



UN-ECLAC: Mandates and current organization of the program of work in the geospatial field

ECLAC, Statistics Division

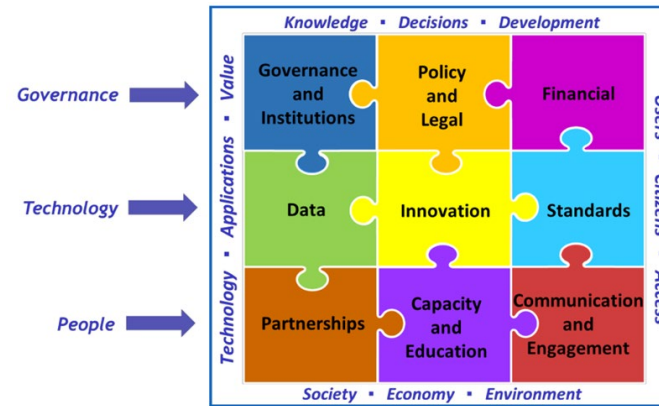
Sub-regional Workshop on United Nations Integrated Geospatial Information Framework (UN-IGIF) for Central America and neighboring Latin American countries

December 1st to 5th 2025, Panama City, Panama

1. Supporting national geospatial information initiatives
2. Strengthening collaboration between national statistical offices and national geospatial agencies
3. Implementing geoportals in national statistics offices
4. Enriching the regional ecosystem of statistical/geospatial data
5. Other relevant roles

1. Supporting national geospatial information initiatives

Our work with countries has been primarily focused on **strengthening governance** and **developing policies** for geospatial information management, seeking to implement the UN-IGIF.



Assistance in the elaboration of National Policies, Supreme Decrees and Strategic Plans for the national SDI

National and Subregional Workshops for the dissemination of the UN-IGIF and self assessments exercises

Assistance in national workshops for the execution of UN Methodology Tasks

1. Supporting national geospatial information initiatives

Supreme Decree of the establishment of the national SDI – Paraguay

Legal and Policy	<ul style="list-style-type: none">• Development of a legal framework: procedures and actions for the management of geographic information.
Standards	<ul style="list-style-type: none">• Establishment of norms, guidelines, standards, and to integrate of geospatial data.
Data	<ul style="list-style-type: none">• Knowledge of the geographic information available in institutions.
Governance	<ul style="list-style-type: none">• Formation of inter-institutional committees to address different work guidelines.
Partnerships	<ul style="list-style-type: none">• Collaboration among different government entities, organizations, sectors, and communities.
Financial	<ul style="list-style-type: none">• Obtaining financial resources for information generation and platform implementation.
Capacity and Education	<ul style="list-style-type: none">• Training and capacity building in geospatial data management at the technical and decision-making levels
Communication Engagement	<ul style="list-style-type: none">• Promotion of public awareness and understanding of the importance of geospatial data

1. Supporting national geospatial information initiatives

National Geospatial Information Strategic Plan– Argentina

Strategic Pathway UN-IGIF		GOAL		ACTIONS	EXPECTED OUTCOME
GOVERNANCE AND INSTITUTIONS	1.1	Obtaining political support for institutional strengthening	1.1.1	Present IDERA and case studies on the application of SDI to decision-making levels of government.	Presentation of IDERA at CEATS and the federal councils of Cadastre and Planning
	1.2	Promoting the development of existing SDIs in all jurisdictions	1.2.1	Joint meetings of the Executive Coordination with provincial representatives and the Secretary of Provinces and with municipal representatives and the Secretary of Municipalities of the Ministry of the Interior.	Development of strengthening programs and projects for provincial and municipal SDIs.
			1.2.2	Meetings between municipal and provincial representatives to coordinate joint work that understands the independence of the municipalities and the need for the Provinces to integrate the municipal SDIs into the provincial SDI	
	1.3	Promoting the development of new SDIs across all jurisdictions and government agencies (3.2)	1.3.1	Promote the adhesion of organizations from different jurisdictions through the organization of institutional presentations of the nodes before organizations of their same jurisdiction (3.2.1)	Increase in the number of accessions of functioning organizations and IDEs
	1.4	Formation of the Provincial Working Group	1.4.1	Submit an updated proposal document for the creation of a Working Group. With defined functions, members, coordination and Work Plan approved by the Institutional Framework group.	Provinces Working Group formed

1. Supporting national geospatial information initiatives

National Geospatial Information Policy– Dominican Republic

Governance	Policy and Legal	Finance	Data	Innovation	Standards
<ul style="list-style-type: none">• Develop mechanisms for defining competencies• Strengthen coordination between public institutions• Establish an institutional framework that defines responsibilities and strengthens governance	<ul style="list-style-type: none">• Safeguard the rights and duties associated with the use and exchange of geospatial information• Promote intellectual property regulations and agreements for the exchange and transfer of geospatial information	<ul style="list-style-type: none">• Ensure efficiency in public spending regarding the formulation and execution of investment in geospatial projects• Planned multi-year financial and project plans, in order to comply with national policies and priorities	<ul style="list-style-type: none">• Maintain an updated and unique cartographic database, consisting of fundamental geospatial data• Use an integrated, accessible, reliable and quality geodetic reference system	<ul style="list-style-type: none">• Promote a national innovation agenda in the field of geospatial information management• Promote the implementation of GIS platforms and geoportals in the institutions that make up the IDE	<ul style="list-style-type: none">• Ensure sustainability of the operation of the Technical Committee for the Standardization of Geographic Information• Promote inter-institutional processes for of geospatial validation and/or certification data

1. Supporting national geospatial information initiatives

National Policy on Geospatial Information – Chile

- strengthening leadership
- institutional framework that defines responsibilities
- coordination between the central level and the regions
- data governance model
- geodetic reference system
- agree on required geospatial data
- bonds of trust with academia and citizens
- international collaboration
- intersectoral and interdisciplinary cooperative environment

