



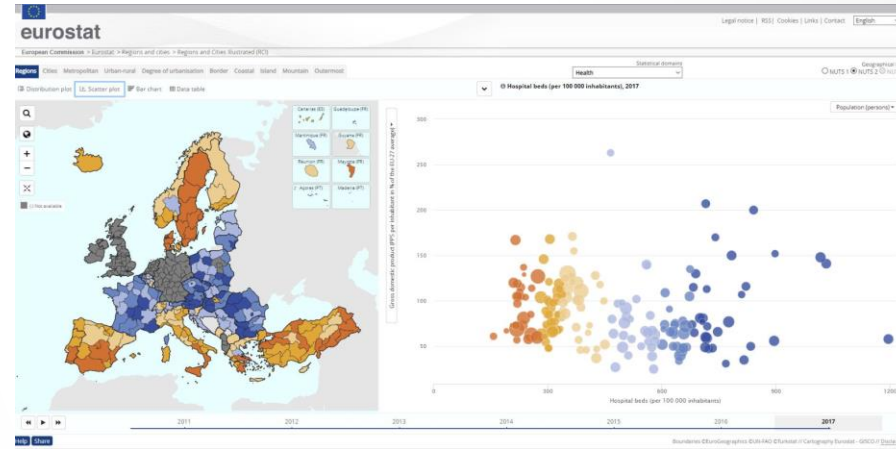
**UN GEOSPATIAL NETWORK**

UNITED NATIONS COMMITTEE OF EXPERTS ON  
GLOBAL GEOSPATIAL INFORMATION MANAGEMENT

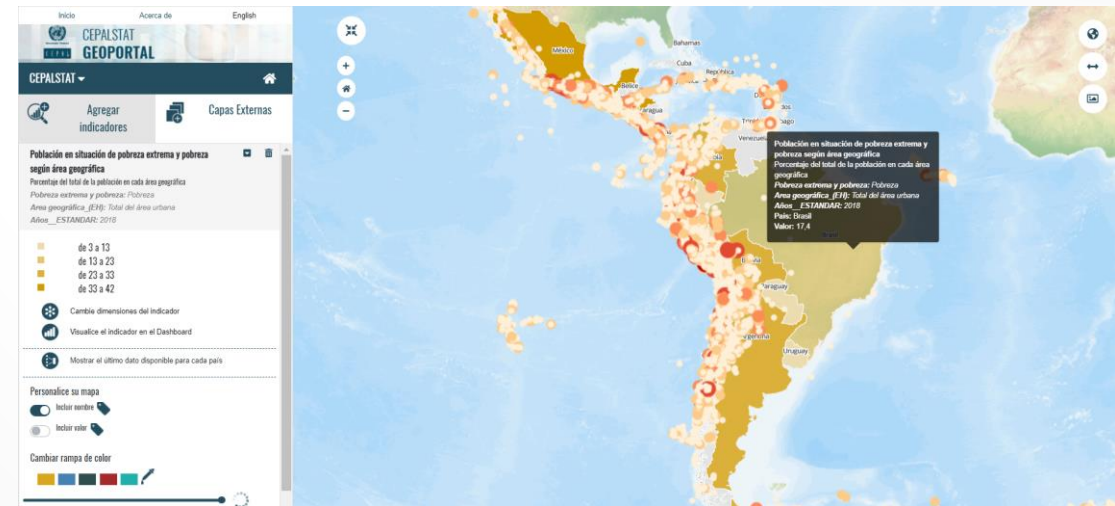
## Side Event of the UN Geospatial Network at the Eleventh Session of UN-GGIM

Strengthening geospatial management  
in Latin America and the Caribbean

# Strengthening Geospatial Capabilities of the National Statistical Offices to follow-up 2030 Agenda in Latin America and the Caribbean



Improve access to geostatistical data produced by National Statistical Offices (NSO) and facilitate its integration with other layers of geospatial information generated by public actors and non-governmental sectors at the country level, to better support decision-making and policies.



# Strengthening geospatial capabilities

GSGF

DA13



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## Facility. Expected outcomes of the project

- ▶ **Technological platforms for NSO** to **integrate data** from across a range of sources based on location, and ensure its integration with other **geospatial information**.



