National SDG Data Hubs: Statistical integration and geographic disaggregation (Philippines)

5th High Level Forum on United Nations
Global Geospatial Information Management
Implementing the Sustainable Development Goals:
The Role of Geospatial Technology and Innovation
Mexico City, Mexico
November 28 – 30, 2017

Outline of Presentation

I. Status of Philippine Data Hub Project
II. Updating SDG data and Data Hub
III. Open Data Initiatives
IV. Linking SDG and Data Hub to National Outcome
V. Country work on integrating statistical and geospatial information
VI. Data Hub (available data)

Status of Philippine Data Hub Project

- http://mapstat-psa.opendata.arcgis.com/
- Servers
- ArcGIS software

Data Hub

mapstat-psa.opendata.arcgis.com
PHILIPPINE STATISTICS AUTHORITY
Sign In
Open Data on Maps!
This site complements PSA OpenSTAT portal allowing data users to visualize data on maps. Users can also explore and download published data, discover and build web maps and apps, and analyze and combine datasets using maps.
This site is under construction and data published here are not official!
Explore Data Categories
Sustainable Development Goals
Agriculture, Forestry and Fisheries
Domestic and Foreign Trade
Industry, Trade and Services
Environment and Energy

Data Hub

rcgis.com/pages/sustainable-development-goals
Philippine Statistics Authority
Sign In
SUSTAINABLE DEVELOPMENT GOALS
Search SDG data ...
Explore Data Categories
1 NO POVERTY
2 ZERO HUNGER
3 GOOD HEALTH AND WELL-BEING
4 QUALITY EDUCATION
5 GENDER EQUALITY
6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY
8 DECENT WORK AND ECONOMIC GROWTH
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
10 REDUCED INEQUALITIES
11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION
14 LIFE BELOW WATER
15 LIFE ON LAND
16 PEACE, JUSTICE AND STRONG INSTITUTIONS
17 PARTNERSHIPS FOR THE GOALS

Updating SDG data and the Data hub

- Republic Act No. 10625
- Poverty and Human Development Statistics Division

Data Hub

PSA SDG Team

Advisers

- **National Statistician**
- **Deputy National Statistician**
- **Assistant National Statistician**
- **Director,**
  Statistical Methodologies Unit
- **Director,**
  International Cooperation Unit

Overall Coordinator

- **Technical Specialists on SDGs,** PHDSD

Members

- **Sector Specialists for each Goal**

Team Leader

- **Chief Statistical Specialist**
  Poverty and Human Development Statistics Division (PHDSD)

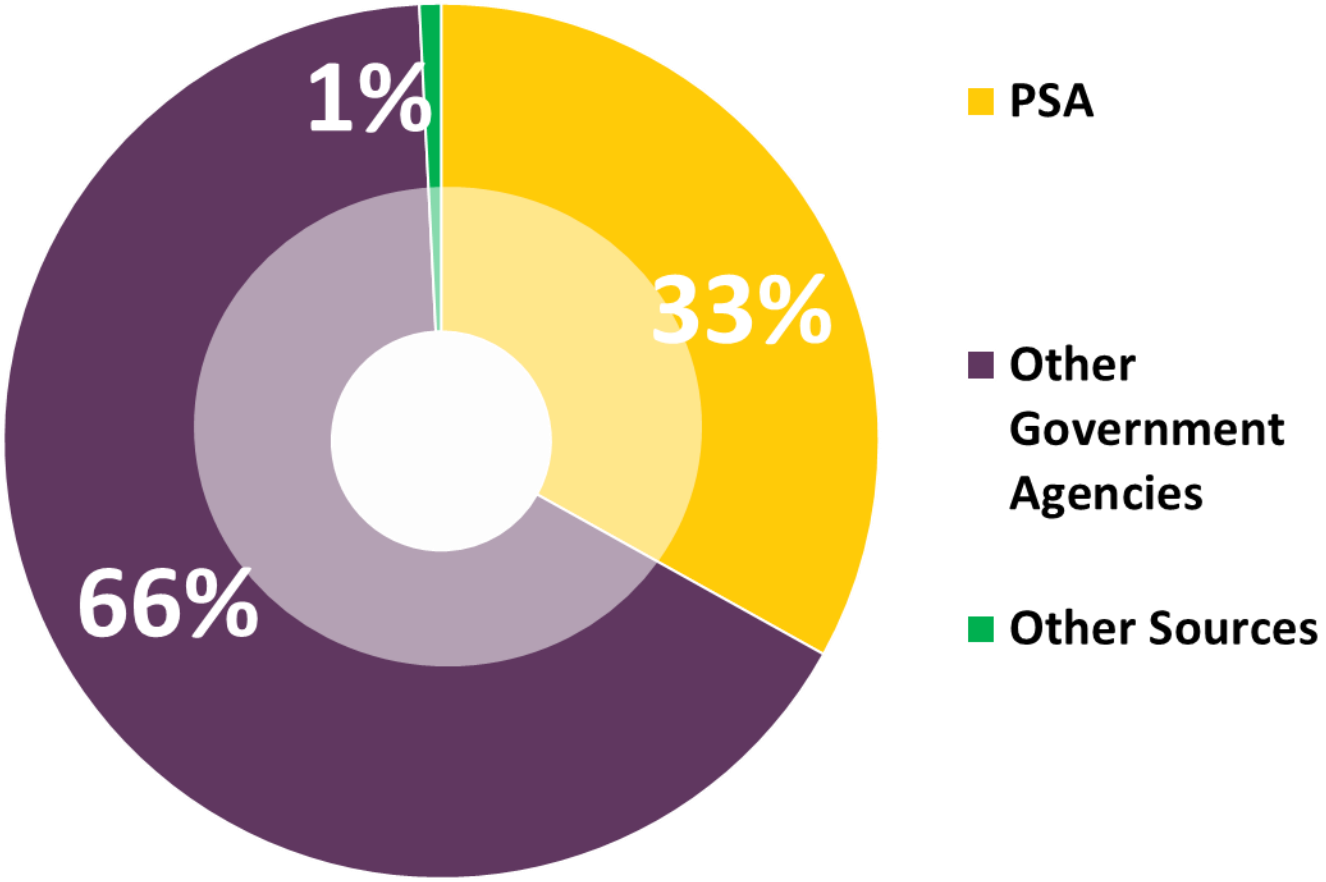
The assessment made on the availability of the SDG indicators in the Philippines showed that out of 244 indicators, 103 indicators are classified as Tier 1 indicators, 59 are Tier 2 indicators, 71 are Tier 3 indicators and 11 indicators are not applicable to the country.

