REPUBLIC OF THE PHILIPPINES
OFFICE OF THE PRESIDENT
METROPOLITAN MANILA DEVELOPMENT AUTHORITY
(Pangasiwaan Sa Pagpapaunlad Ng Kalakhang Maynila)
ISO 9001: 2015 CERTIFIED

BAGONG PILIPINAS

METRO MANILA COUNCIL
MMDA Resolution No. 25-04
Series of 2025

A RESOLUTION ESTABLISHING THE NATIONAL CAPITAL REGION GIS OPEN DATA POLICY FOR THE USE OF GEOGRAPHIC INFORMATION SYSTEMS (GIS) FOR THE METROPOLITAN MANILA DEVELOPMENT AUTHORITY (MMDA), THE 17 METRO MANILA LOCAL GOVERNMENT UNITS (LGUs), AND THE REGIONAL LINE AGENCIES (RLAs)

WHEREAS, Republic Act No. 7924 mandates the Metropolitan Manila Development Authority (MMDA) to provide services of metro-wide scope, including development and urban planning, transport and traffic management, solid waste disposal and management, flood control, land use or spatial planning, and public safety, among others;

WHEREAS, Section 176 of Republic Act No. 8923, otherwise known as the Intellectual Property Code of the Philippines, provides that works of the government are not protected by copyright, and that use thereof does not require prior approval of the corresponding government agency provided that it is not for profit;

WHEREAS, Section 11 of Republic Act No. 10173, otherwise known as the Data Privacy Act of 2012, provides guidelines for the processing of data for public disclosure adhering to the principles of transparency, legitimate purpose and proportionality;

WHEREAS, Section 24 of Republic Act No. 10651, otherwise known as the 2015 General Appropriations Act (GAA), mandates that departments, bureaus, and offices of the National Government, including Constitutional Offices enjoying fiscal autonomy, State Universities and Colleges (SUCs), and Government-owned and Controlled Corporations (GOCCs), adopt a policy of openness for all datasets created, collected, processed, disseminated, or disposed through the use of public funds;

WHEREAS, Joint Memorandum Circular No. 2015-01 issued on May 18, 2015, by the Open Data Philippines Task Force provides guidelines for the implementation of the Open Government Data General Provision in the 2015 GAA, emphasizing the importance of making government data publicly available, machine-readable, and released with open licenses;

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WHEREAS, Executive Order No. 2, Series of 2016, also known as the Freedom of Information (FOI) Order, mandates full public disclosure of all government records involving public interest and affirms the right of the people to information on matters of public concern, subject to reasonable conditions and certain exceptions;

WHEREAS, open data policies enhance transparency, accountability, and public participation by making government data accessible to the public;

WHEREAS, Geographic Information Systems (GIS) provide critical tools for urban planning, disaster risk management, environmental monitoring, and public service delivery, among others;

WHEREAS, the use of open GIS data can improve governance by providing citizens and stakeholders with the information needed to make informed decisions, foster innovation, and drive economic growth;

WHEREAS, making GIS data openly available aligns with the principles of data-driven governance and supports the constitutional right of the people to information on matters of public concern;

WHEREAS, open GIS data can enhance public engagement, enabling citizens, civil society organizations, and the private sector to collaborate with the government to address urban challenges and improve service delivery;

WHEREAS, an open data policy for GIS will contribute to the overall objective of promoting sustainable development and resilience in Metropolitan Manila;

NOW, THEREFORE, be it resolved, as it is hereby resolved by the Metropolitan Manila Council, that:

SECTION 1. ***Title.*** —
This resolution shall be known as the "National Capital Region GIS Open Data Policy."

SECTION 2. ***Definitions of Terms.*** —

(a) **Agency Data Inventories (ADI).** — This refers to the comprehensive listing of all government data that an agency currently holds. This is an aggregate list of all datasets, which contains the title, description and file type of a dataset.

(b) **Dataset**. — An organized collection of data. The most basic representation of a dataset is data elements presented in tabular form. A dataset may also present information in a variety of non-tabular formats, such as XML files, geospatial data files, or image files.

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(c) **Open Data.** — Data that can be freely used, reused, and redistributed by anyone, subject only to the requirement of approval of the publishing agency in accordance with Sec. 176 of Republic Act No. 8293 or the Intellectual Property Code of the Philippines.

(d) **Metadata.** — This refers to contextual data or information about a piece of dataset or information. This contains details such as title, description, frequency of update, date last updated, file format, file size, geographical coverage, and other details that describe a particular dataset or piece of information.

