Download the archive with the required input shapefiles, ***shp2rgeoname.zip***, from ERACLIM Meteorological Database: 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.

2. Open the script *get_country.R*
   Click *Source*
   Type *get_country()*

3. Open the script 1_*get_marine.R*
   Click *Source*
   Type *get_marine()*

4. Open the script 2_*get_country_sea.R*
   Click *Source*
   Type *get_country_sea()*

5. 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.