UN-GGIM:Americas
REGIONAL COMMITTEE OF UNITED NATIONS ON GLOBAL GEOSPATIAL INFORMATION MANAGEMENT FOR THE AMERICAS

9° SESSION
UN-GGIM: Americas

Geospatial activities in ECLAC 2021-2022

Horacio Castellaro
Statistics Division - ECLAC

Session 2: New tools for the dissemination of regional geospatial information

UNITED NATIONS

ECLAC

November 28, 29 and 30
Santiago de Chile, ECLAC

SDI Americas Website

UNITED NATIONS

Español About

Americas SDI

AMERICAS SPATIAL DATA INFRASTRUCTURE

Búsqueda

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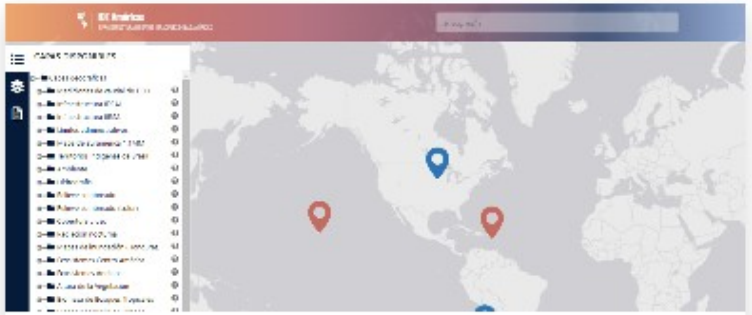
Geospatial resources

Access to data, services and other geoespatial resources from the Americas SDI



Americas SDI Geoportal

Geospatial layers deployment in the Americas SDI viewer

Metadata catalog

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

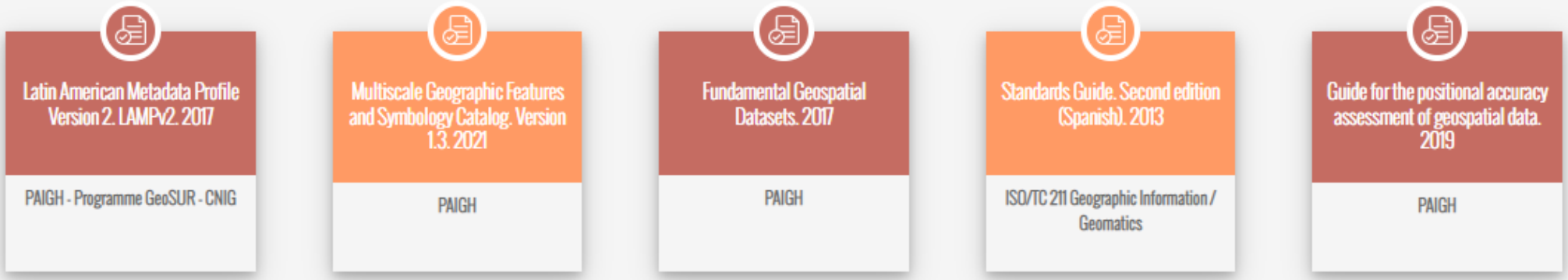
SDI Americas Website

SDI Americas Website

Geospatial regional projects

View all the geospatial projects from the region

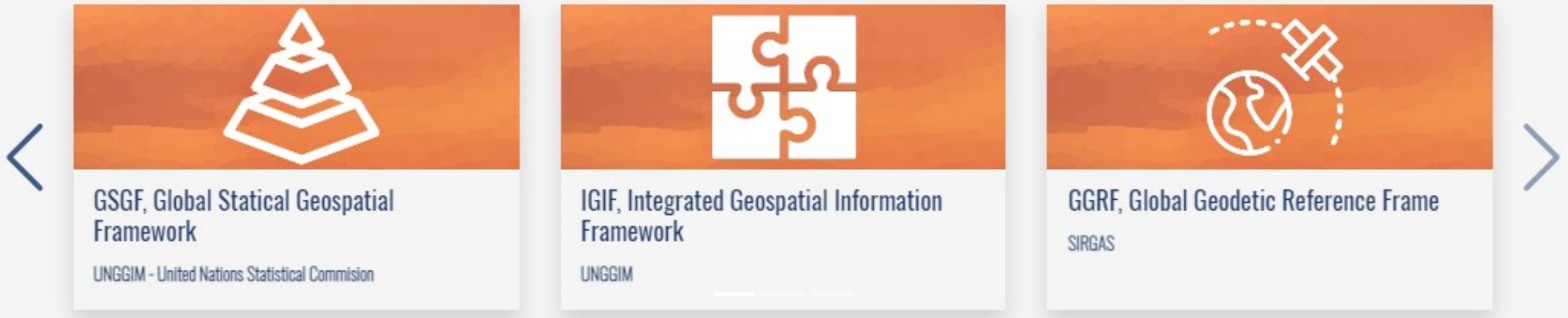
Technical and normative documents



View more technical and normative documents

SDI Americas Website

GLOBAL GEOSPATIAL FRAMEWORKS AND GUIDELINES



GEOSPATIAL INFORMATION AND SDG

Sustainable Development Goals

SDI Americas Website

REGIONAL GEOSPATIAL PLATFORMS

CEPREDENAC Geoportal

Disaster Prevention Coordination Center of Central American and Dominican Republic, SICA

AmeriGEO DataHub

AmeriGEO

Caribbean Geoportal

CARIGEO - UNGGIM:Americas

GEOSPATIAL RESOURCES

- Fundamental datasets
- Metadata Catalog
- Geoservices monitor
- CEPALSTAT Geoportal

