

Expert Consultation and Meeting on Enhancing Geospatial Information Management Arrangements and Accelerating Implementation of the Sustainable Development Goals, and the Sub-regional Workshop on the United Nations Integrated Geospatial Information Framework (UN-IGIF) for Central America and neighboring Latin American countries

Implementing geospatial strategies: challenges and opportunities

Panama City, Panama
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Sub-regional Workshop on UN-IGIF for the Central America and neighbouring Latin American countries

Panama

IPDE



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Proposed Vision, Mission and Objectives for the National Action Plan of Panama

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Vision for the National Action Plan



To become a digital, resilient, and sustainable country that manages territorial and geospatial information as a strategic public asset, driving innovation, transparency, and evidence-based decision-making for Panama's integral development.



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Mision for the National Action Plan



To consolidate, through the Panamanian Spatial Data Infrastructure (IPDE), a national system of interoperable, inclusive, and sustainable territorial and geospatial information. This system brings together public institutions, academia, the private sector, and citizens to strengthen territorial governance, risk management, economic competitiveness, and social well-being.



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Objectives for the National Action Plan



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Objective 1 – Coordination & Governance

Objective

Position IPDE as the coordinating axis of the National Geospatial Information System with a clear functional, regulatory, and budgetary structure.

Purpose

- Strengthen national governance for integrated geospatial information management.

Key Points

- Establish an effective governance model for IPDE.
- Enable technical advisory among stakeholders for efficient decision-making.
- Ensure seamless data exchange between government geospatial entities.
- Maintain an adaptive action plan through annual governance reviews.



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Objective 2 – National Framework

Objective

Develop a coordinated and sustainable national framework for generating, integrating, managing, and using geospatial information by 2035.

Purpose

- Guarantee collaborative and results-oriented management to support territorial planning and sustainable development.

Key Points

- Implement a National Geospatial Data Policy.
- Create a National Geospatial Information Strategy aligned with UN-IGIF.
- Design a long-term National Geospatial Plan integrated with development goals.



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Objective 3 – Technological Infrastructure

Objective

Consolidate a secure, interoperable national infrastructure for accessing, managing, and publishing geospatial data.

Purpose

- Provide robust technological capabilities for data sharing and visualization.

Key Points

- Launch a National Geoportal with institutional data catalogs.
- Offer interoperable services (WMS, WFS, APIs) following international standards.
- Implement a strong system for data quality control and monitoring.



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Objective 4 – Innovation & Capacity Building

Objective

Promote geospatial innovation, science, and technology to drive economic development and informed decision-making.

Purpose

- Leverage advanced technologies and training to boost competitiveness and productivity.

Key Points

- Develop a national training and certification program in GIS, AI, Drones, and Digital twins.
- Execute pilot projects in areas like multi-purpose cadaster, environmental monitoring, and climate resilience.
- Build partnerships with universities, research centers, and private sector for applied innovation.



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Objective 5 – Participation & Trust

Objective

Achieve active participation, communication, and trust among public, private, academic, and civil society stakeholders.

Purpose

- Promote an open, collaborative, and transparent geospatial ecosystem.

Key Points

- Increase interoperability and open access to geospatial data across sectors.
- Strengthen stakeholder engagement and trust in data governance processes.
- Foster cooperation for innovative, collaborative projects using geospatial information.



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Closing / Call to Action



Let's build together an open, collaborative, and innovative geospatial ecosystem for Panama, aligned with the Sustainable Development Goals and the UN Integrated Geospatial Information Framework.



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