



CEPALGEO: a tool supporting geospatial information management in ECLAC

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Statistics Division - ECLAC

Second UN World Geospatial Information Congress

Hyderabad, India, 10-14 October 2022

Why a Spatial Data Infrastructure for ECLAC?

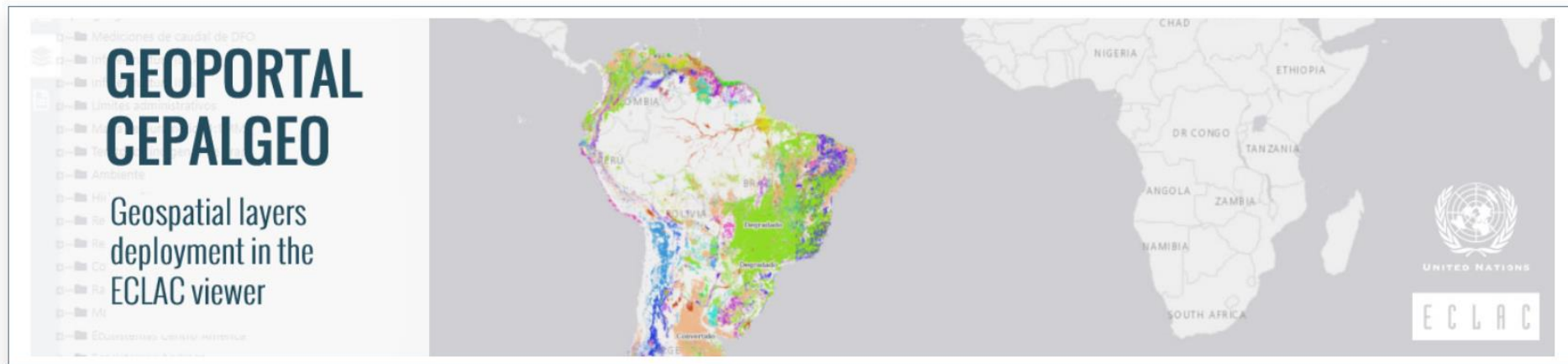
Increasing use of geospatial information to **support the work of the organization in substantive areas**: Statistics; Sustainable Development and Human Settlements; Population; Natural Resources; Gender.

Need to establish an **internal collaborative management model within ECLAC**, in the logic of a geospatial data infrastructure for the organization, which incorporates standardized procedures for the maintenance, integration, analysis and use of geospatial data

Need to establish **exchange mechanisms with external platforms** (United Nations entities, regional and subregional organizations, national SDIs, academia and other relevant organizations that produce and disseminate geospatial data)

Need to establish **standardized procedures** for the maintenance, integration, analysis and use of geospatial data

CEPALGEO a technological tool supporting the internal collaborative management model for geospatial information management within ECLAC



Mechanisms to discover geospatial information

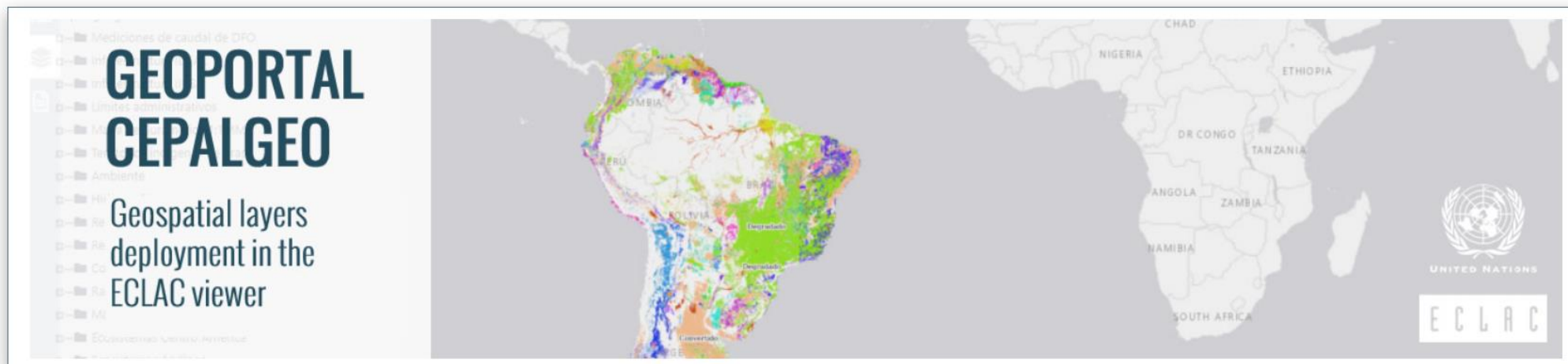
HOME

BACKGROUND

GEOPORTAL

METHODOLOGY RESOURCES

GEOSERVICES OCG/OPEN DATA



**GEOPORTAL
CEPALGEO**

Geospatial layers
deployment in the
ECLAC viewer

UNITED NATIONS
ECLAC

METADATA CATALOG

Search standardized geospatial metadata harvested from the SDI initiatives of the region

