



Integration of Statistical and Geospatial Information in the Americas

UN-GGIM 8 – Integration of Statistical and Geospatial Information Side Event

New York, 31 July, 2018

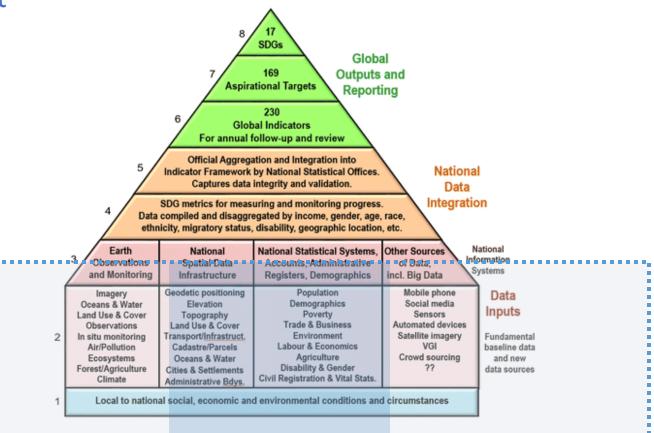




Economic Commission for Latin America and the Caribbean, Statistics Division

Integration of statistical and geospatial information is crucial within the Sustainable development data ecosystem

How are we supporting the relevant process in the region?



Engaging and joining statistical and geospatial information communities through collaborative and integrated road maps

- Resolution 712 adopted at the Thirty-Sixth session of ECLAC , on the regional integration of statistical and geospatial information (2016)
- Resolution 10 (IX) Statistical Conference of the Americas of ECLAC at its Ninth Meeting call to develop joint strategies to advance in the integration of statistical information, geospatial and Earth observation data (2017)
- Resolutions 2, 3 and 5 of the Fourth Meeting of UN-GGIM: Americas regarding the integration of geospatial and statistical information (2017).



Regional Meeting between the Statistics and Geospatial Communities of Latin America and the Caribbean. ECLAC Headquarters, April 2017. In the frame of the sixteenth meeting of the Executive Committee of the Statistical Conference of the Americas

https://cea.cepal.org/9/es/noticias



Presentation and discussion of the substantive issue "Towards the integration of statistical and geospatial information"

Brief seminar on the linking of statistical information with geospatial information. Representatives discuss the requirements in relation to legislation, inter-agency coordination and technical capacity-building to make progress in these areas.

Engaging and joining statistical and geospatial information communities through collaborative and integrated road maps



Source: ECLAC



Fifth Meeting UN-GGIM: Americas Regional workshop on the integration of geospatial and statistical information

06 - 08 de noviembre 2018 Hotel Sheraton María Isabel, Ciudad de México





Bringing global strategies and frameworks closer to the national statistical and geospatial communities

ANNEX I: UN-GGIM Strategic Framework 2018 – 2022

	VISION	Positioning geospatial information to effectively address global challenges									
CONTEXT	MISSION	Operating within agreed policies and institutional arrangements, and as an interconnected global community of practice, provide leadership to ensure that geospatial information and resources are coordinated, maintained, accessible, and able to be leveraged by Member States and society to find sustainable solutions for social, economic and environmental development									
	MANDATED STRATEGIC OBJECTIVES	Provide leadership in setting the agenda for the development of global geospatial information and to promote its use to address key global challenges	Provide a forum for coordination and dialogue with and among Member States and relevant international organizations on enhanced cooperation	Provide a platform for the development of effective strategies to build and strengthen national capacity and capability concerning geospatial information, especially in developing countries	Propose work-plans, frameworks and guidelines to promote common principles, policies, methods, standards and mechanisms for the interoperability and use of geospatial data and services	Make joint decisions and set the direction for the production and use of geospatial information within and across national, regional and global policy frameworks					

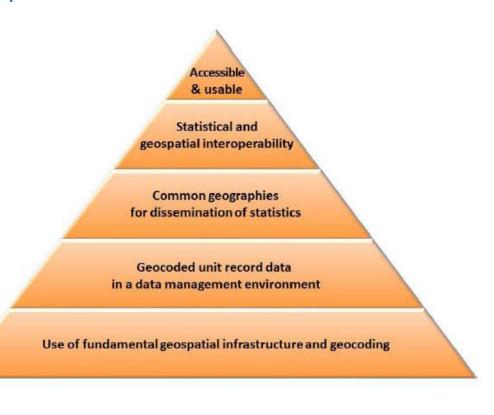
	Transforming our World: The 2030 Agenda for Sustainable Development						
GLOBAL POLICY FRAMEWORK	Sendai Framework for Disaster Risk Reduction 2015-	SIDS Accelerated Modalities of Action (SAMOA)	Addis Ababa Action Agenda	Paris Agreement on Climate Change	New Urban Agenda	Our Ocean, Our Future: Call for Action	



INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

A STRATEGIC GUIDE TO DEVELOP AND STRENGTHEN NATIONAL GEOSPATIAL INFORMATION MANAGEMENT Bringing global strategies and frameworks closer to the national statistical and geospatial communities

- Technical cooperation to Member Countries for disseminating the Framework and components
- Further assessment on the implementation of the Framework at national level
- ✓ <u>Upgrades on the development of</u> <u>the Framework</u> components will facilitate national implementation



Global Geospatial Statistical Framework

Developing regional projects to integrate statistical and geospatial information



- ✓ UN-GGIM AMERICAS Working Group on Integration of Statistical and Geospatial Information
- Joint work at national level, between statistics and geospatial organizations
- Support of ECLAC in the coordination with national statistics offices

MARCO ESTADÍSTICO Y GEOESPACIAL PARA LAS AMÉRICAS Y EL CARIBE - MEGA

Estandarización de la Información Geoespacial y Socioeconómica

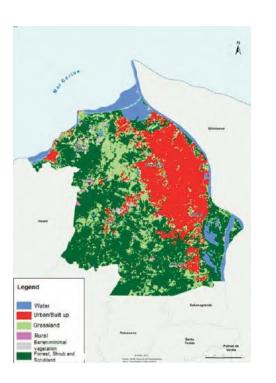
Source: UN-GGIM: Americas Working Group on Integration of Statistical and Geospatial Information

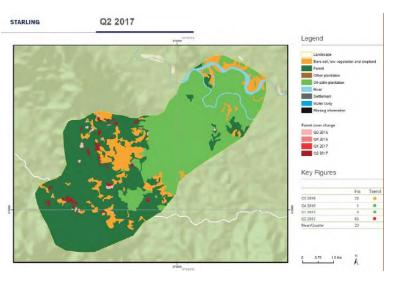
Working closely with the Earth Observation community to generate new statistical and geospatial data





- UN-GGIM AMERICAS Working Group on Regional Cooperation
- Capacity building projects with NASA, EO4SDGs, Global
 Partnership for Sustainable
 Development Data

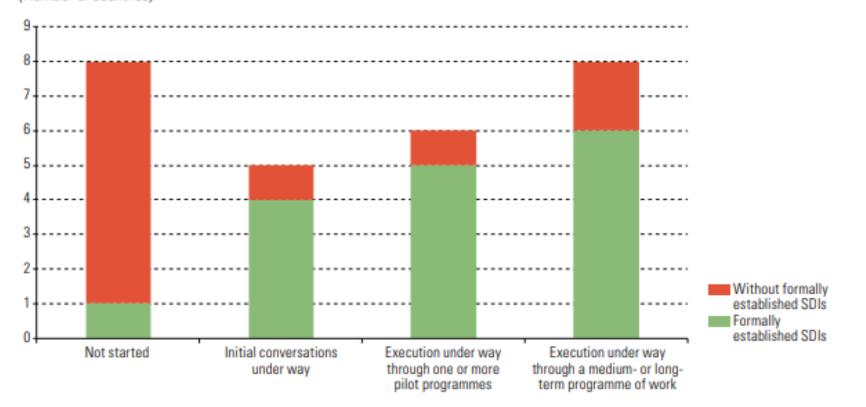




Assessing the integration of statistical and geospatial information, institutional and technical aspects

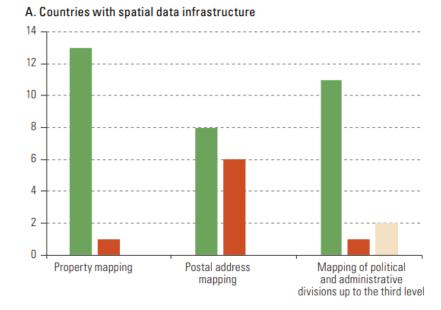
Statistical and Geospatial Information Integration v/s National SDI initiatives

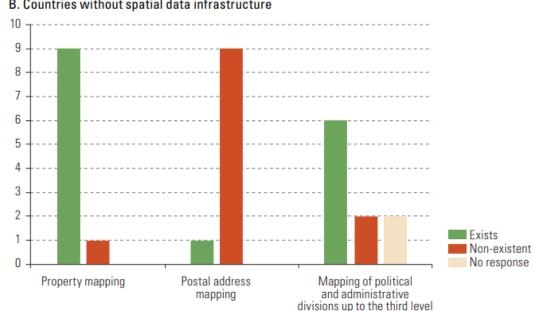
Latin America and the Caribbean (27 countries): status of statistical and geospatial information integration with respect to the existence of spatial data infrastructures (SDIs) (Number of countries)