REGIONAL GEOSPATIAL FRAMEWORKS

- MEGA
- IGIF
- GSGF
- GGRF

SPATIAL DATA INFRASTRUCTURE

- National SDIs
- Geospatial standards
- Regional geospatial projects
- Geospatial Information and SDGs

REGIONAL ORGANIZATIONS

- UNGGIM:Americas
- PAIGH
- SIRGAS
- UN ECLAC
- AmeriGEO

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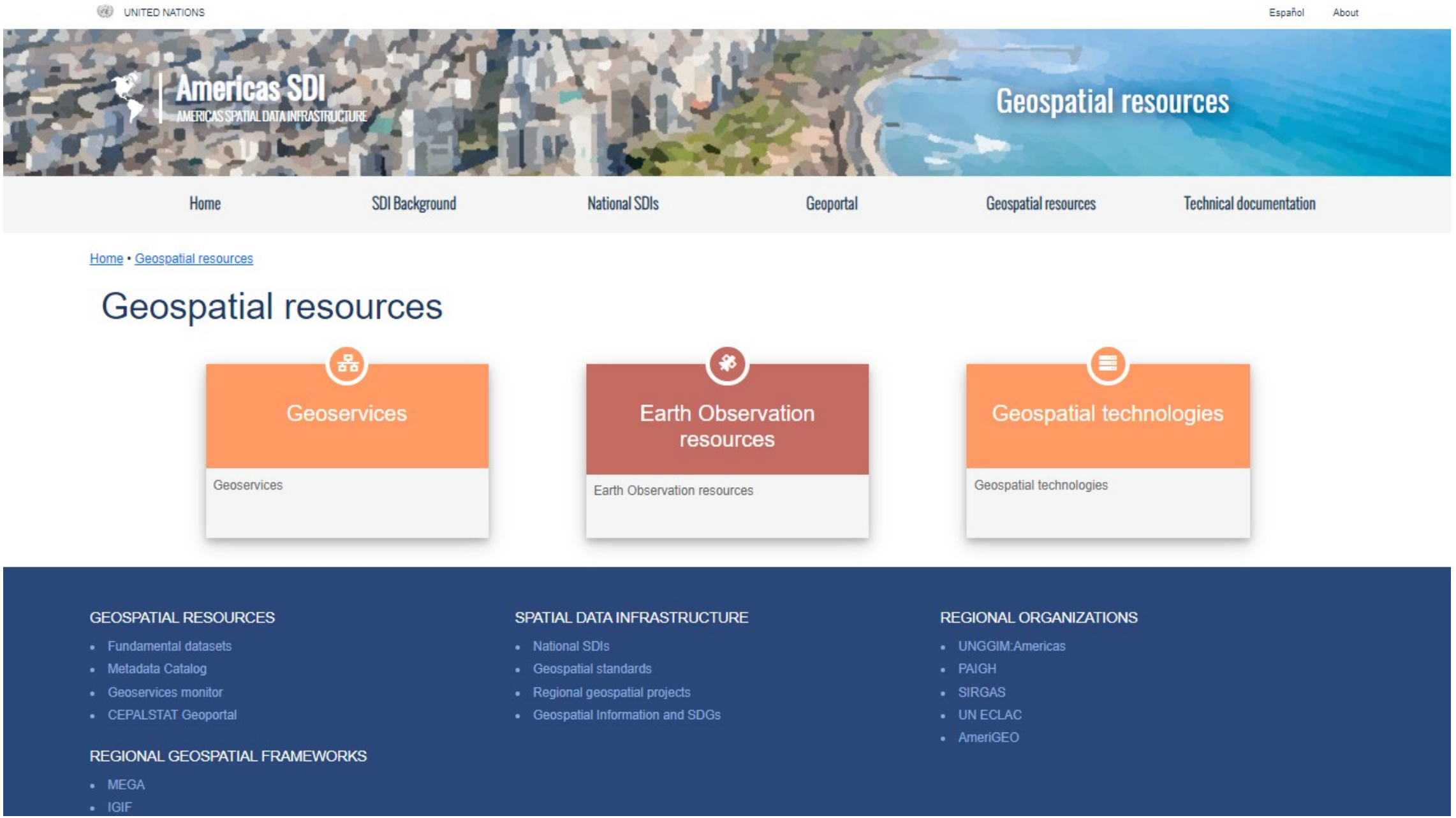
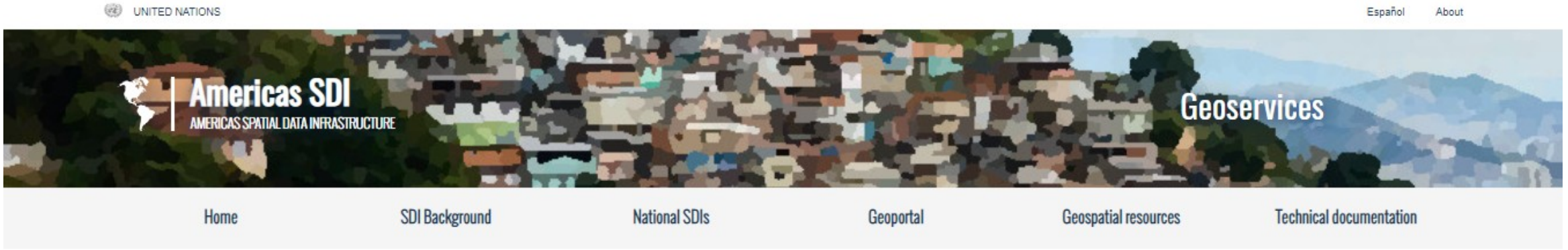
Geospatial resources