Open Data Philippines

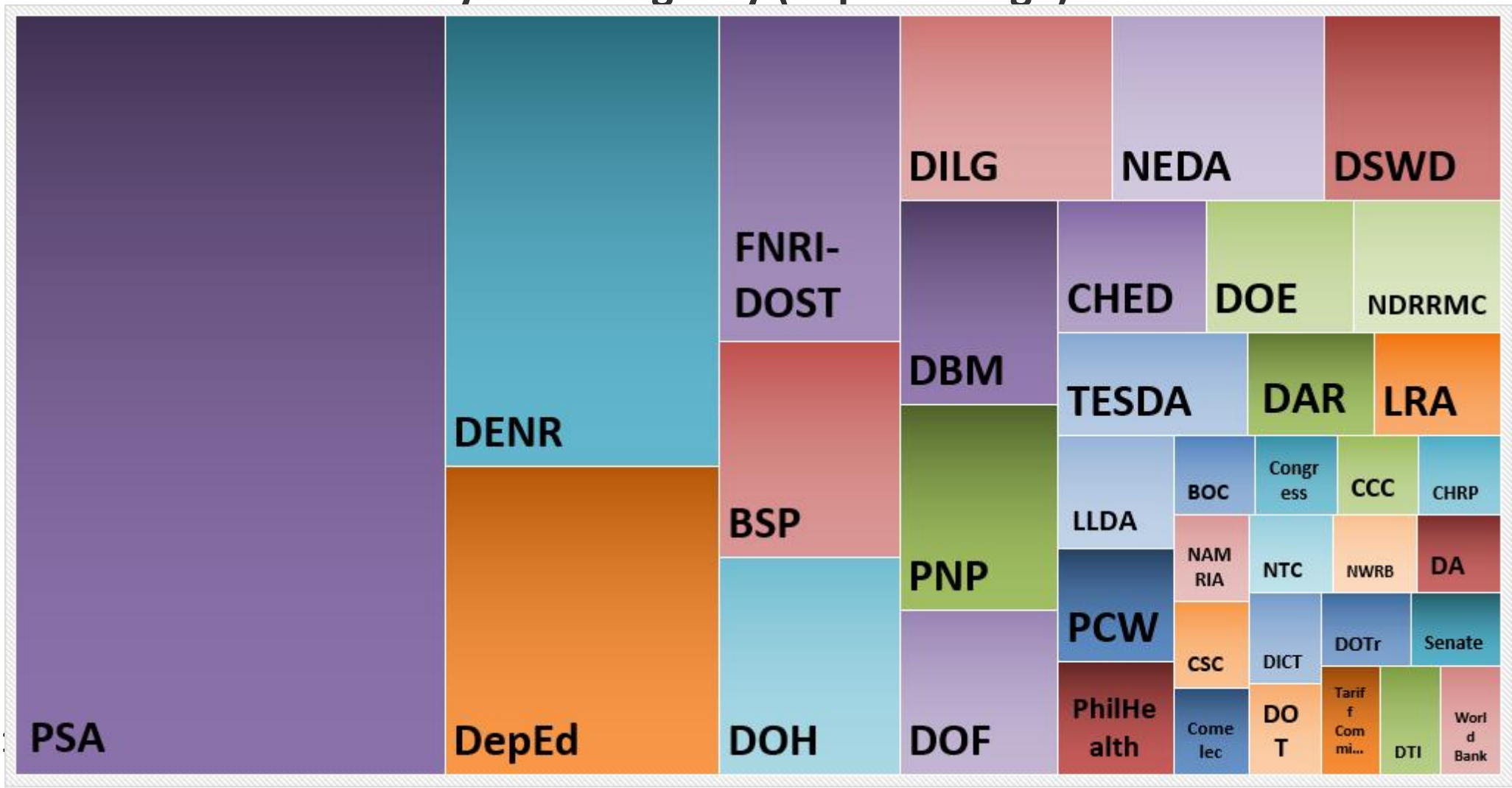
Open Data Philippines

9

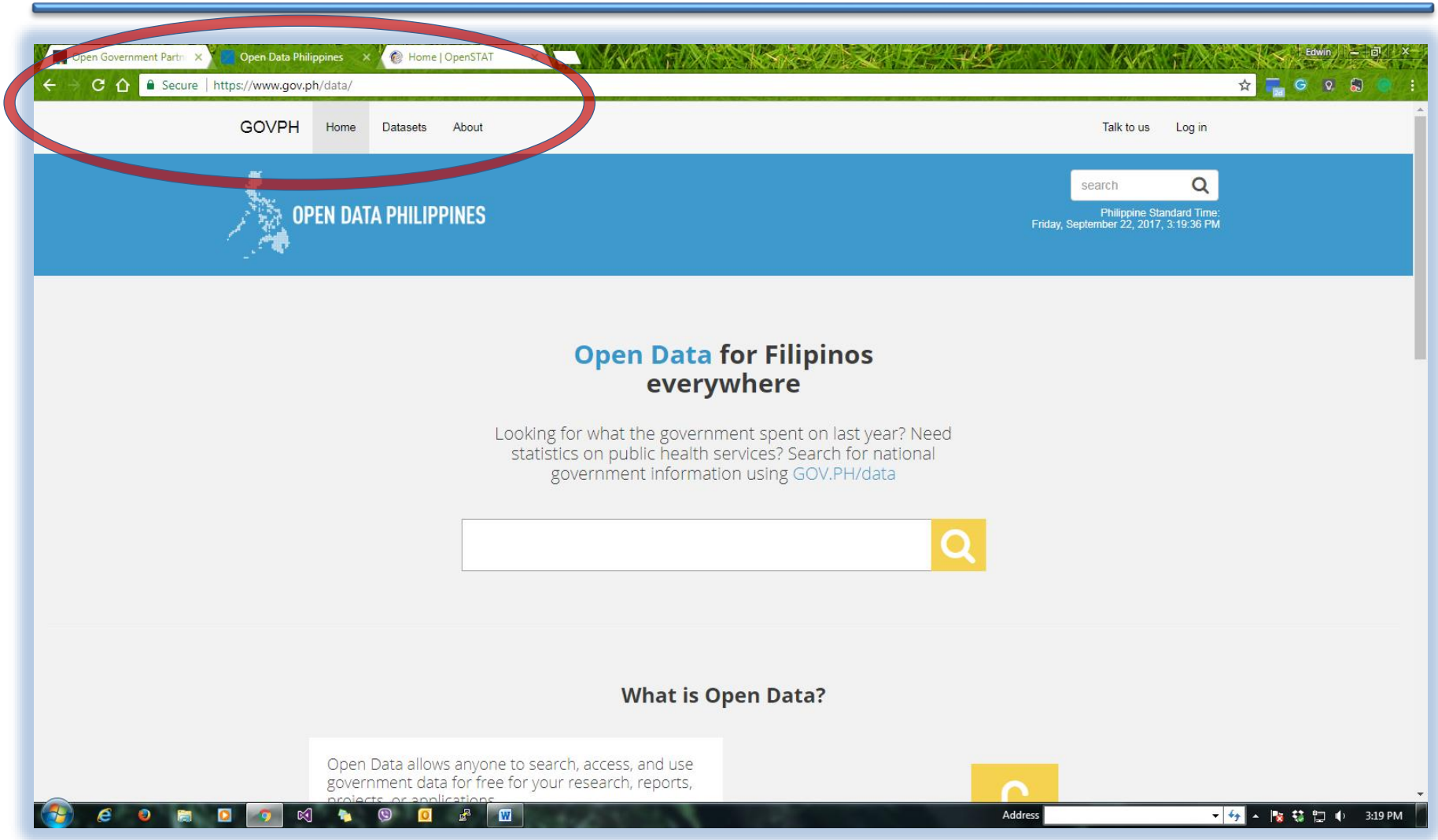
Distribution of the Initial List of Philippine SDG Indicators, by data source agency



