Statistical Challenges in Measuring Digital Economy: The Philippine Experience

Vivian R. Ilarina
Assistant National Statistician
Philippine Statistics Authority

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

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

Capacity should be sustained;
Coordination among agencies

Are resources available w/ NSOs?
assistance from devt partners, etc.
IV. Challenges to NSOs

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!

- 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

Coordination mechanisms
V. Support Needed

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

http://www.psa.gov.ph
/PhilStatAuthority
@PSAgovph

Vivian R. Ilarina, PSA
v.ilarina@psa.gov.ph
vr_ilarina1@yahoo.com