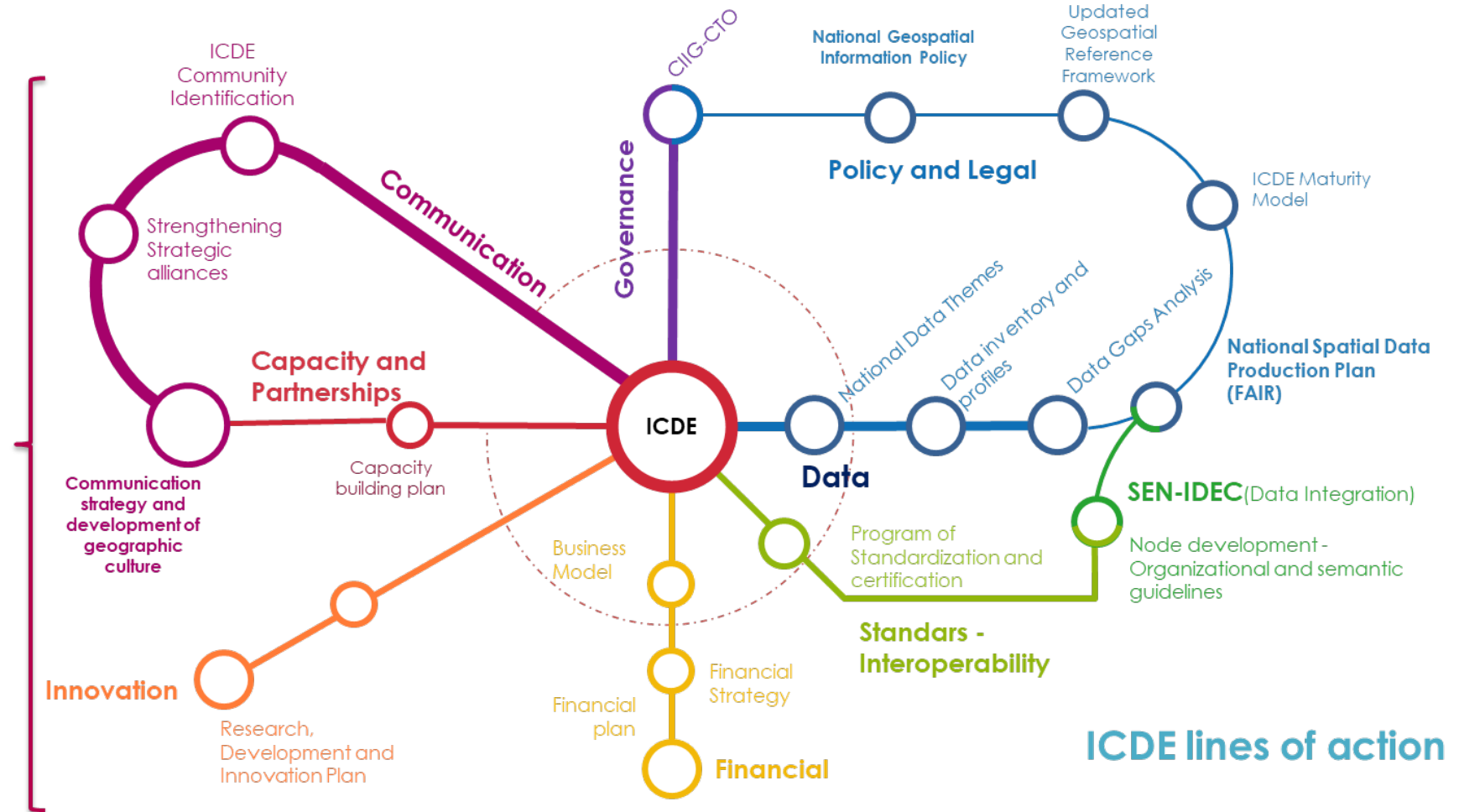


- making procurement processes more efficient
- free access to information generated with public resources
- geospatial information integration
- quality information, duly documented
- communication and participation plan
- promote the use of information
- increase awareness and level of understanding

1. Supporting national geospatial information initiatives

National Geospatial Information Plan– Colombia

In Colombia, based on an **interinstitutional self assessment exercise**, the coordinating SDI team was able to develop a **proposed plan with actions** framed within the nine UN-IGIF strategic pathways



1. Supporting national geospatial information initiatives

Situational analysis on geospatial information management - Mexico



GOVERNANCE AND INSTITUTIONS

In terms of the management of geospatial information at the national level, are the responsibilities of institutions clearly defined regarding the generation and maintenance of geospatial data in their diverse areas?

At the level of decision-makers in public institutions in Mexico, is the value of geospatial information recognized as a tool to support management?

What actions or measures could be taken to strengthen institutional mandates for the management and use of geospatial information?

CAPACITY AND EDUCATION

Is there currently an inventory of the state of geospatial skills within public institutions?

Is knowledge systematized and disseminated regarding undergraduate, postgraduate and other (e-learning) academic programs in the field of geospatial information management?

Is there a needs assessment for training in national public institutions? What actions could be taken to facilitate the connection between supply and demand in strengthening geospatial capabilities?

1. Supporting national geospatial information initiatives

Subregional workshop – IDERA Argentina

LA PLATA | 2, 3 y 4 de Julio de 2025

XIX JORNADAS IDERA

PROVINCIA DE BUENOS AIRES

+ I Encuentro IDE de América del Sur

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

“Proyectando ecosistemas geoespaciales inteligentes”

Ideba
INFRAESTRUCTURA DE DATOS ESPACIALES

IGN
INSTITUTO GEOMÁTICO NACIONAL

GOBIERNO DE LA PROVINCIA DE
BUENOS AIRES

CFI
CONSEJO FEDERAL
DE INVERSIONES

IDERA
Infraestructura de
Datos Espaciales de la
República Argentina

1. Supporting national geospatial information initiatives

National Geospatial Information Plan– Panama



Task 8: Strategic Alignment

Task 9: Vision, Mission and Objectives

Task 10: Gap Analysis Matrix

Current Situation	Desired Future	Assessed Gap	Possible Strategies
Lack of understanding of the value of geospatial information.		There is a need to determine the best approach to advocating for the importance of geospatial information – for example, through an Executive Order.	Appoint a steering committee.
Geospatial information is not accessible.			Establish a coordination unit and specialized working groups.
No mandate to share data.			
Weak link or communication gap between policy/political level and geospatial information expertise.		There is a requirement for a governance mechanism for coordinating geospatial information management that facilitates coordination and cooperation across agencies.	Develop a geospatial strategy.
Uncoordinated planning, design and implementation of development projects.			Implement governance model.
Fragmented/isolated institutions.		A strategy is needed to provide leadership, roles, responsibilities, and guidance across all levels of government.	Implement reporting framework.

2. Strengthening collaboration between national statistical offices and national geospatial agencies

Shared roadmap for the integration of statistical and geospatial information – Costa Rica

National statistical offices and geographic institutes have developed **roadmaps for the integration of statistical and geospatial information.**

(example from Costa Rica)

Activities in the areas of **institutional agreements, data management, and technological development** have been scheduled

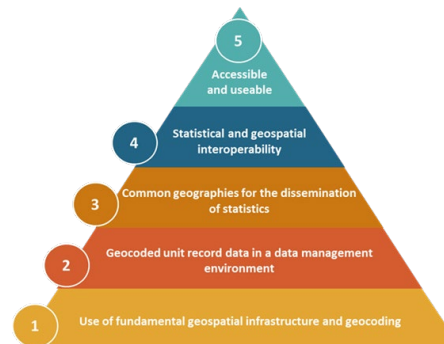
Schedule GSGF IGN-INEC						
Working group IGN-INEC						
Project start date				Schedule progress bar		
				2/5/2024		
Institutions GSGF						
Preparation of a technical and legal draft of an inter-institutional cooperation agreement.	IGN-INEC	85	100%	05/02/2024	04/30/24	
Formalization of the agreement or other document.	IGN-INEC	122	75%	30/04/2024	8/30/2024	
Develop an integrated schedule of activities.	ACV	135	75%	01/04/2024	8/14/2024	
Preparation and formalization of the document "Form for the publication of thematic geospatial information."	INEC	244	50%	30/04/2024	12/30/2024	
Preparation and formalization of the documents "Terms and Conditions for Incorporation into the National Territorial Information System" and the "Form for the Publication of Thematic Geospatial Information."	IGN	92	100%	30/04/2024	7/31/2024	
Creation of an inter-institutional working group for the coordination, exchange, and integration of information.	IGN-INEC	31	100%	30/04/2024	5/31/2024	
Identification of information-producing institutions and approval of the signing of agreements.	IGN-INEC	150	100%	03/06/2024	10/31/2024	
Establishment of a roadmap with information-producing institutions that incorporates resource needs. (PRELIMINARY LIST)	IGN-INEC	150	100%	03/06/2024	10/31/2024	

2. Strengthening collaboration between national statistical offices and national geospatial agencies

Memorandum of Understanding for the collaboration between ONE and IGN – Dominican Republic



We are pleased to report that in two countries, the Dominican Republic and Costa Rica, **statistical offices and geographical institutes have already formalized memoranda of understanding (MOU)** to define the terms of cooperation and ensure the long-term sustainability of the work.



