

# Package ‘geoperu’

July 22, 2025

**Title** Download Spatial Datasets of Peru

**Version** 0.0.0.2

## Description

Provides convenient access to the official spatial datasets of Peru as 'sf' objects in R. This package includes a wide range of geospatial data covering various aspects of Peruvian geography, such as: administrative divisions (Source: INEI <<https://ide.inei.gob.pe/>>), protected natural areas (Source: GEO ANP - SER-NANP <<https://geo.sernanp.gob.pe/visorsernanp/>>). All datasets are harmonized in terms of attributes, projection, and topology, ensuring consistency and ease of use for spatial analysis and visualization.

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**Suggests** testthat (>= 3.0.0)

**Config/testthat/edition** 3

**Encoding** UTF-8

**RoxygenNote** 7.3.1

**BugReports** <https://github.com/PaulESantos/geoperu/issues>

**Depends** R (>= 3.6.0)

**LazyDataCompression** xz

**LazyData** true

**URL** <https://github.com/PaulESantos/geoperu>,  
<https://paulesantos.github.io/geoperu/>

**Imports** curl, data.table, httr, methods, sf

**NeedsCompilation** no

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**Repository** CRAN

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get_anp_peru	<i>Download Spatial Data of Protected Natural Areas (ANP) in Peru</i>
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## Description

Downloads spatial data of protected natural areas in Peru declared by SERNAP (National Service of Natural Protected Areas). Data were obtained from **GEO ANP** as the official source. The data are in the "WGRS84" reference system and CRS(4326).

## Usage

```
get_anp_peru(anp = NULL, showProgress = TRUE)
```

## Arguments

anp	A character or a vector with the name(s) of the protected natural areas in Peru.
showProgress	Logical TRUE or FALSE to display a progress bar during download.

## Value

An "sf" "data.frame" object containing the spatial data of Peru's protected natural areas.

## Examples

```
# Read specific ANP
manu <- get_anp_peru(anp = "Manu")

pampa_galeras <- get_anp_peru(anp = "Pampa Galeras")

# Read more than one ANP
anps <- get_anp_peru(anp = c("Manu", "Yanachaga", "Calipuy"))
```

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get\_geo\_peru                      *Download spatial data of Peru*

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### Description

Downloads spatial data of Peru using Geodetic reference system "WGRS84" and CRS(4326).

### Usage

```
get_geo_peru(  
  geography = "all",  
  level = "all",  
  simplified = TRUE,  
  showProgress = TRUE  
)
```

### Arguments

geography	A character or a vector with the name of geographical region. An exception is "all" to request all Peru data.
level	A character: "all" for national level data, "dep" for department level data, and "prov" for provincial level data.
simplified	A logical TRUE or FALSE, to select data with all districts or a polygon simplified to a higher level.
showProgress	Logical TRUE or FALSE to display a progress bar during download.

### Value

An "sf" "data.frame" object containing the spatial data of Peru.

### Examples

```
# Read specific province  
anta <- get_geo_peru(geography = "ANTA",  
                    level = "prov",  
                    simplified = TRUE)  
  
# Read more than one province  
df <- get_geo_peru(geography = c("CALCA"),  
                 level = "prov",  
                 simplified = FALSE)  
  
# Read department level data  
cusco <- get_geo_peru(geography = "cusco",  
                    level = "dep",  
                    simplified = TRUE)
```

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peru

*Distritos Peru*

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**Description**

Información geográfica vectorial de los 1722 distritos del PERU y su geometría.

**Usage**

peru

**Format**

A SpatialPolygonsDataFrame

**Source**

<https://ide.inei.gob.pe/>

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