

Package ‘Rveg’

January 20, 2025

Title Digitization of Phytosociological Relevés

Version 0.1.6

Description Simple and fast tool for transforming phytosociological vegetation data into digital form for the following analysis.

Danihelka, Chrtek, and Kaplan (2012, ISSN:00327786).

Hennekens, and Schaminée (2001) <[doi:10.2307/3237010](https://doi.org/10.2307/3237010)>.

Tichý (2002) <[doi:10.1111/j.1654-1103.2002.tb02069.x](https://doi.org/10.1111/j.1654-1103.2002.tb02069.x)>.

Wickham, François, Henry, Müller (2022) <<https://CRAN.R-project.org/package=dplyr>>.

URL <https://plant-ecology-lab-czu.com/rveg/>

License GPL (>= 3)

Encoding UTF-8

RoxygenNote 7.3.1

Imports dplyr, utils

Suggests knitr, rmarkdown

VignetteBuilder knitr

NeedsCompilation no

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addReleve	<i>addReleve</i>
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Description

Digitizing and editing your releves - Rveg database

Usage

```
addReleve(
  DATABASE = "NEW",
  SAVE = "default",
  checklist = "default",
  extrahead = NULL,
  start = TRUE
)
```

Arguments

DATABASE	name of csv files for releve table and header - database
SAVE	name of exporting database
checklist	custom checklist
extrahead	extra rows in header
start	Boolean to start immediately digitizing first releve

Value

export two csv files, one for releve and one for header (Rveg database)

Examples

```
## NOT RUN
if (interactive()) {
  addReleve()
}
```

CreateChecklist	<i>CreateChecklist</i>
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Description

Create a custom checklist with species ShortNames

Usage

```
CreateChecklist(specieslist, export = "export")
```

Arguments

specieslist	path to list of species
export	name of your exported checklist file

Value

txt file used as checklist in Rveg functions

Examples

```
## NOT RUN
if (interactive()) {
  CreateChecklist(specieslist = paste0(path.package("Rveg"),
    "/extdata/SpeciesList"))
}
```

RvegCheck	<i>RvegCheck</i>
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Description

Checking your DATABASE for duplicity and allowing to export table with full species name (not Rveg editable anymore).

Usage

```
RvegCheck(
  DATABASE,
  fullnames = FALSE,
  export = "export",
  checklist = "default"
)
```

Arguments

DATABASE	name of csv files for releve table and header - database
fullnames	logical value if you want to add fullnames to the database
export	name of exporting database
checklist	checklist used to match shortnames with species name

Value

Export csv file releve table

Examples

```
## NOT RUN
if (interactive()) {
  RvegCheck(DATABASE = paste0(
    path.package("Rveg"),
    "/extdata/example_db"
  ))
}
```

RvegCombine

RvegCombine

Description

Merging species or layers in the database

Usage

```
RvegCombine(database, export = "export", checklist = "default")
```

Arguments

database	name of the loading database
export	name of the exported database
checklist	checklist to be used

Value

export two csv files, one for releve and one for header

Examples

```
## NOT RUN
if (interactive()) {
  RvegCombine(database = paste0(
    path.package("Rveg"),
    "/extdata/example_db"
  ))
}
```

RvegLoad

RvegLoad

Description

Reading your Rveg database

Usage

```
RvegLoad(DATABASE = "default", CustomScale = FALSE, checklist = "default")
```

Arguments

DATABASE	name of Rveg database
CustomScale	logical values if different than predefined scale was used during the database creation
checklist	used checklist

Value

read the database in one object

Examples

```
RvegLoad()
```

RvegMerge

RvegMerge

Description

Merge two Rveg databases

Usage

```
RvegMerge(x, y, save = "export_merge", head = TRUE)
```

Arguments

x	name of first database
y	name of second database
save	name of exported databes
head	logical value if want to merge header

Value

export two csv files, one for releve and one for header

Examples

```
## NOT RUN
if (interactive()) {
  RvegMerge(x = paste0(
    path.package("Rveg"),
    "/extdata/example_db"
  ), y = paste0(
    path.package("Rveg"),
    "/extdata/example_db"
  ))
  read.csv("export_mergeREL.csv", row.names = 1)
}
```

RvegToJuice

RvegToJuice

Description

Export Rveg database to Juice software compatible format

Usage

```
RvegToJuice(Data, checklist = "default", export = "export")
```

Arguments

Data	name of your Rveg database
checklist	path to your custom species checklist
export	name of your exported csv file

Value

csv file which is readable by Juice

Examples

```
## NOT RUN
if (interactive()) {
  RvegToJuice(Data = paste0(
    path.package("Rveg"),
    "/extdata/example_db"
  ))
}
```

RvegToTv

RvegToTv

Description

Export Turboveg csv compatible file

Usage

```
RvegToTv(database, export = "export", ver = 3, checklist = "default")
```

Arguments

database	path to Rveg database
export	name of your exported Tv file
ver	version of TURBOVEG
checklist	checklist to match Fullnames

Value

csv file

Examples

```
## NOT RUN
if (interactive()) {
  RvegToTv(database = paste0(
    path.package("Rveg"),
    "/extdata/example_db"
  ))
}
```

TvToRveg

TvToRveg

Description

Export Turboveg csv file to Rveg database compatible format

Usage

```
TvToRveg(tv, export = "export", checklist = "default")
```

Arguments

tv	path to Turboveg csv export
export	name of your exported database
checklist	checklist used to match shortnames with species name

Value

csv file

Examples

```
## NOT RUN
if (interactive()) {
  TvToRveg(tv = paste0(
    path.package("Rveg"),
    "/extdata/tvexport.csv"
  ))
}
```


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