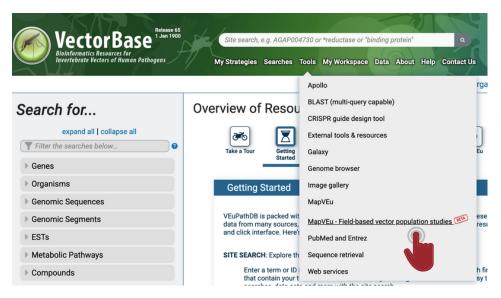
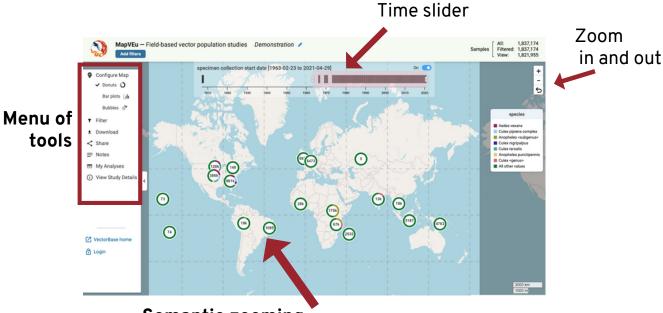


## The MapVEu EDA Platform Introduction

The **MapVEu** web application and exploratory data analysis (EDA) platform facilitates access to and exploration of geospatial data, and is currently available on the **VectorBase.org** platform as a beta version. To get started, click on the **Tools** drop-down menu and then click on **MapVeu**.



This opens a full-screen map with tools to facilitate exploratory data analysis.

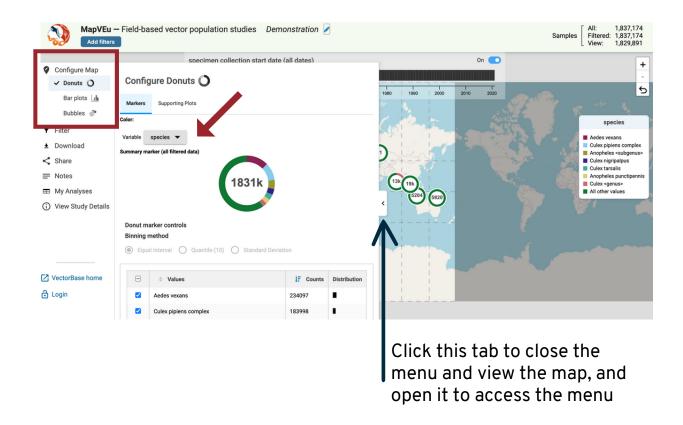


Semantic zooming

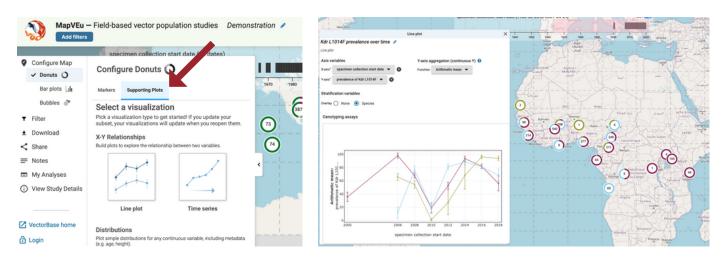
Markers will never overlap or cluster. Click on a marker to zoom in and split or disaggregate the markers out further.

## Configure Map: This tool allows you to

- Choose the marker you want to display on the map- Donuts, Bar plots, or Bubbles (red box)
- Choose the variable whose data you want to display using the drop-down menu (red arrow)
- Make supporting plots

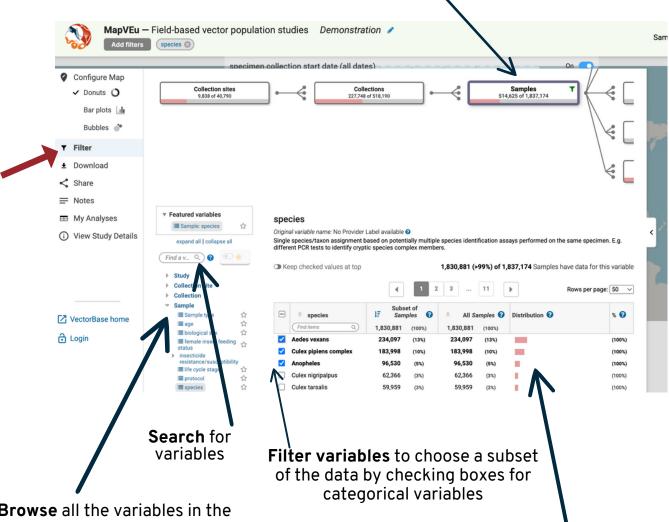


**Supporting plots** (red arrow below) greatly expand the analysis capabilities with visualizations of variable in the data set, including X-Y relationships (scatter plot, line plot, time series), distributions (histogram, box plot), and counts and proportions (bar plot, contingency table). Simply click on the plot icon and choose your parameters. Supporting plots receive data from the map and, upon zoom or scroll of the map, will update to reflect data from that area. An example of a line plot is shown below.



## Filter data (red arrow)

Filtering will be reflected in the data diagram at the top of the page. Notice that the pink bars reflect data in the subset

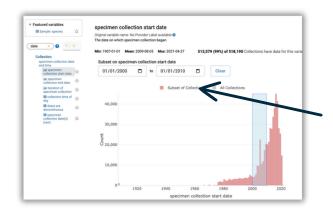


Browse all the variables in the data in the variable tree

- Variables are listed in categories in a hierarchical display
- Expand the categories to examine the list of variables

Click on any variable to see its univariate distribution

- Histogram for continuous variables (see below)
- Frequency table for categorical variables (as in this example)



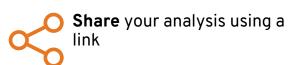
Filter variables to choose a subset of the data by specifying your subset for continuous data

## Other useful features in the MapVEu menu

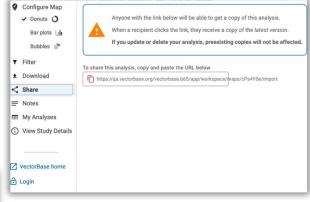


**Download** your subset of interest or the entire dataset as flat files to analyze on your own



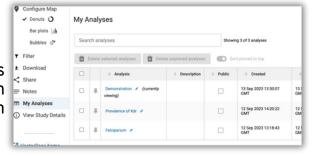


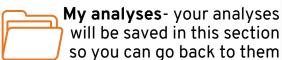




**Write notes**- these are saved along with your analysis









**Study details**- Read this for more information on the dataset



**Questions? Comments?** Write to us at help@VEuPathDB.org