Geoservices



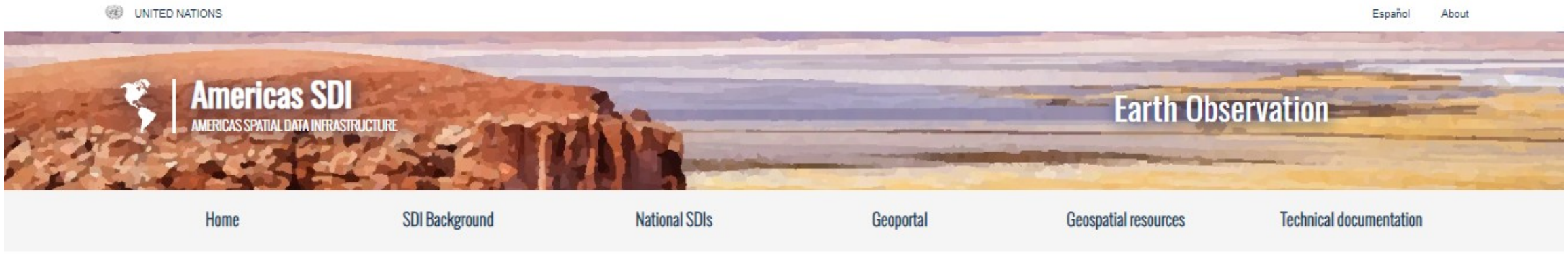
Home • Geospatial resources • Geoservices

Geoservices

Buscar por nodo..

Country	Level	Node	Institution *Project*	Geoservices Clic to copy URL
Argentina	Nacional	Jefatura de Gabinete de Ministros	Secretaría de Políticas Integrales sobre Drogas de la Nación Argentina (SEDRONAR)	WMS WFS
Argentina	Nacional	Ministerio de Agricultura, Ganadería y Pesca	Instituto Nacional de Tecnología Agropecuaria (INTA)	WMS WFS
Argentina	Nacional	Ministerio de Agricultura, Ganadería y Pesca	Servicio Nacional de Sanidad y Calidad Agroalimentaria (SENASA)	WMS WFS WCS
Argentina	Nacional	Ministerio de Ambiente y Desarrollo Sostenible	Ministerio de Ambiente y Desarrollo Sostenible	WMS WFS
Argentina	Nacional	Ministerio de Ambiente y Desarrollo Sostenible	Inventario Nacional de Glaciares	WFS
Chile	Nacional	Ministerio de Bienes Nacionales	Rutas Patrimoniales Ámbitos	WMS WFS ArcGIS Rest
Chile	Nacional	Ministerio de Bienes Nacionales	Propiedad Fiscal Administrada	WMS ArcGIS Rest

Earth Observation



Home • Geospatial resources • Earth Observation

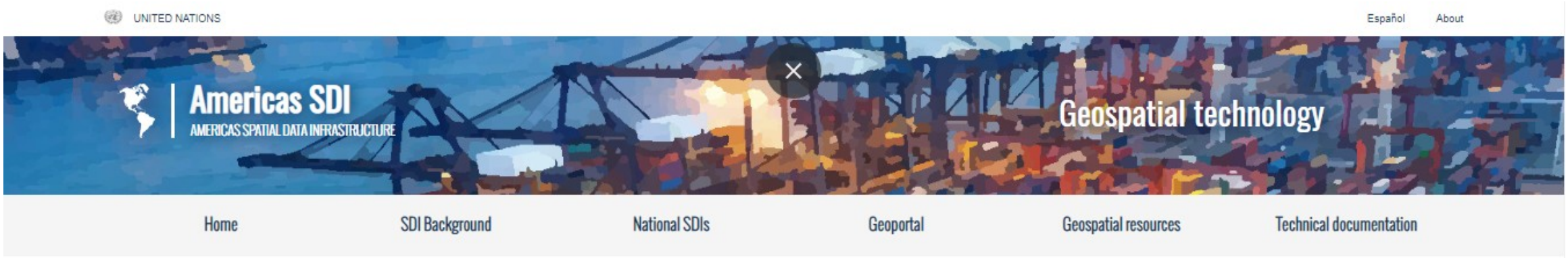
Earth Observation resources

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
Global	**NASA EOSDIS** NASA, National Aeronautics and	NASA EOSDIS is a key hub in NASA's Earth Science Data Systems Program for archiving and distributing data from multiple space missions to users. It is possible to filter the search for satellite products by their characteristics, by keyword (theme), by capture platform, by instrument used, by responsible organization, by processing level, data format, among	NASA Earth Observation System Data and Information System

