

# Package ‘wallace’

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**Version** 1.1.0

**Date** 2021-05-19

**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), ENMeval (>= 2.0.0), jsonlite,  
leaflet.extras, magrittr, raster, RColorBrewer, rgeos, rgdal,  
rmarkdown, shinyjs, shinythemes, 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>

**Encoding** UTF-8

**RoxygenNote** 7.1.1

**NeedsCompilation** no

**Repository** CRAN

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wallace-package	Wallace: <i>A modular platform for reproducible ecological modeling</i>
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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>.

```
Package: wallace
Type: Package
Version: 1.1.0
Date: 2021-05-19
License: GNU 3.0
```

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**References**

Kass J.M., Pinilla-Buitrago G.E., Vilela B., Aeillo-Lammens M.E., Muscarella R., Merow C., and Anderson R.P. (2018) *Wallace*: A modular platform for reproducible ecological modeling. Version 1.0.6.1

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run_wallace	<i>Run Wallace Application</i>
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**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)**

Jamie M. Kass

**Examples**

```
if(interactive()){  
  run_wallace()  
}
```

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