These MOU commit the implementation of the five principles of the GSGF

2. Strengthening collaboration between national statistical offices and national geospatial agencies

Subregional workshop to share experiences in the collaborative work between NSO and NGIA - Cuba

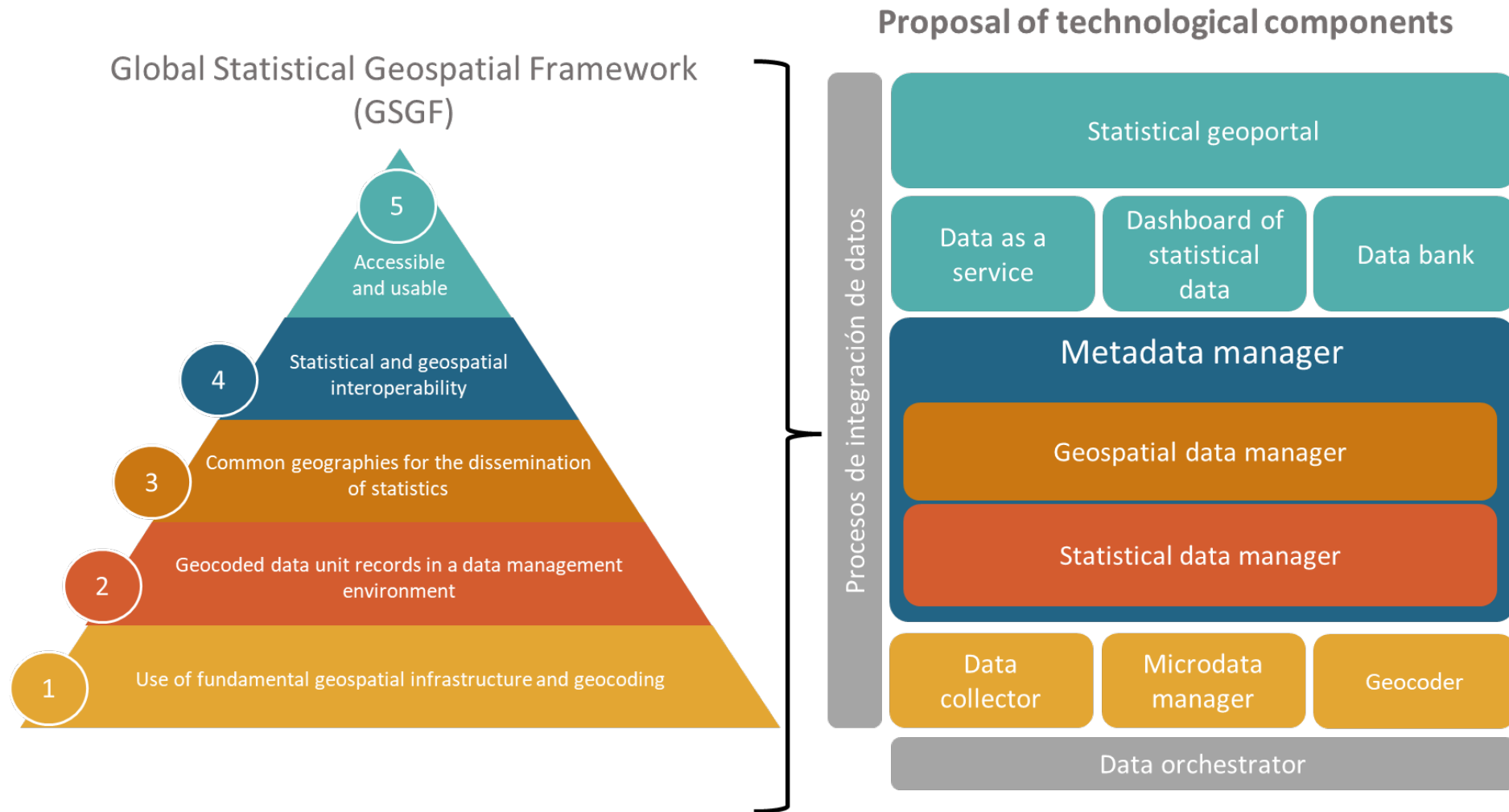


3. Implementing geoportals in national statistics offices

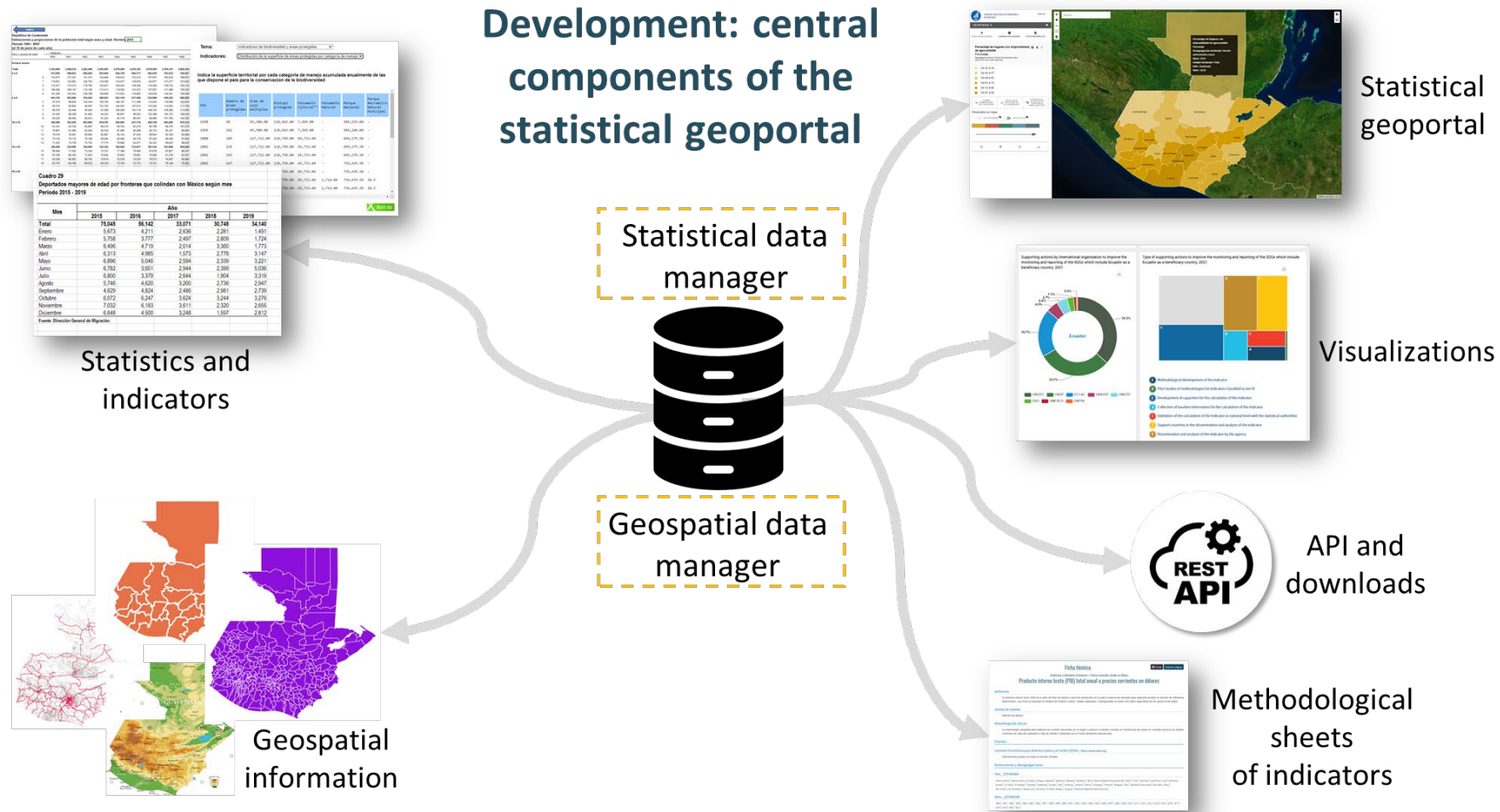
The beneficiary countries currently have a **powerful tool for disseminating data** generated by various statistical operations, disaggregated by territory, to support decision-making and public policies.



