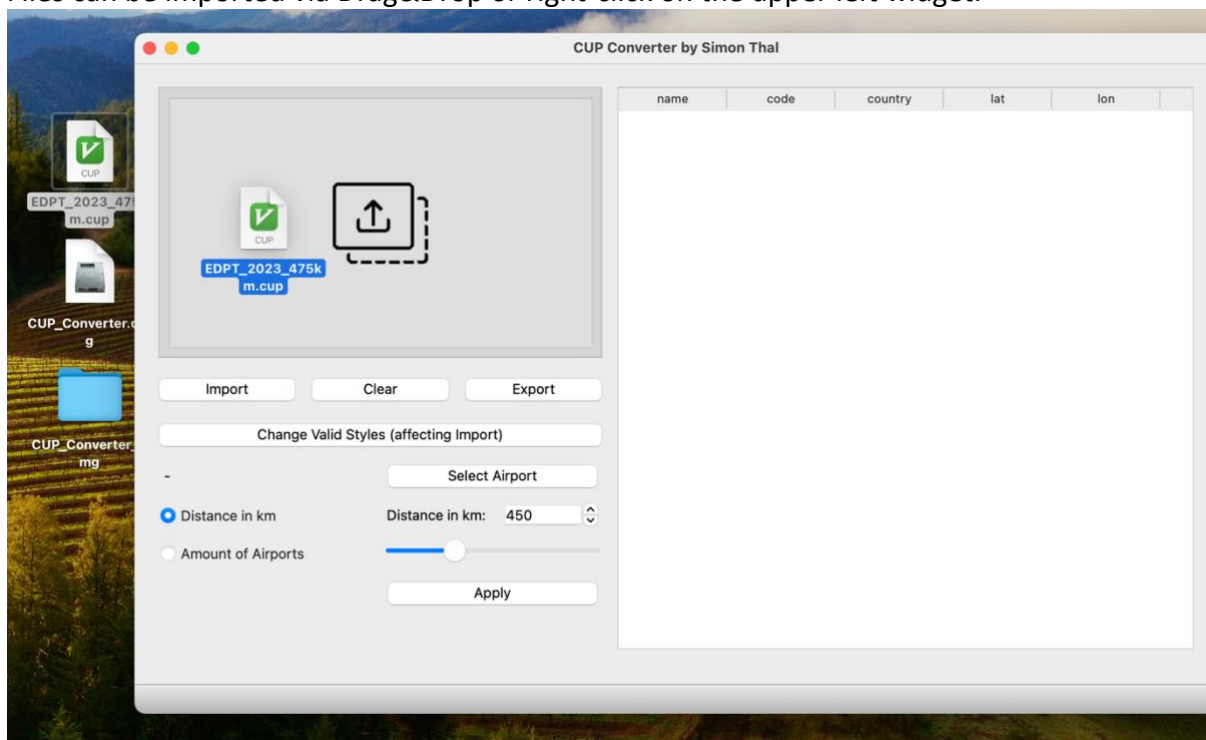


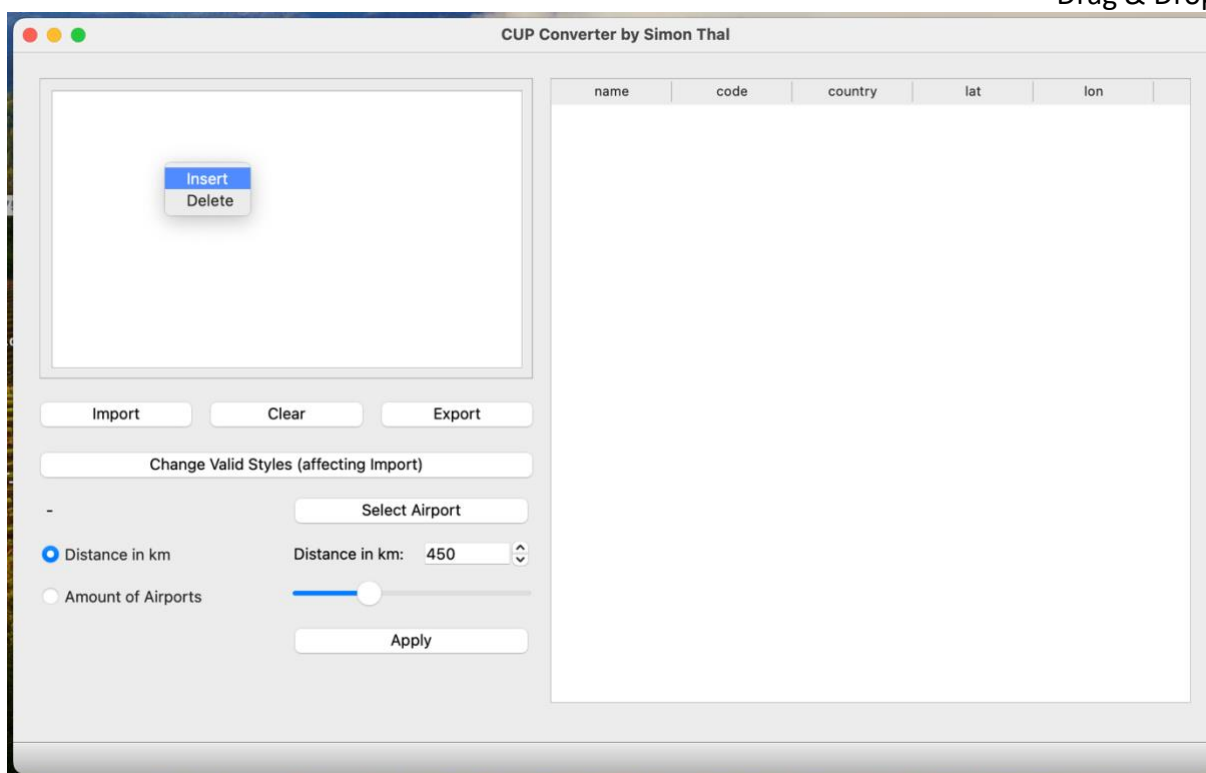
# CUP Converter – Usage

## 1. Insert File

Files can be imported via Drag&Drop or right-click on the upper left widget.



