

# TRANSFORMING STATISTICAL PRODUCTION PROCESSES –THE JAMAICAN EXPERIENCE

**CARIBBEAN THEMATIC CONFERENCE**

**25-27 NOVEMBER, 2019**

**CHRIST CHURCH, BARBADOS**

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# Functions of STATIN

Collect, compile, analyse, abstract and publish statistical information relating to the commercial, industrial, social, economic and general activities and condition of the people;

Collaborate with public agencies in the collection, compilation and publication of statistical information;

Take any census in Jamaica;

Promote and develop integrated social and economic statistics;

Co-ordinate programmes for the integration of statistics.



# The Modernization Process at STATIN

Modernization process is guided by strategic five year plans; (2002 -2005) (2012- 2017) and (2019-2023) and is driven by:

Growing demand for more statistics to be provided in a more timely manner and be more easily accessible;

Pressure for STATIN to remain relevant;

Quest for STATIN to become more efficient in its operations;

Need for STATIN to become more flexible and adaptive and more responsive to the change in data needs of its stakeholders.



# Strategic Themes

Strengthening the  
legal framework

Improving  
organizational  
effectiveness and  
efficiencies

Maintaining and  
enhancing the client  
focused service  
culture

Continuous  
improvement and  
expansion in statistical  
programmes and  
services

Use of information  
technology to  
modernise processes

Ensure the funding  
and sustainability of  
STATIN



# The Modernization Process

- Review of core statistical business processes and related quality assurance systems;
- Development of STATIN's value chain based on the Generic Statistical Business Process Model;
- Shift from a functional view of the statistical production to one focused on the processes;
- Development of an ICT Policy and Strategy.

# Use of Technology to Modernise Processes

Development of the data management system (DMS) for the management of the core statistical programmes

Improvement of the ICT infrastructure at the Head Office and field offices

Conversion of the data collection process to CAPI

Electronic access to administrative data

Increased use of statistical processing software

Dissemination via Web

# Conversion to CAPI

- eDaCs - an in-house developed electronic data collection system – using tablets

## Advantages of eDaCs

Reduction in operating costs, e.g. paper and printing costs.

Elimination of processes such as manual editing, data entry

Reduction in the turn around time for some statistical products

## Challenges of eDaCs

Programming intensive  
– in-house IT staff

Inability to incorporate previous quality checks.



# Conversion to CAPI

- Transition to and utilization of open source data collection software – Survey Solutions , CSPro;
- Reduction in heavy dependence on in-house programming resources;
- Quick turn around time for development of questionnaires;
- Geo-referencing;
- Reduction in cost with use of android tablets.





# Electronic Access to Administrative Data

- Data can be linked using the taxpayer registration number (TRN);
- Reduced dependency on surveys – quarterly GDP, annual national accounts, tourism satellite accounts, employment and earnings;
- Faster turn around time as data is more timely;
- Reduction in respondent fatigue.