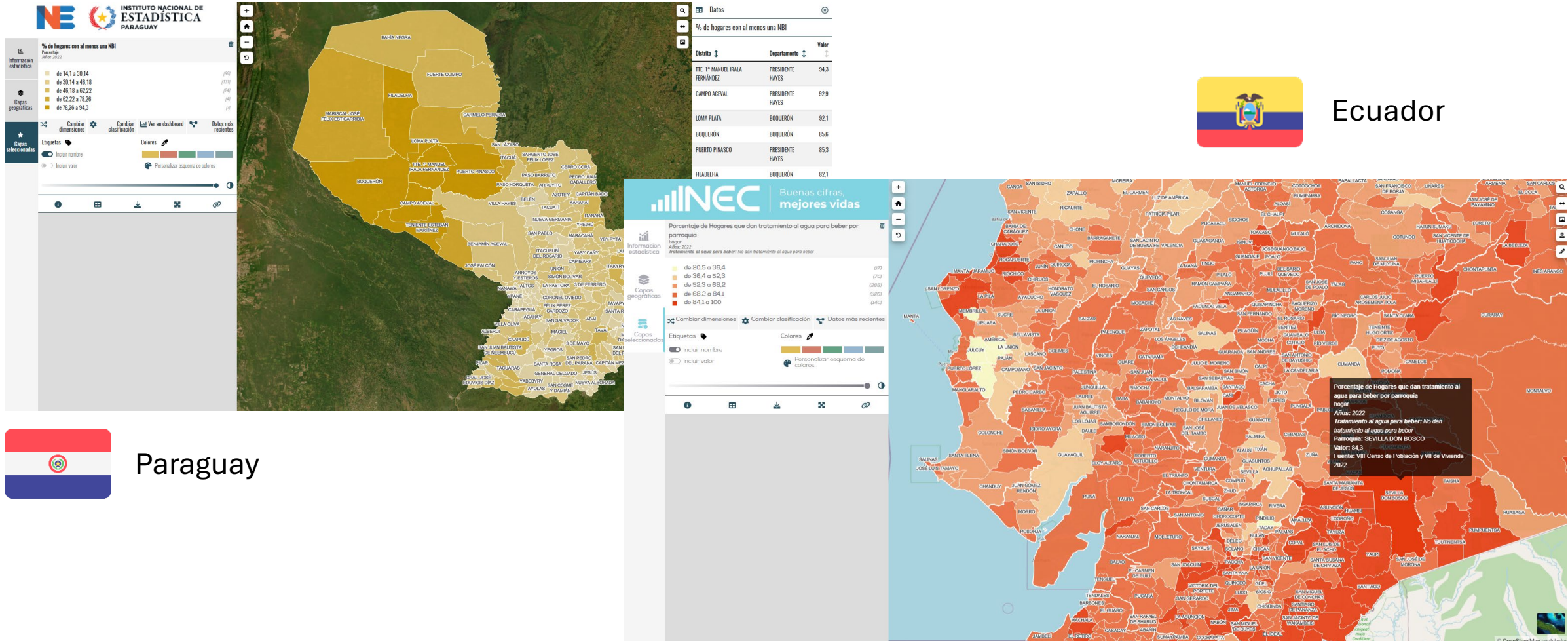
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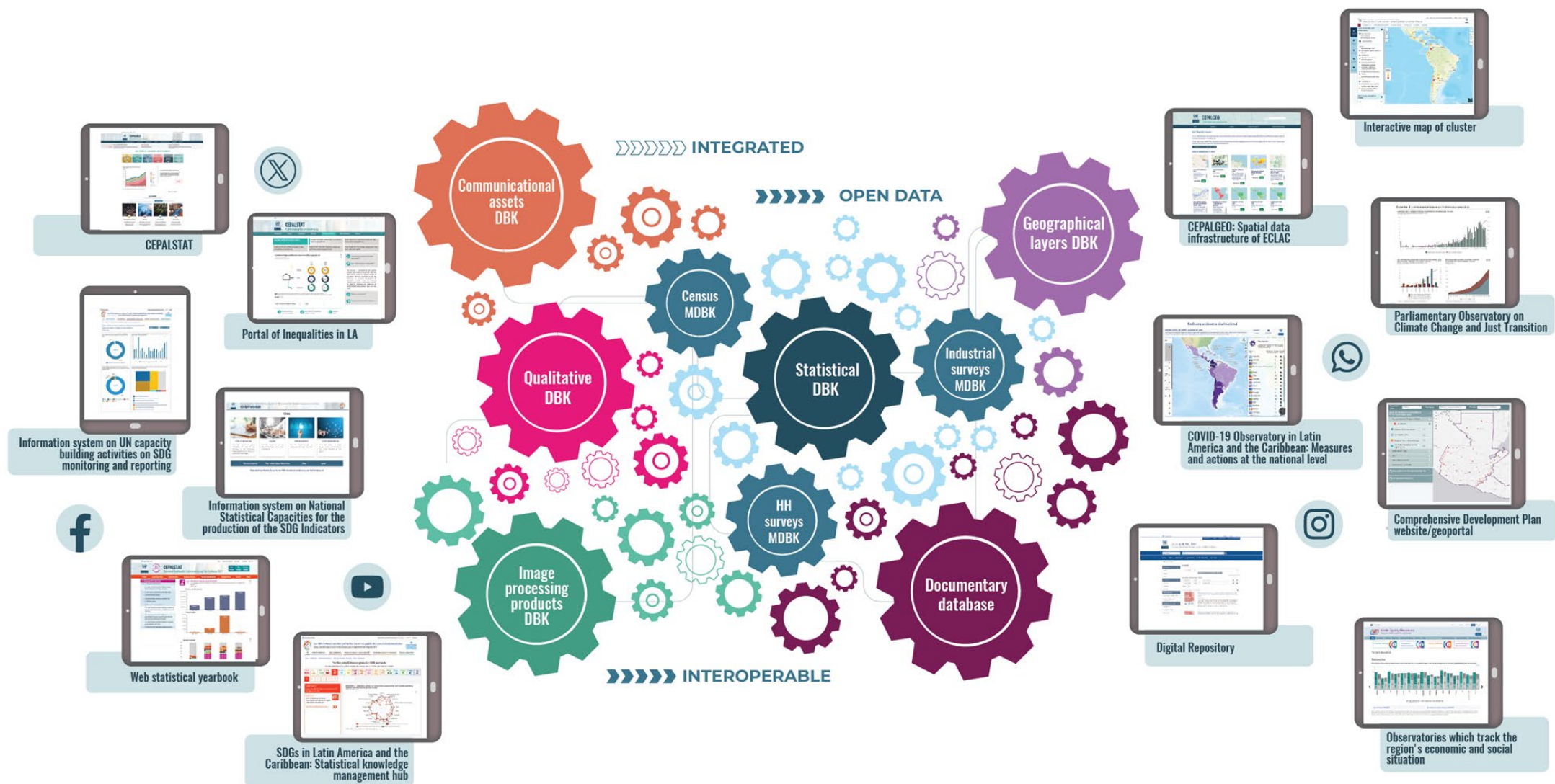
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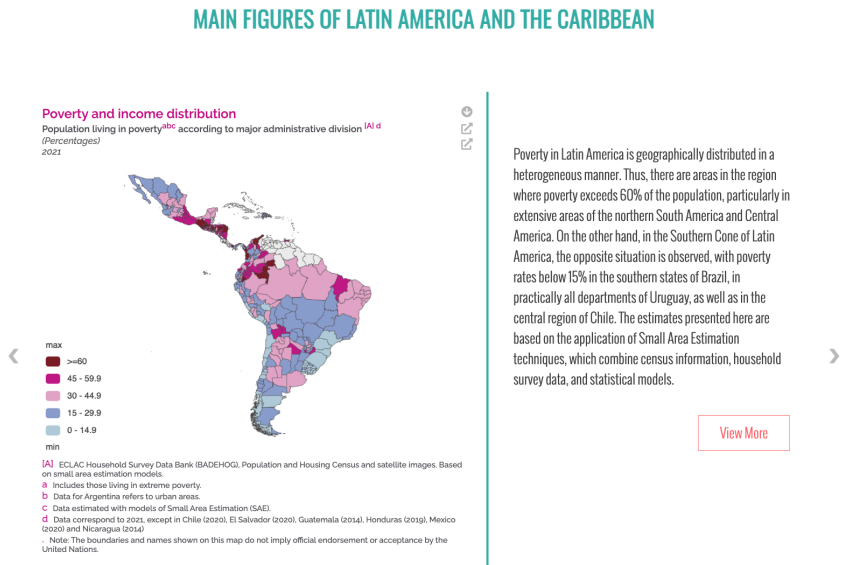
3. Implementing geoportals in national statistics offices