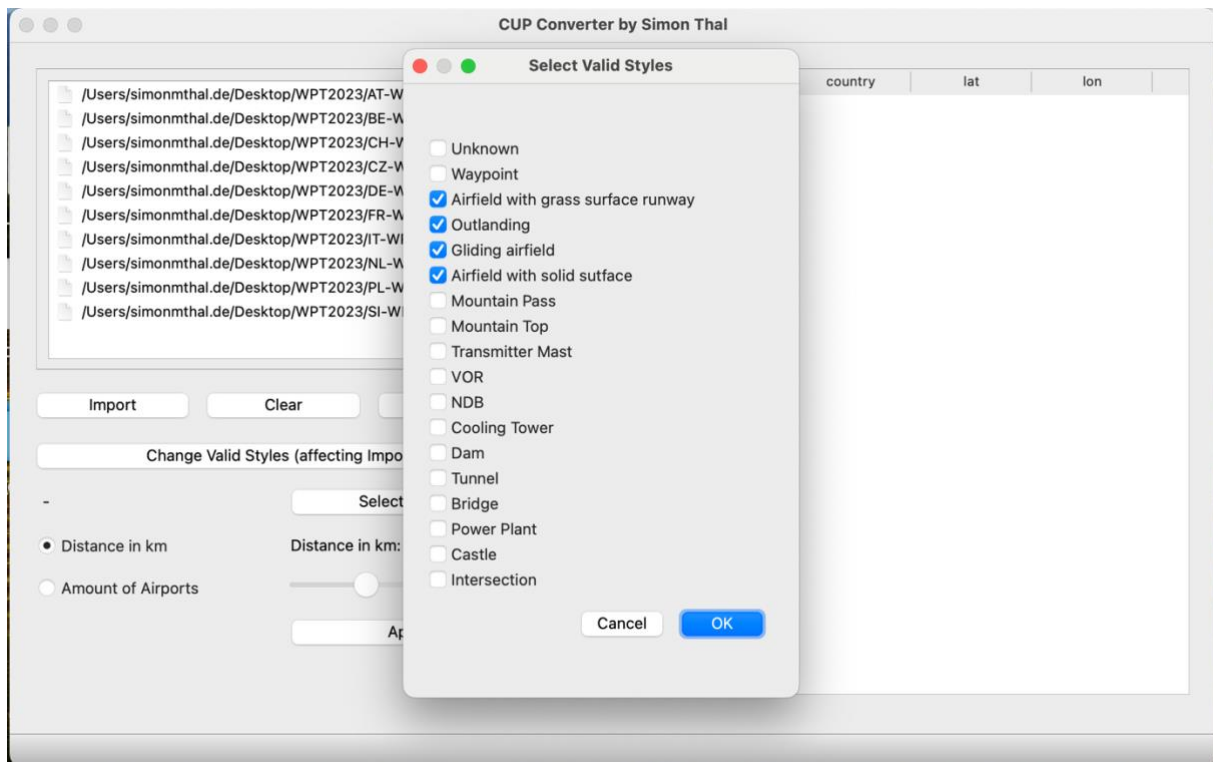
Drag & Drop



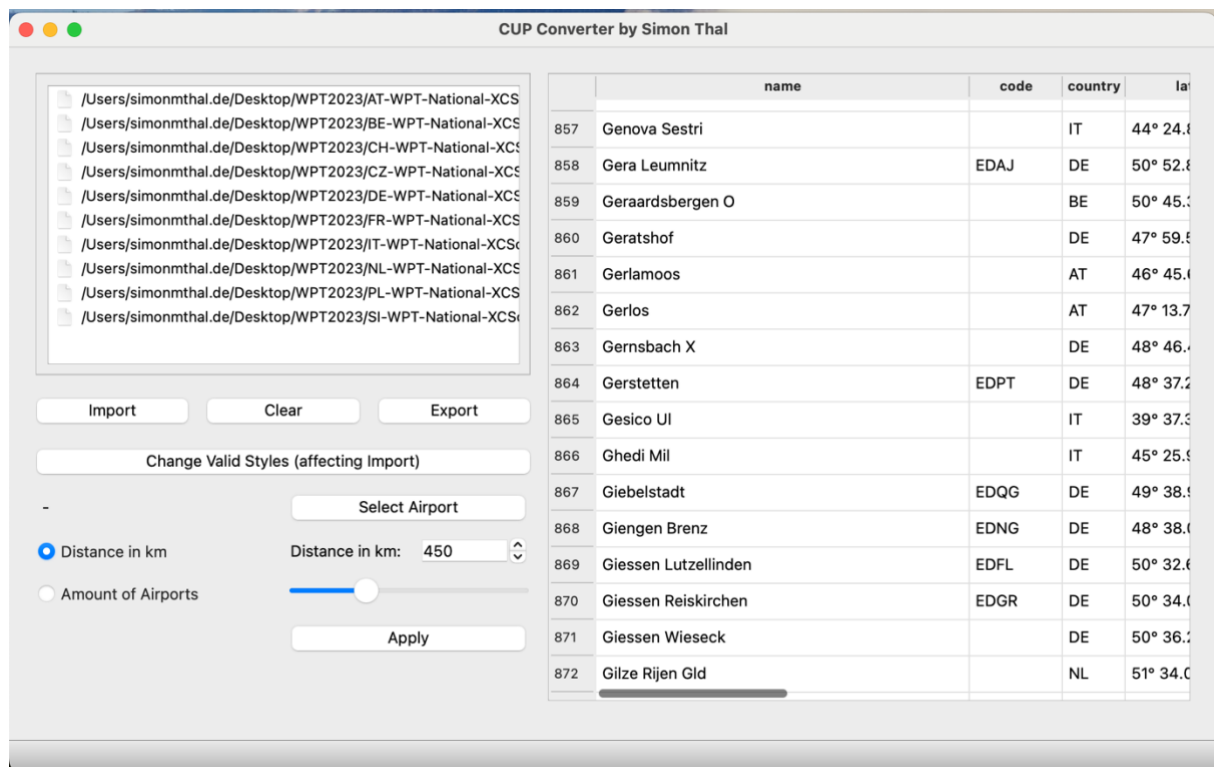
Insert File

## 2. Import Files

After all files are added, they can be imported to the internal databank via the “Import”-Button. With bigger amounts of data, the import can take a few seconds, because the airports are sorted by alphabet. Waypoints are filtered out by the styles-attribute of the cup-format (documentation about the cup-Format here: <http://download.naviter.com/docs/CUP-file-format-description.pdf>). Which styles count as valid can be changed via the menu, which is accessible via the “Change Valid Styles” – Button.



