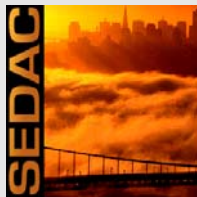




National Aeronautics and Space Administration



Socioeconomic Data and Applications Center



Columbia University in the City of New York



World Data Center for Human Interactions in the Environment



## Population, Land Use and Climate Estimates

<http://sedac.ciesin.columbia.edu/plue/nagd/place.html>

### Overview

As part of the National Aggregates of Geospatial Data Collection, the Population, Land Use and Climate Estimates (PLACE) data set simplifies comparisons across countries on such measures as the number of persons living within 100 kilometers of a coast, the percent of territory over 2,000 meters above sea level, and the number of persons living within different climatic zones. The PLACE data set includes more than 300 variables that characterize territorial extent and population size by:

- biome
- climate zone
- coastal proximity
- elevation; and
- population density

The data set provides area, percent area, population, and percent population for each of these themes by country. CIESIN's Socioeconomic Data and Applications Center (SEDAC) produced the PLACE data set in order to make SEDAC's Gridded Population of the World (GPW)

data set more accessible to analysts who require tabular data aggregated to the national level.

The data were derived in a geographic information system (GIS) by overlaying national-level administrative boundaries and GPW version 2 on spatial data sets for the above thematic areas. This produced variables for each thematic area in absolute magnitude and percentage terms.

### Data

The data are available in three formats: Excel®, SPSS®, and SAS®. A documentation file provides an overview, an explanation of data sources, a methodology description, and a list of variables in Portable Document Format (PDF).

### Access

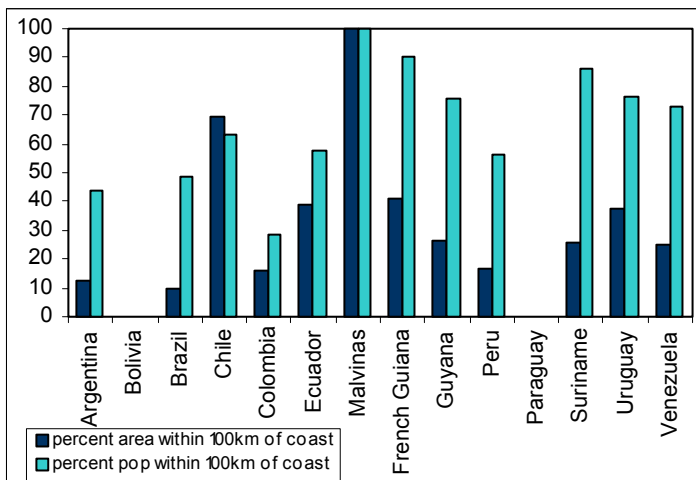
All files may be obtained via the data download icon on the PLACE website listed above or directly from the file transfer protocol (ftp) site: <ftp://ftp.ciesin.columbia.edu/pub/data/nagd/place>

# Population, Land Use and Climate Estimates

## Example Data

The chart and table below are simple excerpts of coastal proximity data from the PLACE data set. The data in these figures are for South America only.

**Percent Area and Percent Population Within 100km of the Coast, South American Countries**



**Associated Data Table**

Countries	% area within 100km of coast	% pop within 100km of coast
Argentina	12	44
Bolivia	0	0
Brazil	10	48
Chile	69	63
Colombia	16	29
Ecuador	39	58
Malvinas	100	100
F. Guiana	41	90
Guyana	27	76
Peru	17	56
Paraguay	0	0
Suriname	26	86
Uruguay	37	76
Venezuela	25	73

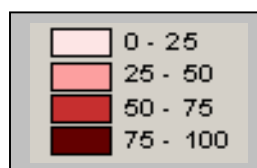
The data show how the percent of the population living within 100 km of the coast often differs from the percent of a country's total area that is within 100 km of the coast. In the majority of the South American countries listed above, for example, there is a tendency for the percentage of people living in close coastal range to be considerably higher than the percent land area within the same proximity.

Maps may be derived from the PLACE data, as shown below. For this example, administrative boundary data were downloaded from the Gridded Population of the World (v.2) and linked with the PLACE tabular data.

**% Pop within 100km of coast**



**% Area within 100km of coast**



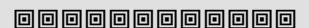
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