SECTION 3. *Policy Statement.* —

(a) Article 3, Section 7 of the 1987 Philippine Constitution states that "The right of the people to information on matters of public concern shall be recognized. Access to official records, and to documents and papers pertaining to official acts, transactions, or decisions, as well as to government research data used as basis for policy development, shall be afforded the citizen, subject to such limitations as may be provided by law";

(b) The MMDA, Metro Manila LGUs, and Regional Line Agencies (RLAs) shall adopt an open data policy to cover the use, distribution, and accessibility of geospatial information that is created, collected, processed, disseminated, or disposed through the use of public funds, subject to applicable laws and individual privacy, confidentiality, national security, or other legally mandated restrictions. This open data policy shall include the following:

(i) Releasing high priority publicly disclosable geospatial data proactively, making it freely available in open formats with declared restrictions on use or reuse, and fully accessible to the broadest range of users and uses;

(ii) Encouraging optimal use of data by maintaining descriptors that define the published data, and by keeping datasets as current and consistent as possible;

(iii) Establishing and maintaining an open data web portal that provides a central location for published data;

(iv) Minimizing limitations on disclosure of public information while appropriately safeguarding protected and sensitive information; and

(v) Encouraging innovative use of Metro Manila's publishable data by public and other agencies and partners.

(vi) Implementing freedom of information within government agencies in alignment with the United Nations Sustainable Development Goal 16, which focuses on 'Peace, Justice, and Strong Institutions.

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SECTION 4. ***Scope and Coverage.*** —
This policy covers all GIS datasets produced by the MMDA, Metro Manila LGUs, and RLAs. This includes all government-owned data that does not contain personal information and does not pose any threat to national security, including but not limited to, datasets related to urban planning, transportation, disaster risk management, environmental monitoring, public health, and public safety.

SECTION 5. Principles Of Open Data. —
All GIS datasets shall adhere to the following principles:

(a) **Publicly Available and Accessible**. — Datasets shall be made available on the Internet through the MMDA and respective LGU and RLA websites, and on a centralized open data portal maintained by the MMDA.

(b) **Machine-Readable Formats**. — Datasets shall be provided in open, machine-readable formats such as .TXT, .CSV, .XLS, and suitable GIS formats such as .SHP, and, JSON to ensure ease of use and interoperability.

(c) **Open Licensing**. — Datasets shall be released under open licenses that allow free use, reuse, and redistribution, subject only to proper attribution to the publishing agency.

(d) **Timely and Updated**. — Datasets shall be updated regularly to ensure their relevance and accuracy.

(e) Described. — Datasets must be adequately described in detail in order for users to fully understand the accessed data.

(f) **Managed Post-Release.** — There should be a contact person in the respective agency who is responsible for assisting data users and handling feedback regarding the concerned data.

(g) **Metadata.** — Each dataset shall be accompanied by comprehensive metadata that provides contextual information, including the title, description, frequency of update, date last updated, file format, file size, geographical coverage, and other details that prescribe a particular dataset or piece of information.

SECTION 6: Implementation Mechanisms. —

(a) **Agency Data Inventories**: The MMDA, Metro Manila LGUs and RLAs shall maintain an inventory of all GIS datasets and submit this inventory to the centralized repository managed by the MMDA. The inventory shall contain the title, description, and file type of

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a dataset. The MMDA, Metro Manila LGUs and RLAs are enjoined to submit their datasets to the repository.

(b) **Open Data Portal:** The MMDA shall establish a National Capital Region GIS Open Data Portal, serving as access to the central repository for GIS datasets across agencies. The portal must also be interoperable across LGUs, RLAs and other stakeholders, hence the Authority shall enter into formal data-sharing agreements with partner agencies, in accordance with legal and privacy regulations. Further, the portal will include a portion where the public may make requests on data. When such requests are made, both the MMDA and the LGU concerned will be notified through the same portal.

(c) **Regular Data Updates:** The MMDA, Metro Manila LGUs and RLAs must update their datasets in the repository on a quarterly basis. This ensures that all data within the repository are up-to-date and accurate.

(d) **Data Governance and Management**. — The MMDA, Metro Manila LGUs and RLAs shall designate a Data Protection Officer (DPO) and establish a Data Governance Body to oversee the implementation of the open data policy. The DPO should possess specialized knowledge and demonstrate reliability necessary for the performance of his or her duties and responsibilities. As such, the DPO should have expertise in relevant privacy or data protection policies and practices.

(e) **Capacity Building**. — The MMDA, Metro Manila LGUs and RLAs shall engage in capacity-building activities, including training programs and workshops, to enhance the skills needed to manage and publish open GIS data.

(f) **Public Engagement**. — The MMDA, Metro Manila LGUs and RLAs shall engage with civil society organizations, the private sector, and other stakeholders to promote the use of open GIS data and gather feedback for continuous improvement.

(g) **Monitoring and Evaluation**. — The MMDA, Metro Manila LGUs and RLAs shall regularly monitor and evaluate the implementation of the open data policy and publish annual reports on progress and challenges.

