

Informing Climate Change and Sustainable Development Policies with Integrated Data

BILBAO. SPAIN 10-14 JUNE 2024 #UNBigData2024



12 June 2024

Digital technologies to integrate statistical and geospatial data for informed decision-making at the local level

AUTHOR Rolando Ocampo

ORGANIZATION Statistics Division, Economic Commission for Latin America and the Caribbean (ECLAC)















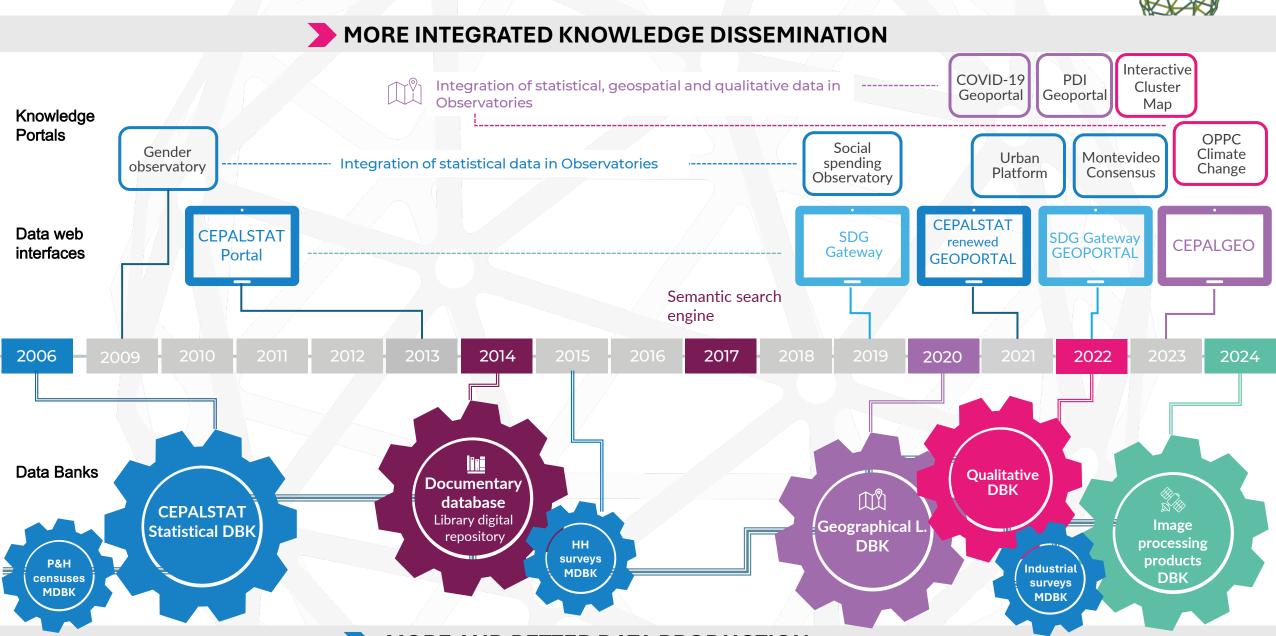
Since the adoption of the 2030 Agenda, ECLAC has been working in the production and dissemination of SDG data

- Traditional sources of statistical information.
- Integration of statistical and geospatial data.
- Implementation of methodological procedures to obtain data at the subnational level.
- Promotion of the development of administrative registers for statistical purposes.

