Final regional workshop of the project 2023Q "Caribbean SIDS relevant climate change and disasters indicators for evidence-based policies"

May 10-12, 2023

#### Platform for resilience

Francisco Jiménez, Consultant

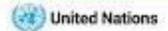
Environment and climate change statistics unit / Statistics Division



#### Introduction



United Nations Day 24 October 2022





## **Definition**

The resilience platform is an application developed for institutions and civil society, that may provide, consult or download geographic and statistical information, which serves as a basis for analysis, tactics and strategies in disaster prevention and response.



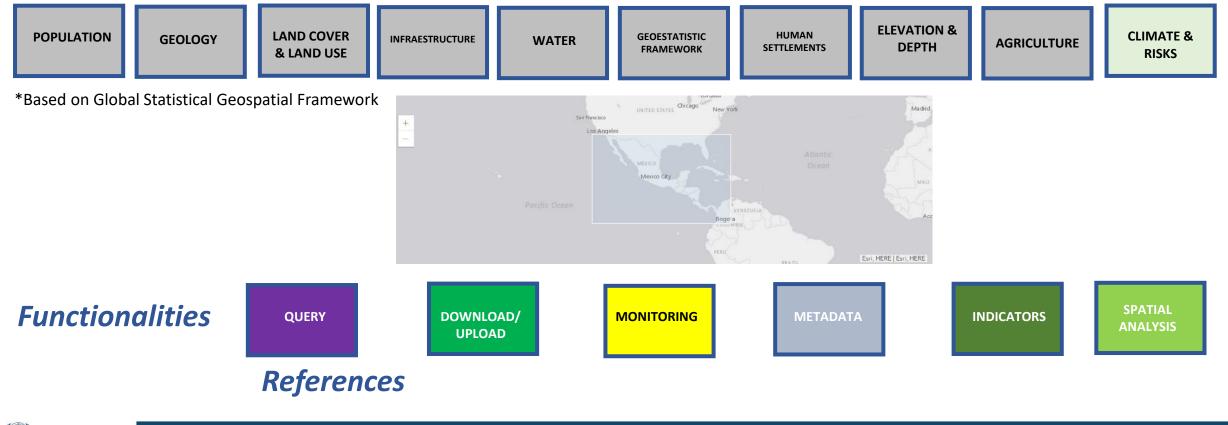
# Conceptual model

#### **Events**

- GeophysicalHydrological
- Meteorological
- Antropogenic

- Biological
- Chemical
- Technological
- Socials

#### Context \*



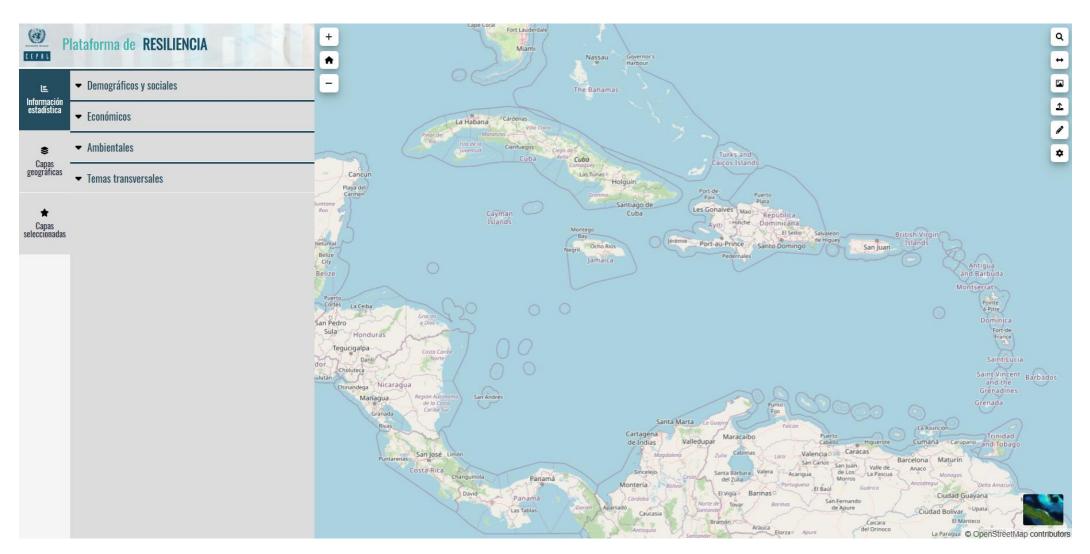
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### **Some relevant features**



