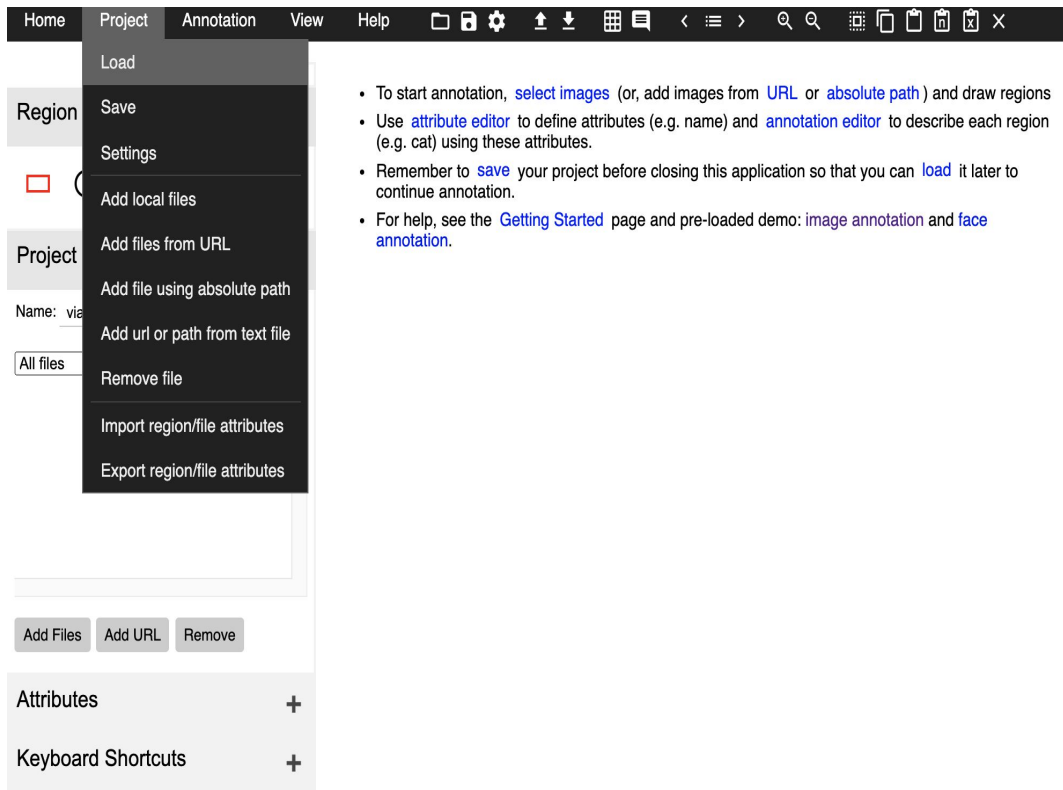# VIA Tool Instruction

Tutorial

- [Official Website](#)
- Get Started : A basic user guide is also available inside the VIA application and can be accessed using top menubar "Help -> Getting Started".
- [Video Instruction](#) (In video, it used version 2.02. Its keyboard shortcuts are little different with version 2.11(now using))

Steps of annotation on building type

1. Download [the github](the-github) repo , there are two dataset folder. 'train' and 'val' need to be annotated
2. Open the via/via.html
3. Click Project => Load => Select train.json/ val.json

Steps

3. Click add file, select all the image in the folder 'train', and your screen will be like this

Steps

4. For each image, click *spacebar* and you can choose the building type.

There are 4 classes, opening, masonry, m6, rcw. Default class for building is masonry.

Usually, label numbers of building are at the beginning

Here numbers are 1, 2, 3, 4

Steps

5.

Usually, label numbers of building are at the beginning

Here numbers are 1, 2, 3, 4

Different color shows different class (press ↓ to show the class color)

Steps

6.

After annotating all the images, click Project => Save. And you can get a .json file.

 All finish!

Keyboard shortcut

Here

Esc, spacebar are
used frequently

Keyboard Shortcuts   —

Available only on image focus

Keys	Action
← ↑ → ↓	Move selected region by 1 px (Shift to jump)
a	Select all regions
c	Copy selected regions
v	Paste selected regions
d	Delete selected regions
Ctrl + Wheel	Zoom in/out (mouse cursor is over image)
l	Toggle region label
b	Toggle region boundary
Enter	Finish drawing polyshape
Backspace	Delete last polyshape vertex

Always Available

Keys	Action
← →	Move to next/previous image
+ − =	Zoom in/out/reset
↑	Update region label
↓	Update region colour
Spacebar	Toggle annotation editor (Ctrl to toggle on image editor)
Home / h	Jump to first image
End / e	Jump to last image
PgUp / u	Jump several images
PgDown / d	Jump several images
Esc	Cancel ongoing task

Note

- If you find some mislabel building, please record their file name and tell me
- If you encounter any problem, please contact me(yaxiong.luo@epfl.ch , skype: luoyaxiong159@gmail.com). Thanks