

# GUI Annotator: Documentation

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November 22, 2019

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## 1 Introduction

This short document notes some essentials of the GUI annotator.

## 2 GUI Annotator

The code for the GUI annotator is in `/home/tkadmin/mihir/gui_annotator/`. The specific file concerning the annotator is inside this directory, and is called `VolumeAnnotator.py`. There are other `python` files inside this directory but they can be ignored for the purposes of this documentation.

## 3 The Virtual Environment

To use the GUI annotator, it has to be launched from the terminal. To open the terminal, one can either run the command `gnome-terminal` after pressing `Alt+F2`, or one can click on the terminal icon on the sidebar on the left of the screen.

Once a terminal window is open, change the directory to `/home/tkadmin/mihir/gui_annotator/` using the following command.

```
1 cd /home/tkadmin/mihir/gui_annotator/
```

The next step is to activate the virtual environment `cellseg`. The virtual environment has all the necessary libraries installed, so the code will not work without activating it. To activate the virtual environment, use the following command.

```
1 source activate cellseg
```

This activates the environment `cellseg`. Finally, you should be able to see a prompt like the following.

```
1 (cellseg)tkadmin@tkhpc32 /home/tkadmin/mihir/gui_annotator/$
```

## 4 Data

The data used are images from the FIB-SEM, which can be found in the directory `data1expansion/FIBSEM_datasync3`. We can copy whatever data are needed