4. Enriching the regional ecosystem of statistical/geospatial data



4. Within this data and platform ecosystem, CEPALSTAT and CEPALGEO are the ones enriching the regional assets of geospatial and geostatistical information



4. CEPALSTAT systematizes and documents statistics from national official bodies, international agencies, and the different divisions of ECLAC.

CONTENTS

- ▶ Statistics and periodic indicators / Meta data
- ▶ Regional and national profiles / set of key indicators / analytical portals.
- ▶ Statistical publications / statistical annexes
- ▶ International methodological recommendations
- ▶ Most widely used International Classifications for statistical production

GEOGRAPHICAL COVERAGE

- ▶ 33 Member Countries and 14 Associated States of ECLAC in Latin America and the Caribbean

STRUCTURE



Demographic and social



Environmental



Economic



Multi-Domain

- ▶ SDG
- ▶ Gender
- ▶ Subnational and SAE
- ▶ Indigenous People and afro-descendants
- ▶ ...

SOURCES OF INFORMATION

- ▶ Official national and international sources / microdata of household surveys and population censuses.
- ▶ Information flow defined by the Statistical Commission within the framework of the International Statistical System.



Spanish/ English



Desktop / mobile



Compatibility across web browsers

4. CEPALGEO enables the discovery and remote access to a wide range of geospatial information products in the region and connects with the geoportal of CEPALSTAT

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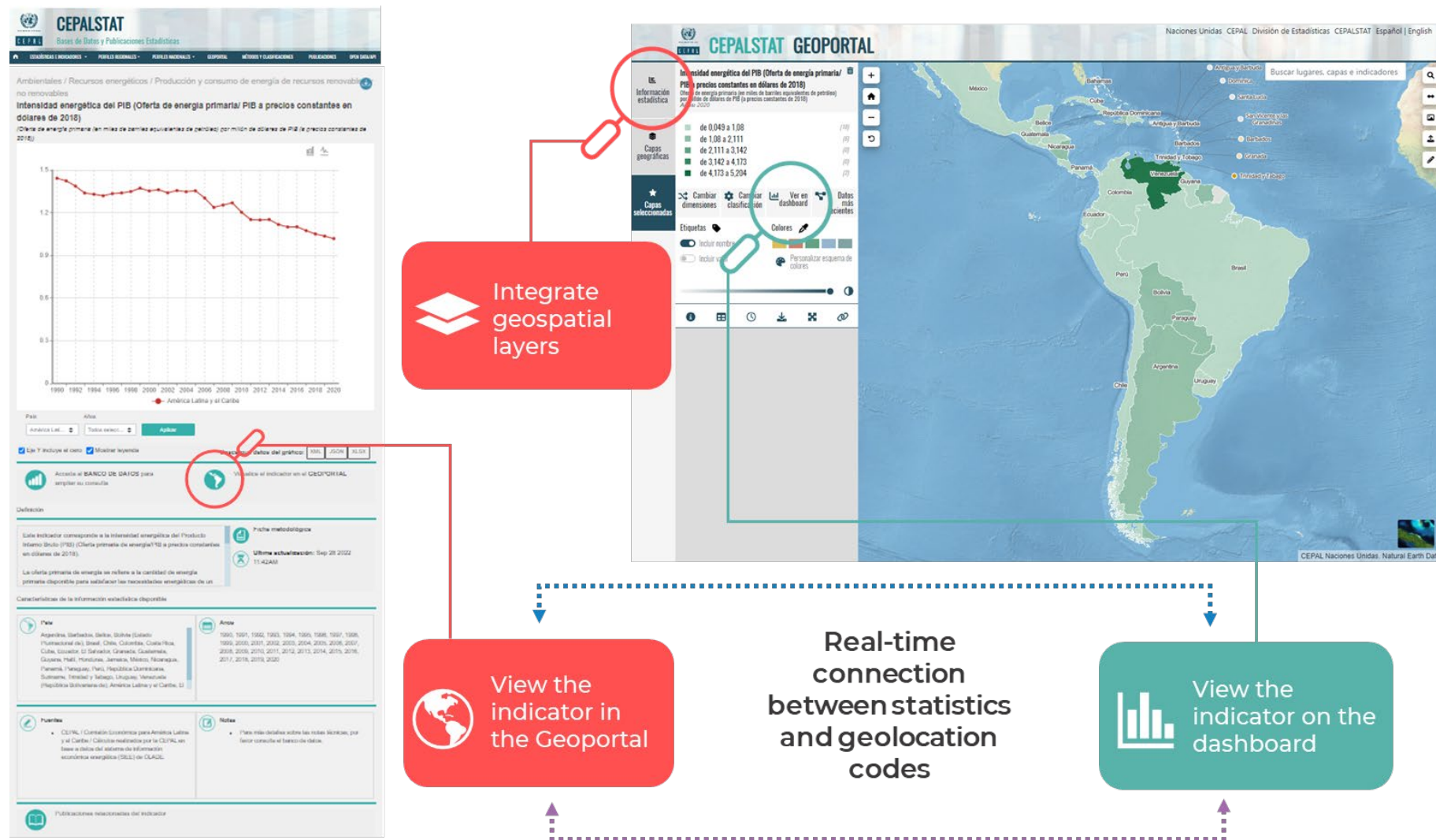