### Benefits:

- ▶ Supporting decision making
- ▶ Monitoring SDG indicators
- ▶ Data sharing and interoperability
- ▶ New data relationships
- ▶ Institutional collaboration
- ▶ Integration of new data sources
- ▶ International frameworks (GSGF)

## Facility. Beneficiaries of the project

- ▶ NSO from LAC countries that have initiated their processes to integrate statistical and geospatial information
- ▶ Paraguay, Dominican Republic, Ecuador, Argentina, Honduras, Guatemala, El Salvador and Costa Rica



**Some requirements should be considered regarding :**

- ▶ Institutional framework
- ▶ Data
- ▶ Human resources
- ▶ Technology



**CEPALSTAT** new interface seeks to improve the dissemination of the socio-demographic, economic and environmental statistics available for the region.



**OPEN source**



**Desktop/ mobile**



**Compatibility across  
browsers**

**New design / Better experience in site navigation**

**+ CONTENTS**



**OPEN Data**

**+ FUNCTIONALITIES**




# CEPALSTAT NEW INTERFACE


Gateway to the statistical information of Latin America and the Caribbean countries, collected, systematized and published by ECLAC.

**DATA BANK**  
Access CEPALSTAT statistical information


Search indicators Find the indicator you need




**Demographic and Social**  
Population, motherhood, employment, education, housing and basic services, health, social public expenditure, poverty, income distribution, and more.



**Economic**  
National accounts, domestic prices, productivity and labour costs, balance of payments, trade, external sector, external debt, financial and monetary sector, and more.




**Environmental**  
Physical conditions, ecosystems and biodiversity, environmental quality, energy resources, biological resources, water resources, emissions to the air, natural extreme events, and more.




**Multi-Domain**  
SDGs, gender, cities, indigenous people and afro-descendant population, social cohesion, youth, ICTs, agricultural activity, and more.

**REGIONAL AND NATIONAL STATISTICAL PROFILES**  
Selected indicators



**REGIONAL PROFILES**

Demographic and Social Economic Environmental Energy SDG



**COUNTRY PROFILES**

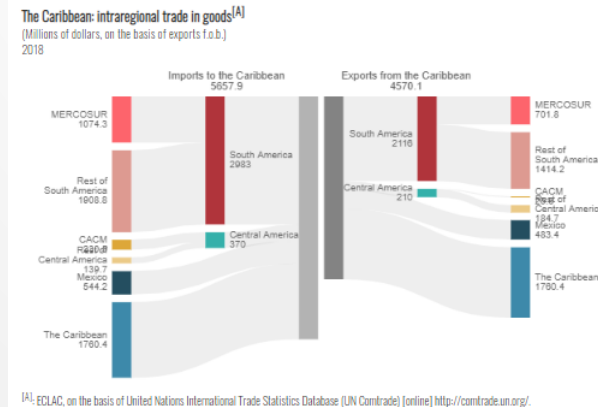
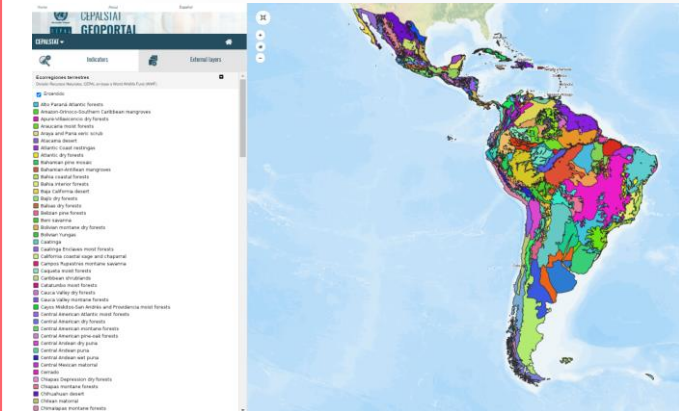
Demographic and Social Economic Environmental Energy Gender

Select Country

**ACCESS THE TERRITORIAL DIMENSION OF CEPALSTAT**

**CEPALSTAT GEOPORTAL**

Open Data/API Massive data access for developers. Online applications.



Access the latest version of the Statistical Yearbook in its different versions.

