

DANE: Progress and strides in the Integration of Statistical and Geospatial information for sustainable cities

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Colombia

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www.dane.gov.co



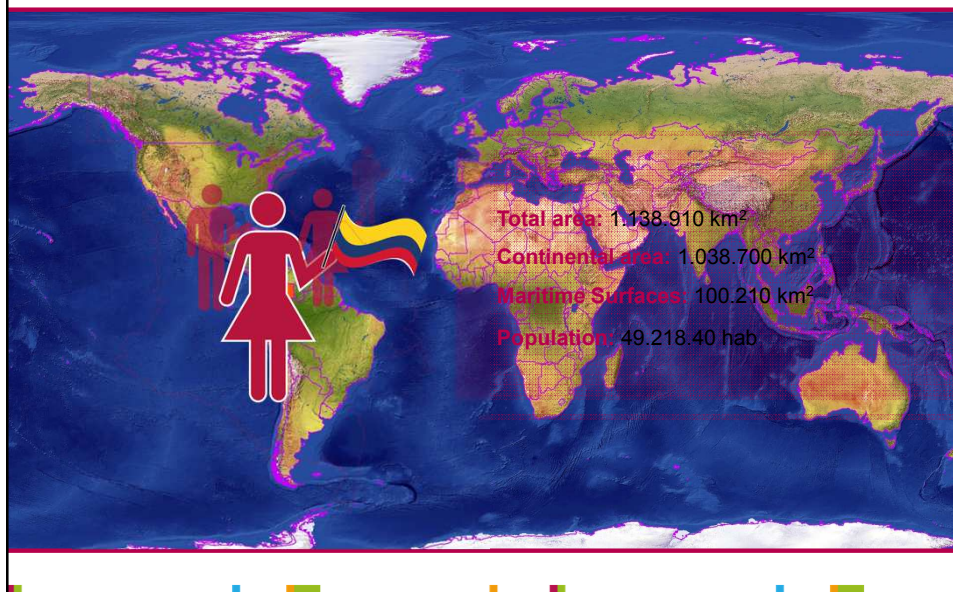
DANE
Para tomar decisiones



Colombia in the world



DANE
Para tomar decisiones



Integration of Statistical and Geospatial Information



Integration of Statistical and Geospatial Information for better decisions making



To support better decision making, it's important to point out that Integration of Statistical and Geospatial Information is only useful, if the data created by it is openly accessible for everyone.

Information is power, but only if people are able to access, understand and apply it

REGIONAL INITIATIVES



Geospatial Framework for the Americas - MEGA

Working Group on Integration of Statistical and Geospatial Information.

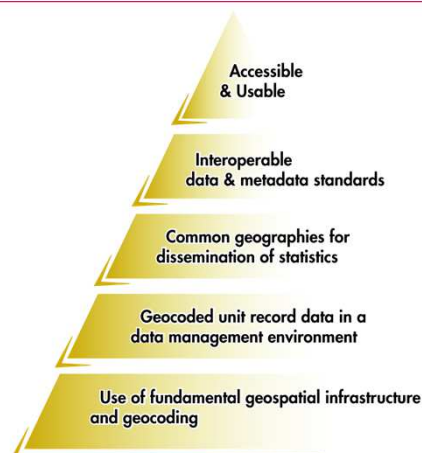
- Since 2015 "UN-GGIM Américas" has been developing the project "Statistical and Geospatial Framework for the Americas" (in Spanish MEGA), which is aligned with the proposal for a Global Statistical Geospatial Framework (GSGF).
- The working group of this project is led and coordinated by Colombia.



REGIONAL INITIATIVES



Geospatial Framework for the Americas -MEGA



MEGA will enable the linking of statistical information of various types, and its corresponding geospatial location, and will improve the accessibility and usability of these geospatially-enabled statistics.

- The data will be openly accessible in a geographical portal.
- SIRGAS as the reference system and geospatial metadata standards are being used.
- The geographies for dissemination are based on political administrative areas.
- National geocodes are used to link each statistical unit to a small geographic area.

REGIONAL INITIATIVES



Geospatial Framework for the Americas -MEGA

First Version:

- Initially, data sets will only include total population, population by gender and housing.
- The geographies are determined by a three level administrative division, for example country, department and municipality.

Second Version:

- Will include new socioeconomic variables (poverty) and will propose to find out how the geographical disaggregation could be improved (NUTS, grids ... ?).



NATIONAL INITIATIVES



The meeting on march 30, 2017 between DANE-NASA-EO4SDG and others

Move fowards Integration of National Statistics and Earth Observations for SDG Monitoring in Colombia

Goal of the meeting:

To identify potential contributions from Geospatial and Earth observation to SDG Monitoring in Colombia



NATIONAL INITIATIVES



The meeting on march 30, 2017 between DANE-NASA-EO4SDG and others



Strengthening of cross-institutional collaboration

- Colombian Data Cube
- Technical discussion to work together and join forces



Development of capacity building

- To develop the capacity to analyze and use radar image.
- To improve the processing of optical images



Goals and Indicators

- 11.3.1 and 11.7.1 (Goal 11, Sustainable Cities and Communities)
- 15.1.1; 15.2.1; 15.3.1 and 15.4.2
- 6.1.1



NATIONAL INITIATIVES

System of consultation and geographic location of schools -SICOLE

Accessibility

- Accessed by portable and desktop devices
- Visualization: indicators, maps, spatial analysis tools

Integration

- Education surveys
- Colombian Institute for the Promotion of Higher Education

Data collection

- Teacher attendance
- School climate
- School infrastructure

- Is the information produced in the country on education useful?
- Is this information useful for decision making at all levels of government?
- Is this information useful for all end users, such as teachers, parents ...?
- How can access to the information be improved?
- How to improve information processing according to the needs of society?

NATIONAL INITIATIVES

System of consultation and geographic location of schools -SICOLE

The screenshot shows the SICOLE web application interface. At the top, there are search bars for 'Busque por colegio, barrio o dirección' and 'Busque la ciudad'. The main area features a map of Colombia with two heatmaps: a red one indicating high student density in the central region and a blue one in the southern region. The interface includes a left sidebar with filters for 'Transporte', 'Si-Mapas', 'Características', 'Eficiencia interna', and 'Recursos'. The 'Características' section is expanded, showing 'Total estudiantes matriculados' and a list of levels: 'Estudiantes matriculados en preescolar', 'Estudiantes matriculados en primaria', 'Estudiantes matriculados en secundaria', and 'Estudiantes matriculados en media'. At the bottom, there are buttons for 'Oficial', 'No oficial', 'Comparar por sector', and 'Nuevo usuario'.

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Thanks you



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