EARTH OBSERVATION PRODUCTS

Access to platforms and applications to explore and analyze satellite imagery products

GEOSPATIAL METHODOLOGICAL RESOURCES

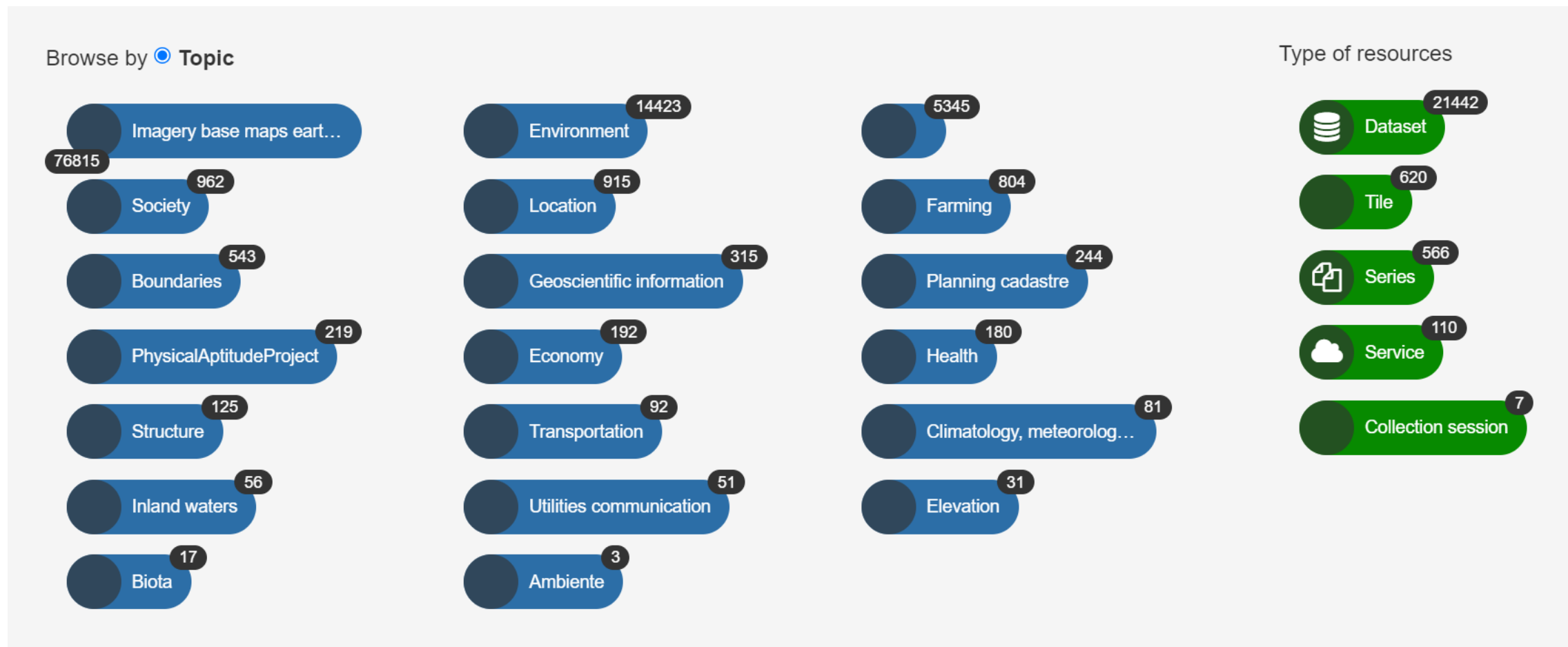
Methodological and technical documentation related to geospatial information management



ECLAC



Mechanisms to discover geospatial information



Mechanisms to discover geospatial information

TAMBO GRANDE P-04 GEOMORFOL...