Geospatial technology

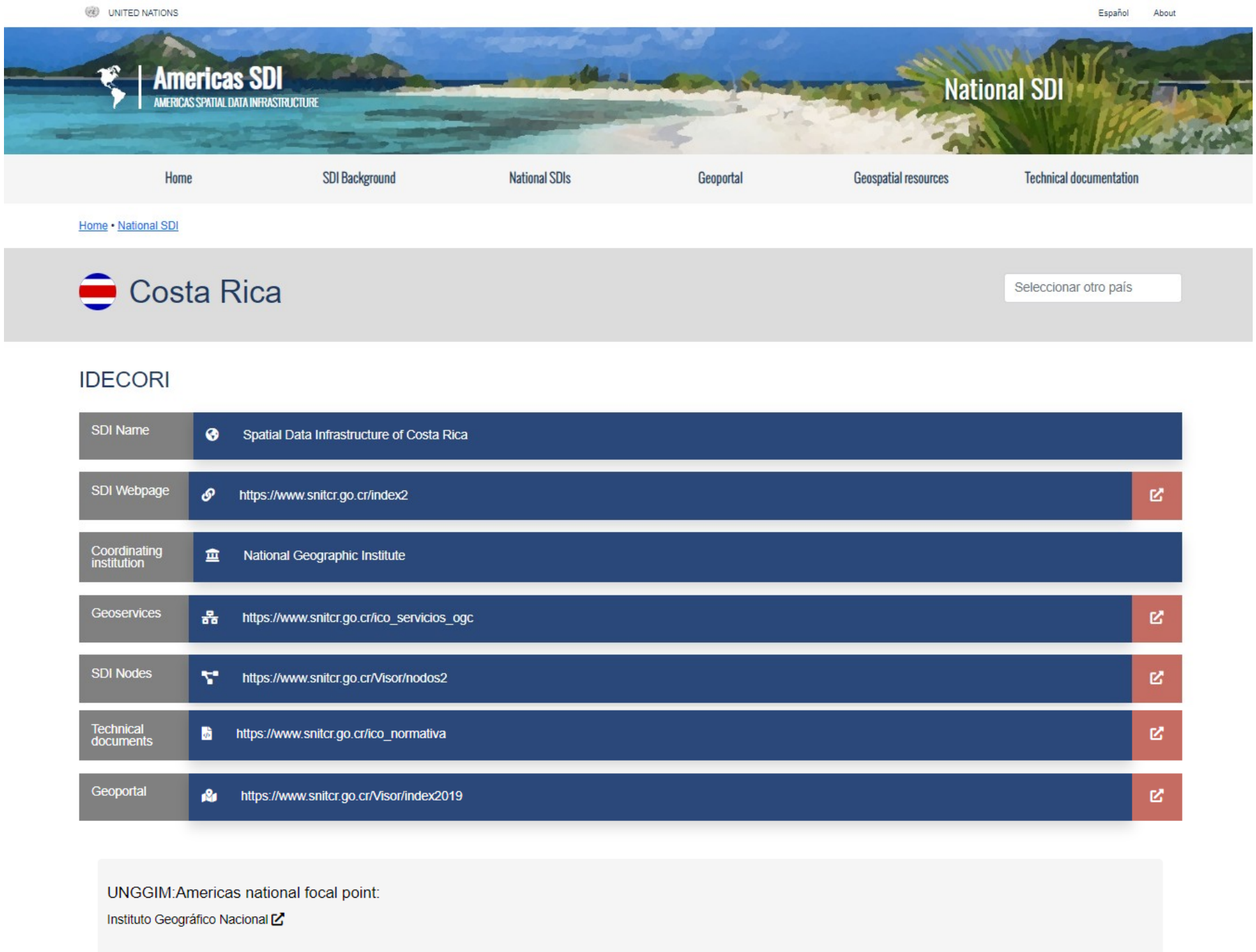


Home • Geospatial resources • Geospatial technology

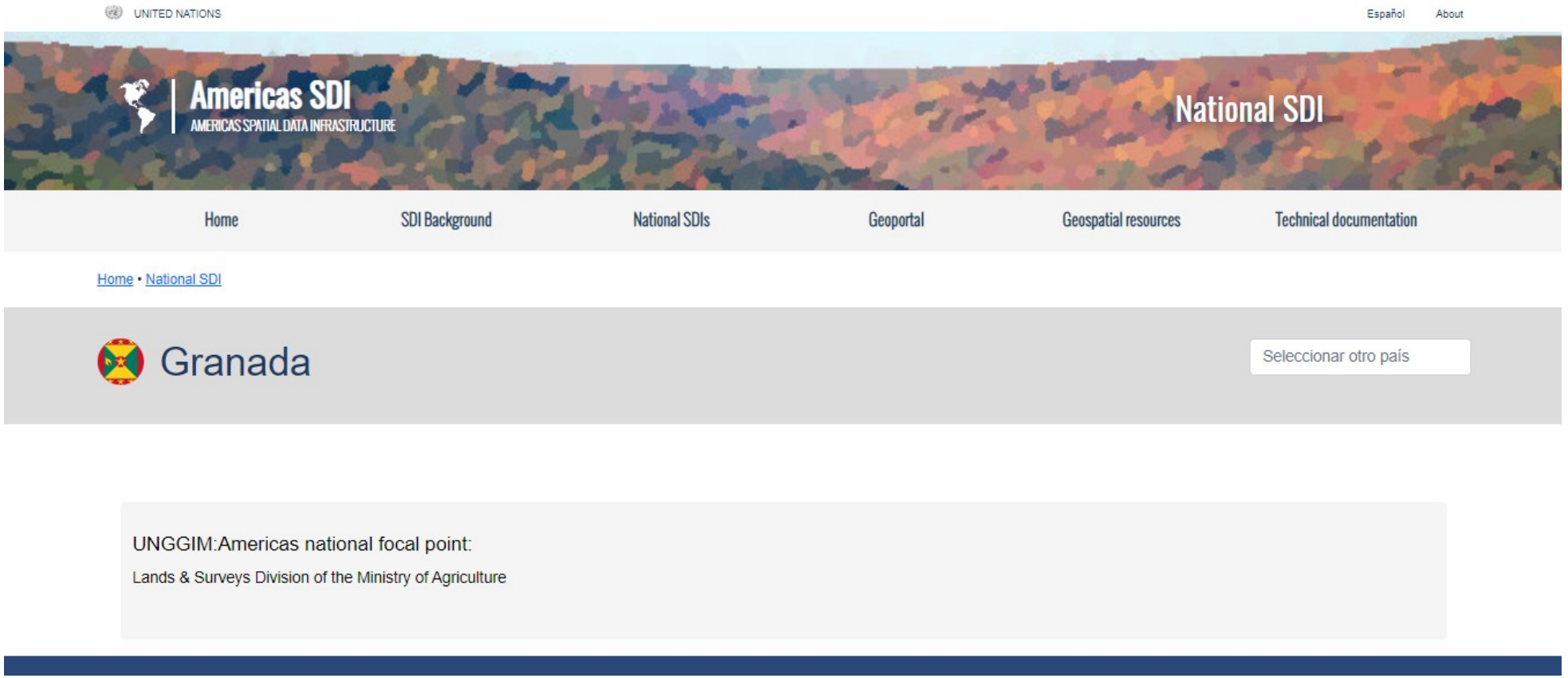
Geospatial technology

Tipo de recurso	Nombre	Creador	Licencia	Recursos asociados
Geospatial databases	**PostGIS**	PostGIS Community	Open Source	PostGIS
Mobile data collector	**OSMand**	OSMAnd Community	Open Source	OSMand
Mobile data collector	**QField**	QField Community	Open Source	QField
Mobile data collector	**KoboToolBox**	Kobo Inc.	Open Source	KoboToolBox
Metadata catalog	**GeoNetwork**	GeoNetwork Community	Open Source	GeoNetwork
Metadata editor	**CatMEdit**	IGN Spain, IAAA, Zaragoza University	Privativa	CatMEdit
Webmapping Javascript library	**MapLibre GL JS**	MapLibre Community		MapLibre GL JS

National SDI



