Sustainable Statistical Resource Management as a Tool for Reducing Carbon Emissions and Monitoring the SDGs

Candido J. Astrologo, Jr.
Assistant National Statistician
Philippine Statistics Authority

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Outline

1. Sources of data on SDGs / carbon emissions
2. Financing of Statistics in the Philippines in support of monitoring the SDGs
4. Ways forward
## 1. Sources of Data on SDGs / GHG / Carbon Emissions

The table below shows the number of SDG indicators available in the Philippine Statistical System (PSS) by source as of August 2017.

### Sources of Data

<table>
<thead>
<tr>
<th>Sources of Data</th>
<th>SDG Indicators (232)</th>
<th>GHG / Carbon Emissions (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Censuses and Surveys</td>
<td>36</td>
<td>-</td>
</tr>
<tr>
<td>2. Administrative Data</td>
<td>103</td>
<td>1</td>
</tr>
<tr>
<td>3. Combination of 1 and 2</td>
<td>16</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>155 (66.8%)</strong></td>
<td><strong>1 (33.3%)</strong></td>
</tr>
</tbody>
</table>

(As of August 2017)
I. Sources of Data on SDGs / GHG / Carbon Emissions

Sources of 155 available SDG Indicators in the PSS by Type of Source (as of August 2017)

- Census, Survey and Administrative data: 10.3%
- Survey data: 23.2%
- Administrative Data: 66.5%

More than 20 government agencies produce administrative data on the SDGs.
## I. Sources of Data on SDGs / GHG / Carbon Emissions

### SDG indicators on air quality – Availability in the PSS  (as of August 2017)

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.9.1</td>
<td>Mortality rate attributed to household and ambient air pollution</td>
</tr>
<tr>
<td>11.6.2</td>
<td>Annual mean levels of fine particulate matter (e.g. PM2.5 and PM10) in cities (population weighted)</td>
</tr>
<tr>
<td>13.2.1</td>
<td>Number of countries that have communicated the establishment or operationalization of an integrated policy/strategy/plan which increases their ability to adapt to the adverse impacts of climate change, and foster climate resilience and low greenhouse gas emissions development in a manner that does not threaten food production (including a national adaptation plan, nationally determined contribution, national communication, biennial update report or other)</td>
</tr>
</tbody>
</table>

- (X)
- (X)
- (X)
- (✓)
II. Financing of Statistics in the Philippines

Budget of the Philippine Statistics Authority (PSA): 2013-2018

<table>
<thead>
<tr>
<th>Year</th>
<th>% GDP</th>
<th>% Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>0.03</td>
<td>0.18</td>
</tr>
<tr>
<td>2014</td>
<td>0.02</td>
<td>0.13</td>
</tr>
<tr>
<td>2015</td>
<td>0.04</td>
<td>0.19</td>
</tr>
<tr>
<td>2016</td>
<td>0.02</td>
<td>0.11</td>
</tr>
<tr>
<td>2017</td>
<td>n/a</td>
<td>0.10</td>
</tr>
<tr>
<td>2018</td>
<td>n/a</td>
<td>0.15</td>
</tr>
</tbody>
</table>

7.4% CAGR
II. Financing of Statistics in the Philippines

Budget of the Environmental Management Bureau: 2013-2018

(Billion Pesos)

14.3% CAGR

II. Financing of Statistics in the Philippines

Carbon Dioxide Emissions (MT)

- 2010
- 2011
- 2012
- 2013
- 2014
- 2015

5.3% AAGR

Budget

Total Suspended Particulates annual mean values, Metro Manila

- 2008
- 2009
- 2010
- 2011
- 2012
- 2013
- 2014
- 2015

3.4% CAGR
III. Statistics – Business Unusual

Issues

- Timeliness
- Lack of disaggregation ("leaving no one behind"; geographical and sectoral)
- Sustainability of statistical activities: funding
- Methodological issues
- Quality issues
- Need for capacity building
### III. Statistics – Business Unusual

<table>
<thead>
<tr>
<th>Traditional</th>
<th>“Business Unusual”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Census, surveys</td>
<td>Big data, citizen-generated data, satellite images</td>
</tr>
<tr>
<td>Paper questionnaires</td>
<td>Computer-aided Personal Interview (CAPI), tablets</td>
</tr>
<tr>
<td>Face-to-face interviews</td>
<td>Online submission</td>
</tr>
<tr>
<td>Data silos</td>
<td>Data ecosystem</td>
</tr>
<tr>
<td>Data analysis</td>
<td>Infographics, Data visualizations, Data storytelling, Data poetry</td>
</tr>
<tr>
<td>Data warehouse</td>
<td>Data garden</td>
</tr>
<tr>
<td>Data sharing</td>
<td>Data philanthropy (CSR), Open data</td>
</tr>
</tbody>
</table>

**Data Revolution**

- Modernization
- Innovation
- Transformation
IV. Ways forward

• Invest in Statistics.
• Invest in Official Statisticians.
• Invest in Statistical Offices.

Sustainable Data for Sustainable Development
Thank You!

http://www.psa.gov.ph
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