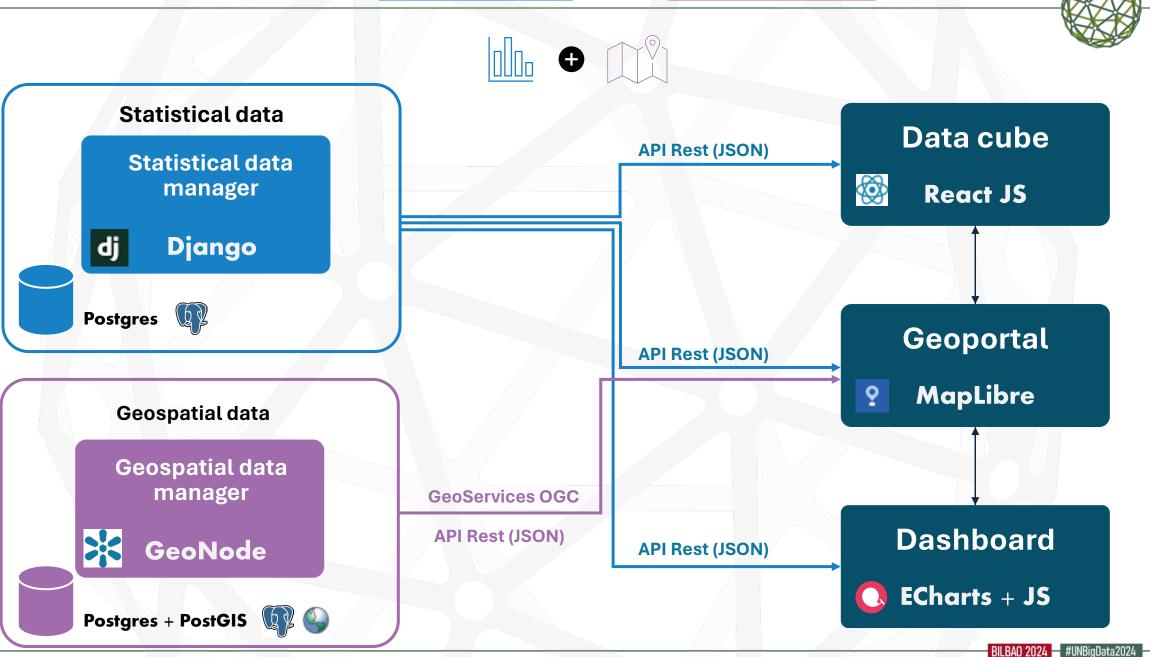


Continuous process of implementing innovative solutions to collect, produce, integrate and disseminate statistical information