 **Web Version**  
 **Electronic Version**  
 (Tables of the Statistical Yearbook)  
 **PDF Version**



# New Functionalities

## DASHBOARD

## GEOPORTAL

## TABULATOR

### Statistics and Indicators Environmental

#### Physical conditions

##### Atmosphere, climate and weather

Mean temperature change

##### Geological and geographical characteristics

##### Land cover, ecosystems and biodiversity

##### Environmental quality

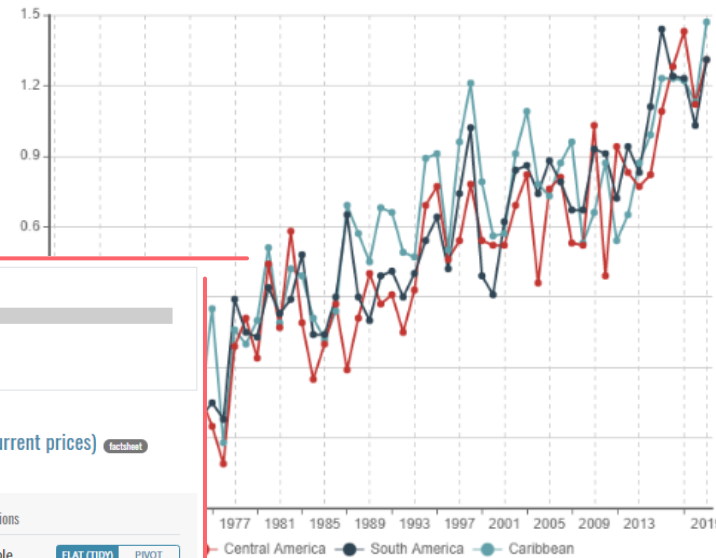
##### Energy resources

##### Land

Environmental / Physical conditions / Atmosphere, climate and weather

### Mean temperature change

(Degrees celsius)



Selected indicators

Public expenditure according to the classification of the functions of government (local currency at current prices)

+ add indicator - remove indicator

DEMOGRAPHIC AND SOCIAL / SOCIAL / SOCIAL PUBLIC EXPENDITURE

Public expenditure according to the classification of the functions of government (local currency at current prices) **Dashboard**

Country

search...

- ☒ Argentina
- ☒ Bahamas
- ☒ Barbados
- ☒ Bolivia (Plurinational State of)
- ☒ Brazil

Select all

Clear all

Years

search...

- ☒ 2018
- ☒ 2017
- ☒ 2016
- ☒ 2015
- ☒ 2014

Select all

Clear all

Options

Table **FLAT (TIDY)** PIVOT

Organize data

Rows  
Institutional coverage  
Country  
Classification of the functions of go...

Columns

Years

Institutional coverage

search...

- ☐ Central government
- ☐ General government
- ☒ Nonfinancial public sector

Select all

Clear all

Classification of the functions of government

search...

- ☒ Environmental protection
- ☒ Social expenditure
- ☐ Housing and community amenities
- ☐ Health
- ☐ Recreation, culture and religion

Select all

Clear all

Costo económico de los desastres, por tipo de desastre  
Miles de dólares  
Tipo de desastre: Relacionados con cambio climático  
Años: ESTANDAR: undefined  
País: Brasil  
Valor: 53000

# Capacity building in the countries to better manage and visualize statistical data supported by a Geospatial platform

## Leverage regional assets in LAC

- ▶ New interface CEPALSTAT
- ▶ Regional cooperation agreements and roadmaps
- ▶ Lesson learned of technical cooperation activities

## Develop and implement national geostatistical portals able to interoperate with CEPALSTAT

- ▶ Open data
- ▶ Use of API's
- ▶ Data storage
- ▶ Metadata management
- ▶ Data visualization

## Incorporate EUROSTAT experience and knowledge

- ▶ Efforts of Eurostat to promote integration of statistical and geospatial information through the initiative GISCO
- ▶ GISCO activities to achieve a fully geocoded 2021 census
- ▶ European countries experience in implementing geo-statistical portals

## Capacity building

- ▶ Integration of geospatial and statistical information
- ▶ Data management through the geoportal functionalities
- ▶ Geoportal administration functionalities

## Facility

### Target countries

- Argentina
- Ecuador
- Dominican Republic
- Paraguay
- Guatemala
- Honduras
- El Salvador
- Costa Rica

36 months  
(June 2021 – June 2024)

### Expected outcomes

Implementation of a **geostatistical visualization technology platform**, in accordance with interoperability standards and supporting integration.

## DA13

### Target countries

- Argentina
- Ecuador
- Dominican Republic
- Paraguay
- Costa Rica

36 months  
(June 2021 – June 2024)

### Expected outcomes

Capacity building for the implementation of the **Global Geospatial Statistical Framework** (GSGF), and other standards and methodologies that facilitate integration and interoperability

## DA12

### Target countries

- Antigua and Barbuda
- Belize
- Dominica
- Surinam

42 months  
(January 2020 – June 2023)

### Expected outcomes

Establish an accessible **statistical and geospatial database** that allows to **prevent and respond** efficiently and resiliently to a disaster



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## Contacts

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