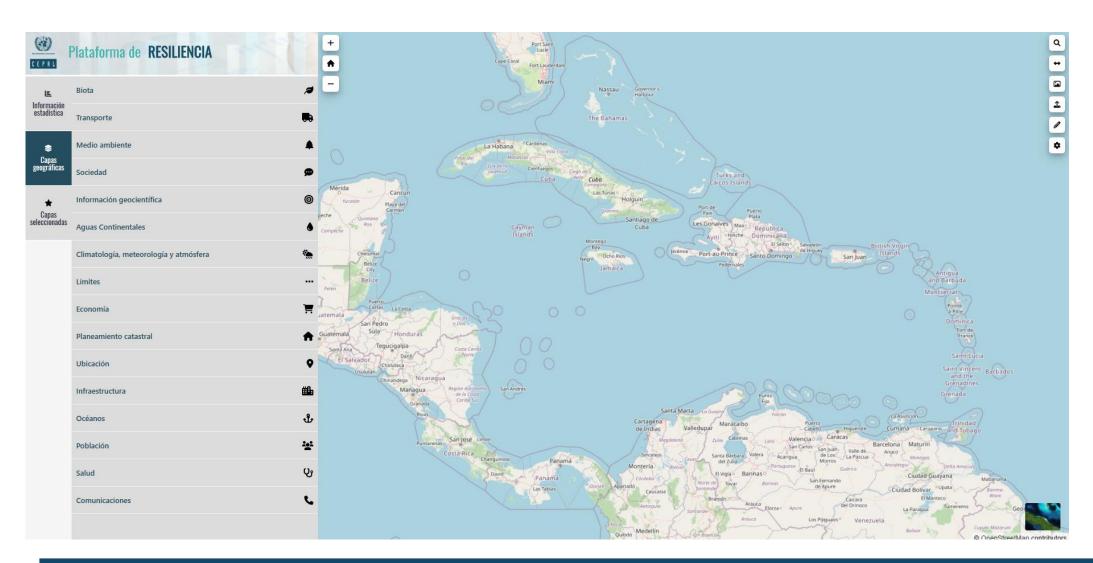


# **Content** 1/3 Statistic information:





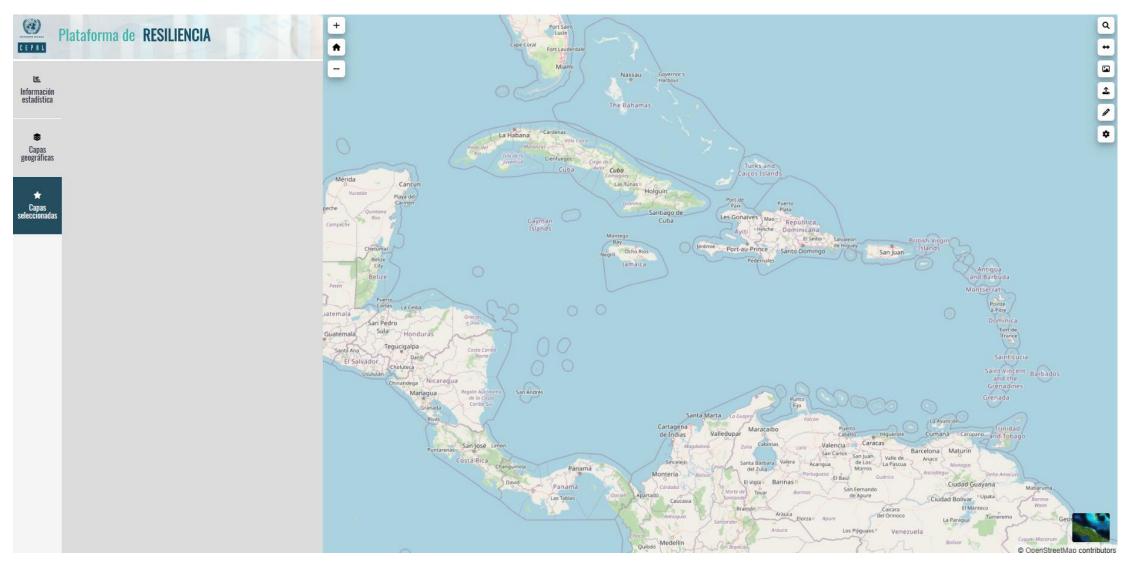
## **Content** 2/3 Geospatial layers:





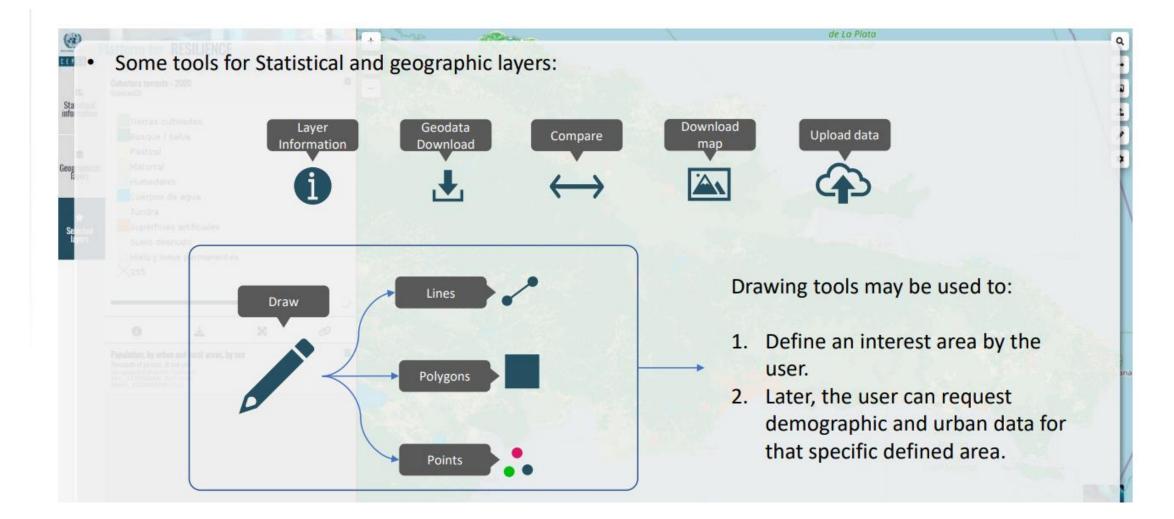
## Content 3/3

#### **Selected layers:**



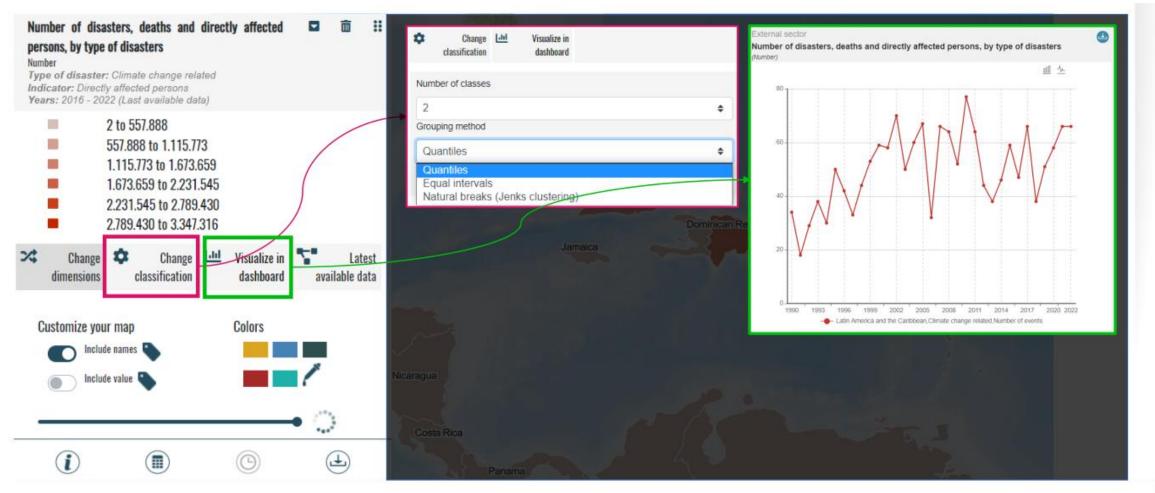


## **Tools** 1/5





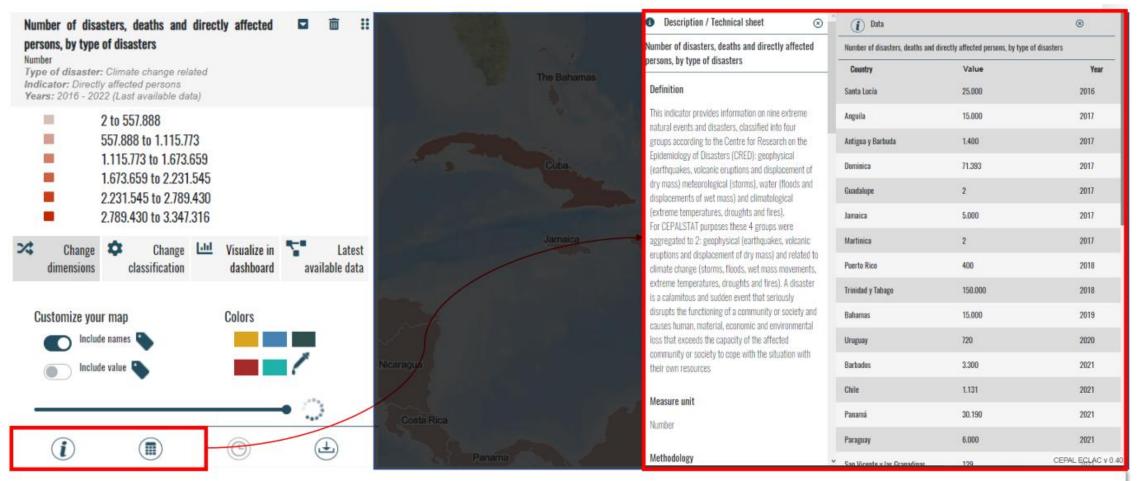
## Tools 2/5. Customization



#### Tools to re-classificate and customize the visualization of data.



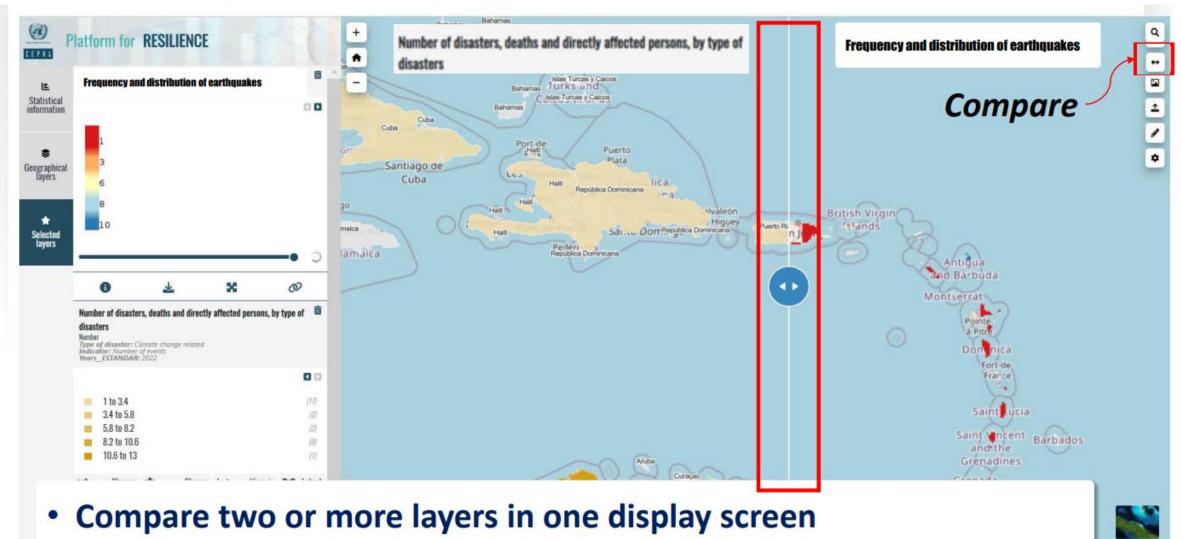