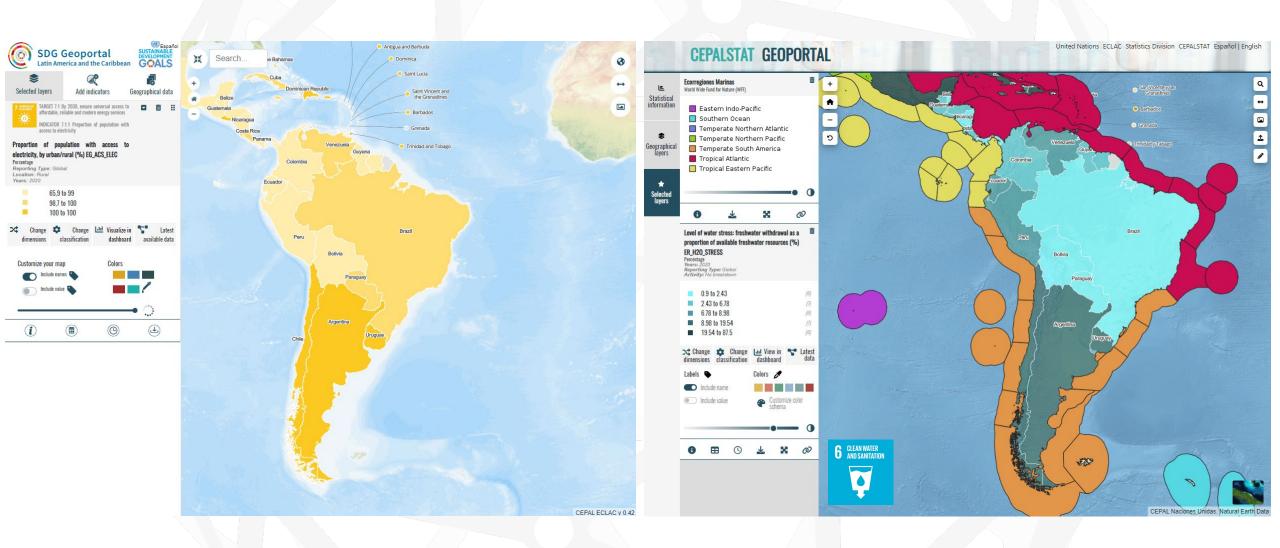


Integrating Statistical and Geospatial data

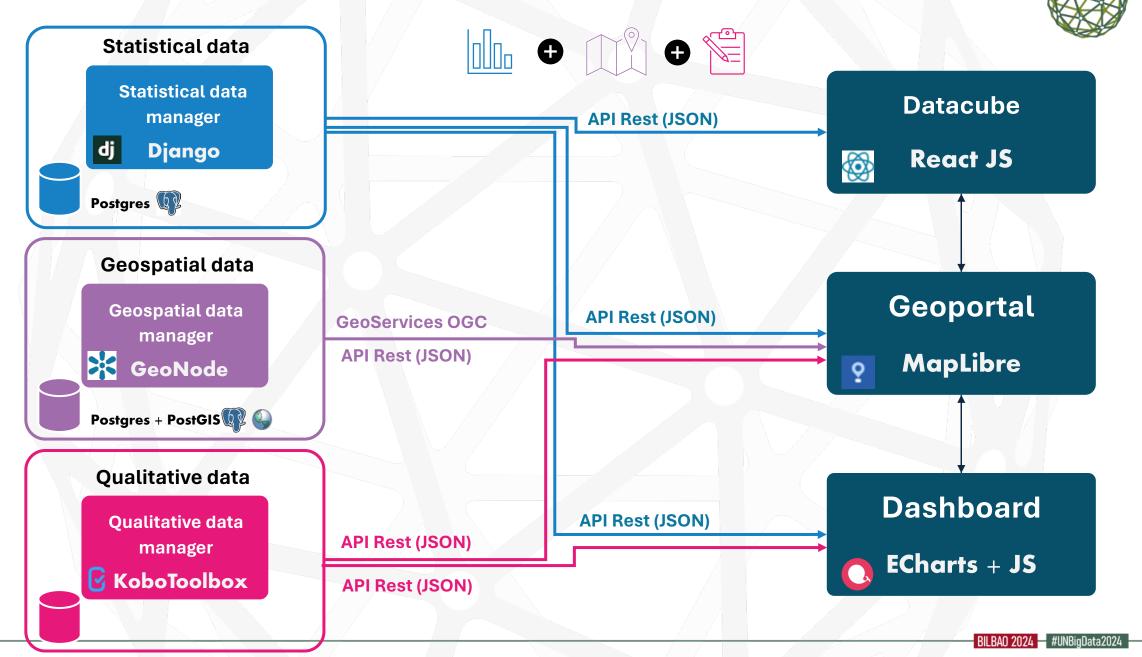


Integrating Statistical and Geospatial data

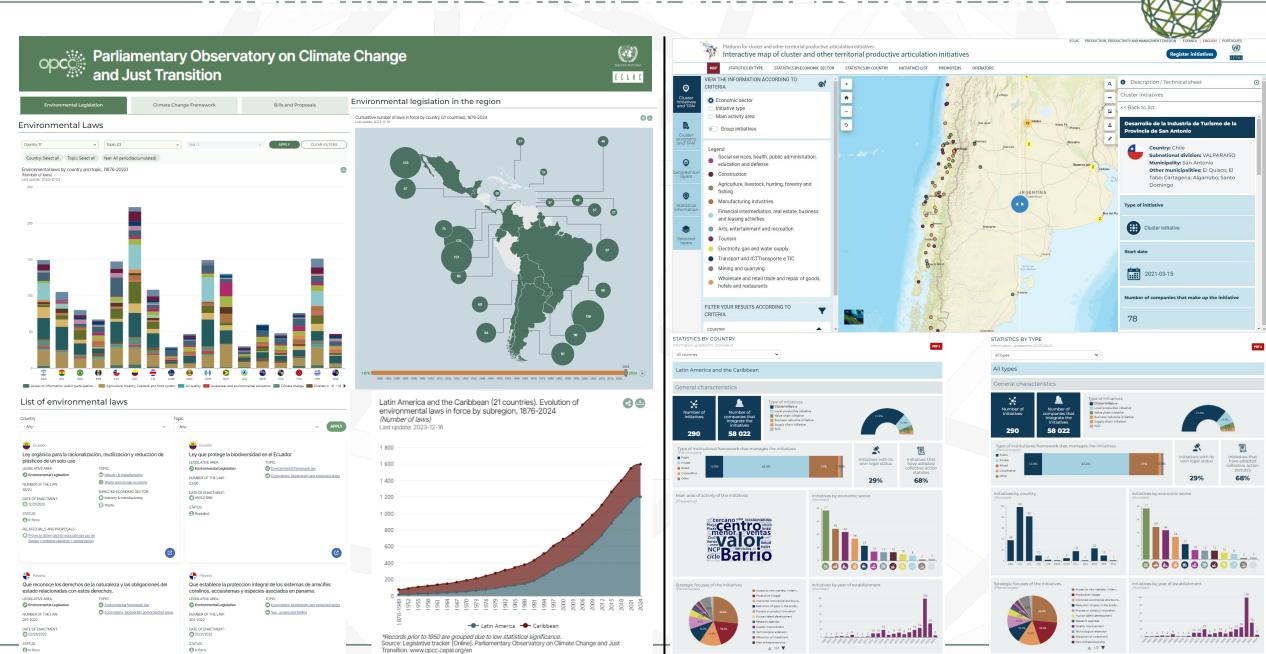




Integrating Statistical, Geospatial and Qualitative datas



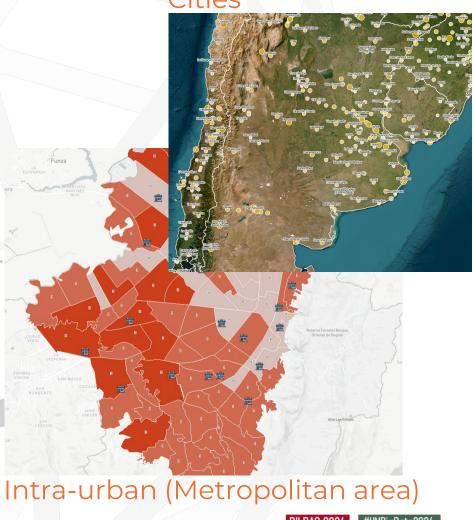
Integrating Statistical, Geospatial and Qualitative data