SECTION 7. **Agency Open Data Team.** —

(a) **Formation**. — Each respective Metro Manila LGU, RLA and the MMDA shall constitute an ad-hoc team/committee to handle the implementation of the Open Data efforts.

(b) **Responsibilities**. — This team shall:

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(i) Provide training and education to personnel, as well as the public community regarding the GIS Open Data Policy;

(ii) Establish partnerships and collaborations with other public agencies and private organizations for data sharing and related GIS Open Data efforts;

(iii) Develop and maintain Information Systems, such as ADIs;

(iv) Identify high-priority datasets for publishing on their sites and the open data site of the Philippine government (data.gov.ph);

(v) Monitor compliance with the GIS Open Data Policy; and

(vi) Provide research opportunities with public and private entities.

(c) **Open Data Champion**. — The head of the Open Data Team shall be designated as the Open Data Champion, responsible for setting the strategic direction of the initiative, identifying key datasets for release, and making executive decisions regarding the implementation of the Open Data policy.

SECTION 8. Funding. —
The implementation of this policy shall be funded through the respective budgets of the MMDA, and the Metro Manila LGUs and RLAs.

This Resolution shall be effective immediately after its publication in two (2) newspapers of general circulation and submission of a copy thereof with the Office of the National Administrative Register, U.P. Law Center.

APPROVED and **ADOPTED** this 17th day of February, 2025, in Pasig City, Metro Manila, Philippines.

ATTY. ROMANDO S. ARTES, CPA
Chairman

BENJAMIN S. ABALOS, SR.
Mayor, Mandaluyong City

IMELDA T. AGUILAR
Mayor, Las Piñas City

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Mayor, Taguig City

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Mayor, Caloocan City

ERIC L. OLIVAREZ
Mayor, Parañaque City

MARIA SHEILAH LACUNA-PANGAN
Mayor, Manila City

MIGUEL F. PONCE III
Mayor, Municipality of Pateros

IMELDA CALIXTO-RUBIANO
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JEANNIE N. SANDOVAL
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VICTOR MA[redacted] REGIS N. SOTTO
Mayor, Pasig City

MARCELINO R. TEODORO
Mayor, Marikina City

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Mayor, Navotas City

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FRANCISCO JAVIER M. ZAMORA
Mayor, San Juan City
President, Metro Manila Council

MONIQUE YAZMIN MARIA Q. LAGDAMEO
President, MM Vice Mayors' League

CAROLYN C. CUNANAN
President, MM Councilors' League

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ANNEX A: AGENCY DATA INVENTORY

The Agency Data Inventory (ADI) is the comprehensive listing of all government datasets that an agency currently holds. It is recommended that the agency maintains and updates the inventory regularly. Below are the fields required to fill out the ADI. It should be accomplished using the .xls or .csv template provided, using open data standards and saved as .xls or .csv for easier processing.

Title Header	Description	Example
Agency Name	Name of Department/Agency/Office	Philippine Statistics Authority
Title or Full Data Name	Title of the data item	Population and Annual Growth Rates for The Philippines and Its Regions, Provinces, and Highly Urbanized Cities
Description of Data	Description of the data item	Population of the Philippines based on the 1990, 2000, and 2010 Censuses
Online Publication	Yes/No	Yes
File Format	CSV, XLS, SHP, KML, TXT, PDF, DOC, etc.	CSV
Location or Download URL	Location of published data or URL for direct download	http://psa.gov.ph/opendata/population_and_growth_rate.xls
Disclosive	For unpublished items, whether it contains information that cannot be disclosed or it cannot be disclosed because of fees and other restrictions	-
Original Data Owner	Agency or office that originally owns the data. All processed data are owned by the agency that processed the data	National Statistics Office
Data Maintainer	Unit responsible for the data	PSA-MIS Division
Data Released	The date when the data item was initially released (YYYY-MM-DD)	2010-05-31
Frequency of Update	Annually, Biannually, Quarterly, Monthly	Annually

ANNEX B: METADATA TEMPLATE

Metadata	Your Input Here	Example	Description
Title		Population and Annual Growth Rates	Human-readable name of the asset. Allows intuitive labeling of the dataset for search, sharing, and linking. Should be in plain English and include sufficient detail to facilitate search and discovery.

