

Wallace v1.1.0

Instructions for Installation

1. Installing R and RStudio for beginner R users

R is an open-source statistical software package that has the ability to do GIS operations among many other things. We use it in conjunction with RStudio, an easy way to manage R code.

To download R ([Windows](#), [Mac](#))

To download RStudio. Install RStudio Desktop (Free, Open Source) accepting the default pathways. <https://rstudio.com/products/rstudio/download/>

Now, you will need to tell RStudio where R lives. Open RStudio, go to Tools -> Global Options and change the R version by navigating to where you saved R. Unless you have a reason against it, you should use the 64-bit version of R (64 and 32 bit R are both downloaded).

If you are a Windows user, please also install RTools from here - (even if you have already installed R) <https://cran.r-project.org/bin/windows/Rtools/> (choose 64 bit unless you have a reason not to). And follow the steps under "Putting Rtools on the PATH".

2. Before loading Wallace, update R and R packages:

Beginner R users: After installing R and R studio, please update to the latest version of R (v4) and update all packages by going in R Studio to Tools - check for package updates. Proceed to the next step.

Advanced R users: Update `rgbif`, `paleobioDB`, `sf`, and proceed to the next step.

3. Install and load Wallace: Run the following lines in R

Run the following code for installing the stable versions of both Wallace and ENMeval

```
install.packages(c("wallace", "ENMeval"))
```

Run the following code for loading and running Wallace

```
library("wallace")  
run_wallace()
```

4. Report bugs

If you find a bug, or have a suggestion, let us know!

If you have a GitHub account, you can report issues [here](#).

If you have any trouble with installation, please register and send a message to the Google Group [<https://groups.google.com/g/wallaceEcoMod>] using the subject [Installation].

If you have another question or suggestion, you can also write to the [Wallace email](#).

Do you want to know more about Wallace?

Please visit our [website](#).

Are you interested in testing the development versions?

We are developing new versions including the option to work with multiple species and compute metrics relevant for conservation practitioners. You will learn more about them during the session. If you are an advanced user and you want to install them and help us with beta testing, please email the Google Group using the subject [beta-testing] and we will share installation instructions.