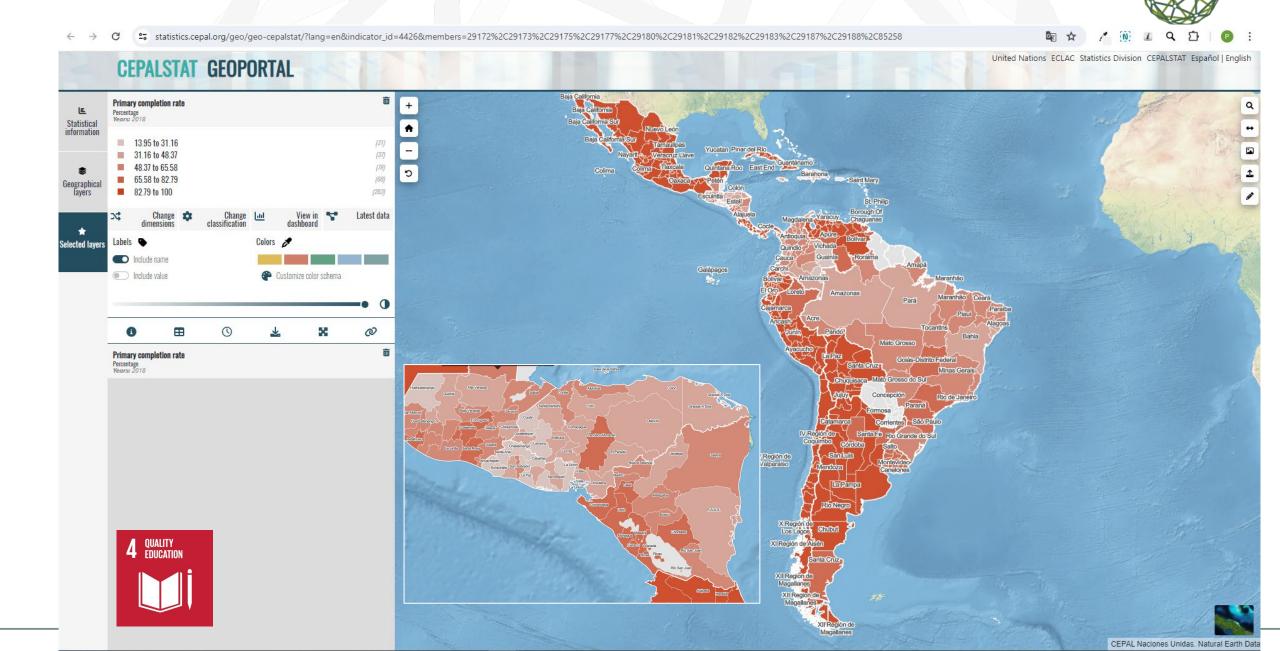
Integrating information at subnational level