### Tools 3/5 . Metadata



#### Access to metadata and further information



## Tools 4/5 . Comparison





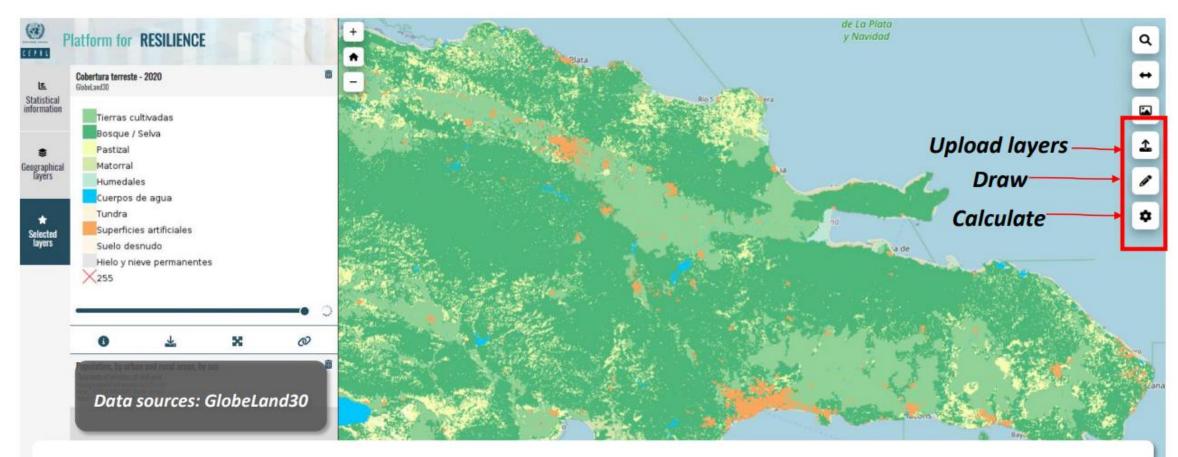
### Tools 5/5 . Downloading



#### Download a map image in different formats for easy sharing.



## **Geospatial calculations** 1/3

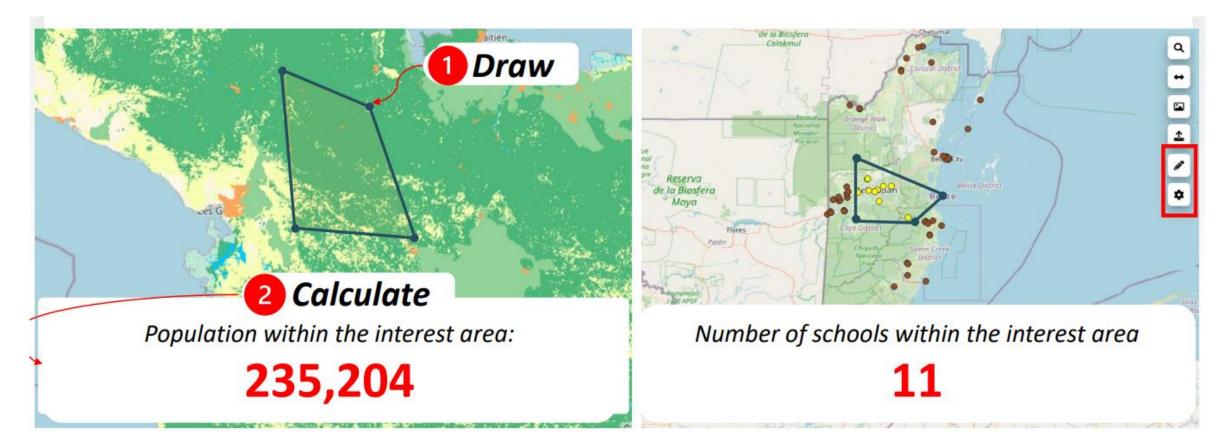


C DeenStreetMan contributo

Calculate demographical statistics with geospatial layers



