Package ‘wallace’

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Title A Modular Platform for Reproducible Modeling of Species Niches and Distributions

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Depends R (>= 3.5.0), leaflet (>= 2.0.2), shiny (>= 1.1.0)

Imports dismo, dplyr, DT (>= 0.4), ecospat, ENMeval (>= 2.0.0),
jsonlite, leaflet.extras, magrittr, raster, RColorBrewer,
rgeos, rgdal, rmarkdown, shinyjs, sp, spocc (>= 0.8.0), spThin,
zip

Suggests knitr, rgbif (>= 3.3.0), testthat, XML

Description The ‘shiny’ application ‘wallace’ is a modular platform for reproducible modeling of species niches and distributions. ‘wallace’ guides users through a complete analysis, from the acquisition of species occurrence and environmental data to visualizing model predictions on an interactive map, thus bundling complex workflows into a single, streamlined interface.

License GPL-3

URL https://wallaceEcoMod.github.io

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NeedsCompilation no

Repository CRAN

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Description

Wallace is a shiny app that guides users through a complete species niche/distributional modeling analysis, from the acquisition of species occurrence and environmental data to visualizing model predictions on an interactive map (rleaflet), thus bundling complex workflows into a single, streamlined GUI interface. New functionality, in the form of modules, can be added to Wallace via contributions from the user community. In addition, executable session code (R Markdown format) can be downloaded to share with others or use as supplementary information for scientific papers and reports. The application is run via the function run_wallace.

Details

Please see the official website (https://wallaceecomod.github.io/) for more details. If you have questions about the application, please participate in the Google Group, or email the team directly: <wallaceecomod@gmail.com>.

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run_wallace

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References

run_wallace
Run Wallace Application

Description
This function runs the Wallace application in the user’s default web browser.

Usage

run_wallace(launch.browser = TRUE, port = getOption("shiny.port"))

Arguments

  launch.browser  Run Wallace in browser
  port            If launch.browser is FALSE, specify port to run Wallace

Note
Please see the official website (https://wallaceecomod.github.io/) for more details. If you have questions about the application, please participate in the Google Group, or email the team directly: <wallaceecomod@gmail.com>.

Author(s)
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Examples

if(interactive()){
  run_wallace()
}

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