“Choose Valid Styles” - menu

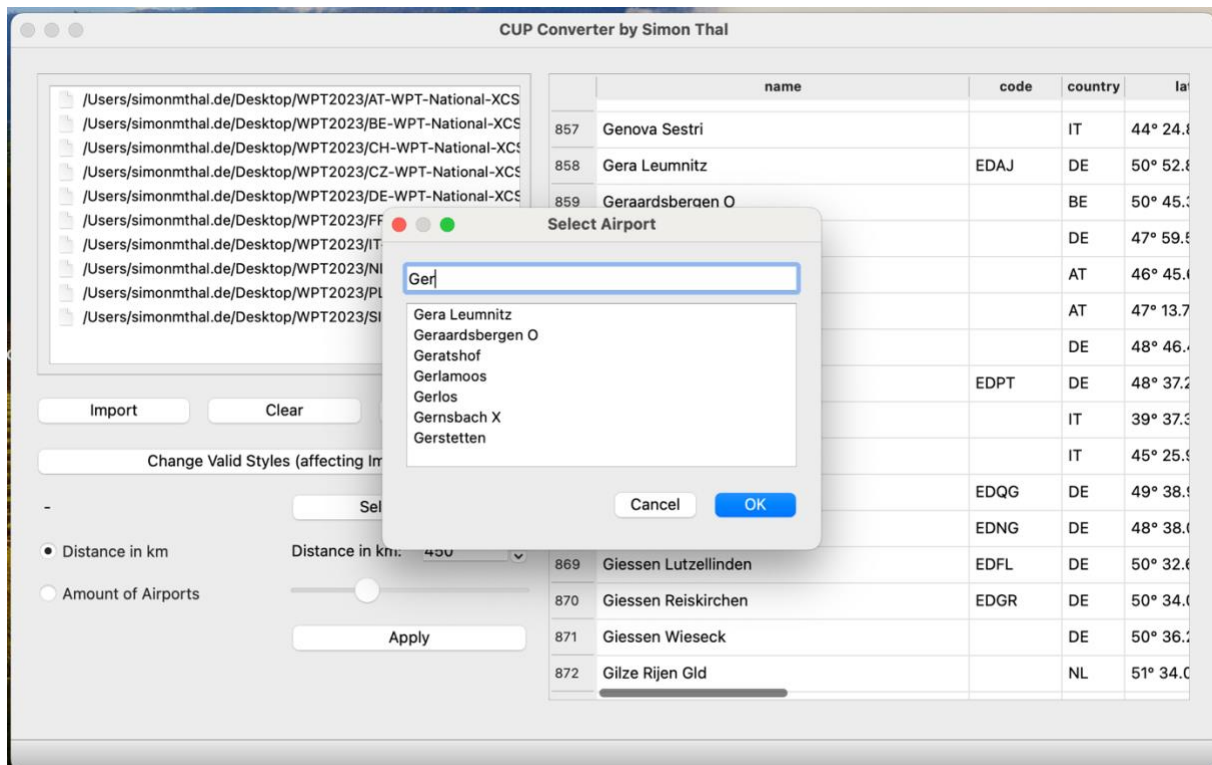


After the import

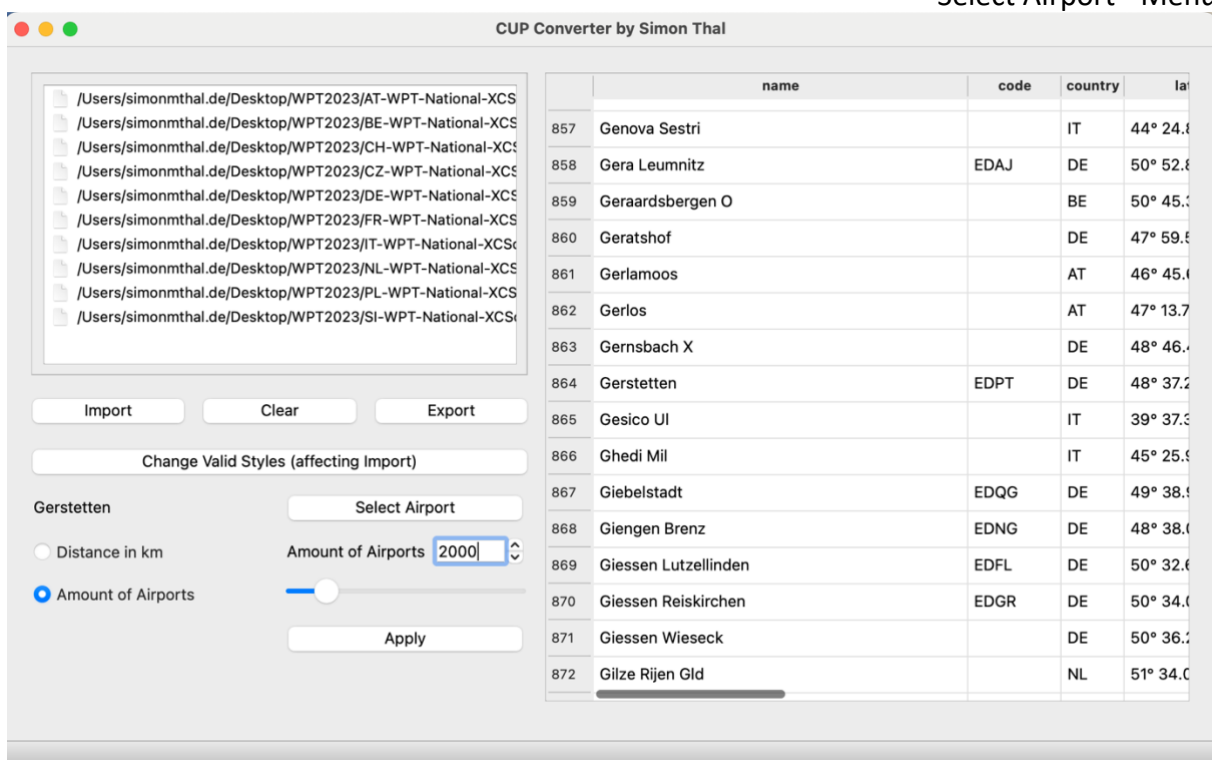
### 3. Select Center Airport

To reduce the data to an amount also older gliding computers can handle, you have the option to choose a center airport and only use the airports in a given range or limit the amount of airports. To select the airport open the “Select Airport”-Menu via the “Select Airport”-Button and select your airport. Afterwards you can choose to either use a given distance or a given amount and set these via the slider or the spinbox. When you are finished configuring the settings, you can apply them via the “Apply”-Button. This will only effect the internal databank and not the files.

**IMPORTANT:** For the calculation of the distance from one airport to another I assume that the earth is perfectly spherical. Because the earth obviously is not perfectly spherical the calculation can be slightly off for bigger distances. However in most cases that should not be a problem at all.