TAMBO GRANDE P-05 GEOLOGÍA



TALARA P-05 GEOMORFOLOGÍA



TALARA P-05 GEOLOGÍA



MORROPÓN P-04 GEOMORFOLOGÍA



MORROPÓN P-05 GEOLOGÍA



MÁNCORA P-04 GEOMORFOLOGÍA



MÁNCORA P-05 GEOLOGÍA



Access to Earth Observation products

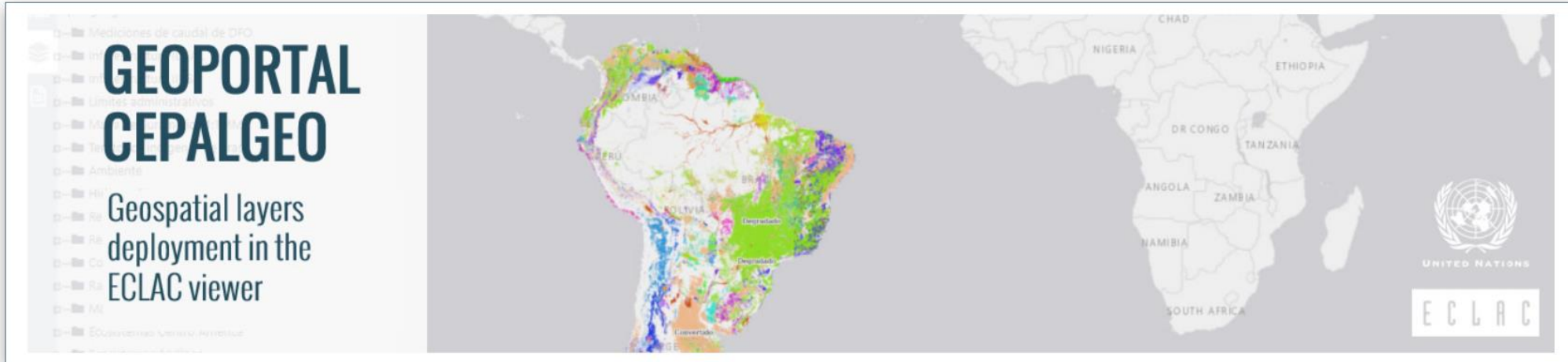
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ECLAC



Access to Earth Observation products

Earth Observation resources

The use of Earth Observations represents an opportunity to obtain reliable, timely and continuous information, which, integrated with geospatial information and official statistics, directly supports the monitoring and measurement of the SDG indicators.

Through the processing of satellite images, it is possible to obtain relevant quantitative information regarding the surface of the earth, being possible to identify the surface of water, cultivation, urban expansion, among many other phenomena of both natural and artificial origin.



Global

Copernicus Open Access Hub
ESA, European Space Agency

The Copernicus Open Access Hub platform provides full, free and open access to Sentinel-1, Sentinel-2, Sentinel-3 and Sentinel-5P products. All the information about the products offered and the user guide can be found on this site



Copernicus Open Access Hub [en](#)



Global

Earth Explorer
USGS, United States Geological Survey

The Earth Explorer platform of the United States Geological Survey (USGS), offers a wide collection of different satellite products, such as Landsat images, Radar images, UAS (Unmanned Aerial Systems) data, digital line graphs, elevation model data digital, aerial photos, Sentinel satellite data, some commercial satellite imagery including IKONOS and OrbView3, land cover data, digital map data, and many other data sets. Users can search by exact location via the interactive map or enter specific coordinates to see what types of data are available for a particular area.



Earth Explorer Platform [en](#)

Access to technical documents

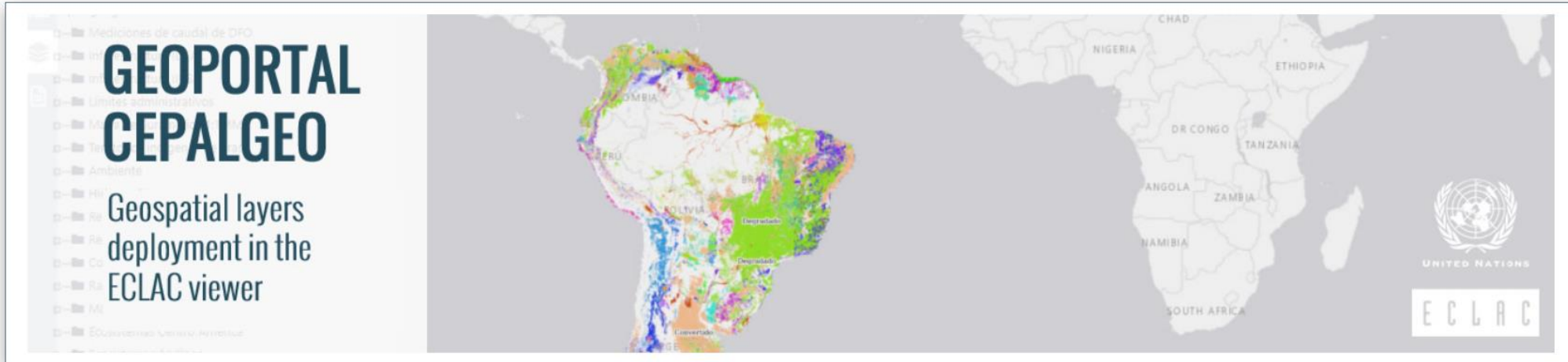
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ECLAC




