



Presentation of the regional resilience database

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Definition



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The resilience platform should be 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.

Model

Events

- Climatological
- Geophysical
- Hydrological
- Meteorological
- Antropogenic
- Biological
- Chemical
- Technological
- Socials



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Context *



*Based on Global Statistical Geospatial Framework



Functionalities



References

Population distribution



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CEPAL Geo	Other sources
<u>SOCIETY</u> Built areas (FAO,1997)	
<u>POPULATION</u> Population centers	
	<u>POPGRID</u> Degree of urbanization 2015-2019 Count 2020 Human footprint 2019 Night lights changes 1992,2002,2013 SEDAC POPGRID Viewer (columbia.edu)

Geology and Soils



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CEPAL Geo	Other sources
<u>GEO-SCIENTIFIC INFORMATION</u>	
	<u>USGS Geological Map of the world</u> https://mrdata.usgs.gov/geology/world/map-us.html

Land cover and land use



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CEPAL Geo	Other sources
	Globeland 30 http://www.globallandcover.com/home_en.html
	Dynamic world https://dynamicworld.app/
	National sources

Transport networks



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CEPAL Geo	Other sources
<u>TRANSPORT</u> Airports (IIRSA) Roads Ports (IIRSA)	Open Street Map

Water



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CEPAL Geo	Other sources
<u>GEO-SCIENTIFIC INFORMATION</u>	
<u>CONTINENTAL WATERS</u> Basins (Levels 1,2 y 3) Water bodies	

Functional areas



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CEPAL Geo	Other sources
<u>BOUNDARIES</u> Administratives Departments Municipalities Coast line	
	MEGA

Buidings and settlements



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CEPAL Geo	Other sources
	Open Street Map
	GlobeLand30

Elevation and depth



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CEPAL Geo	Other sources
	DEM SRTM 10m https://www.usgs.gov/centers/eros/science/usgs-eros-archive-digital-elevation-shuttle-radar-topography-mission-srtm-1

Land parcels



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CEPAL Geo	Other sources
	Globeland30
	Dynamic world

Orthoimagery



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CEPAL Geo	Other sources
	Blackmarble Night time imagery

CEPAL Geo	Other sources
	<p>High Quality Global Data Management Framework for Climate (HQ-GDMFC)</p> <p>Temperature: NOAAGlobalTemp</p> <p>Temperature: HadCRUT4</p> <p>Temperature: GISTEMP</p> <p>Precipitation: GPCC</p> <p>Precipitation: CoCoRaHS</p> <p>Sea level: GLOSS</p> <p>Sea level: CCI-SeaLevel</p> <p>Sea level: C3S SeaLevel</p> <p>Climate indices: HadEX2</p> <p>Hydrology: GRDC</p> <p>Marine: WOD13</p> <p>Marine: ICOADS</p> <p>https://climatedata-catalogue.wmo.int/assessed-datasets</p>

CEPAL Geo	Other sources
<p><u>BIOTA</u> Coral reefs Deforestation (WWF,2020) Mangrooves</p>	<p>Allen Coral Atlas</p>

RISKS



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CEPAL Geo	Other sources
<u>SOCIO-NATURAL DISASTERS</u> Eventos de inundaciones	EMDAT
	NASA

EXAMPLES



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