Distribution of the Initial List of Philippine SDG Indicators, by by source agency (in percentage)

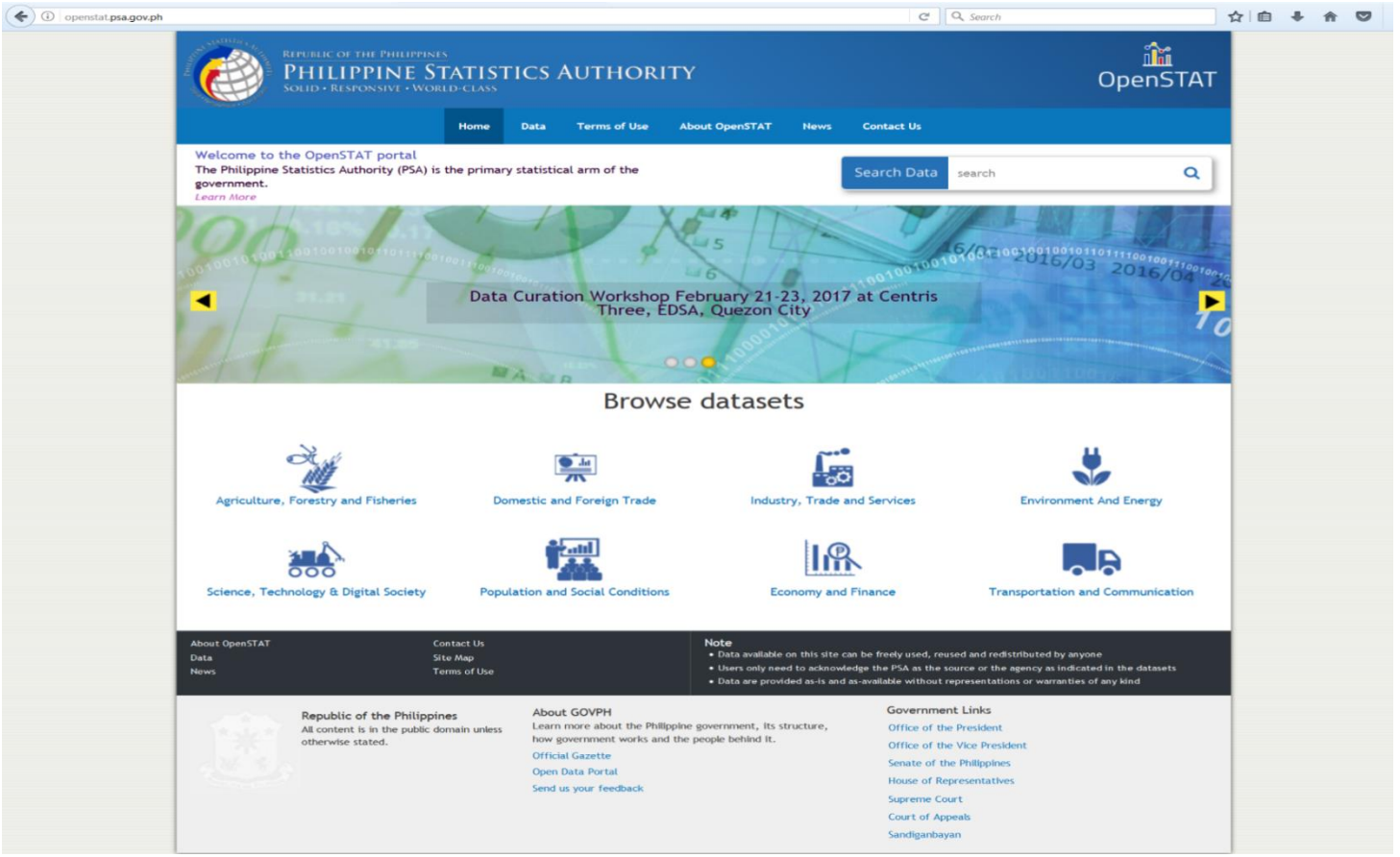


Open Data Portal



12

http://openstat.psa.gov.ph/

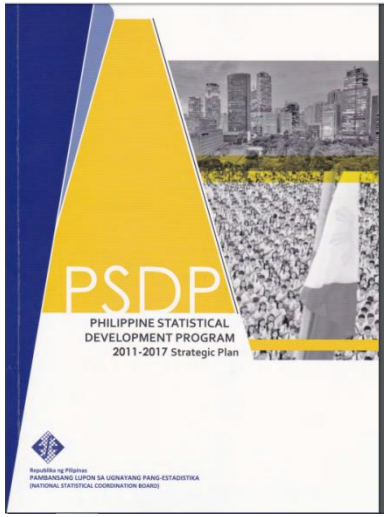


Linking SDG and Data Hub to National Outcome

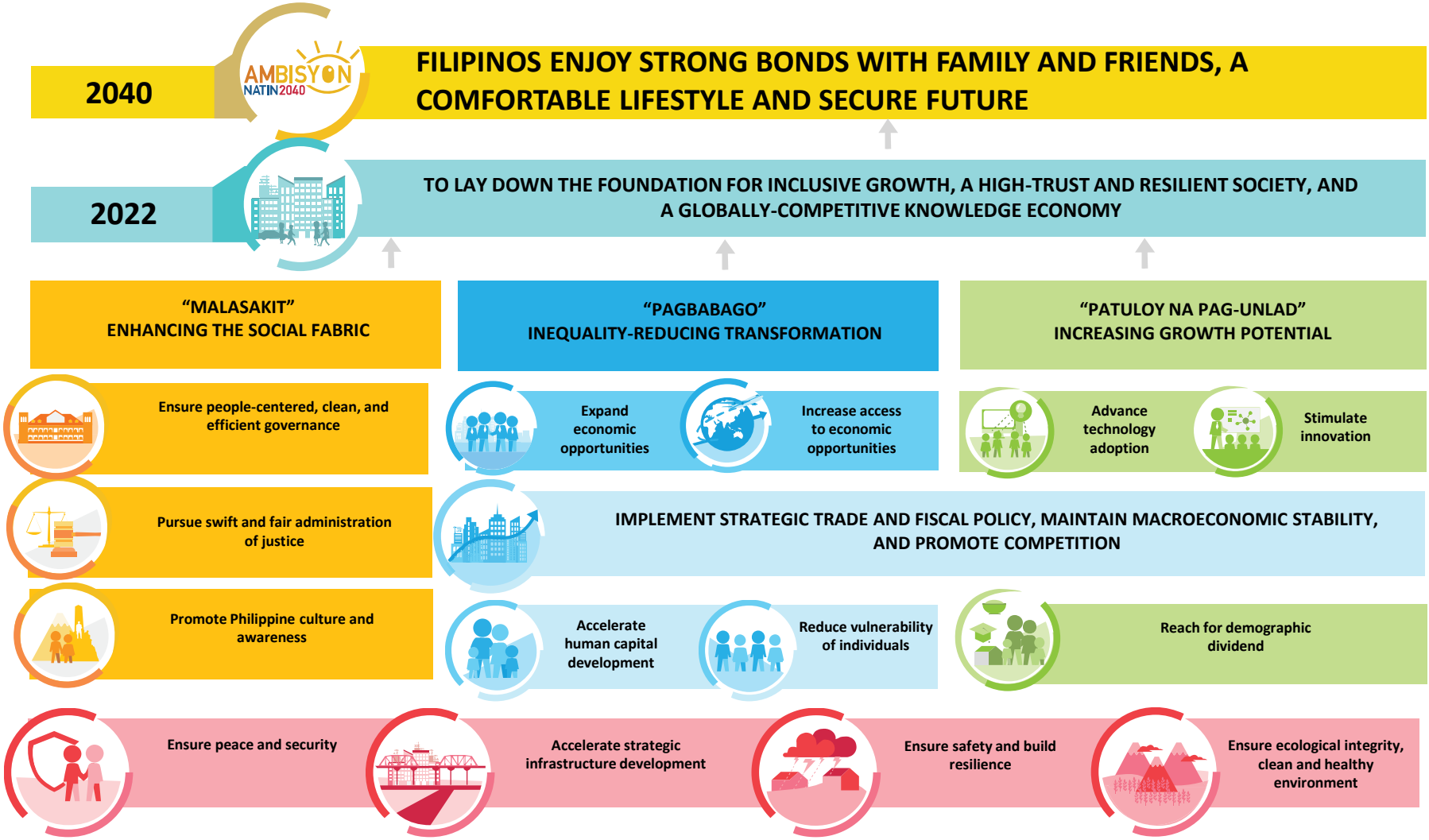