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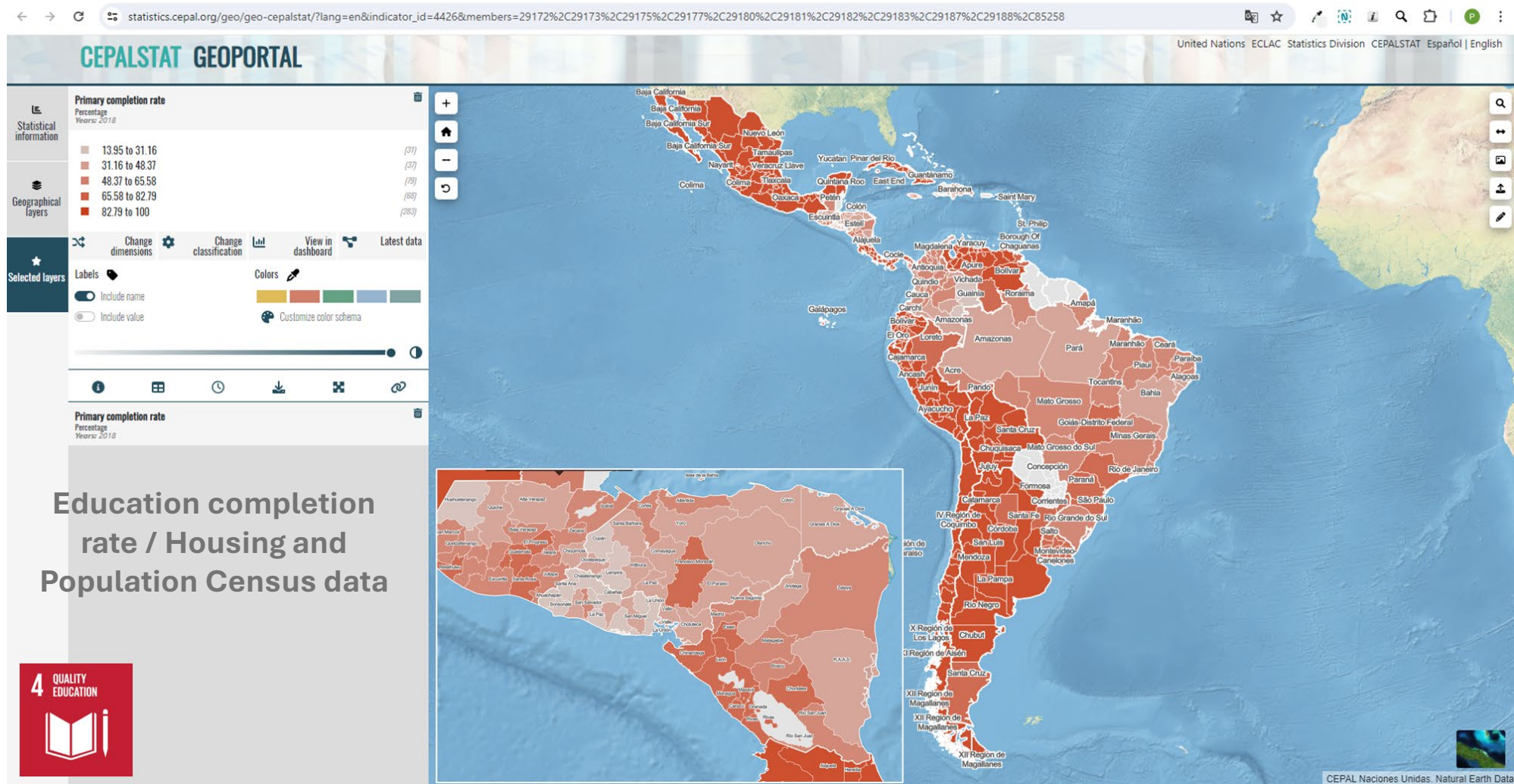


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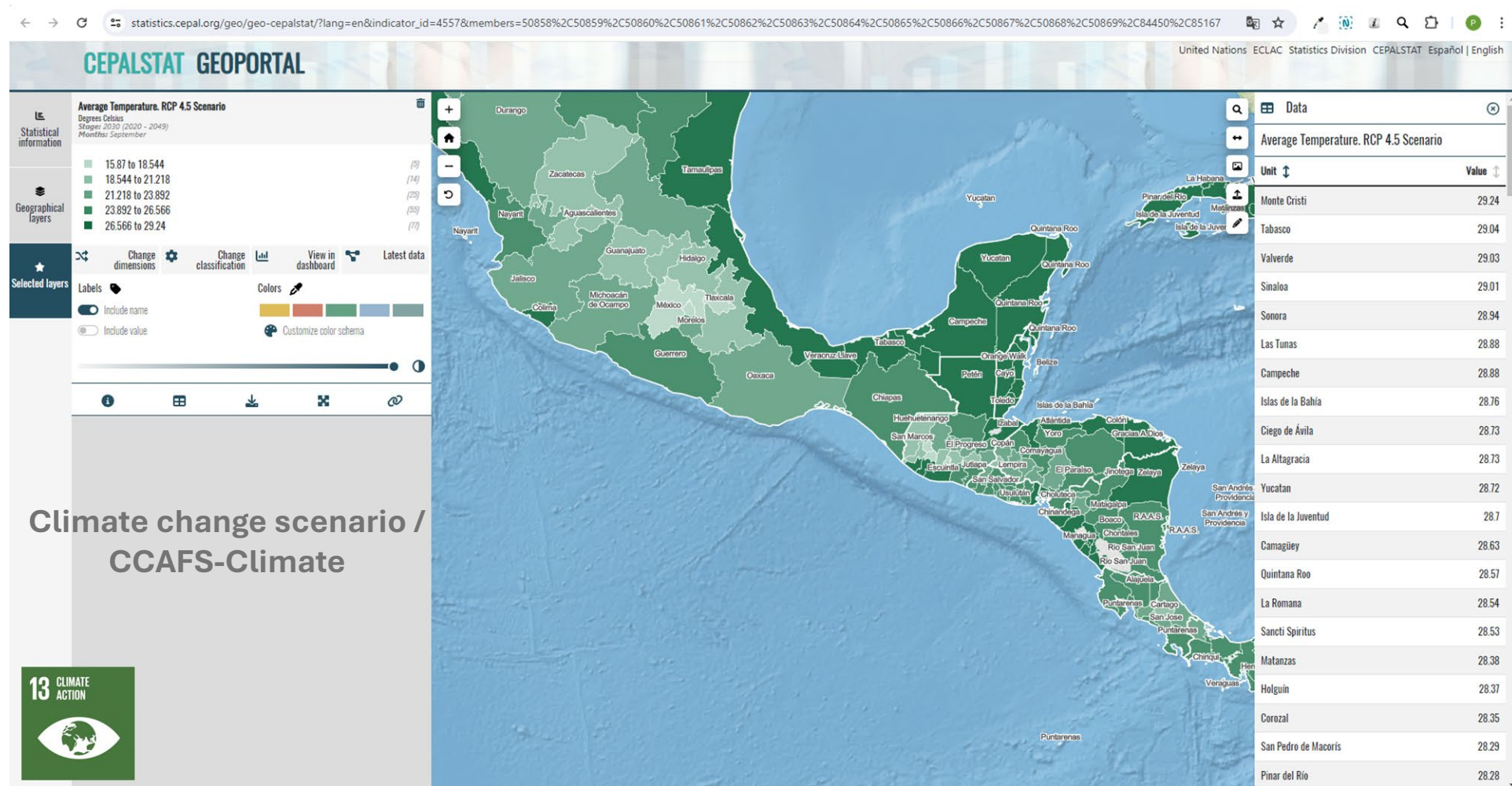
4. CEPALSTAT has a geospatial component “CEPALSTAT Geoportal” with the ability to make statistical and geospatial data interoperate