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Description		This dataset contains the total population and population growth rates from 1990 to 2010. This covers the regions, provinces, and highly urbanized cities. This is based on the 1990, 2000, and 2010 Censuses.	Human-readable description. Additional information describing the data. Must have sufficient detail to enable the user to quickly understand whether the asset is of interest.
Tags		"population", "population growth", "growth rate", "highly urbanized cities", "urban cities"	Keywords describing tags. See what labels the dataset belongs to. Tags also allow for browsing between similarly tagged datasets in addition to enabling better discoverability through tag search and faceting by tags.
Last Update		2010-12-31	Most recent date on which the dataset was changed, updated, or modified. Use "01" if the day is unknown. If the file is brand-new, enter the issue date. Dates should be formatted as YYYY-MM-DD.
Frequency of Update		Annually	Frequency with which the dataset is published. Annually, Biannually, Quarterly, Monthly.
Category	Please leave blank		General categories to index all datasets in data.gov.ph.
Author		Philippine Statistics Authority	The publishing agency. Spell out the acronym of the agency. For attached agencies, affix the entire name of the mother agency. Example: Department of Education; Department of Science and Technology; Information Communications Technology Office.
Author Email		info@psa.gov.ph	Provide the corporate email of the agency.
Maintainer		Philippine Statistics Authority-Management Information System Division	Unit/division in the agency that could take the queries on the dataset or form the queries to the appropriate unit/division that produced the dataset. This can be the public information or communications unit or, directly, the statistics/data unit. Example: Public Affairs Division, External Communications Unit, Corporate Planning Statistics Division.
Maintainer Email		info@psa.gov.ph	Provide either the corporate email address of this unit/division or any personnel in this unit.

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Maintainer Number		(+632) 400-1000 loc 1000	Please provide the corporate contact number of this unit/division or any personnel in this unit.
Unique Identifier	Please leave blank		This is the unique identifier for the dataset within the agency's internal catalog/database. This allows third parties to maintain a consistent record for datasets even if the title or URLs are updated. However, each identifier must be unique across the agency's catalog and remain fixed.
Public Access Level		Public	The JSON Open Data Standard allows for three possible entries: Public, Restricted, and Private. Data.gov.ph will only accept datasets agencies are willing to make Public.
Data Dictionary			URL of a page on the agency's website containing the definition of terms. If no such page/link is available, leave this blank. Note: Documentation that is not specifically a data dictionary belongs in "Related Documents".
Download URL		http://psa.gov.ph/opendata/population_and_growth_rate.xls	URL providing direct access to the downloadable distribution of a dataset. For datasets that will be housed in the agency's site, provide the URL for direct download. Leave this blank for datasets that will be housed in data.gov.ph.
Endpoint			If the dataset is available as a web service such as an API, provide some remarks. Leave this blank if not applicable. Note: PHILGEPS, for example, has established an API which allows users to pull data from the PHILGEPS database without having to download the entire file.
Format		CSV	Actual file format. This must be the exact file available at Download URL using file extensions. CSV, XLS, XLSX, TSV, JSON, XML. If the download file is a ZIP containing a CSV, the entry should be "ZIP".
License	Please leave blank		Instant view of whether the data is available under an open license or not. This makes it clear to users whether they have the rights to use, change, and re-distribute the data. Common licenses used are "Open Data Commons Attribution License 1.0 (ODC-BY 1.0)" and "Creative Commons Attribution 3.0 Philippines (CC-BY 3.0 Philippines)".
Spatial			Dataset contains some form of geographic referencing, e.g. (a) data referenced to geographic locations (regions, provinces, municipalities/cities, barangays); or (b) coordinate systems (latitude/longitude).
Temporal Date		1990-05-01, 2010-05-01	The range of temporal applicability of a dataset (i.e., a start and end date of applicability for the data). This

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			field should contain an interval of time defined by start and end dates. Dates should be formatted as pairs of (start date, end date) in the format YYYY-MM-DD.
Release Date		2010-05-01	The date the dataset was officially issued (not necessarily on data.gov.ph or authorized to be released by your agency). Dates should be formatted as YYYY-MM-DD.
Language		English	Language of the dataset.
Granularity		National	Level of granularity of dataset. Lowest level of data aggregation. Examples: National, Regional, Provincial, Municipal, Barangay.
System of Records			The dataset may be part of a collection/catalogue of data. Provide the URL to the entire catalogue so users can see what other datasets might be available for use. If it is not part of any collection/catalogue, leave blank.
Data Quality		TRUE	If this dataset meets the agency's Information Quality Guidelines, specify "True". Otherwise, "False". Data.gov.ph will only accept datasets agencies deem to pass their internal standards on data quality.
Related Documents			Related documents such as technical information about the dataset, definition of terms, developer documentation, etc. Send separate file(s) containing the definition of terms in the dataset.
Size		49 KB	Size of the downloadable dataset.
Source		http://psa.gov.ph	Dataset homepage or alternative landing page used to redirect users to a contextual, agency-hosted homepage for the dataset or API. Example: www.agency.gov.ph/downloads; www.agency.gov.ph/opendata.
RSS Feed	Please leave blank		URL for an RSS feed that provides access to the dataset. Leave blank if not applicable.

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