- Ambisyon Natin 2040
- Philippine Development Plan 2017 – 2022
- Philippine Statistical Development Plan
- Inter-Agency Committees
- IAC– Statistical Information Management and Dissemination (SIMD)

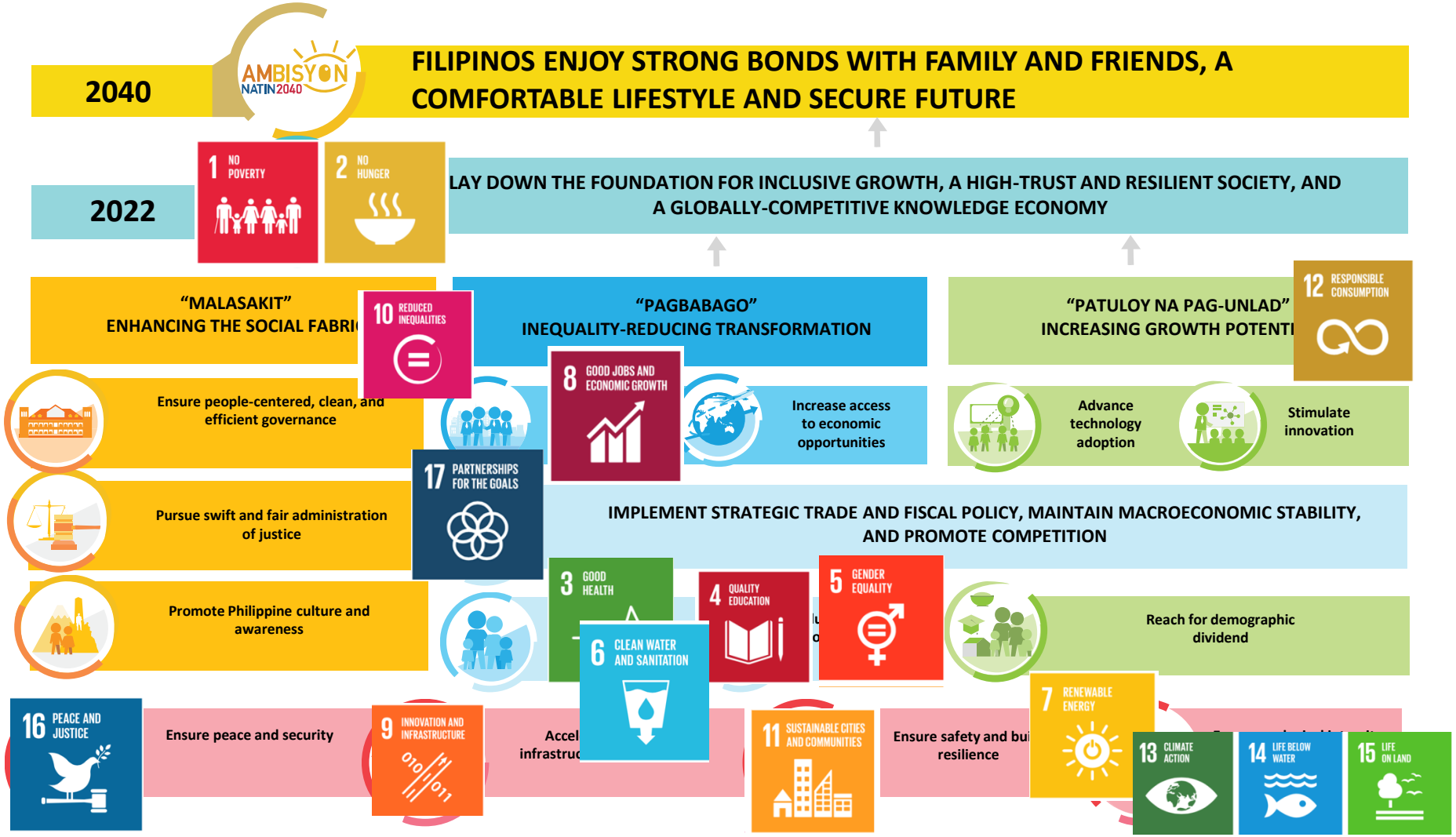
Linking SDG and Data Hub to National Outcome