“Select Airport”-Menu

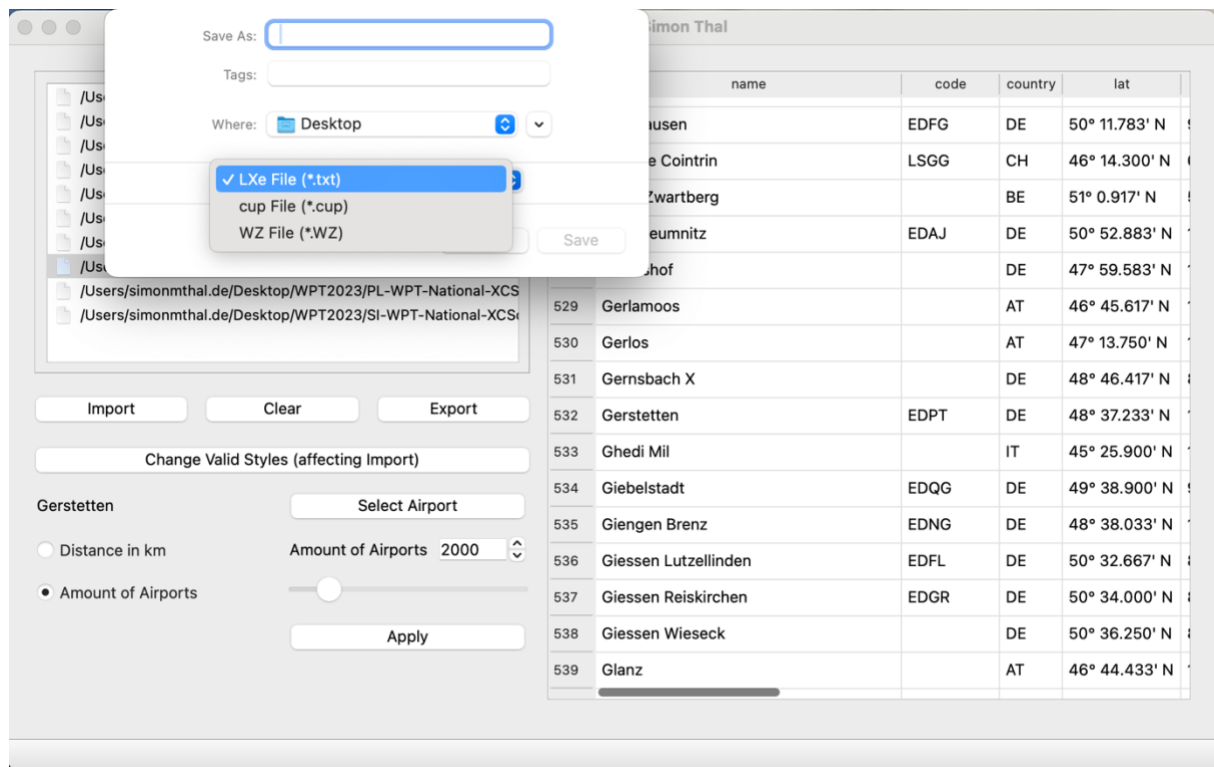


Selection of the distance / the amount of airports (here 2000 airports)

#### 4. Export

After you edited the data to your liking, you can export it in three formats:

1. .cup File
2. .txt File to be imported in LXe
3. .WZ File to be used on a Zander SR 940 and similar



Export-Menu

## 5. Additional Functions

### 1. Clear

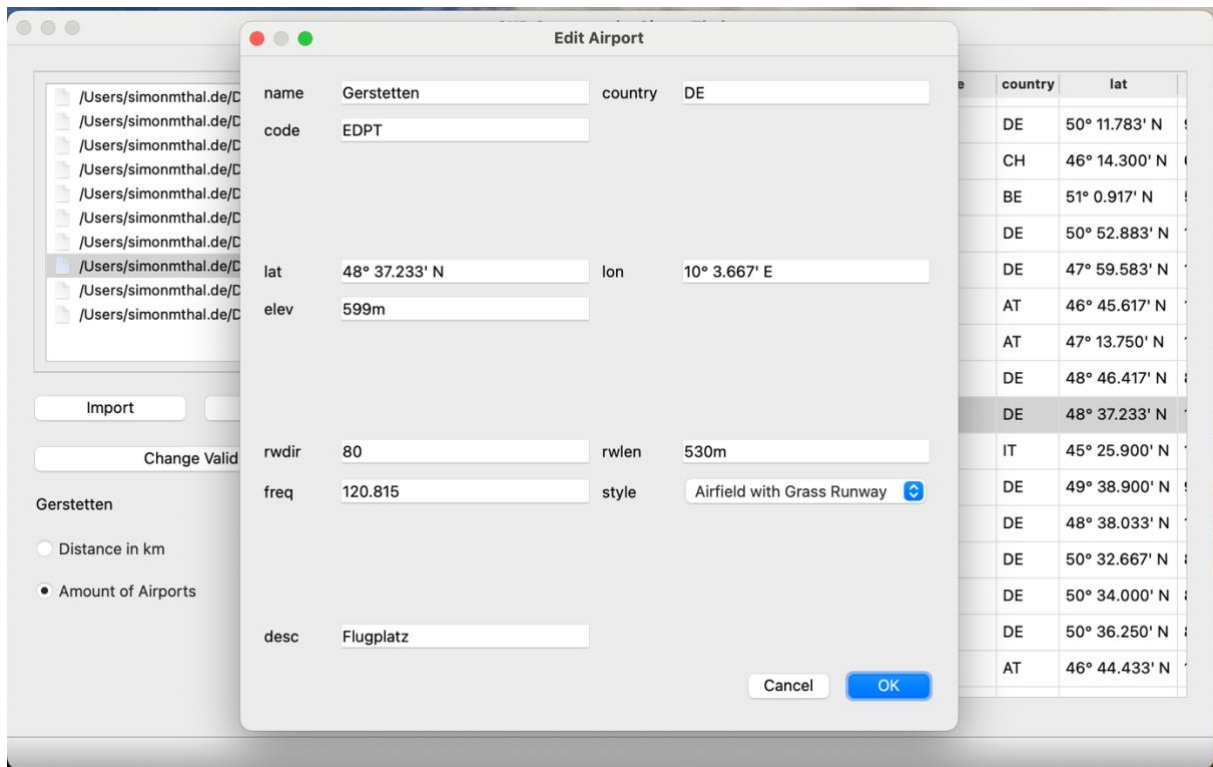
Clears the internal databank. The selected airport is not changed. If it isn't reimported or changed and the settings are applied this can lead to errors.