Access to technical documentation

Geospatial library

 World	Geospatial community's response to COVID-19	UNGGIM	 Geospatial community's response to COVID-19 en
 World	Future trends in geospatial information management: the five to ten year vision	UNGGIM	 Future trends in geospatial information management: the five to ten year vision en
 World	The SDGs Geospatial Roadmap	UNGGIM	 The SDGs Geospatial Roadmap
 World	Framework for Effective Land Administration	UNGGIM	 Framework for Effective Land Administration
 World	Geospatial Information and Services for Disasters	UNGGIM	 Geospatial Information and Services for Disasters en
	Global Fundamental Geospatial Data Themes	UNGGIM	 Global Fundamental Geospatial Data Themes en

Deploy of statistics geospatially enabled

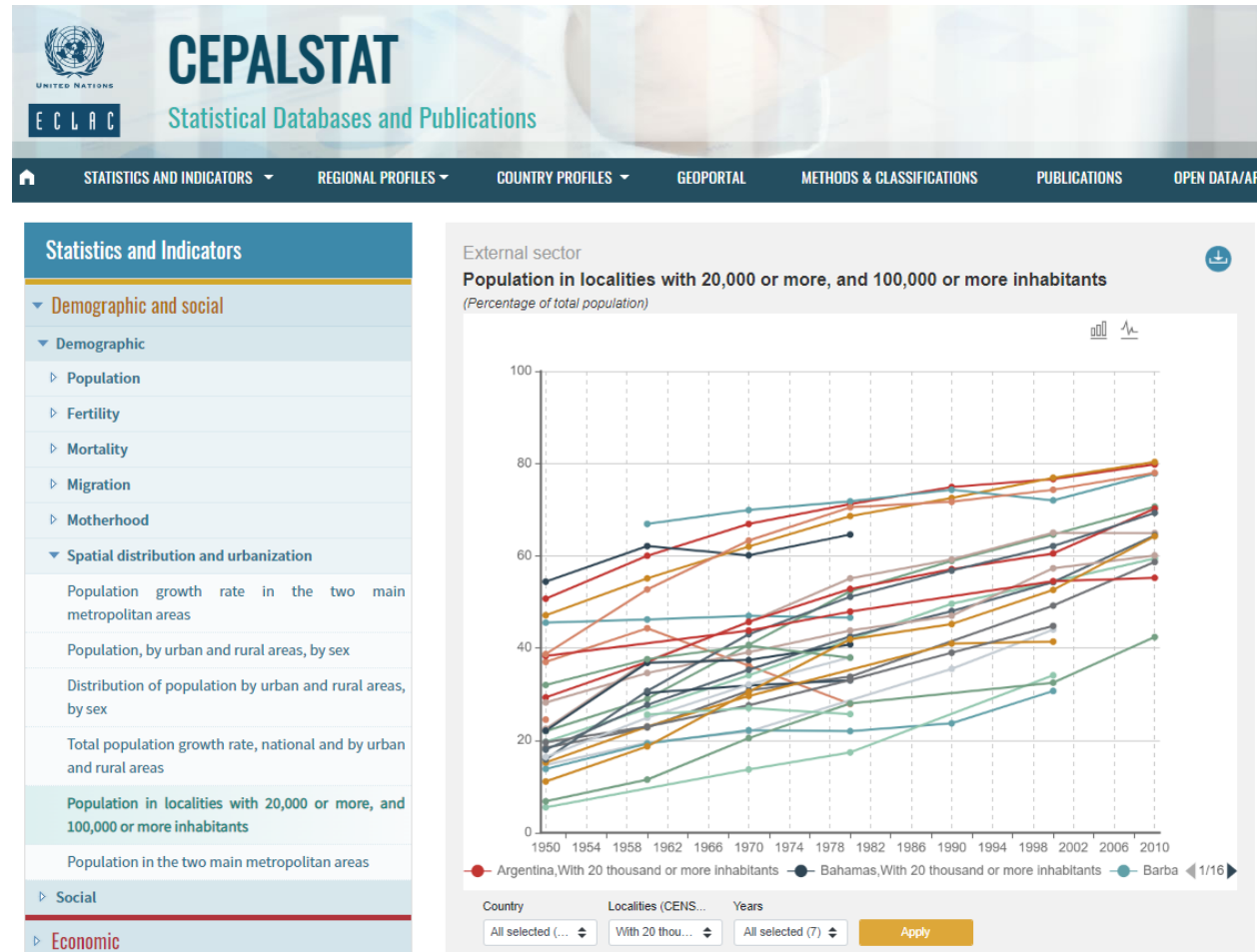
STATISTICAL GEOSPATIAL INFORMATION INTEGRATION



The banner features a topographic map on the left and a dotted world map on the right. It includes the United Nations logo, the ECLAC logo, and the text 'CEPALSTAT GEOPORTAL'. There are also icons for a globe, a wrench and screwdriver, and a circular arrow, along with a right-pointing arrow at the bottom right.