Inter-Agency Committee →



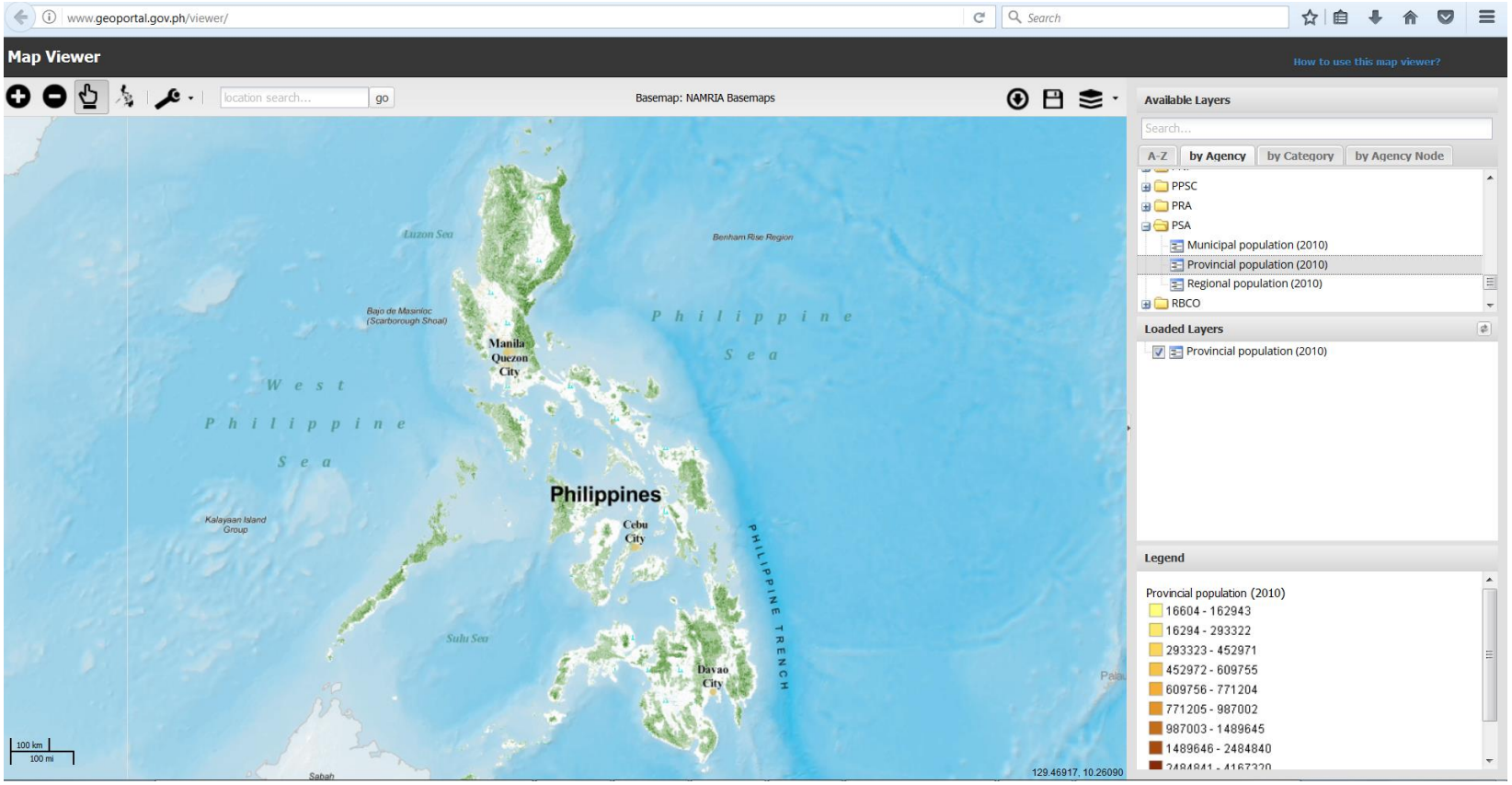
→ Philippine Development Plan 2017-2022 → AMBISYON NATIN 2040


2040
AMBISYON NATIN 2040
FILIPINOS ENJOY STRONG BONDS WITH FAMILY AND FRIENDS, A COMFORTABLE LIFESTYLE AND SECURE FUTURE
2022
TO LAY DOWN THE FOUNDATION FOR INCLUSIVE GROWTH, A HIGH-TRUST AND RESILIENT SOCIETY, AND A GLOBALLY-COMPETITIVE KNOWLEDGE ECONOMY
"MALASAKIT"
ENHANCING THE SOCIAL FABRIC
"PAGBABAGO"
INEQUALITY-REDUCING TRANSFORMATION
"PATULOY NA PAG-UNLAD"
INCREASING GROWTH POTENTIAL
Ensure people-centered, clean, and efficient governance
Expand economic opportunities
Increase access to economic opportunities
Advance technology adoption
Stimulate innovation
Pursue swift and fair administration of justice
IMPLEMENT STRATEGIC TRADE AND FISCAL POLICY, MAINTAIN MACROECONOMIC STABILITY, AND PROMOTE COMPETITION
Promote Philippine culture and awareness
Accelerate human capital development
Reduce vulnerability of individuals
Reach for demographic dividend
Ensure peace and security
Accelerate strategic infrastructure development
Ensure safety and build resilience
Ensure ecological integrity, clean and healthy environment


2040
AMBISYON NATIN 2040
FILIPINOS ENJOY STRONG BONDS WITH FAMILY AND FRIENDS, A COMFORTABLE LIFESTYLE AND SECURE FUTURE
2022
1 NO POVERTY
2 NO HUNGER
LAY DOWN THE FOUNDATION FOR INCLUSIVE GROWTH, A HIGH-TRUST AND RESILIENT SOCIETY, AND A GLOBALLY-COMPETITIVE KNOWLEDGE ECONOMY
"MALASAKIT"
ENHANCING THE SOCIAL FABRI
10 REDUCED INEQUALITIES
"PAGBABAGO"
INEQUALITY-REDUCING TRANSFORMATION
"PATULOY NA PAG-UNLAD"
INCREASING GROWTH POTENTI
12 RESPONSIBLE CONSUMPTION
Ensure people-centered, clean, and efficient governance
8 GOOD JOBS AND ECONOMIC GROWTH
Increase access to economic opportunities
Advance technology adoption
Stimulate innovation
17 PARTNERSHIPS FOR THE GOALS
Pursue swift and fair administration of justice
IMPLEMENT STRATEGIC TRADE AND FISCAL POLICY, MAINTAIN MACROECONOMIC STABILITY, AND PROMOTE COMPETITION
Promote Philippine culture and awareness
3 GOOD HEALTH
4 QUALITY EDUCATION
5 GENDER EQUALITY
Reach for demographic dividend
6 CLEAN WATER AND SANITATION
16 PEACE AND JUSTICE
Ensure peace and security
9 INNOVATION AND INFRASTRUCTURE
Accel
infrastruc
11 SUSTAINABLE CITIES AND COMMUNITIES
Ensure safety and bu
resilience
7 RENEWABLE ENERGY
13 CLIMATE ACTION
14 LIFE BELOW WATER
15 LIFE ON LAND