### 2. Edit, Add Airport

Via right-click on an airport it can be edited or a new one can be added.

#### **IMPORTANT:**

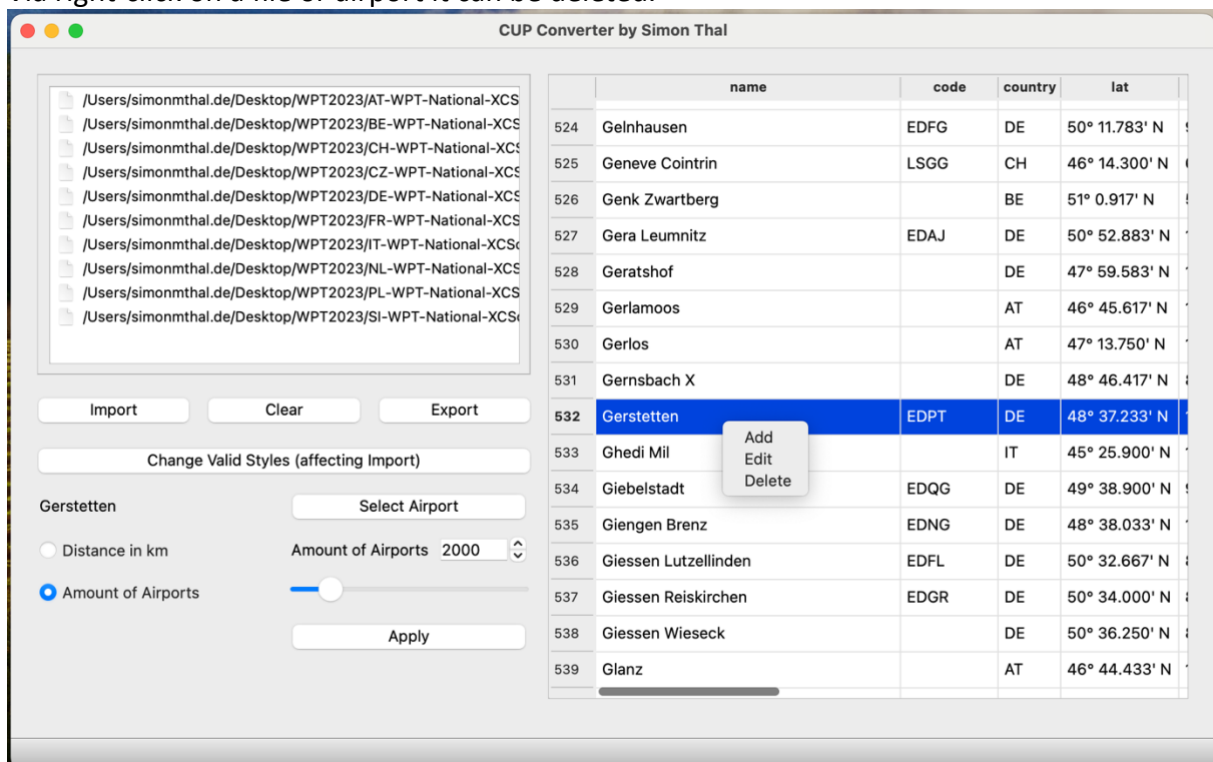
1. Inputs for latitude or longitude in a wrong format (the used one is: -degrees-° - minutes-' -hemisphere-) will be replaced by zero and you will be informed about it.
2. Height and elevation need an "m" at the end else the last digit will be cut off



“Edit Airport”-Menu

### 3. Delete Airport / File

Via right-click on a file or airport it can be deleted.



context-menu airports