Download the archive with the required input shapefiles, ***shp2rgeoname.zip***, from ERACLIM Meteorological Database: [http://eraclim2.rd.ciencias.ulisboa.pt/#](http://eraclim2.rd.ciencias.ulisboa.pt/)

* There is a link at the bottom of the page: “***Files needed for QC country location Tool***”

The archive has 227 MB. Can’t upload on GitHub (allows files with the maximum of 25 MB).

Unzip ***shp2rgeoname.zip***, rename the folder and set it as the working directory in Rstudio.

Copy the **text file with the coordinates** into the working directory.

Copy the content of ***R\_functions*** directory to the working directory.

In RStudio

Write:

*Install.packages (c(“sp”, “rgdal”))*

*library(“sp”, “rgdal”)*

Then:

1. If the longitudes are in the range [0, 360], use *get\_lon180()* to transform it to [-180, +180], else go to step 2.

Open the script *get\_lon180.R*

Click *Source*

Type *get\_lon180()*

Then execute 2, 3, and 4, following that order, and stop when left no points without name.

1. Open the script *get\_country.R*

Click *Source*

Type *get\_country()*

1. Open the script 1\_*get\_marine.R*

Click *Source*

Type *get\_marine()*

1. Open the script 2\_*get\_country\_sea.R*

Click *Source*

Type *get\_country\_sea()*

1. At the end of the process, restore the inicial order of the records:

Open order\_data.R

Click *Source*

Type *order\_data()*

For more details, see the *.Rd* files with the documentation about the functions.