4. Here we show some examples of geospatially enabled statistical data disseminated through the CEPALSTAT Geoportal



4. Here we show some examples of geospatially enabled statistical data disseminated through the CEPALSTAT Geoportal



4. In complement to CEPALSTAT and its geospatial component ECLAC has implemented CEPALGEO as the ECLAC spatial data infrastructure



The image shows the CEPALGEO website interface. At the top is a header with the United Nations and ECLAC logos, the title "CEPALGEO ECLAC Spatial data infrastructure", and a search bar. Below the header is a dark navigation bar with links: HOME, BACKGROUND, GEOPORTAL, METHODOLOGY RESOURCES, and GEOSERVICES OCG/OPEN DATA. The main content area features a large banner for "CEPALGEO GEOPORTAL" with a map of Latin America and the Caribbean overlaid with various geospatial data layers. Below the banner are three service tiles: "LAYERS" (Search standardized geospatial metadata harvested from the SDI initiatives of the region), "EARTH OBSERVATION PRODUCTS" (Access to satellite images, earth observation products and platforms), and "GEOSPATIAL METHODOLOGICAL RESOURCES" (Methodological and technical documentation related to geospatial information management).

CEPALGEO
ECLAC Spatial data infrastructure

Search

HOME BACKGROUND GEOPORTAL METHODOLOGY RESOURCES GEOSERVICES OCG/OPEN DATA

CEPALGEO GEOPORTAL

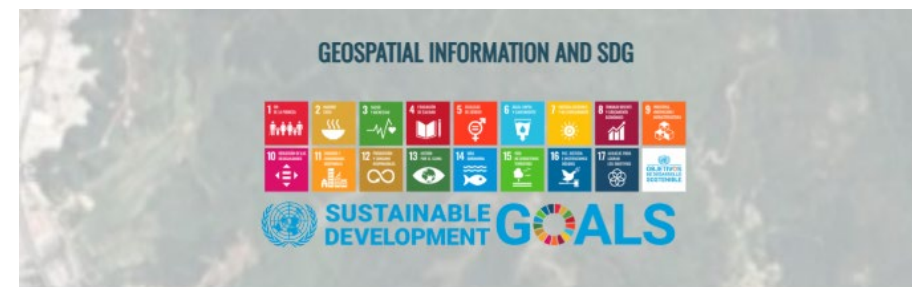
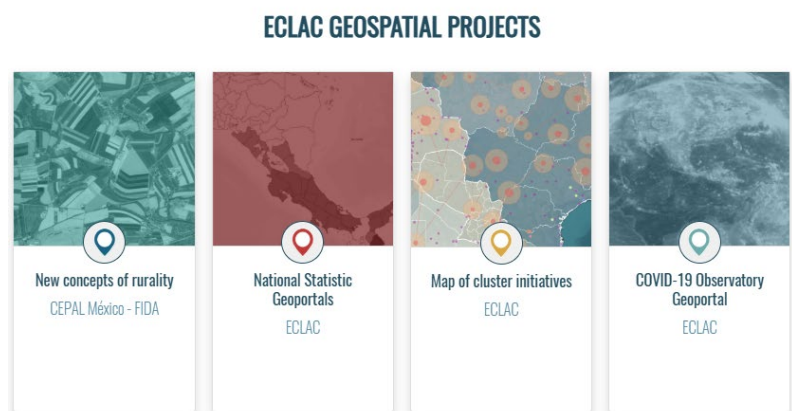
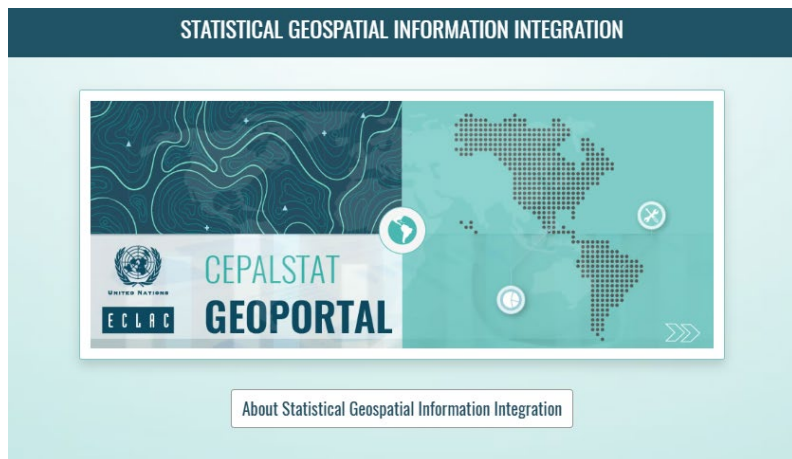
Deployment of geospatial layers in ECLAC Spatial data infrastructure viewer

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

EARTH OBSERVATION PRODUCTS
Access to satellite images, earth observation products and platforms