National SDI



Global geospatial framework

The Global Statistical Geospatial Framework

The Global Statistical Geospatial Framework (GSGF) is a high-level framework which facilitates consistent production and integration approaches for geo-statistical information. It is generic and permits application of the framework principles to the local circumstance of individual countries.

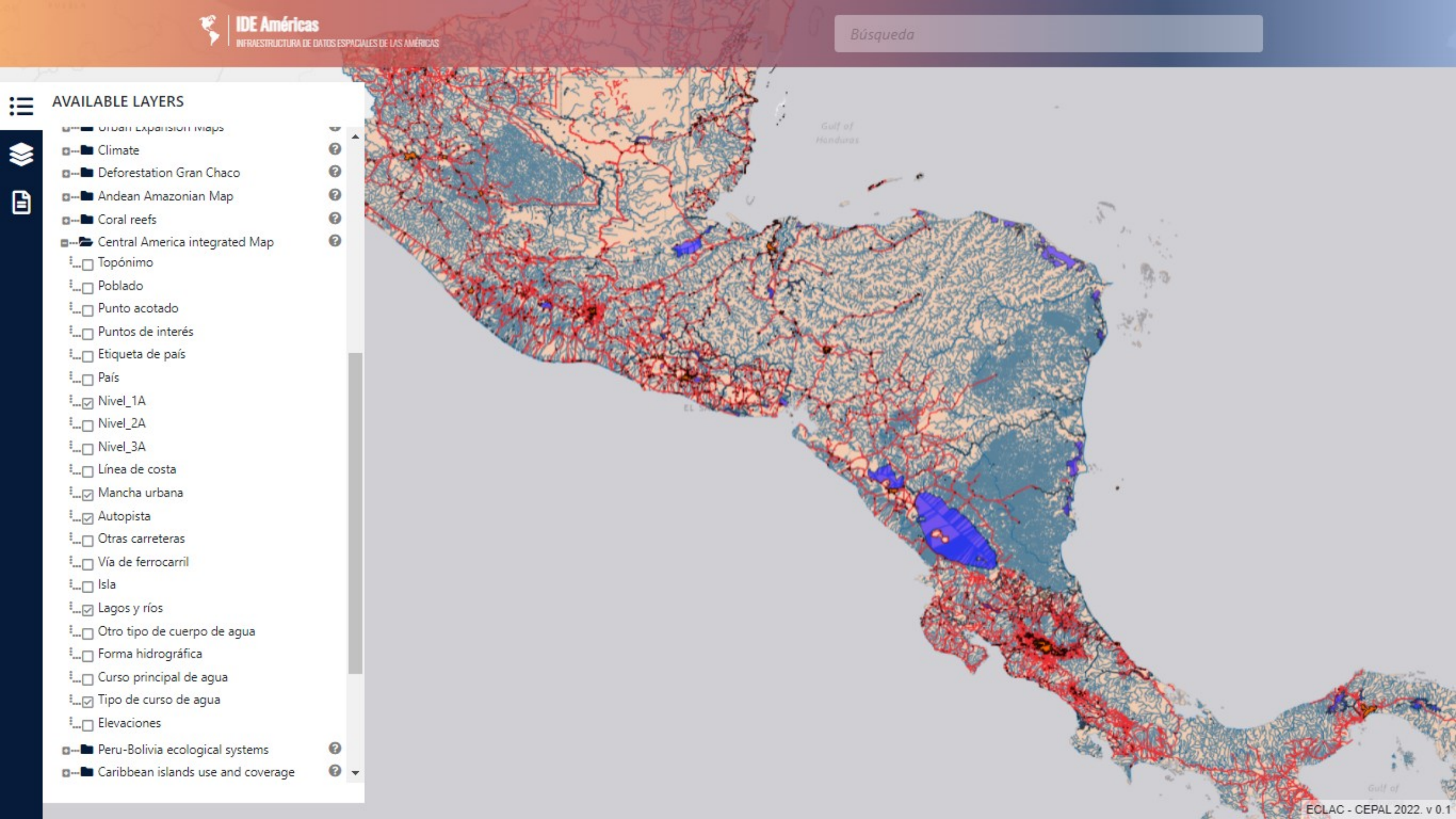
The global framework has been developed by the joint UNSC/UN-GGIM Expert Group on Integration of Statistical and Geospatial Information, based on a national framework in Australia. Having a common method of geospatially enabling statistical and administrative data and integrating this with geospatial information through an internationally agreed framework will enable:

- new, better and more integrated information for analysis and decision making processes;
- comparisons within and between countries;
- increased information on smaller geographic areas;
- the development of common tools/applications to support the integration and sharing of data;
- commercial development of geospatial tools that will further support data integration; and,
- generally more efficient production of information.

Please see more details in the document The Global Statistical Geospatial Framework.
Global Statistical Geospatial Framework

Global Statistical and Geospatial Framework (GSGF) e-Learning courses.
PAIGH - UN Census - UNGGIM
Go to course

Geospatial library


IDE Américas
INFRAESTRUCTURA DE DATOS ESPACIALES DE LAS AMÉRICAS
Búsqueda
AVAILABLE LAYERS
Climate
Deforestation Gran Chaco
Andean Amazonian Map
Coral reefs
Central America integrated Map
Topónimo
Poblado
Punto acotado
Puntos de interés
Etiqueta de país
País
Nivel_1A
Nivel_2A
Nivel_3A
Línea de costa
Mancha urbana
Autopista
Otras carreteras
Vía de ferrocarril
Isla
Lagos y ríos
Otro tipo de cuerpo de agua
Forma hidrográfica
Curso principal de agua
Tipo de curso de agua
Elevaciones
Peru-Bolivia ecological systems
Caribbean islands use and coverage
Gulf of Honduras
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Geoportal

GeoSUR

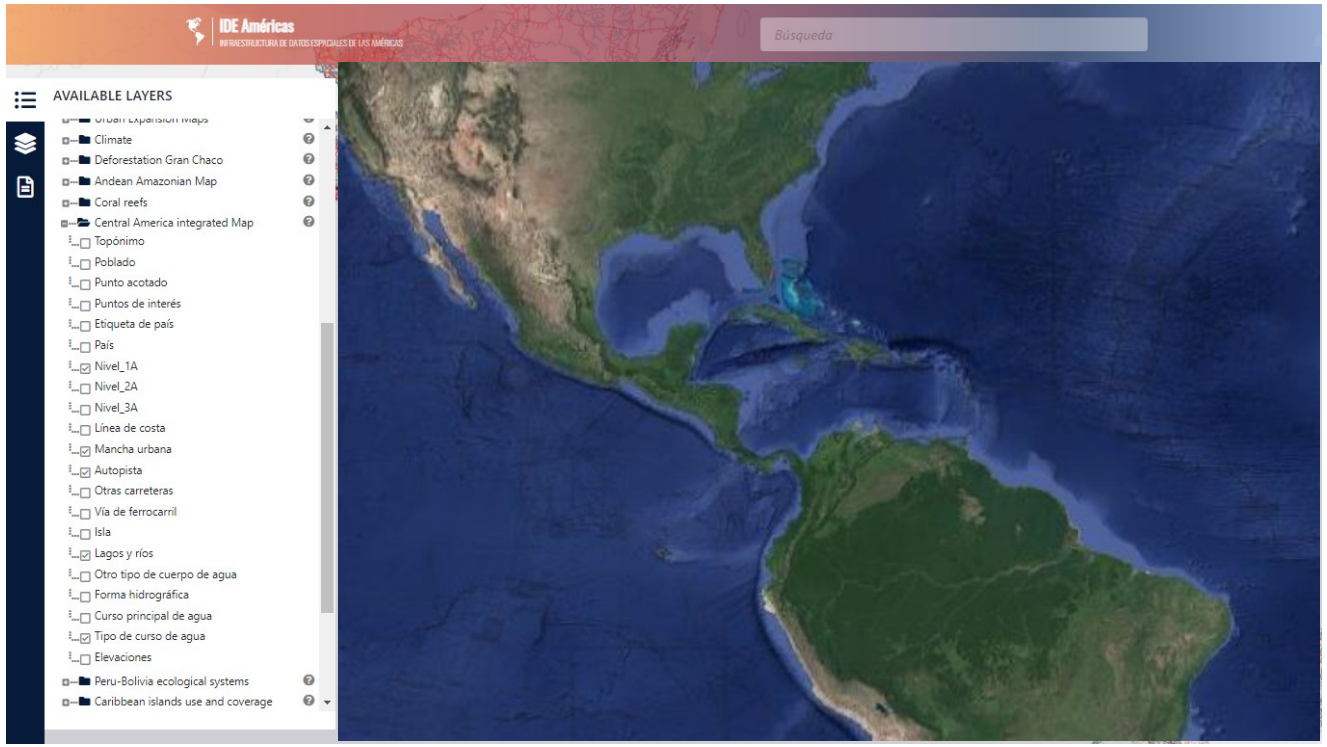
CAF
FINANCING DEVELOPMENT • LATIN AMERICA