About Statistical Geospatial Information Integration

Deploy of statistics geospatially enabled

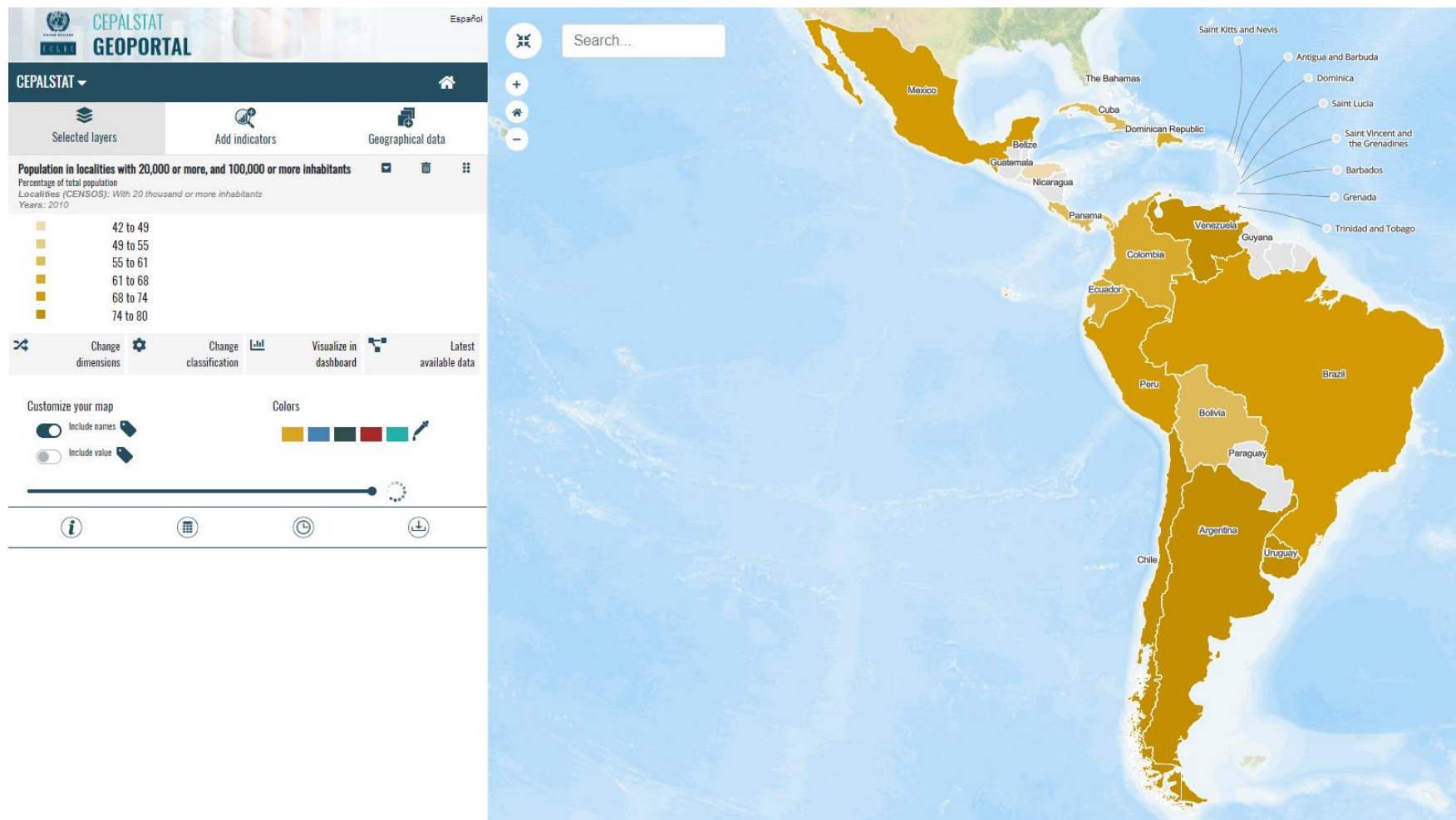


Apply

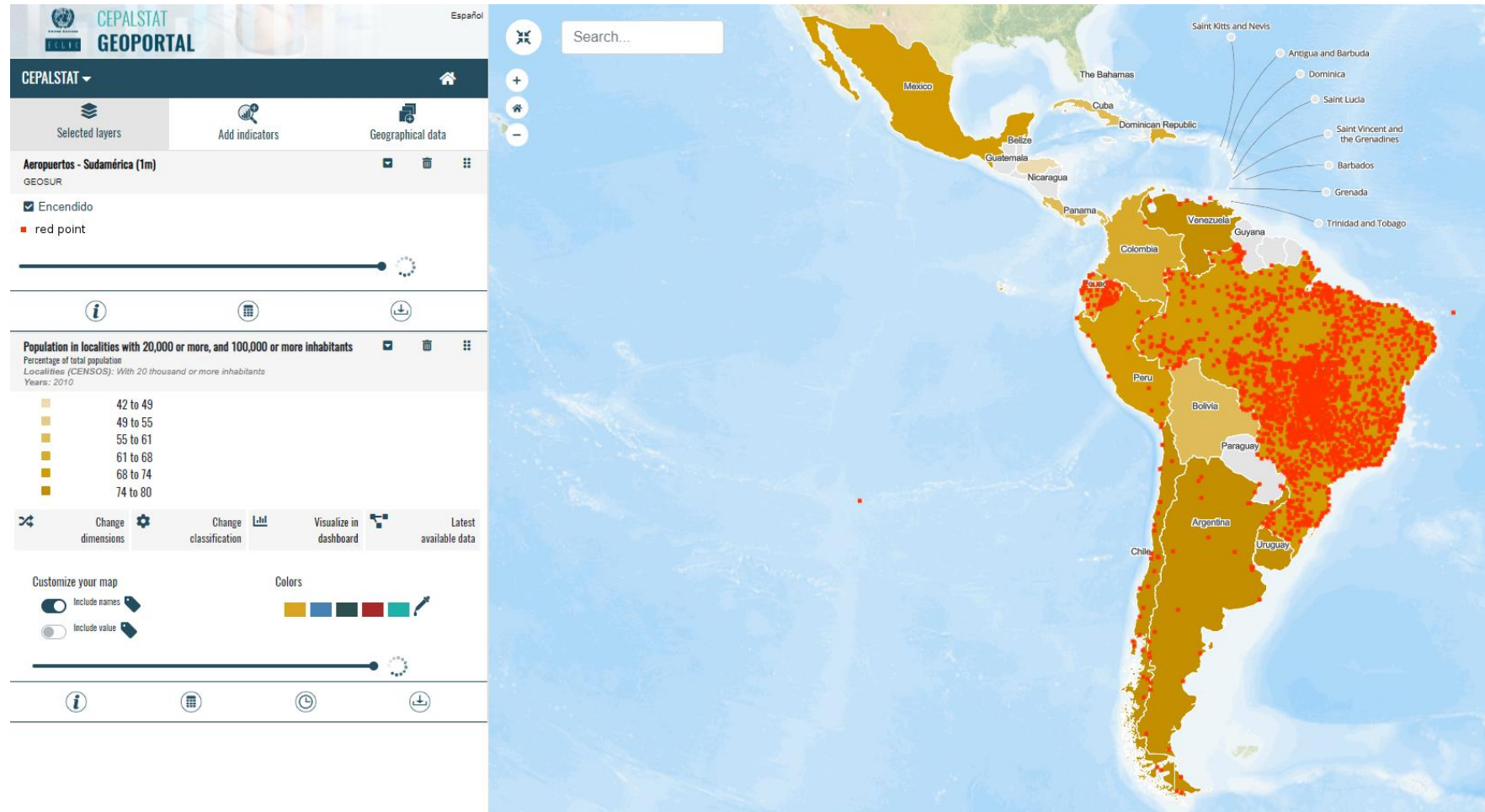
Download chart data: XML JSON XLSX

