

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 neighbouring Latin American countries

Implementing geospatial strategies: challenges and opportunities

**Panama City, Panama
1-5 December 2025**



Enhancing Geospatial Information Management arrangements Accelerating the
Implementation of the SDGs
Sub-regional Workshop on UN-IGIF for the Central America and neighbouring Latin American countries

COLOMBIA

DANE



DANE



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American countries**

Where is your country today in enhancing the management and use of geospatial information?



ICDE consolidated as the national geospatial information ecosystem

Formalized through Resolution 899/2023.



PEIGN 2024–2027 implementation aligned with the IGIF

Guiding national geospatial governance and integration efforts.



Progress in interoperability between statistical and geospatial information

Using common geographies and standardized structures.



Development of key platforms and geoservices

- ICDE
- GovTech Innovation Lab
- Geostatistical Data Center



Updated national geospatial frameworks

Geospatial Reference Framework and National Geospatial Information Policy.



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Where does your country aim to be in the next five years?

-  **Consolidate the ICDE as the national administrator of geospatial data**
-  **Fully implement the National Geospatial Information Policy**
-  **Strengthen inter-institutional and territorial coordination**
-  **Establish a robust, solid, and sustainable governance model**
-  **Ensure a strong and coherent legal framework for geospatial management**
-  **Develop a long-term sustainable financial model for the ICDE**
-  **Achieve a fully interoperable national infrastructure with integrated master data**
-  **Strengthen technical capacities across all levels of government**
To enable the use of new technologies and emerging data sources.



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What do you see as the main challenges in reaching this “ideal” situation within the next five years?

-  The ICDE requires a stronger legal framework, beyond what is established by a resolution.
-  Lack of long-term financial sustainability
-  Technical and technological gaps across sectors and levels of government
-  Outdated or heterogeneous datasets
-  Need to harmonize concepts between IDEC, ICDE, and related policies
-  Insufficient integration of territorial entities and communities



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What potential opportunities could help address some or all of these challenges?



Progress in legal and regulatory analysis

To strengthen ICDE governance, the Governance Framework, and the formulation of the Nat. Geospatial Data Policy.



Advancement of national initiatives

Including the PND, SAT, and the Multipurpose Cadastre.



International cooperation

With UN-GGIM, IDB, World Bank, ECLAC, and other partners.



Implementation of the ICDE business model

And securing long-term (10-year) financing.



Expansion of the Geo-Statistical Data Center



Territorial strengthening

Through Territorial Nodes, sectoral nodes, Regional IDES, and Strategic Information Systems.



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How familiar are you with UN-GGIM, the UN-GGKIC, the IGIF, and the CAP?



Active participation

In the annual sessions of UN-GGIM.



Use of the IGIF as the main framework

Guiding the PEIGN and national geospatial planning.



Leadership roles within UN-GGIM Americas

- Coordinator of the Working Group on Statistical and Geospatial Information Integration (GT-IIEG)
- Representative for South America in UN-GGIM Americas



Recent membership in the UN-GGIM High-Level Group

Strengthening Colombia's engagement and strategic contributions.



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What kind of support would you like to receive from UN-GGIM, UN-GGKIC, or other partners?

Technical assistance

To strengthen the governance model of the ICDE.

Support to harmonize standards and definitions: *At both regional and national levels.*

Support for the formulation of the National Geospatial Information Policy

Guidance for developing the ICDE financial model

Training and capacity building: *For both territorial and sectoral levels.*

International exchange on geospatial AI and innovation

Development of regional pilots and high-impact use cases

Access to methodologies: *To estimate the public value of geospatial data.*

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