Package 'geoperu'

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Title Download Spatial Datasets of Peru

Version 0.0.1

Description Provides access to official spatial datasets of Peru as 'sf' objects in 'R'. Includes administrative boundaries from the National Institute of Statistics and Informatics (INEI) <https://ide.inei.gob.pe/> and protected natural areas from the National Service of Natural Areas Protected by the State (SERNANP) <https://www.gob.pe/institucion/sernanp/pages/21261-acceder-a-informacion-espacial-de-las-area-naturales-protegidas-visor-de-informacion-geogra Harmonizes attributes, coordinate reference systems, and topology to support consistent spatial analysis and visualization.

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Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Encoding UTF-8

RoxygenNote 8.0.0

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 httr, sf

NeedsCompilation no

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Repository CRAN

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`get_anp_peru` *Download Spatial Data of Protected Natural Areas (ANP) in Peru*

Description

Downloads spatial data of protected natural areas in Peru declared by SERNANP (National Service of Natural Areas Protected by the State). Data were obtained from the SERNANP Geographic Information Viewer as the official source. The data use WGS 84 (EPSG: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

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

}
```

get_geo_peru *Download spatial data of Peru*

Description

Downloads spatial data of Peru using the WGS 84 geodetic reference system (EPSG: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

```
if (interactive()) {
# Read specific province
anta <- get_geo_peru(geography = "ANTA",
                     level = "prov",
                     simplified = TRUE)

}
```

peru *Districts of Peru*

Description

An sf object containing district-level administrative boundaries of Peru in the WGS 84 coordinate reference system (EPSG:4326).

Usage

```
peru
```

Format

An sf object with 1,874 rows and four variables:

departamento Department name.

provincia Province name.

distrito District name.

geometry Polygon geometry.

Source

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

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