Country work on integrating statistical and geospatial information

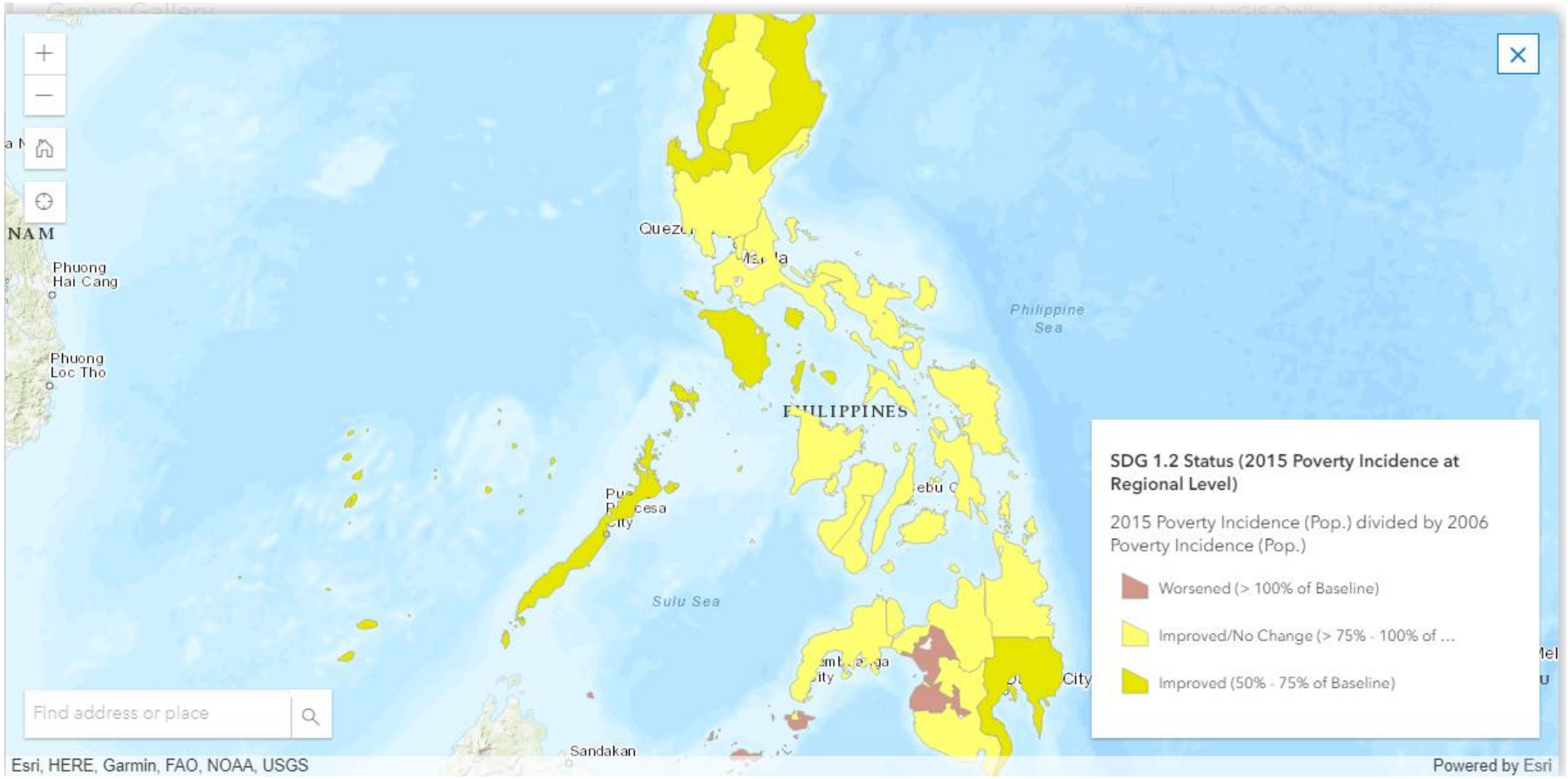
http://www.geoportal.gov.ph/viewer/



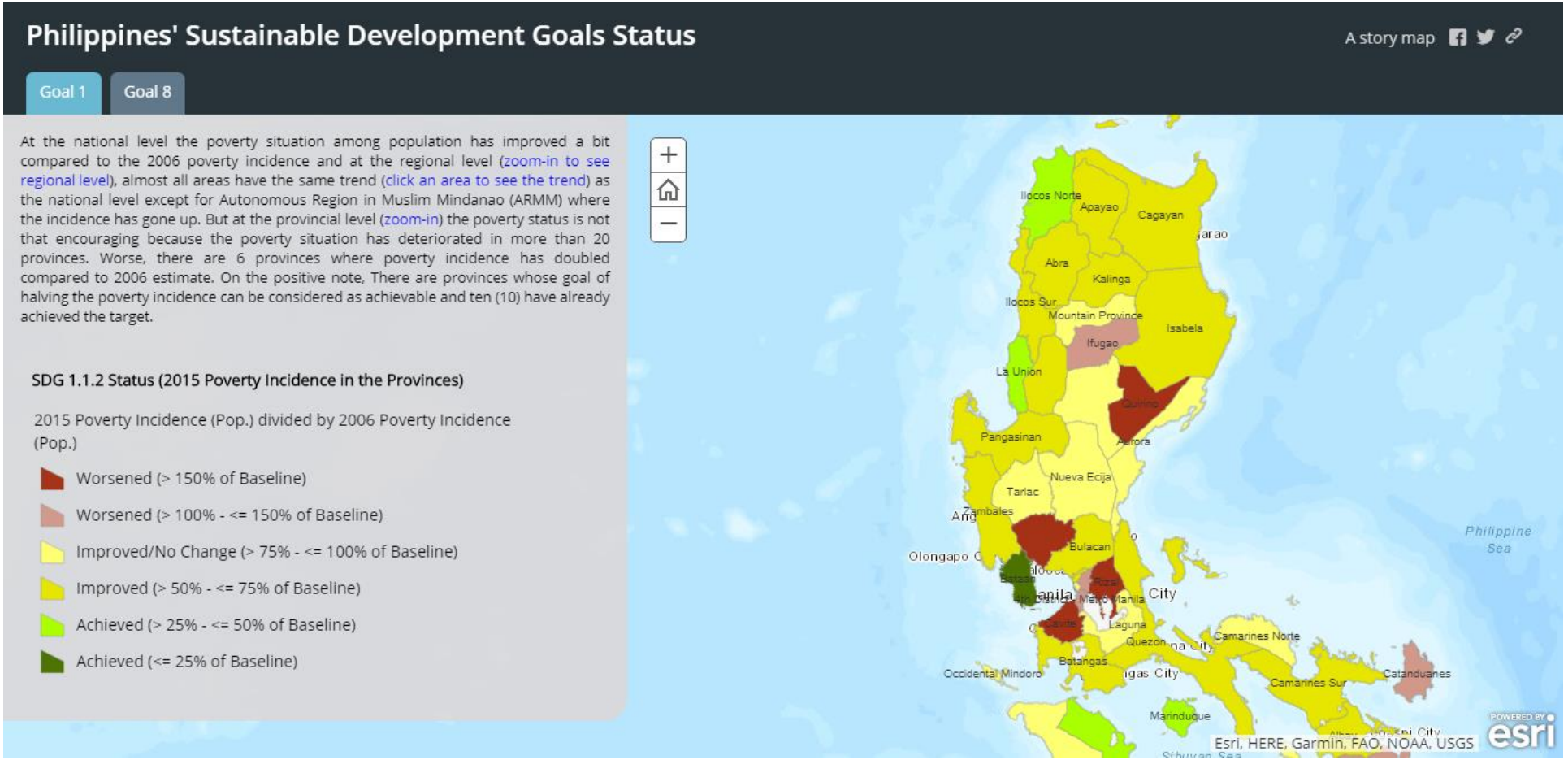
Philippine Data Hub
Available Data

1) Employment at National Level
2) Employment at Regional Level
3) Poverty at the National Level
4) Poverty at the Regional Level
5) Poverty at the Provincial Level
6) Poverty among Population in Basic Sector at Regional Level
7) Poverty among Population in Basic Sector in the Philippines
8) Population at Municipality Level
9) Index Crimes at National Level
