

# Statistical Challenges in Measuring Digital Economy: The Philippine Experience

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High Level Seminar on the Digital Economy: A Policy and Statistical Perspective  
Beijing China  
15-17 October 2018



# OUTLINE

- I. Introduction
- II. Legal frameworks
- III. On-going Philippine initiatives
- IV. Challenges of statistical offices
- V. Support needed

# I. Introduction

## Digital Economy



**E-Commerce**  
-transfer of goods; goods online

**E- Business**  
-how business is conducted e.g. processes thru computer aided

**E- Business**  
-infrastructure; softwares, internet, networks, telecoms, human capital





# II. Legal Frameworks

## Philippine Statistical Act of 2013 under the Republic Act 10625

*“ ...The PSA shall be primarily responsible for all national censuses and surveys, sectoral statistics, consolidation of selected administrative recording systems and compilation of the **national accounts and emerging industries.**”*



# II. Legal Frameworks

## Executive Order 352, Series of 1996

***“ ...Designation of Statistical Activities that will Generate Critical Data for Decision-Making of the Government and the Private Sector***

***e.g. digital economy***



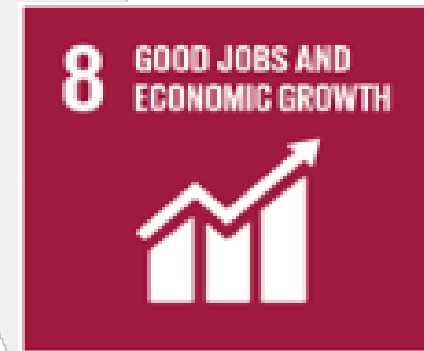
# II. Legal Frameworks

## PSA Resolution No. 7

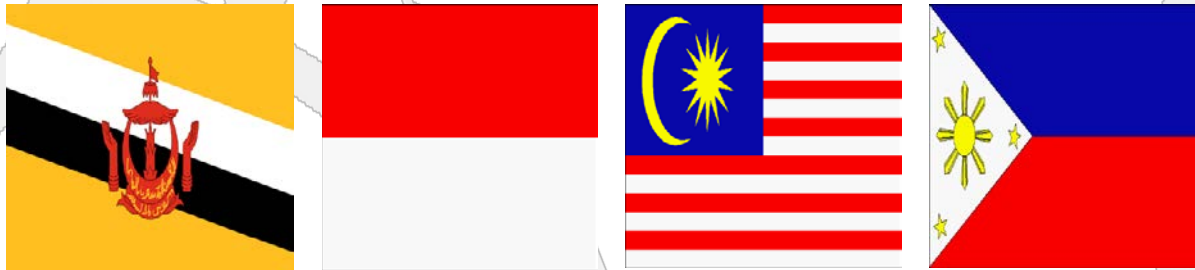
*Dissemination Of  
Advance Release  
Calendars Of  
Statistical  
Activities*

# II. Legal Frameworks

## Sustainable Development Goals for Agenda 2030



# II. Legal Frameworks



**Brunei Darussalam-Indonesia-Malaysia-  
Philippines, East ASEAN Growth Area  
(BIMP-EAGA)**

***ASEAN***

***SNA, Tourism***

***Trade, Investment***







# II. Legal Frameworks

## Philippine Development Plan (PDP) for 2017-2022

- outlines the strategies intended to propel economy Thru expansion & capturing of emerging industries like **“digital economy”** etc



# II. Legal Frameworks

## Philippine Statistical Development Plan (PSDP) 2018-2023

### *Enumerates :*

-thrusts and strategies,  
new development programs and  
building-up current efforts of  
emerging industries including  
**“digital economy”**





# III. On-going Philippine Initiatives

## 1. Inter-Agency Committees

- IAC on Information, Communications and Technology Statistics
- IAC on Macroeconomic Accounts Statistics
- IAC on Trade Statistics (goods and services)





# III. On-going Philippine Initiatives

## 2. Updating of Classifications

- **Philippine Standard Industrial Classification (PSIC)**
- **Philippine Classification of Individual Consumption According to Purpose (PCOICOP)**



# III. On-going Philippine Initiatives

## 3. Overall Revision and Rebasing of the Philippine System of National Accounts (rebased to 2018)



# III. On-going Philippine Initiatives

## 4. Updating of Frameworks

- Philippine Health Accounts
- Philippine Education

# IV. Challenges to NSOs



**GOALS**

Who will lead the  
research for  
measuring the  
digital economy?

Is this the Central Banks?  
Or ICT agency? But NSOs can be left out?

# IV. Challenges to NSOs

**GOALS**



**Capacity should be sustained;**  
**Coordination among agencies**

**Are resources available w/ NSOs?  
assistance from devt partners, etc.**



# IV. Challenges to NSOs

**GOALS**

**Urgent need for conceptual framework & compilation guide.**

**Will this captures what it intended to measure? Important - contributions from countries, international organizations, etc**



# IV. Challenges to NSOs

Available data not sufficient !

**GOALS**

*Establishments censuses  
and surveys  
Balance of Payments  
Administrative reports  
Big data / Open data*

**NSOs to conduct benchmark data; what are the indicators to support available data??**



# IV. Challenges to NSOs

To Users:

*Acceptability*

*Advocacies*

*Communication*

*Dissemination*



Who will lead? Particularly on policy uses and applications?

# IV. Challenges to NSOs

**Institutionalize:**

***Benchmark Data***

***Regular Data***

***Indicators***



**GOALS**

**Coordination mechanisms**



# V. Support Needed

1. Additional Data
2. Compilation Guide
3. Technical Assistance
4. Training
5. Program for Implementation





Republic of the Philippines  
Philippine Statistics Authority



# Thank You!



<http://www.psa.gov.ph>



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