



TERRA POPULUS

A Global Population/Environment Data Network

Overview

Terra Populus (TerraPop) provides global-scale data on human population characteristics, land use, land cover, and climate change. The data are integrated across time and space, made available to researchers and the public, and preserved for future generations.

The TerraPop data access system allows users to easily obtain customized datasets incorporating information from a variety of population and environmental data sources into an integrated package tailored to meet the users' needs.

Timeline

Restricted access beta testing	Summer – Fall 2013
Public beta	Late 2013
TerraPop 1.0	Spring 2014

Partners

INSTITUTE ON THE ENVIRONMENT
UNIVERSITY OF MINNESOTA
Driven to DiscoverSM

Center for International Earth Science Information Network
EARTH INSTITUTE | COLUMBIA UNIVERSITY

UNIVERSITY OF MINNESOTA LIBRARIES

ICPSR INTER-UNIVERSITY CONSORTIUM FOR POLITICAL AND SOCIAL RESEARCH

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Data Integration

Location-Based Integration

TerraPop leverages geographic properties to integrate information from datasets in multiple data structures to generate customized, integrated datasets for users. Users can mix and match variables originating in raster, area-level, and/or microdata datasets, and obtain output in whichever of the three structures best meets their needs. The TerraPop system uses information about the location of each record in the original data to attach contextual information, generate spatial summaries, or assign values to points, depending on the transformation requested.

What is raster data?

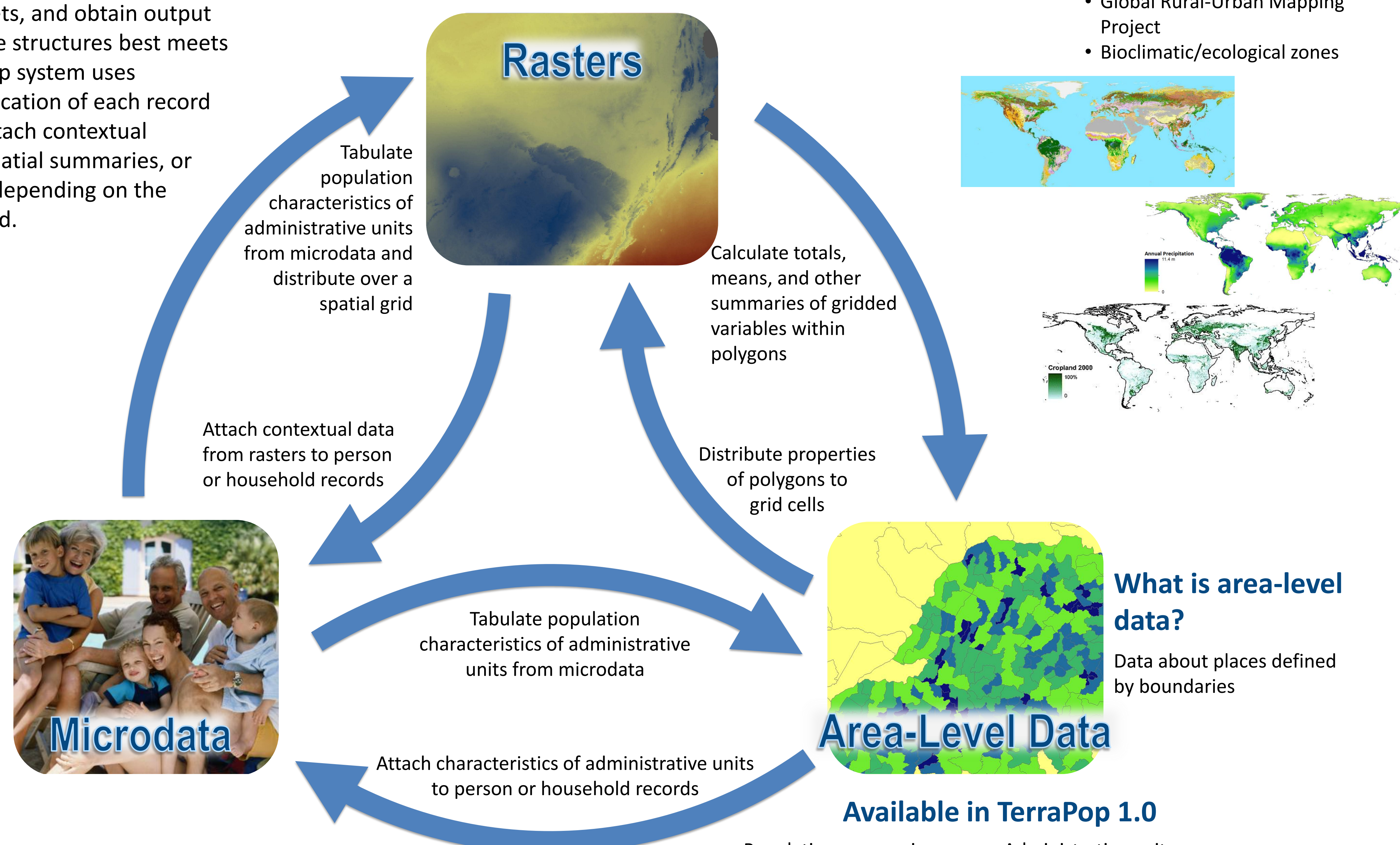
Spatial grids in which each grid cell contains the value of a variable at that location.