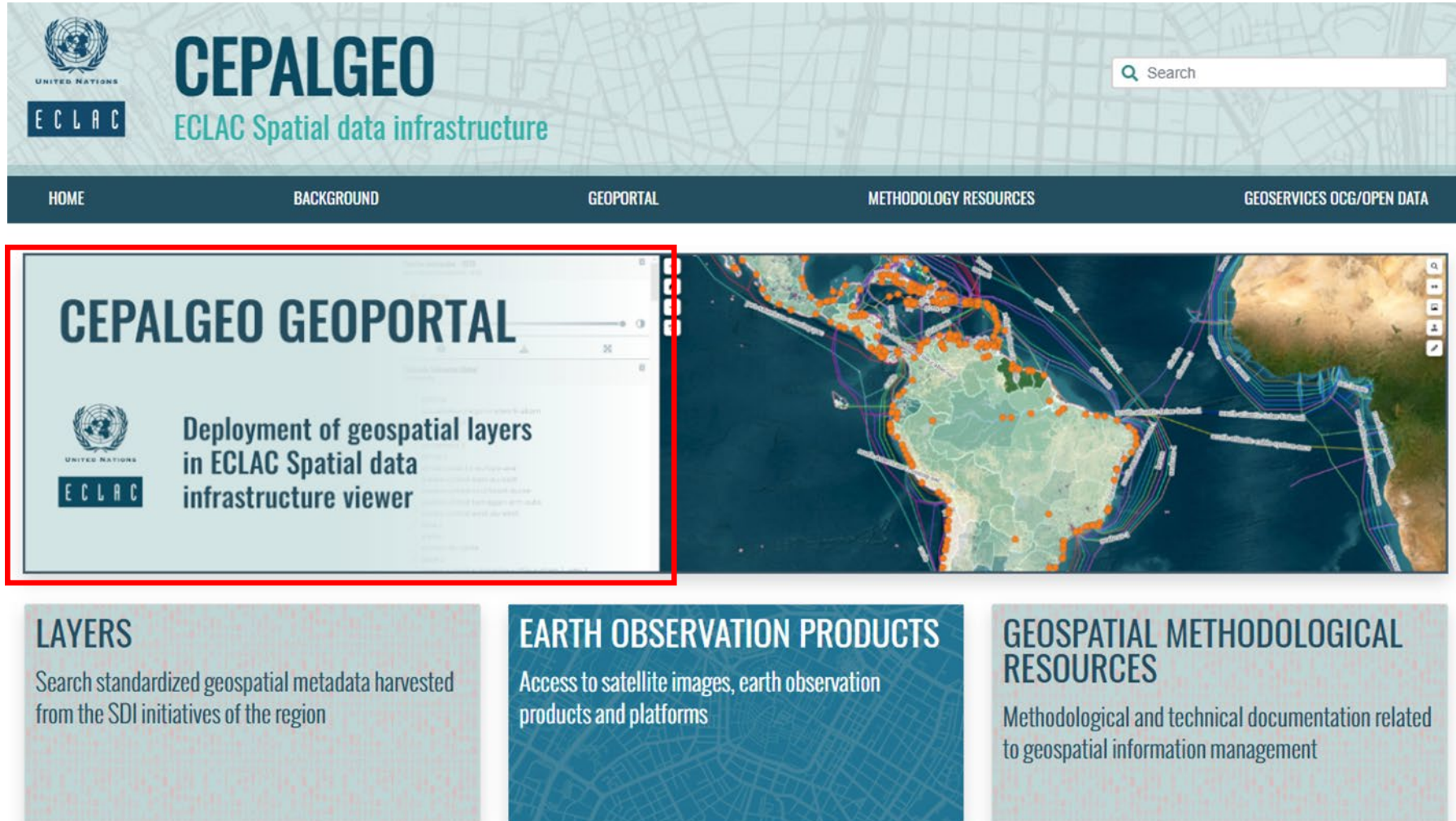
GEOSPATIAL METHODOLOGICAL RESOURCES
Methodological and technical documentation related to geospatial information management

4. Several resources (projects, documents, national SDIs websites) can be accessed through CEPALGEO



<https://geo.cepal.org/cepalgeo/home/index.html?lang=en>

4. CEPALGEO geoportal, through its viewer, allows accessing to diverse layers of geospatial information



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CEPALGEO
ECLAC Spatial data infrastructure

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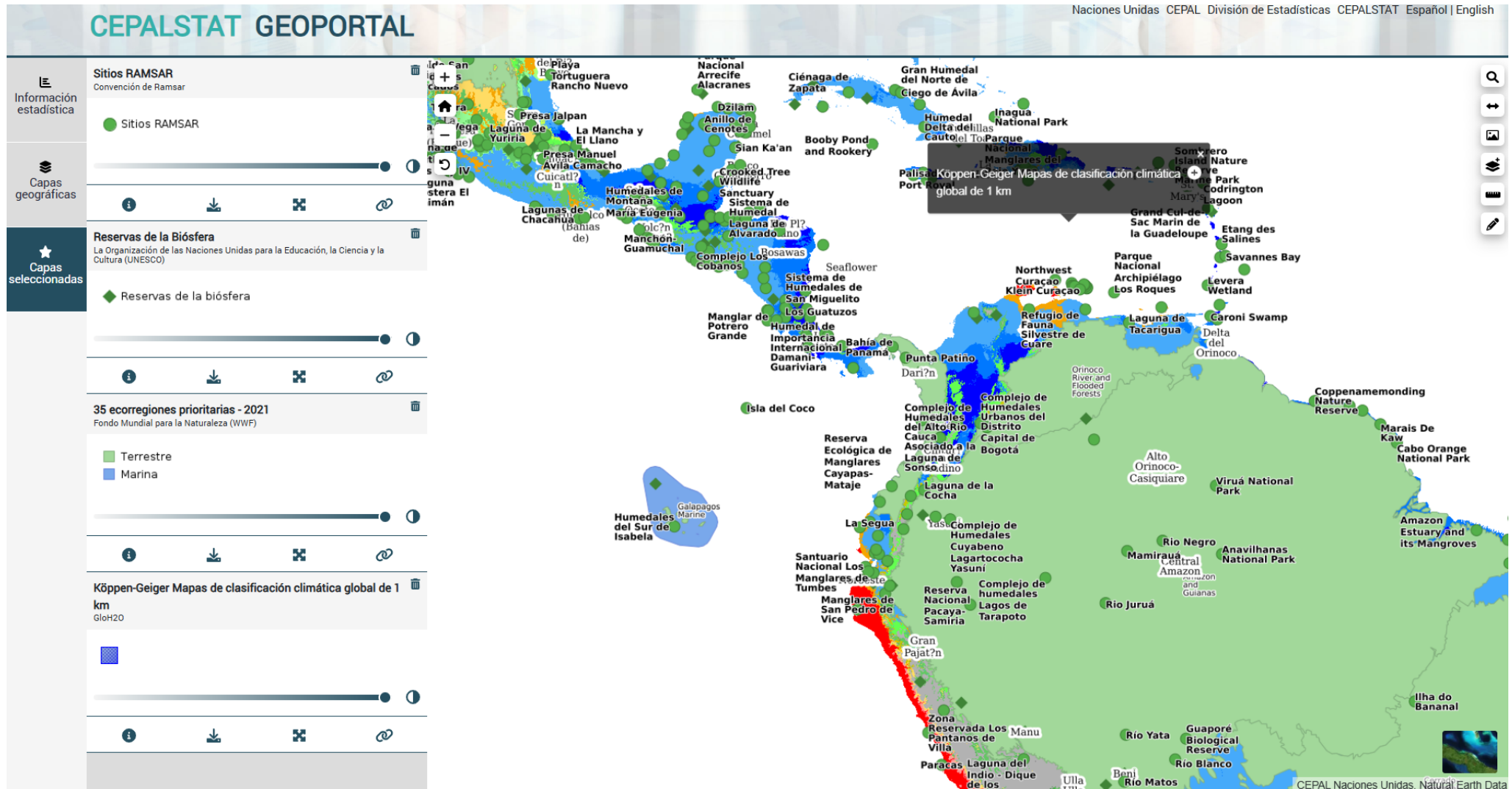
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5. Other relevant roles

- ✓ Technical Secretariat of the UN-GGIM: Americas Regional Committee
 - Provide technical support to the Executive Secretariat of UN-GGIM: Americas in the preparation of regional or subregional geospatial related events
 - Provide technical support at the annual meetings of UN-GGIM: Americas to have simultaneous interpretation.
 - Promote, disseminate and support the implementation of global frameworks, resolutions and decisions in the countries of the region.
 - Technically assist the activities of the working groups at the regional level.
- ✓ Member of the Capacity Development Working Group of the HLG-IGIF
- ✓ Member of the UN-Geospatial Network
- ✓ Member of the Expert Group on Integration of Statistical and Geospatial Information



UN-ECLAC: Mandates and current organization of the program of work in the geospatial field

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