Instituto Panamericano de Geografía e Historia
- OEA -

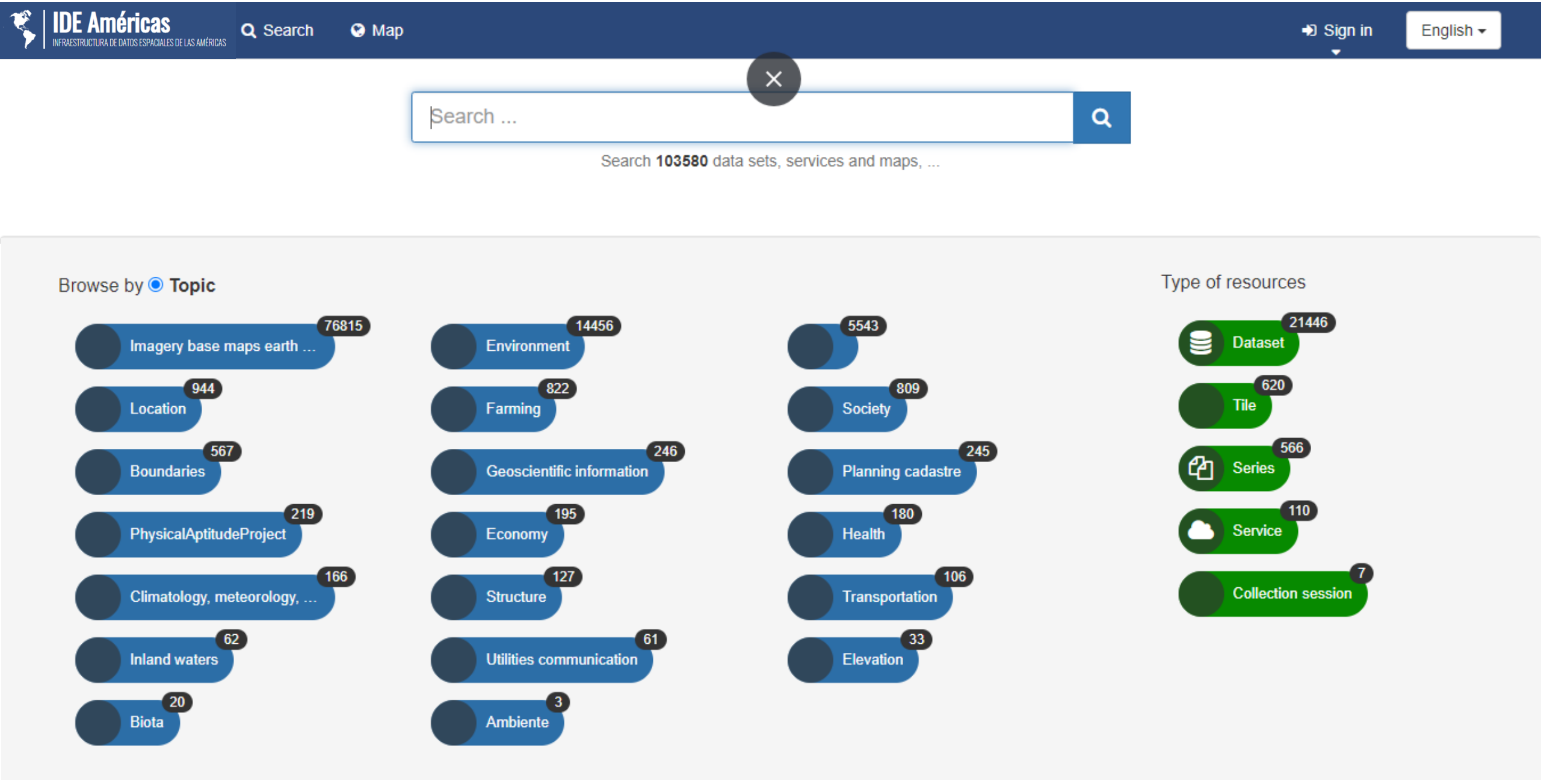
MAPA INTEGRADO DE AMÉRICA DEL SUR
MIAS

MIAC
Mapa Integrado de América Central

MIAN
Mapa Integrado Andino del Norte



Metadata catalog



Metadata catalog

IDE Américas
INFRAESTRUCTURA DE DATOS ESPACIALES DE LAS AMÉRICAS

Search | Map | Sign in | English

Search ...

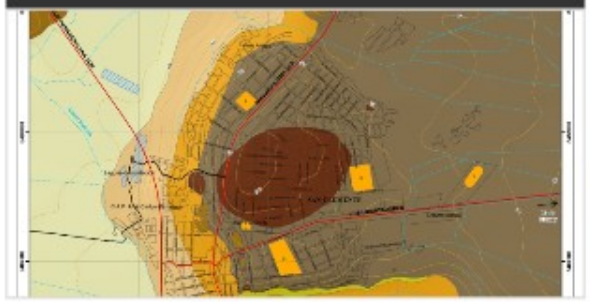
Search **103580** data sets, services and maps, ...

BASE TEMÁTICA VETORIAL 1:1.000.00...