Available in TerraPop 1.0

- Global land cover (GLC 2000)
- Global temperature and precipitation (WorldClim)
- Global harvested area and yield for 175 crops

Future additions

- Additional land cover and climate datasets
- Elevation
- Vegetation characteristics
- Gridded Population of the World
- Global Rural-Urban Mapping Project
- Bioclimatic/ecological zones



What is microdata?

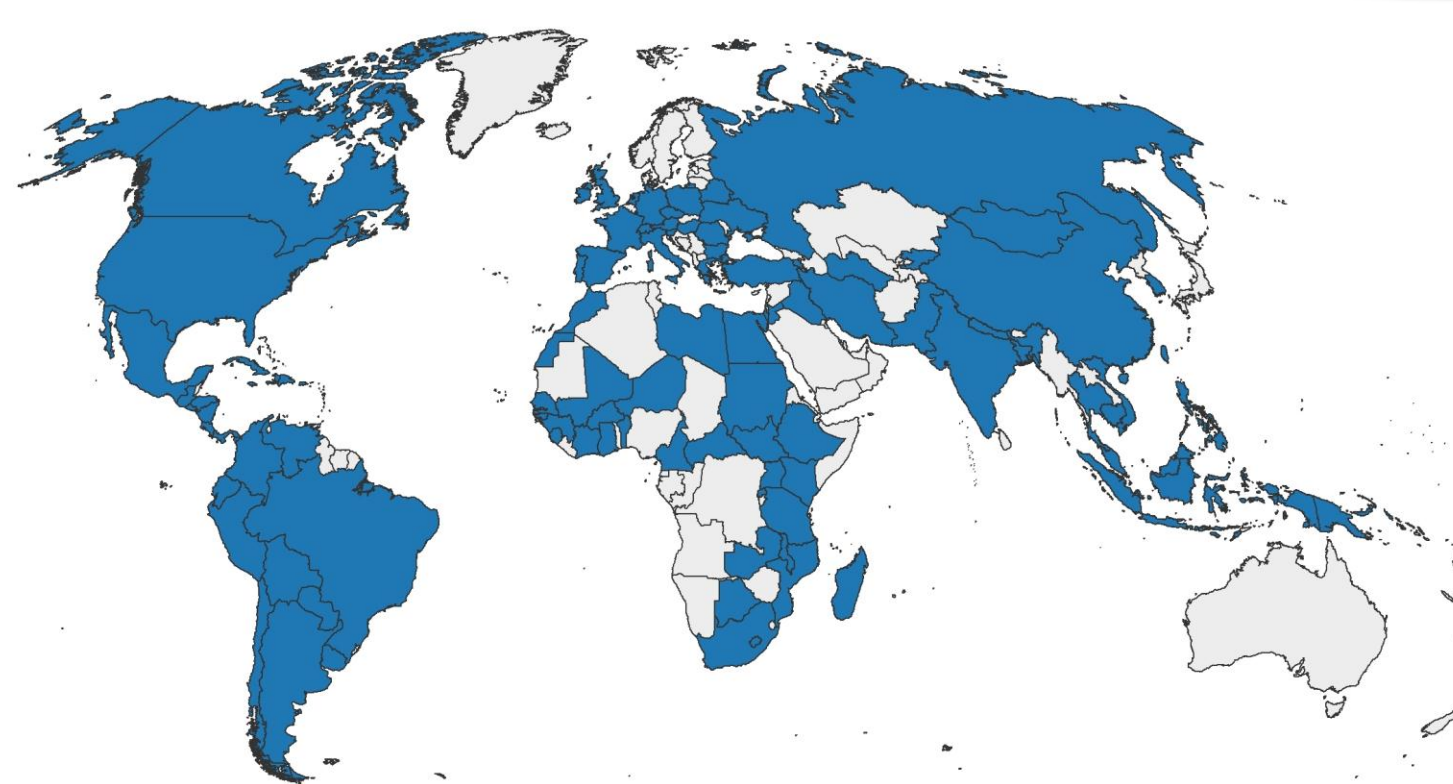
Census records for individuals and households

- Household relationships
- Fertility and mortality
- Migration
- Education and work

- Utilities and amenities
- Economics
- Dwelling characteristics

Available in TerraPop

200+ censuses from 70+ countries, with more censuses added each year



What is area-level data?