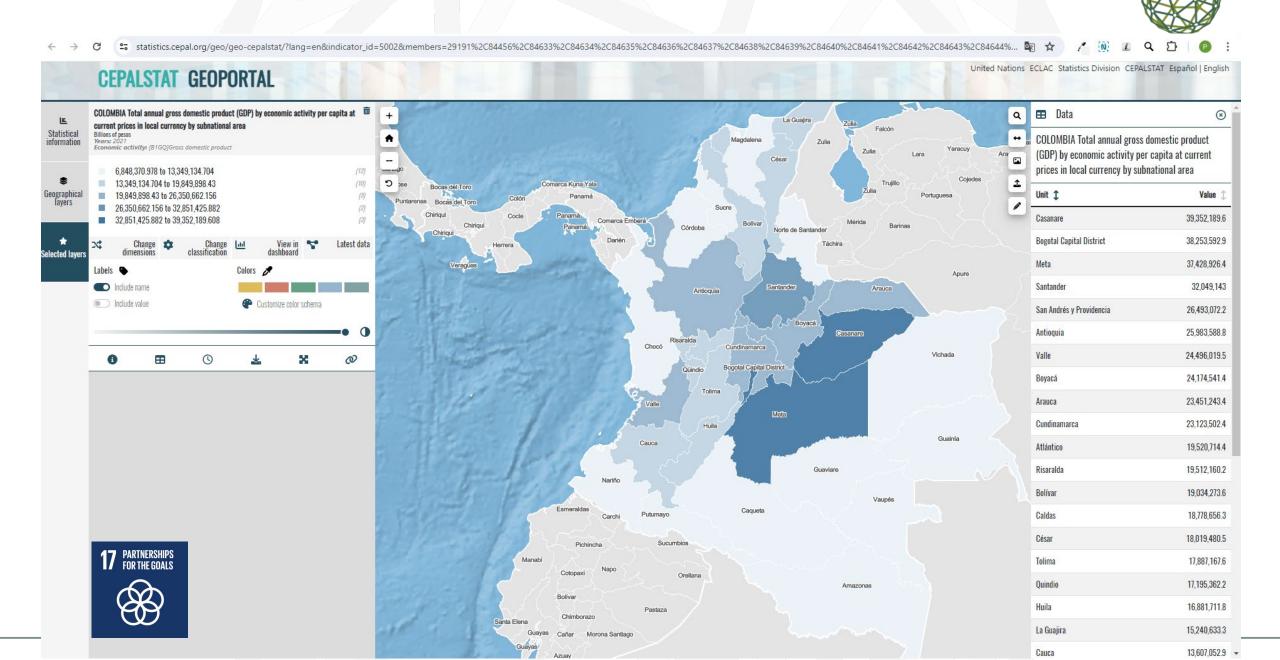




Education completion rate / Housing and Population CENSUS data

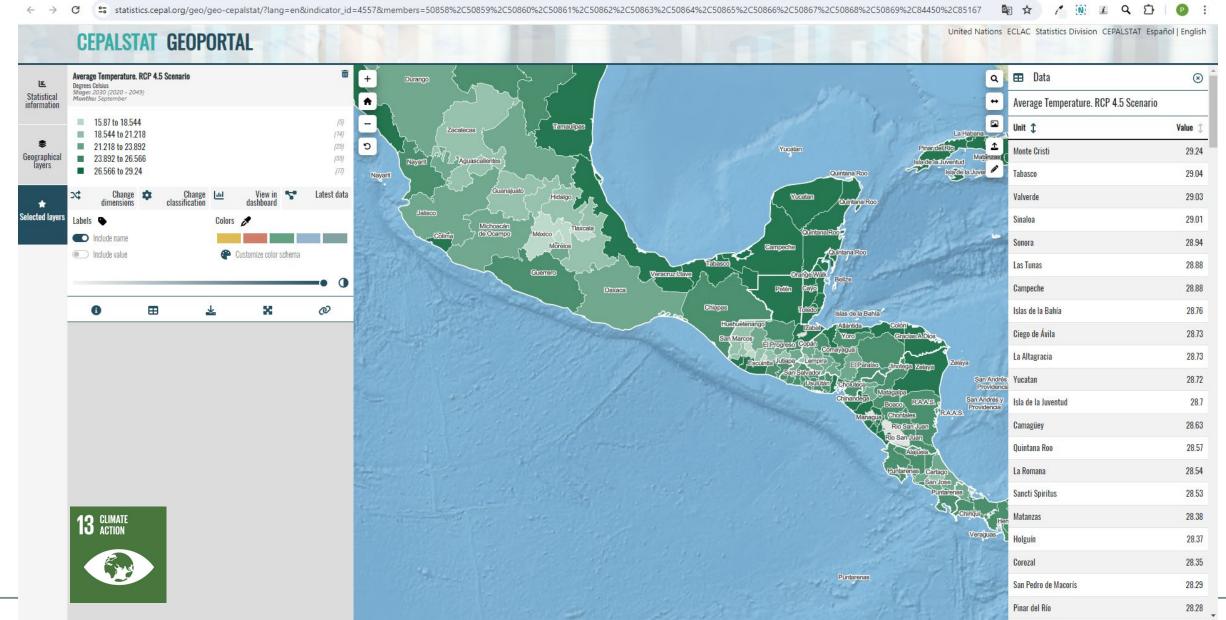


GDP by economic activity/ Sub-national accounts



Climate change scenario / CCAFS-Climate





Integrating satellite image, Geospatial and Statistical data





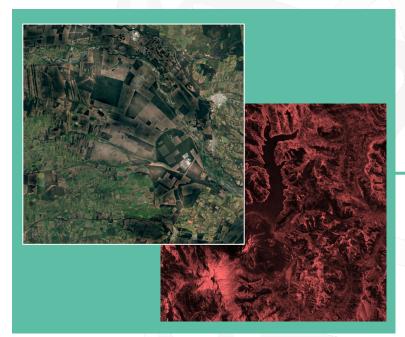








Indicators update





Statistical data **API Rest** manager Django Geospatial data manager **API Rest** GeoNode