ILO - GEOMORFOLOGÍA

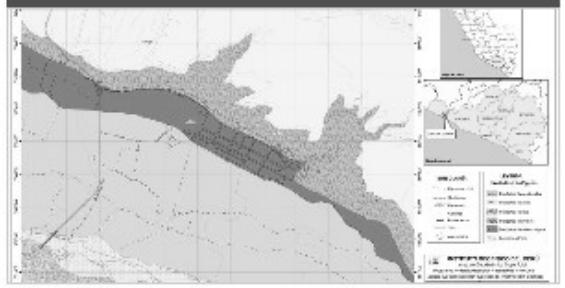
ILO - GEOLOGÍA

SAN CLEMENTE - GEOMORFOLOGÍA

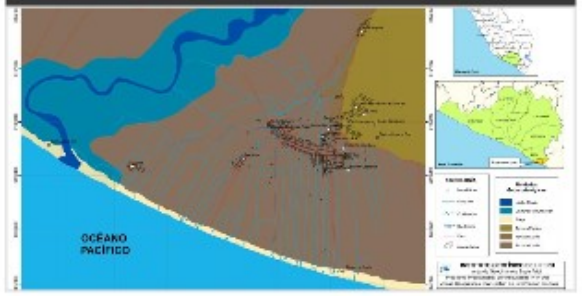


CASMA - GEOMORFOLOGÍA

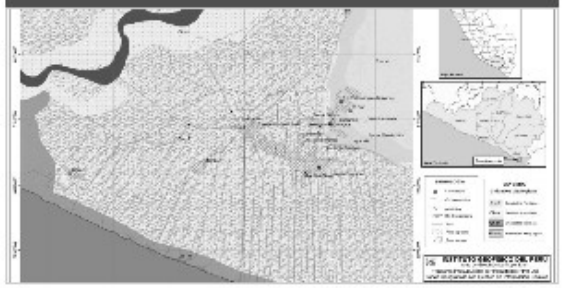
YAUCA - GEOLOGÍA



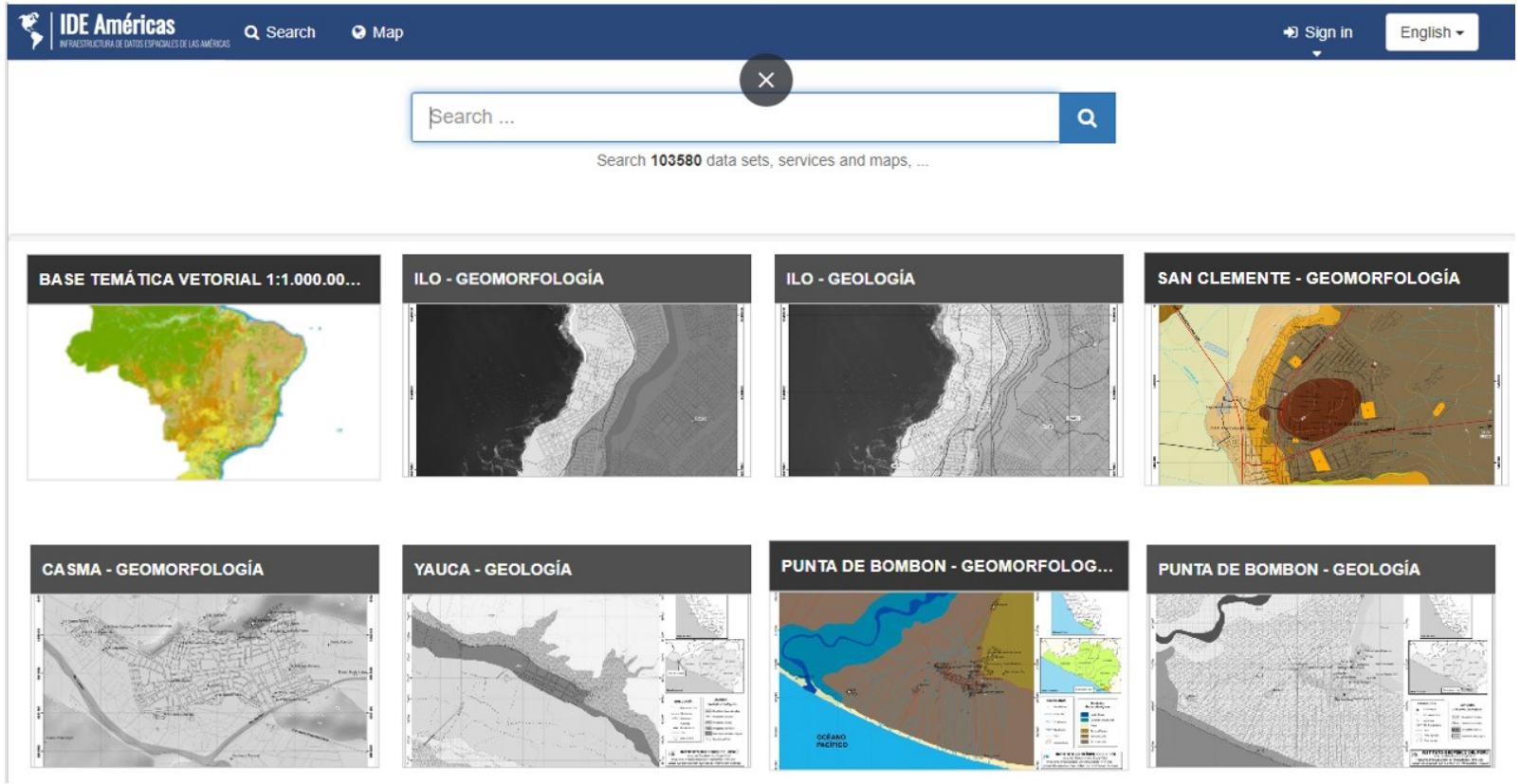
PUNTA DE BOMBON - GEOMORFOLOG...



PUNTA DE BOMBON - GEOLOGÍA



Metadata catalog harvesting



National SDIs

CSW
WMS
WFS
WCS

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