Fundamental data for integration: with and without SDI initiative

Latin America and the Caribbean (24 countries): availability of basic data for statistical and geospatial information integration, with respect to the existence of national spatial data infrastructure (Number of countries)



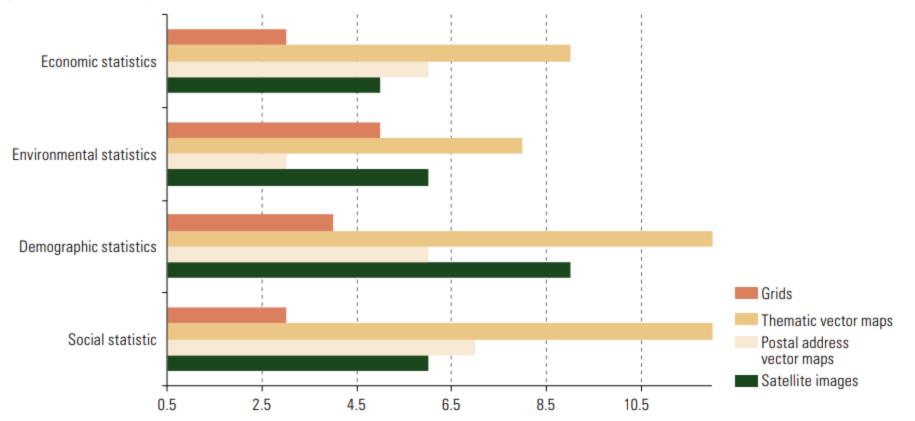


B. Countries without spatial data infrastructure

Geospatial inputs for the production of statistics

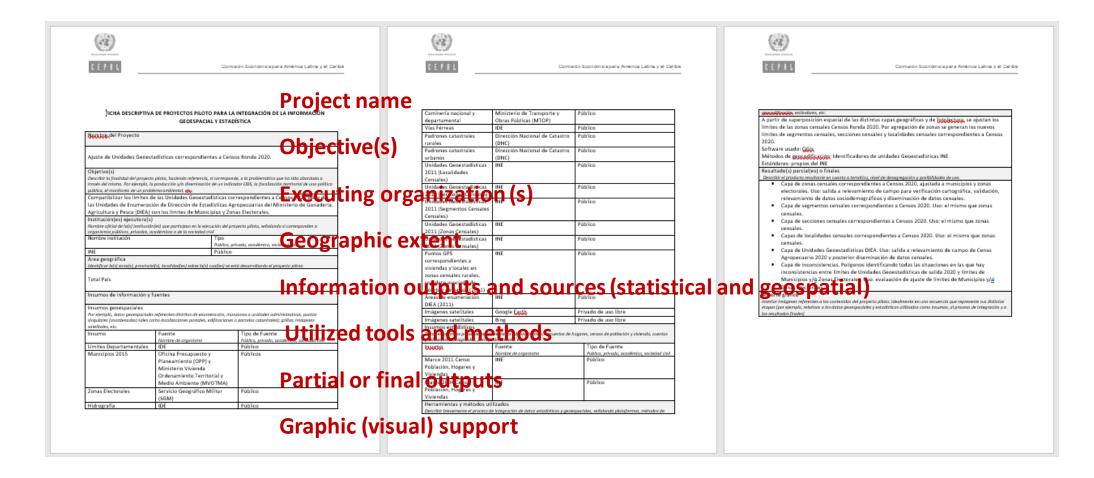
Latin America and the Caribbean (19 countries): use of geospatial inputs for producing statistics, by type of input and statistics

(Number of countries)



Documenting and disseminating experiences in the integration of statistical and geospatial information

Template to document projects and national experiences

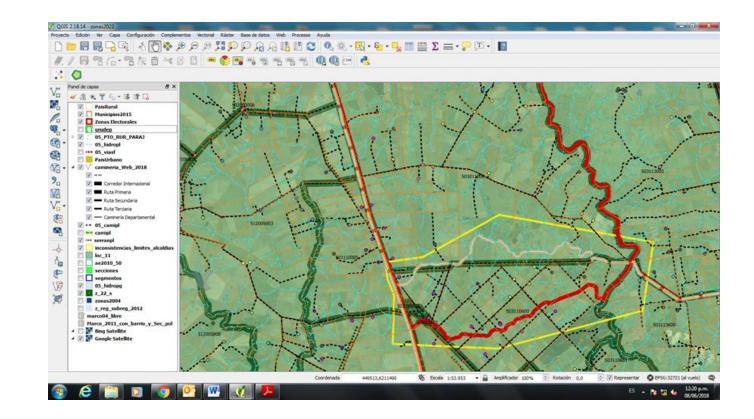


National examples: Uruguay

Adjustment of Geostatistical Units corresponding to Round 2020 Censuses

Make compatible the limits of the Geostatistical Units corresponding to Census 2020 INE and of the Enumeration Units of Agricultural Statistics Directorate of the Ministry of Livestock, Agriculture and Fisheries (DIEA) with the limits of Municipalities and Electoral Zones