#### Geospatial calculations 2/3 . Demographic and infrastructure analysis

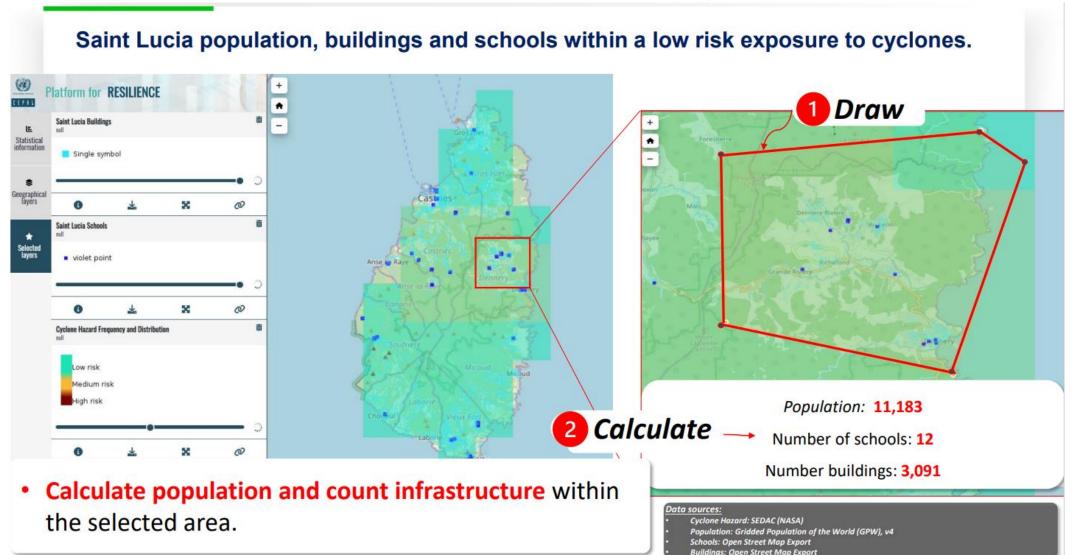


#### Data sources:

- Land cover: GlobeLand30
- Population: Gridded Population of the World (GPW), v4
- Schools: Open Street Map export



## Geospatial calculations 3/3. Population estimation





### **Lessons to learn**

- Identification of gaps in geospatial data
- Linking the national geospatial initiatives (SDI's)
- Collaborative agreements with national/international stakeholders
- Capacity building in order to add value to geospatial and statistical information
- Improving data and systems interoperability by adopting geospatial standards



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#### Thanks