Package ‘divagis’

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Type Package
Title Provides tools for quality checks of georeferenced plant species accessions.
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Description Provides tools for quality checks of georeferenced plant species accessions.
License GPL (>= 2)
Depends rgdal, sp
LazyLoad yes
Repository CRAN
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NeedsCompilation no

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extract.val  Extract layer values by latlon

Description

This function is a convenience wrapper function to extract variable values from a database of geographical layers.
Usage

extract.val(latlon, layers)

Arguments

latlon
latlon is a matrix of two columns for latitude and longitude.
layers
layers is a list of complete layer names. The name is used for display; the value are used for reading the layers.

Details

See description. The function assumes so far that the layers are in a format readable by readGDAL; all layers must be standardized to the same reference grid and resolution.

Value

Returns a matrix of several columns containing the original lat/lon, the converted sequential id based on the grid, and the extracted values.

Author(s)

Reinhard Simon

References

none

Examples

# to be done

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latlon2idx

latlon2idx

Description

A sequential index number based on lat/lon and a reference grid.

Usage

latlon2idx(lat, lon, layer)

Arguments

lat
Latitude
lon
Longitude
layer
A reference layer.
**latlon2idx**

**Value**

Returns a an index number.

**Author(s)**

Reinhard Simon

**References**

none
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