10) Index Crimes at Regional Level
11) Net Enrollment Rate at National Level
12) Net Enrollment Rate at Regional Level
13) Gross Domestic Product per capita
14) Gross Regional Domestic Product

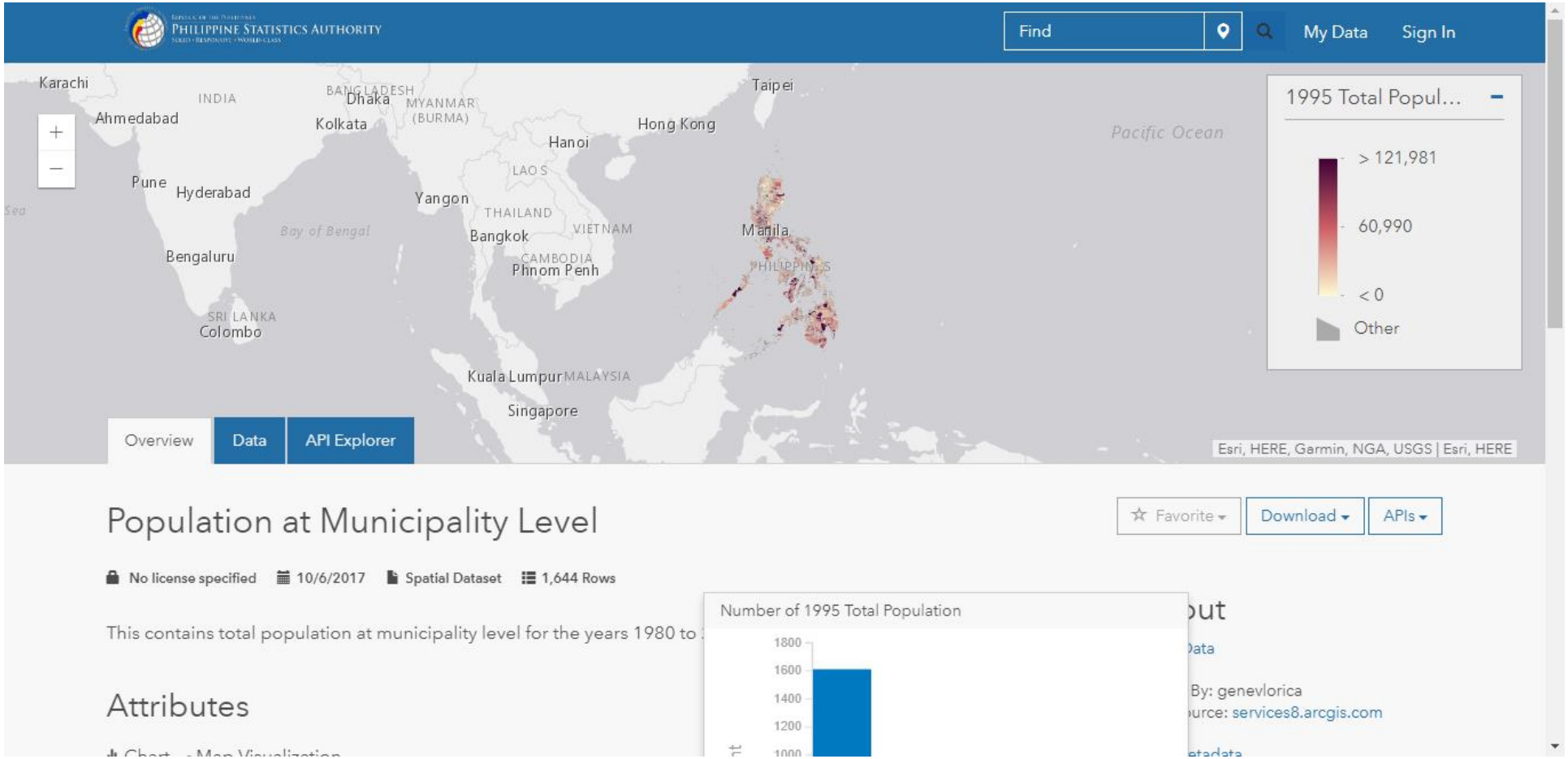
Data Hub


Philippine Sea
Sulu Sea
Phuong Hai Cang
Phuong Loc Tho
Sandakan
Find address or place
Esri, HERE, Garmin, FAO, NOAA, USGS
Powered by Esri
SDG 1.2 Status (2015 Poverty Incidence at Regional Level)
2015 Poverty Incidence (Pop.) divided by 2006 Poverty Incidence (Pop.)
Worsened (> 100% of Baseline)
Improved/No Change (> 75% - 100% of ...
Improved (50% - 75% of Baseline)