View the indicator in the GEOPORTAL

Deploy of statistics geospatially enabled



Deploy of statistics geospatially enabled



ECLAC Geospatial Projects



New concepts of rurality

CEPAL México - FIDA



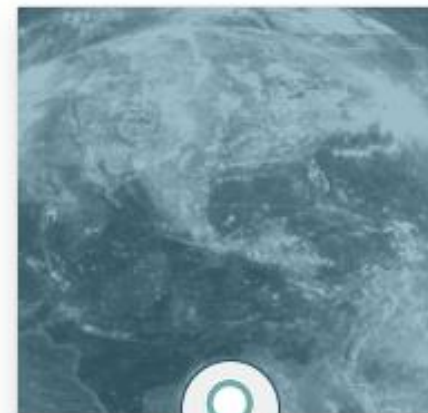
Map of care in the city of Bogotá

División de Asuntos de Género



GDP Geoportal

ECLAC



COVID-19 Observatory Geoportal

ECLAC

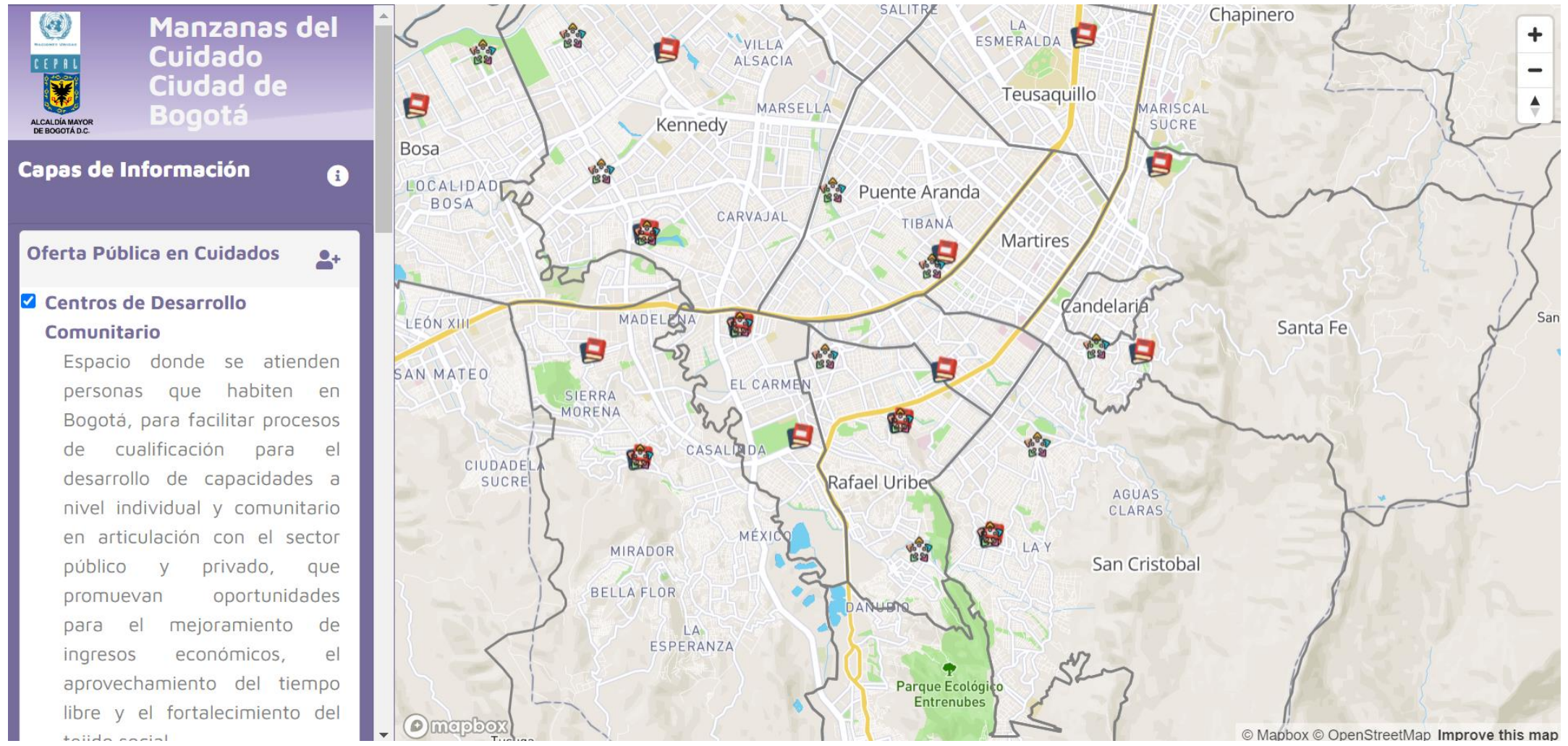
[View all the geospatial projects from the region](#)