# Statistical Processing Software

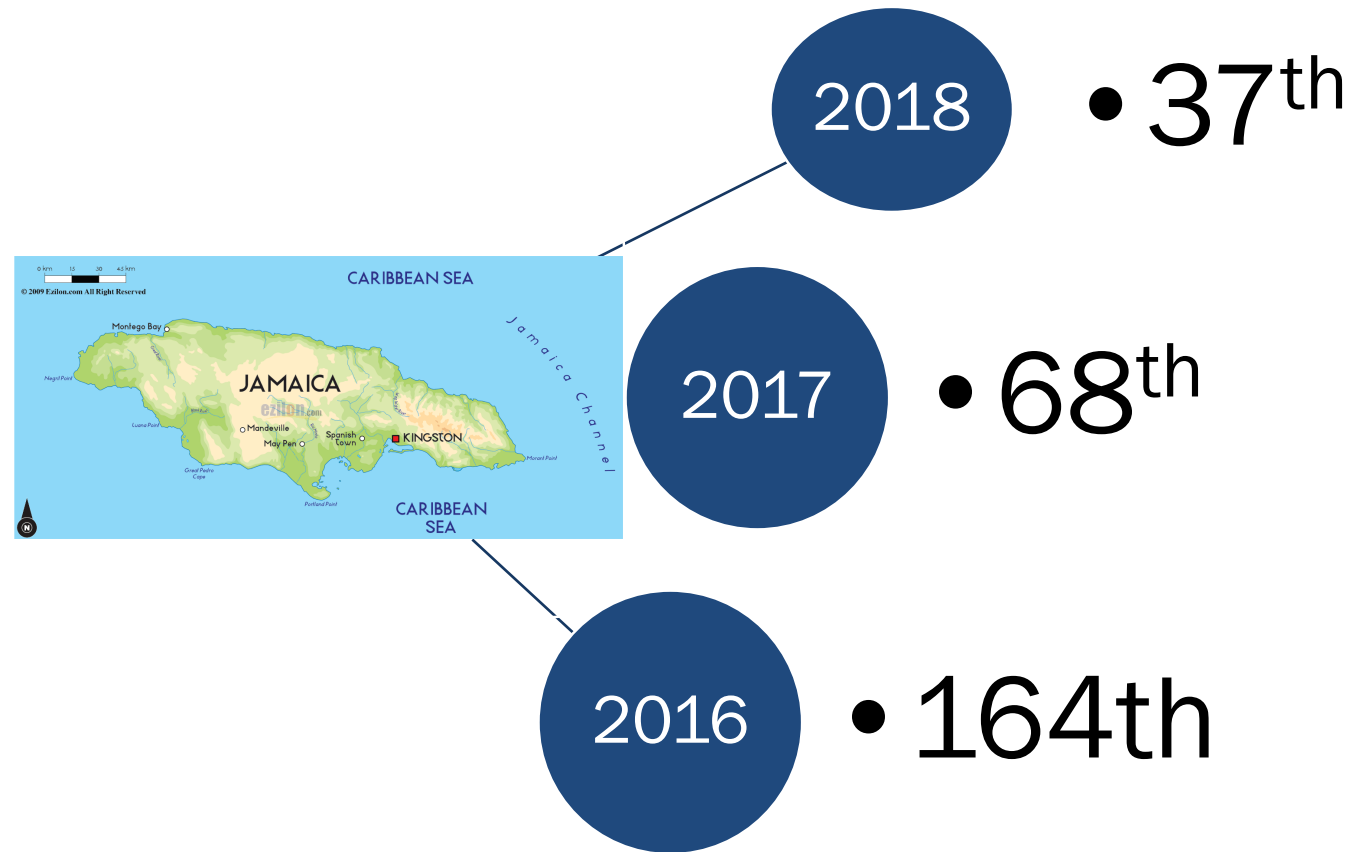
- SAS the main software used for processing data, it has the ability to manage large volumes of data such as the international merchandise statistics
- Stata
- SPSS



# Dissemination

- Dissemination of statistics mainly through the web;
- Open data format –using DataZoa and SDMX;
- Redatam is used for Census data;
- Increased use of info graphics;
- Increased social media presence e.g. Facebook, Instagram, LinkedIn.

# Jamaica's Ranking by Open Data Watch



# Open Data at STATIN

- Largely used for dissemination
  - Statistical Tables
    - DataZoa
    - Statistical Data and Metadata Exchange (SDMX)

**Consumer Price Index**

[Statistics](#) [Press Releases](#) [Methodology for CPI](#)






**Annual Averages**

	2010	2011	2012	2013	2014	2015	2016	2017
<b>AVERAGE ANNUAL INDEX</b>	160.7	172.8	184.7	202.0	218.7	226.7	232.1	242.2
<b>AVERAGE ANNUAL INFLATION RATE</b>	10.0	7.5	6.9	9.1	9.0	3.7	2.4	4.4

Download: [XLS](#) [CSV](#) [QCSV](#) [TSV](#) [Text](#) or [Preview/Print](#)


Options: ☐ Preserve Colors ☐ Only Data as Shown ☒ Dates Across Top

Date Range: From 2002 To 2017

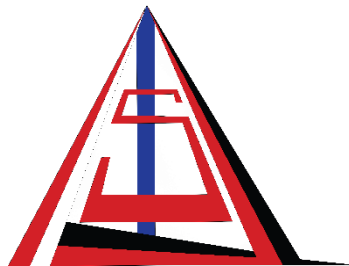
# Open Data at STATIN

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## Macroeconomic and Financial Data

National Accounts (GDP)	<a href="#">Browse Data</a>	<a href="#">Download in SDMX</a>	<a href="#">DSBB Metadata</a>
Consumer Price Index	<a href="#">Browse Data</a>	<a href="#">Download in SDMX</a>	<a href="#">DSBB Metadata</a>
General Government Operations			
Central Government Operations	<a href="#">Browse Data</a>	<a href="#">Download in SDMX</a>	<a href="#">DSBB Metadata</a>



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