

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	<i>Extract layer values by latlon</i>
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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
```

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.

Value

Returns a an index number.

Author(s)

Reinhard Simon

References

none

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*Topic **manip**

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