ECLAC



ECLAC Geospatial Projects



Geospatial platforms for monitoring the SDGs



SDG Geoportal for Latin America and the Caribbean



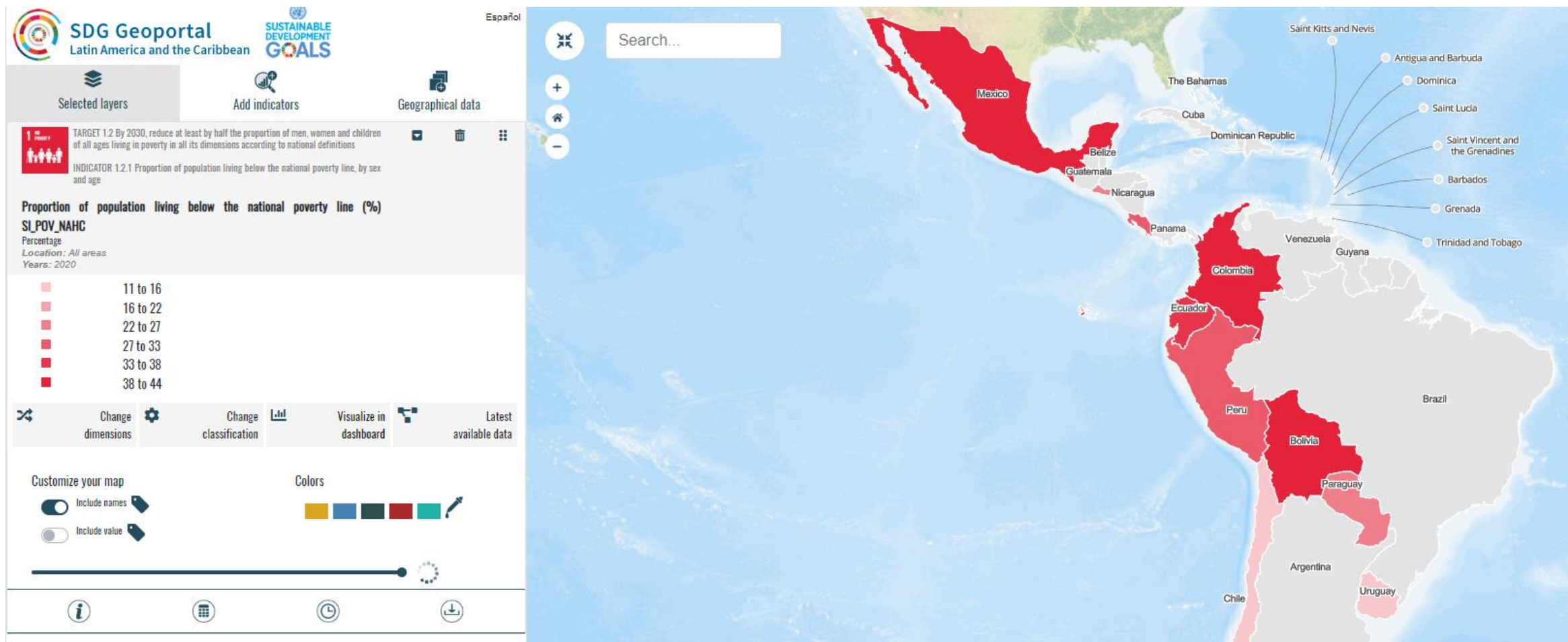
Earth Observations for the SDGs



Other tools for the geographic visualization of the SDGs



Geospatial platforms for monitoring the SDGs



Access to information on National Spatial Data Infrastructures




NATIONAL SDIs

View SDI initiatives from the region

Antigua and Barbuda	Argentina	Bahamas	Barbados	Belize
Bolivia	Brazil	Canada	Chile	Colombia
Costa Rica	Cuba	Dominica	Ecuador	El Salvador
United States of America	Grenada	Guatemala	Guyana	Haiti
Honduras	Jamaica	Mexico	Nicaragua	Panama
Paraguay	Peru	Dominican Republic	Saint Kitts and Nevis	Saint Vincent and the Grenadines
Saint Lucia	Suriname	Trinidad and Tobago	Uruguay	Venezuela

Access to information on National Spatial Data Infrastructures

HOME	BACKGROUND	GEOPORTAL	METHODOLOGY RESOURCES	GEOSERVICES OCG/OPEN DATA
		<input type="text" value="Seleccionar otro país"/>		
IPDE				
SDI Name	Panamanian Spatial Data Infrastructure			
SDI Webpage	http://www.ipde.gob.pa/			↗
Coordinating institution	National Geographic Institute ?Tommy Guardia?			
Geoservices	http://www.ipde.gob.pa/geoservicios/			↗
Download	https://geo-01.innovacion.gob.pa/layers/?limit=20&offset=0			↗
SDI Nodes	http://www.ipde.gob.pa/comite-tecnico/			↗
Legal framework	http://www.ipde.gob.pa/normativa/			↗
Technical documents	http://www.ipde.gob.pa/documentos-tecnicos/			↗
Metadata Catalog	https://geo-01.innovacion.gob.pa/geonetwork			↗

Access to information on National Spatial Data Infrastructures

The screenshot displays the website for the National Spatial Data Infrastructure of Panama (IPDE). The browser's address bar shows the URL `ipde.gob.pa`. The page header includes the logos for the República de Panamá (Government National) and the IPDE. A navigation menu is located below the header, with links for [INICIO](#), [¿QUIÉNES SOMOS?](#), [GRUPOS DE TRABAJO](#), [GEOSERVICIOS](#), [RECURSOS](#), [CONTACTENOS](#), and [NOTICIAS](#). A search icon is also present. The main content area features a map of Panama. Overlaid on the map is a text box with the following text:

Seis años contribuyendo al desarrollo de una IDE en Panamá
Bienvenidos al Portal Web de la Infraestructura Panameña de Datos Espaciales.

Moving forward...

- ✓ Creation of an internal coordination group on geospatial information within ECLAC
- ✓ Assessment on geospatial information assets and needs within the organization
- ✓ Advancing a sustainable process of documentation for geospatial information (metadata catalog)
- ✓ Internal capacity building for the use of CEPALGEO within the organization
- ✓ Strengthen interoperability within the global geospatial ecosystem



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