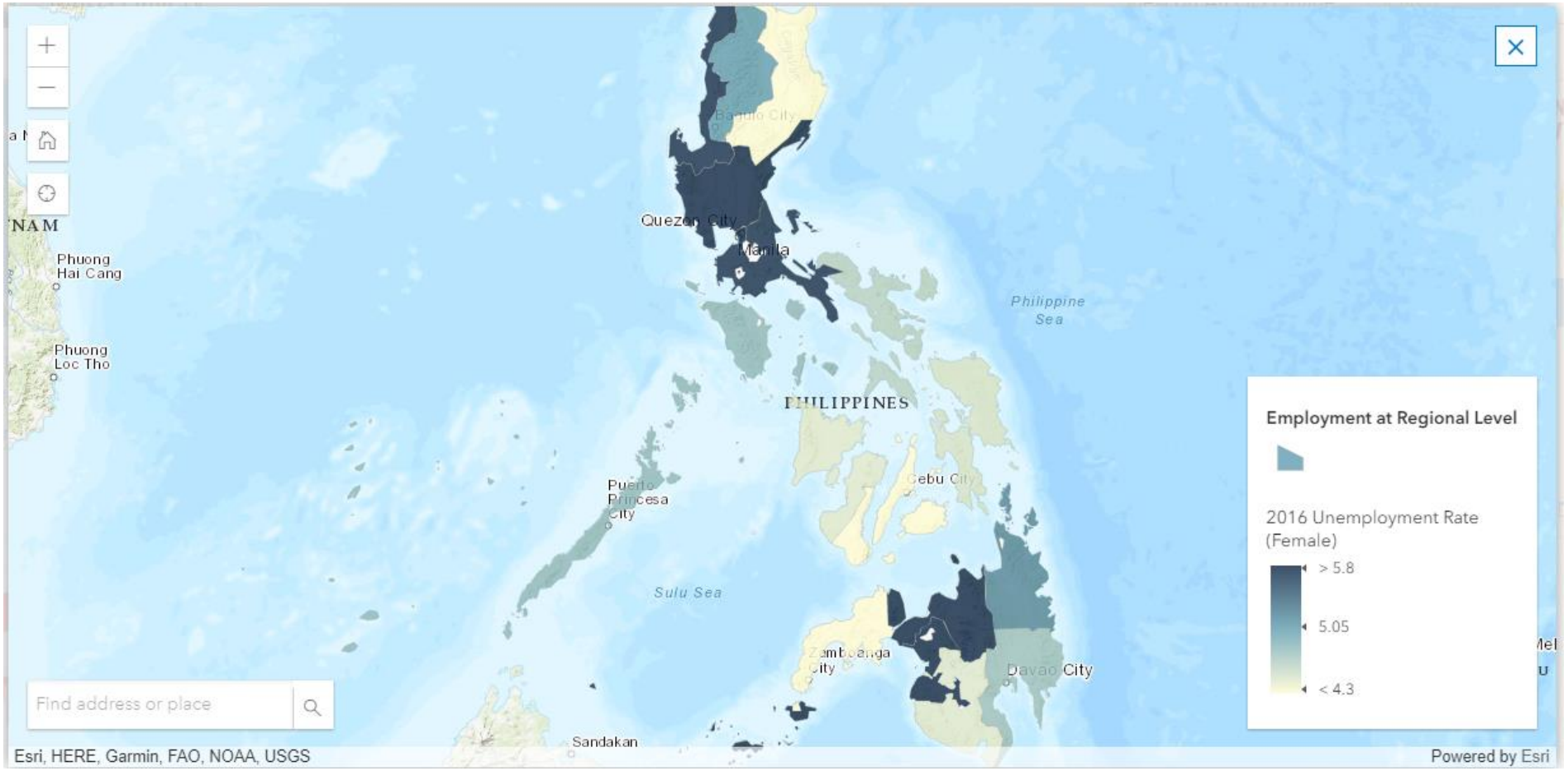
Data Hub


Philippines' Sustainable Development Goals Status
A story map
Goal 1
Goal 8
At the national level the poverty situation among population has improved a bit compared to the 2006 poverty incidence and at the regional level (zoom-in to see regional level), almost all areas have the same trend (click an area to see the trend) as the national level except for Autonomous Region in Muslim Mindanao (ARMM) where the incidence has gone up. But at the provincial level (zoom-in) the poverty status is not that encouraging because the poverty situation has deteriorated in more than 20 provinces. Worse, there are 6 provinces where poverty incidence has doubled compared to 2006 estimate. On the positive note, There are provinces whose goal of halving the poverty incidence can be considered as achievable and ten (10) have already achieved the target.
SDG 1.1.2 Status (2015 Poverty Incidence in the Provinces)
2015 Poverty Incidence (Pop.) divided by 2006 Poverty Incidence (Pop.)
Worsened (> 150% of Baseline)
Worsened (> 100% - <= 150% of Baseline)
Improved/No Change (> 75% - <= 100% of Baseline)
Improved (> 50% - <= 75% of Baseline)
Achieved (> 25% - <= 50% of Baseline)
Achieved (<= 25% of Baseline)
Ilocos Norte
Apayao
Cagayan
Abra
Kalinga
Ilocos Sur
Mountain Province
Isabela
Ifugao
La Union
Pangasinan
Aurora
Nueva Ecija
Tarlac
Zambales
Bulacan
Olongapo
Rizal
City
Laguna
Quezon
Camarines Norte
Batangas
Occidental Mindoro
Camarines Sur
Catanduanes
Marinduque
Philippine Sea
Esri, HERE, Garmin, FAO, NOAA, USGS
POWERED BY esri

Data Hub


Philippine Statistics Authority
Find
My Data
Sign In
Karachi
INDIA
Ahmedabad
BANGLADESH
Dhaka
MYANMAR (BURMA)
Kolkata
Hong Kong
Taipei
Hanoi
Pacific Ocean
LAOS
Pune
Hyderabad
Yangon
THAILAND
Bay of Bengal
Bangkok
VIETNAM
Manila
Bengaluru
CAMBODIA
Phnom Penh
PHILIPPINES
SRI LANKA
Colombo
Kuala Lumpur
MALAYSIA
Singapore
1995 Total Popul...
> 121,981
60,990
< 0
Other
Overview
Data
API Explorer
Esri, HERE, Garmin, NGA, USGS | Esri, HERE
Population at Municipality Level
Favorite
Download
APIs
No license specified
10/6/2017
Spatial Dataset
1,644 Rows
This contains total population at municipality level for the years 1980 to
Number of 1995 Total Population
1800
1600
1400
1200
Attributes

Data Hub


Quezon City
Manila
Philippine Sea
PHILIPPINES
Phuong Hai Cang
Phuong Loc Tho
Puerto Princesa City
Cebu City
Sulu Sea
Davao City
Sandakan
Find address or place
Esri, HERE, Garmin, FAO, NOAA, USGS
Powered by Esri
Employment at Regional Level
2016 Unemployment Rate (Female)
> 5.8
5.05
< 4.3

Thank You!

http://www.psa.gov.ph

/PhilStatAuthority

@PSAgovph