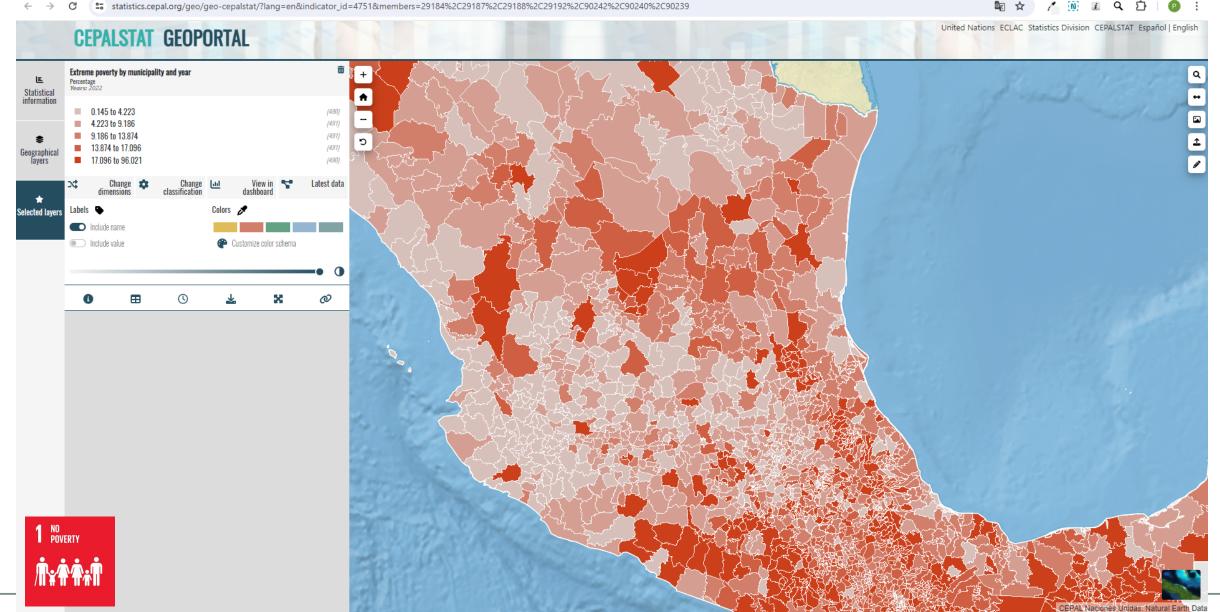
Periodic collection of Satellite data

New geographical layers

Extreme poverty by municipality/ SAE



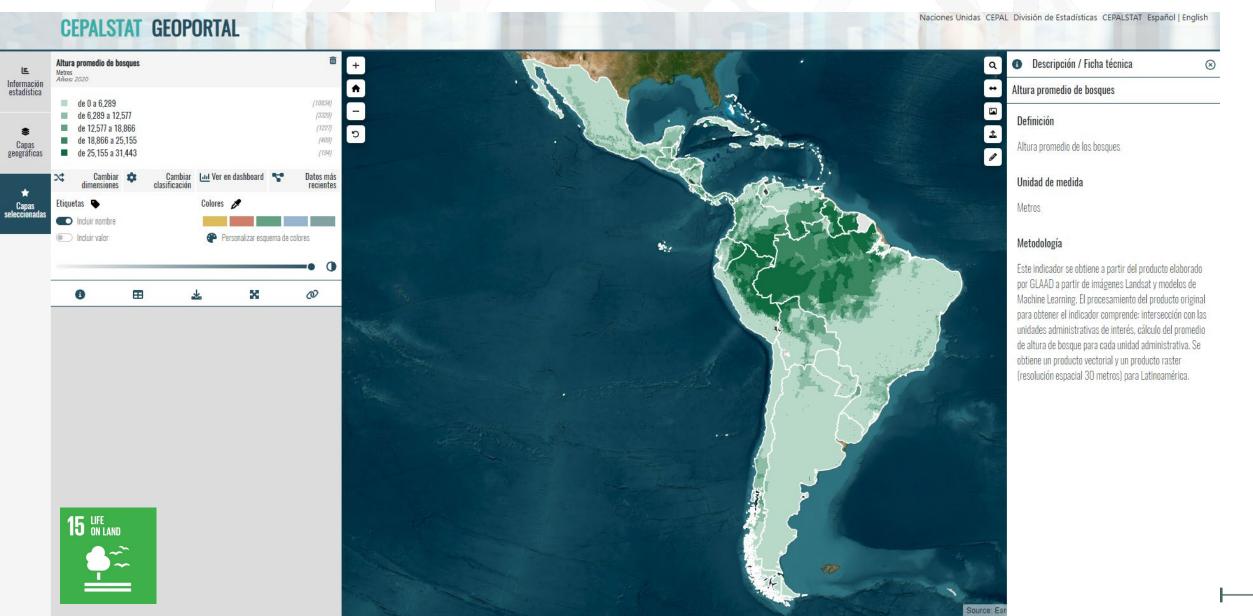




Average height of forests by municipality /



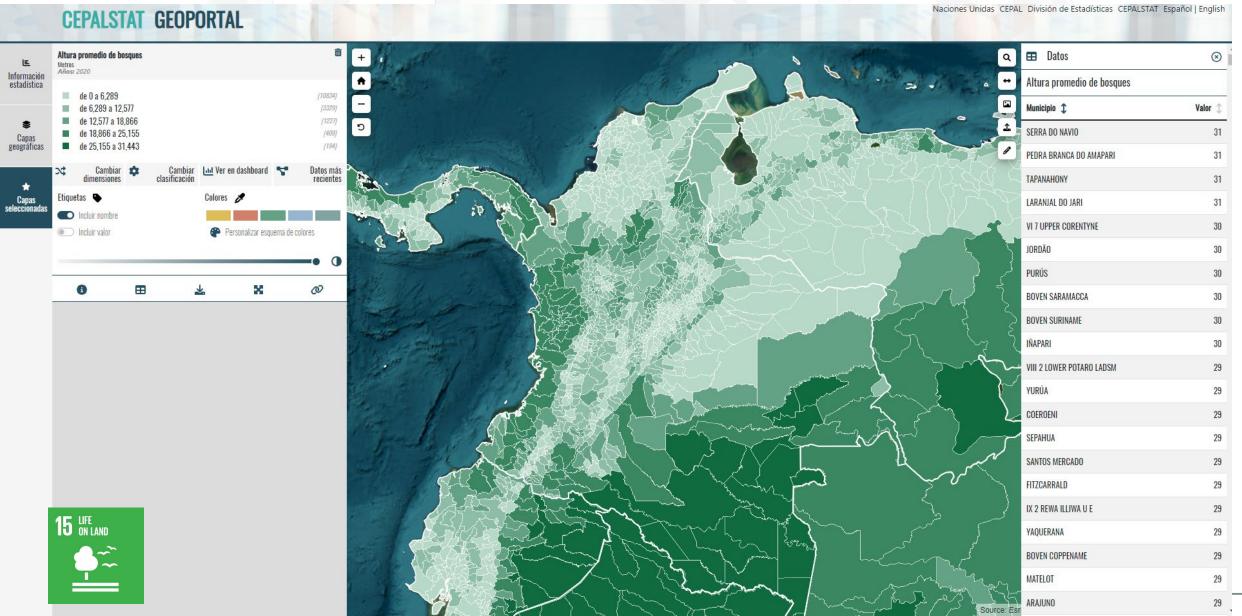




Average height of forests by municipality



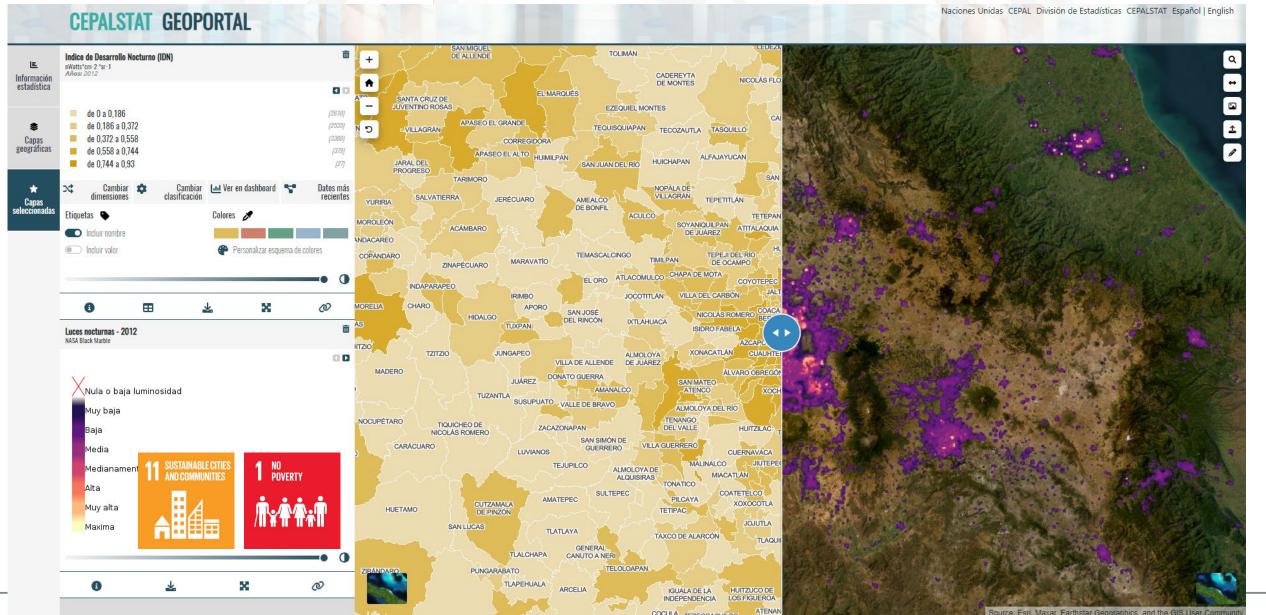




