



The Importance of Statistical-Geospatial Integration

Strengthening Statistical and Geospatial Integration

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General context

The integration of statistical and geospatial information is important for:

1

Local, sub-national, national regional and global decision-making processes

2

Measurement and monitoring of SDG targets and indicators

3

Support the exchange of data between institutions

4

Generate new knowledge and relationships between data

5

Promote investment and capacity development

6

Explore new data sources



Global Statistical Geospatial Framework

Five general principles in the integration of statistical and geospatial information.

● **Statistics with accessible and usable geospatial data.**

Statistical discoveries; by promoting services for visualization and analysis.

● **Statistical and geospatial interoperability**

Increase the normalization and interpretation of the data for better efficiency and simplification.

● **Common geographical for dissemination of statistics**

Determine definitions of geographic regions and data aggregation/disaggregation.

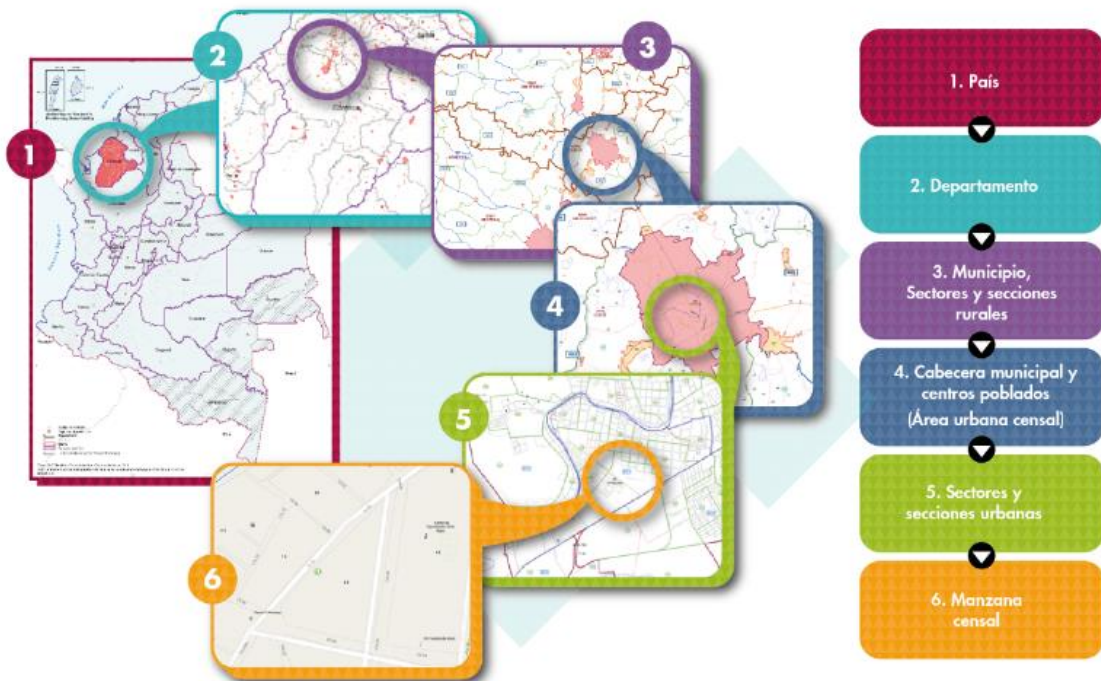
● **Geocoded unit record data**

Link each individual or statistical record to a geographic reference.

● **Use of fundamental geospatial infrastructure and geocoding**

The creation of an infrastructure; that allows statistical and geospatial interoperability.

The National Geostatistical Framework DANE - Colombia



The NGF allows the statistical information to be referenced, with the geographical locations associating each statistical data with the space of the terrestrial surface that originates it.

The NGF has been organized in geostatistical areas (Departments, Municipalities, Municipal townships, Population Centers, dispersed rural areas, etc.), identifiable on the ground.

The NGF of that time; has been implemented and updated based on technological developments. It has made it possible to have a spatial frame of reference, with territorial limits and a unified coding for the georeferencing of statistical units.

Colombia:

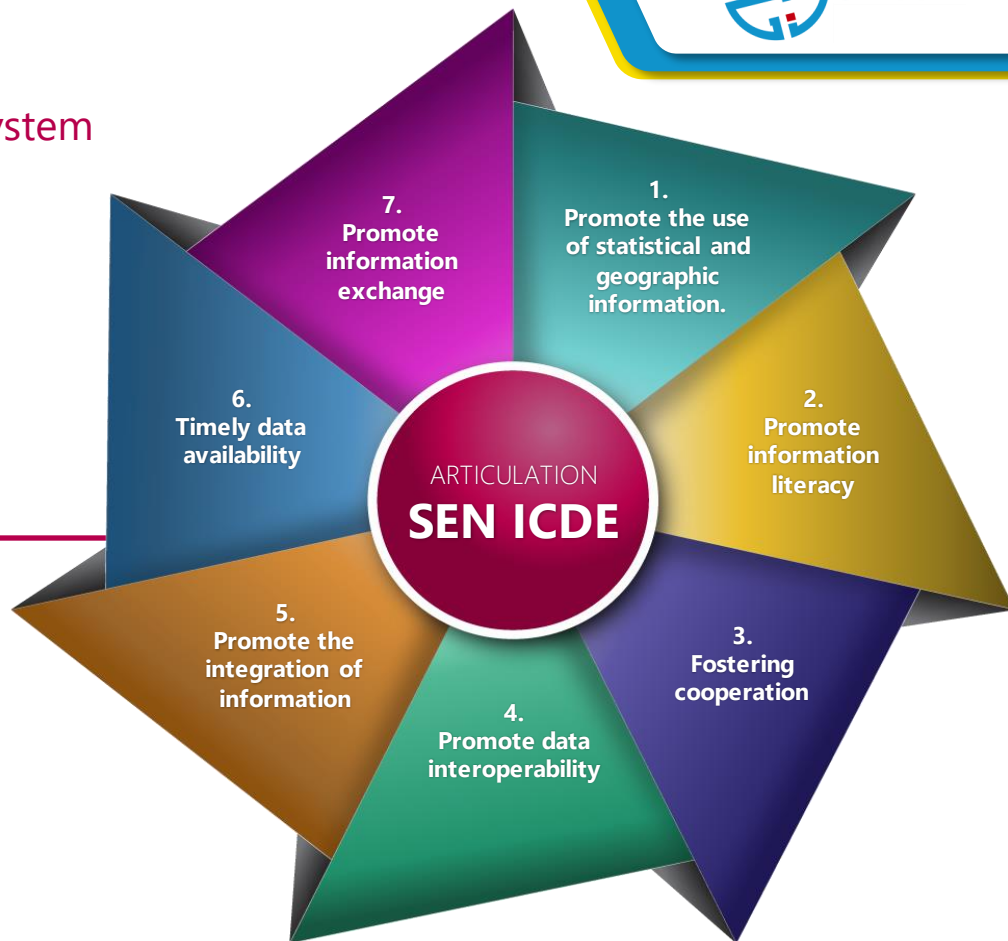
Articulation of the national statistical system and the spatial data infrastructure



Colombian Spatial Data Infrastructure



National Statistical System



New approach to the Colombian Spatial Data Infrastructure



Vision

Promote the formation of the country's **geospatial data ecosystem**, based on information exchange, **intersectoral articulation**, accessibility and use of information.



Strategic tools



Articulation of the National Statistical System



Integrated Geospatial Information Framework -IGIF



Multi-purpose cadastre



Knowledge Management



Strategic ways



Governance



Legal support



Standards



Partnerships

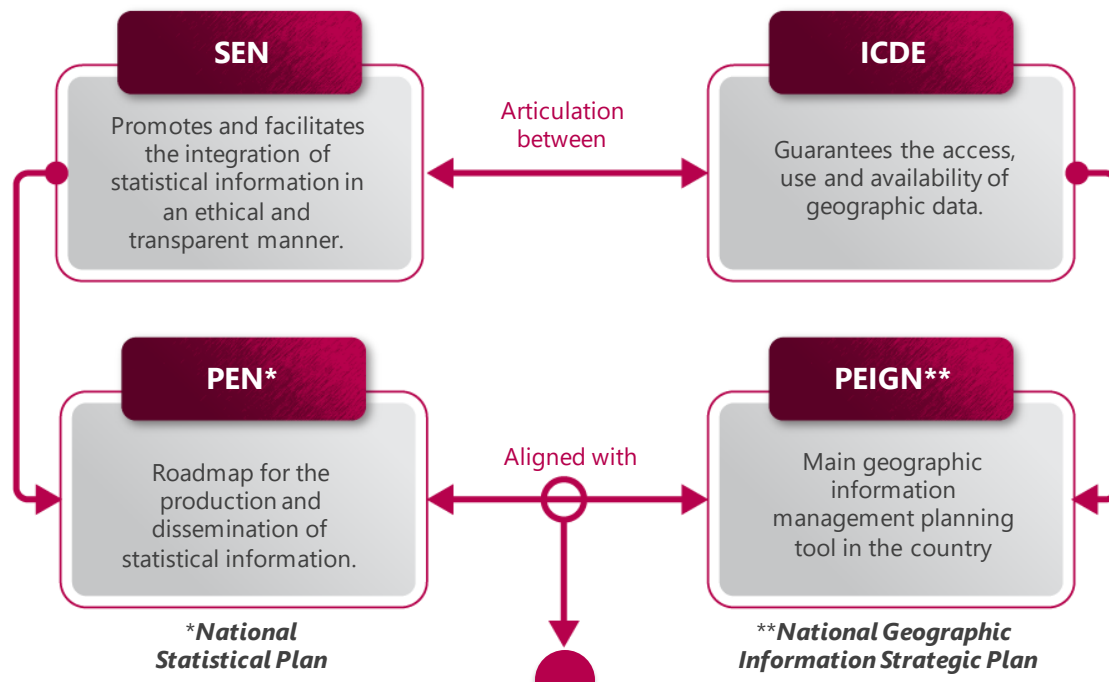


Knowledge Management



Communication

Articulation and institutional arrangements



- Promote the integration of statistical and geospatial information.
- Incorporation of the geospatial dimension in the production of statistical information.
- National management of geospatial information in compliance with the guidelines defined by the UN-GGIM expert groups.

Gracias



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