 PM)**

A look back at the simulation

What should we modify / add to the Excel system?

## **Lunch (12:00 PM - 1:15 PM)**

## **Afternoon (1:15 PM - 4:30 PM)**

Review of the week

Summary of discussions (SOD Report)



# During the meeting...

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- From 9:00am to 4:30pm
  - One break in the morning (10:15am)
  - Lunch time from 12h00pm to 1h15pm
- For each item of the agenda, there will be a presentation
- Questions will be asked in order to generate discussions and solutions
- Never hesitate to interrupt and ask questions during presentations



# At the end of the meeting...

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- A look back at the mission
- Summary of discussions (SOD)
  - Post-meeting homework for both OECS and STC

# Suggested Readings

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- The Methods and Materials of Demography, 2<sup>nd</sup> edition, Elsevier Academic Press, 2004.
- United Nations, Handbook of Population and Housing Censuses (several editions)
- United Nations, Principles and Recommendations for Population and Housing Censuses (several editions)
- United Nations Demographic Manuals On-line  
<http://www.un.org/en/development/desa/population/>
- [Population Analysis for Policies and Programmes \(IUSSP\)](#)
- [Population and Family Estimation Method at Statistics Canada, 2015.](#)



# Thank you!

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