Night Lights Index by municipality

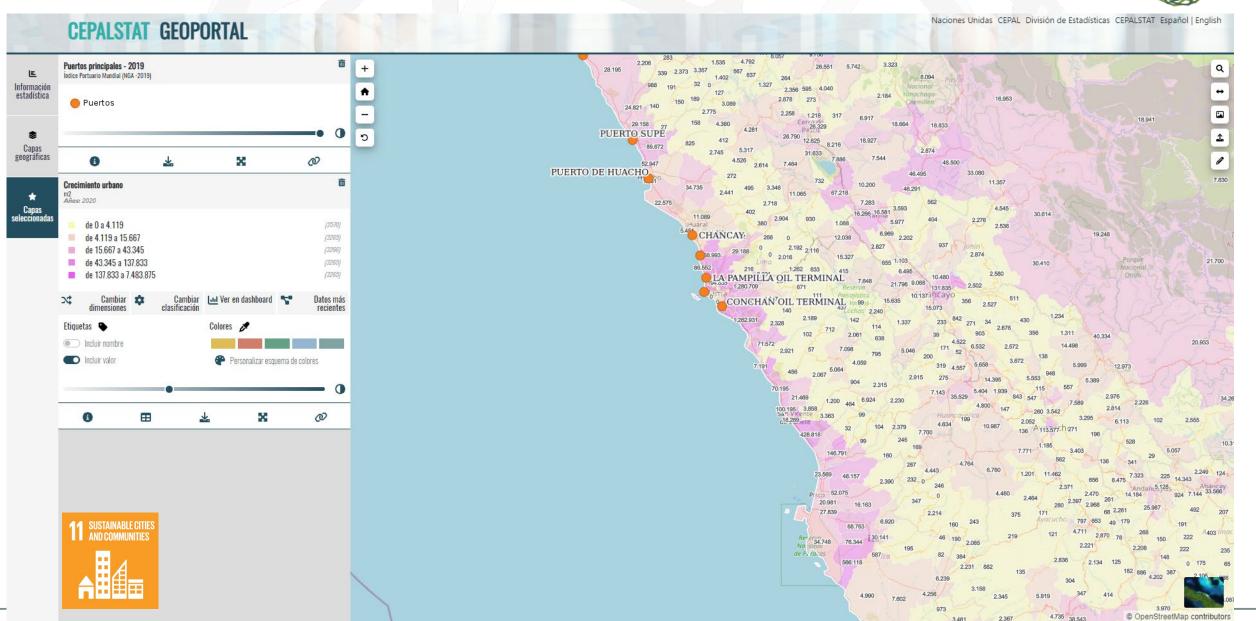




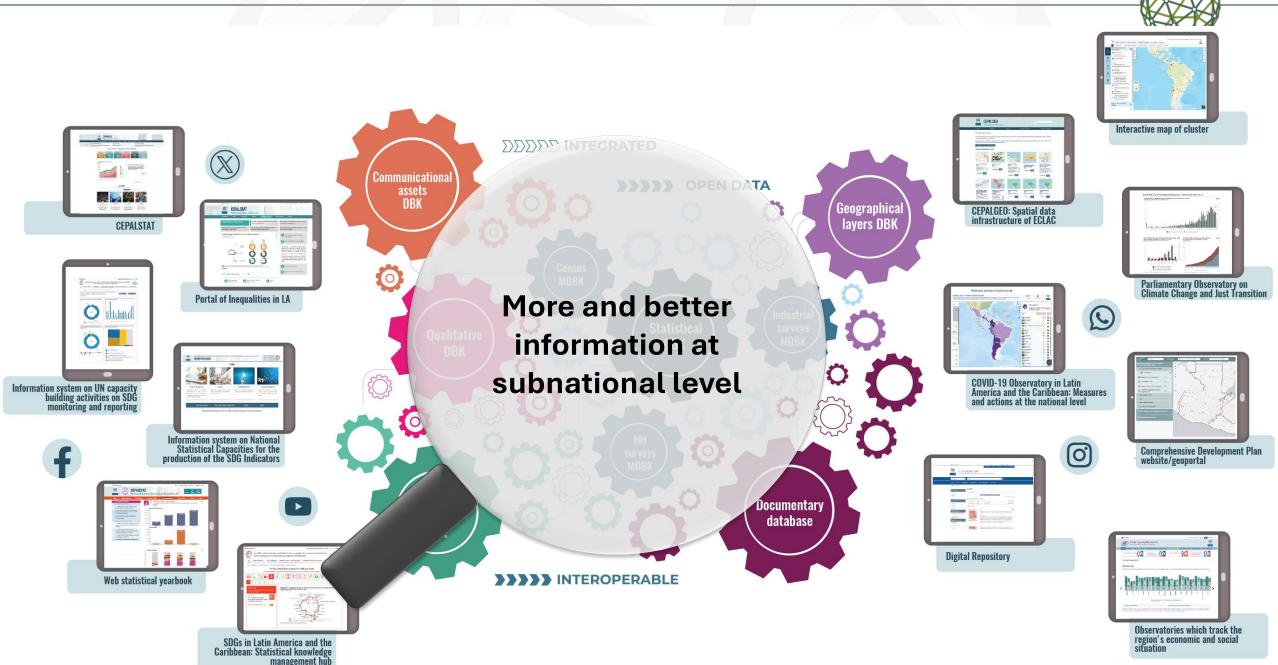


Urban expansion by municipality and ports localization / (Integrating satellite image, geospatial and statistical data)





Consolidated ECLAC data ecosystem and web data platforms





Informing Climate Change and Sustainable Development Policies with Integrated Data

BILBAO. SPAIN 10-14 JUNE 2024 #UNBigData2024



12 June 2024

Digital technologies to integrate statistical and geospatial data for informed decision-making at the local level

AUTHOR Rolando Ocampo

ORGANIZATION Statistics Division, Economic Commission for Latin America and the Caribbean (ECLAC)