Data about places defined by boundaries

Available in TerraPop 1.0

- Population summaries
- Basic demographics
 - Education
 - Employment
 - Household utilities & amenities

Future additions

- Economics
- Health
- Legal and policy
- Agriculture

Administrative units

- First-level (e.g. states) in most countries
- Second-level (e.g. counties) in several countries
- Current, historical, and harmonized

- Additional boundaries
- More lower-level administrative units
 - Watersheds

Data Access System

Browse Variables and Metadata



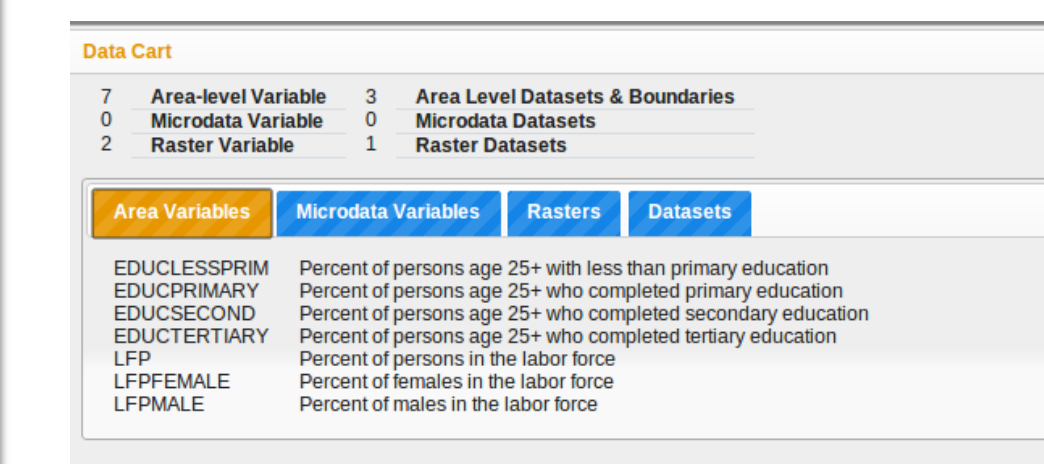
Browse variables in a variety of topics and view basic availability information

Easily access more detailed metadata about each variable

Select Variables and Datasets

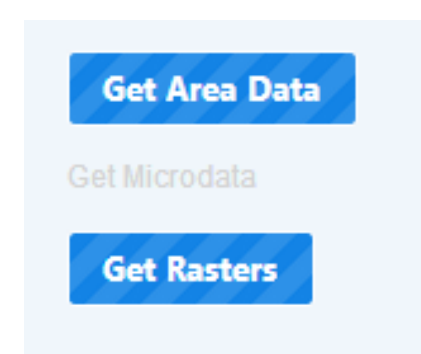


Many variables, especially from census data, appear in multiple datasets, so you must specify the datasets from which you want data.



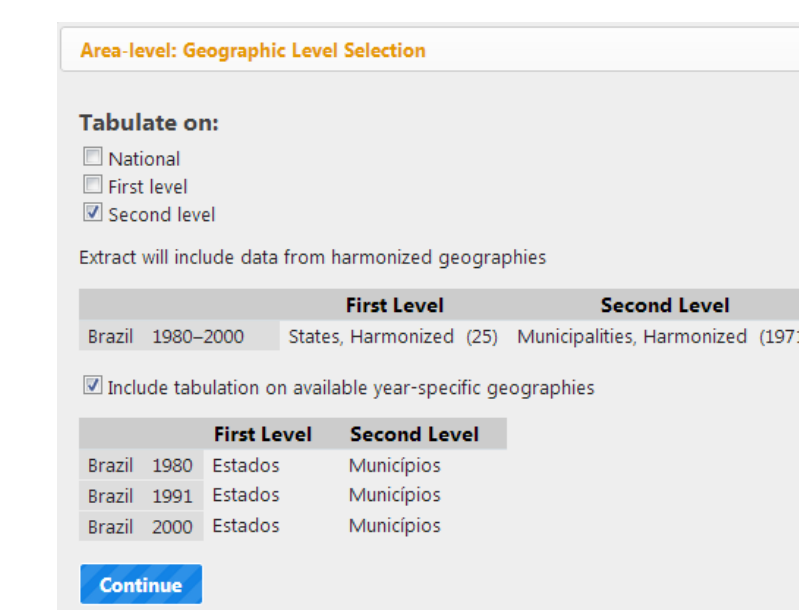
Selections appear in your data cart

Choose Output Structure



Depending on the variables in your cart, you can choose area-level, microdata, or raster output

Define Output Options



Depending on the type of output you choose, you may need to select additional options, such as geographic level or operations to summarize raster data to administrative units.

Get Data!

You will receive an e-mail when your customized dataset is ready to download.