Military Geographic Service National Statistic Institute Cadaster National Agency Budget and Planning Office Housing, Land Planning and Environment

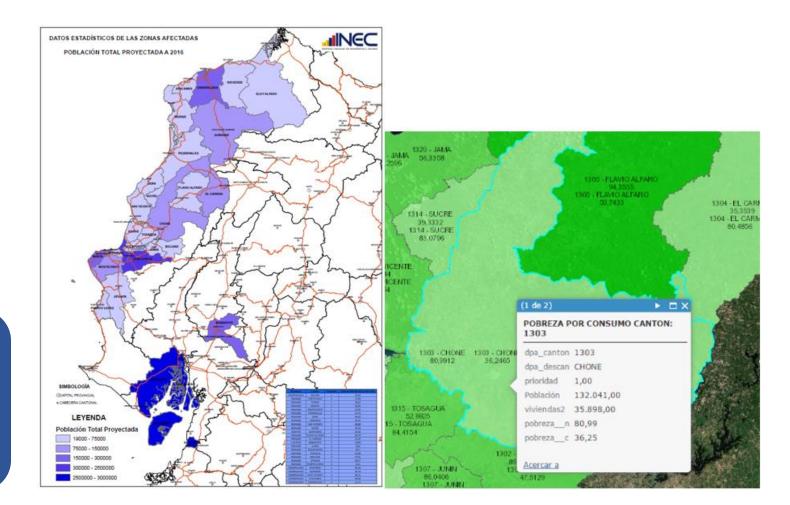


National examples: Ecuador

Unique Register of Damaged - to identify those affected by the Manabí earthquake on April 16, 2016

A GIS software platform was used to integrate the statistical information with the geospatial information, through the identification codes (geocodes) that the National Institute of Statistics and Censuses assigns to the vector representation elements of its national geodatabase.

Secretaría Nacional de Planificación y Desarrollo - SENPLADES Instituto Geográfico Militar – IGM Instituto Nacional de Estadística y Censos – INEC Ministerio Coordinador de Seguridad – MCS Ministerio de Inclusión Económica y Social – MIES Ministerio de Desarrollo Urbano y Vivienda - MIDUVI Instituto Geofísico Instituto Espacial Ecuatoriano



National examples: Argentina

Base of Human Settlements of the Argentine Republic

Conform an official and standardized database of towns and built sites of the Republic Argentina, having a data registry that allows identifying each and every one of the Human Settlements (census sites or places, built sites) with a unique name, a geographic coordinate and a unique code, regardless of the categorization used by the different government agencies.

> National Geographic Institute National Statistics and Census Office Ministry of Education

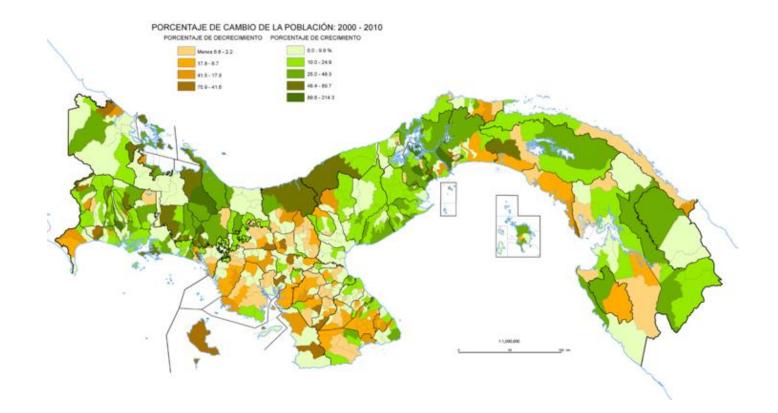


National examples

National Atlas of the Republic of Panama, 2016

Implemented to satisfy the initial inventory requirements in the planning of socioeconomic development programs, as well as to serve as a source for research in education and reference on the national territory. Also to prepare and process geospatial thematic databases that allow different analysis of the management and ordering of resources.

National Statistic and Census Institute National Geographic Institute Tommy Guardia Ministry of Health



Closing remarks

- ✓ An integrated geospatial information framework is crucial to enrich the national data ecosystem for sustainable development.
- Regional bodies have a fundamental role to bridge the global with the national in matter of integration of statistical and geospatial information.
- There are significant advances (institutional and technical) in promoting the integration of statistical and geospatial information: assessments, best practices documentation and MEGA project ongoing.
- Implementation of the global statistical geospatial framework at the national level is still a challenge in most of the countries in the region.
- ✓ We will need global and national references to guide assessments on the implementation of the five components of the Framework in the region













Thank you !





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